

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050049.D
 Acq On : 25 Jul 2018 17:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:42 PM

Quant Time: Jul 26 07:03:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	742187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	980238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	532702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	502078	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	440615	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.09	98	1659925	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.40	95	566270	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	548687	51.45	ug/l	99
3) Chloromethane	2.06	50	530793	45.79	ug/l	99
4) Vinyl Chloride	2.18	62	572345	46.89	ug/l	97
5) Bromomethane	2.55	94	348255	51.40	ug/l	99
6) Chloroethane	2.69	64	333632	45.51	ug/l	100
7) Trichlorofluoromethane	3.00	101	761752	48.17	ug/l	99
8) Diethyl Ether	3.41	74	258949	49.12	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	454959	47.84	ug/l	99
10) Methyl Iodide	3.95	142	606960	49.73	ug/l	99
11) Tert butyl alcohol	4.80	59	189894	249.23	ug/l	100
12) 1,1-Dichloroethene	3.73	96	411290	48.08	ug/l	98
13) Acrolein	3.61	56	114083	186.36	ug/l	96
14) Allyl chloride	4.32	41	653557	49.27	ug/l	99
15) Acrylonitrile	4.99	53	829127	249.42	ug/l	99
16) Acetone	3.82	43	633335	259.82	ug/l	99
17) Carbon Disulfide	4.05	76	1217077	46.44	ug/l	99
18) Methyl Acetate	4.33	43	495092	52.26	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1195098	52.43	ug/l	99
20) Methylene Chloride	4.55	84	465550	50.72	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	443855	48.97	ug/l	97
22) Diisopropyl ether	5.95	45	1393433	52.98	ug/l	98
23) Vinyl Acetate	5.90	43	4863870	261.70	ug/l	100
24) 1,1-Dichloroethane	5.85	63	822333	47.82	ug/l	99
25) 2-Butanone	6.84	43	1000178	253.22	ug/l	99
26) 2,2-Dichloropropane	6.83	77	656992	50.22	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	494933	50.72	ug/l	100
28) Bromochloromethane	7.19	49	389491	49.65	ug/l	100
29) Tetrahydrofuran	7.22	42	660079	258.62	ug/l	100
30) Chloroform	7.37	83	846429	48.23	ug/l	100
31) Cyclohexane	7.65	56	701547	49.19	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	721866	48.09	ug/l	100
36) 1,1-Dichloropropene	7.79	75	636773	53.80	ug/l	100
37) Ethyl Acetate	6.93	43	430133	52.12	ug/l	99
38) Carbon Tetrachloride	7.77	117	651494	51.88	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	687099	56.43	ug/l	99
40) Benzene	8.04	78	1894506	52.60	ug/l	100
41) Methacrylonitrile	7.18	41	194242	45.46	ug/l	97
42) 1,2-Dichloroethane	8.13	62	621334	51.71	ug/l	100
43) Isopropyl Acetate	8.17	43	792391	50.98	ug/l	98
44) Trichloroethene	8.84	130	497612	51.42	ug/l	98
45) 1,2-Dichloropropane	9.12	63	496280	52.02	ug/l	97
46) Dibromomethane	9.21	93	309833	52.31	ug/l	99
47) Bromodichloromethane	9.40	83	646759	51.73	ug/l	98
48) Methyl methacrylate	9.20	41	391409	55.07	ug/l	98
49) 1,4-Dioxane	9.20	88	110001	1137.34	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2247467	277.05	ug/l	100
52) Toluene	10.16	92	1178858	55.45	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	654146	55.45	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	739365	54.84	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	442852	52.52	ug/l	99
56) Ethyl methacrylate	10.43	69	583002	50.99	ug/l	100
57) 1,3-Dichloropropane	10.71	76	737062	53.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1336832	250.47	ug/l	100
59) 2-Hexanone	10.75	43	1537506	257.77	ug/l	99
60) Dibromochloromethane	10.90	129	509963	54.62	ug/l	100
61) 1,2-Dibromoethane	11.01	107	442164	52.85	ug/l	98
64) Tetrachloroethene	10.63	164	482346	51.18	ug/l	99
65) Chlorobenzene	11.44	112	1265801	51.12	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	486394	51.13	ug/l	100
67) Ethyl Benzene	11.51	91	2214164	55.67	ug/l	100
68) m/p-Xylenes	11.62	106	1716967	114.13	ug/l	100
69) o-Xylene	11.95	106	818233	57.05	ug/l	99
70) Styrene	11.97	104	1334677	52.28	ug/l	99
71) Bromoform	12.13	173	362798	52.42	ug/l #	100
73) Isopropylbenzene	12.25	105	2186010	52.91	ug/l	100
74) N-amyl acetate	12.07	43	659060	52.20	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	582131	52.86	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	504984m	51.01	ug/l	
77) Bromobenzene	12.53	156	563592	49.22	ug/l	99
78) n-propylbenzene	12.59	91	2536581	54.93	ug/l	100
79) 2-Chlorotoluene	12.68	91	1497426	52.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1816949	55.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167151	53.55	ug/l	99
82) 4-Chlorotoluene	12.78	91	1528386	53.92	ug/l	100
83) tert-Butylbenzene	13.00	119	1549652	54.64	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1870537	57.11	ug/l	99
85) sec-Butylbenzene	13.17	105	2100843	55.44	ug/l	100
86) p-Isopropyltoluene	13.29	119	1851228	57.98	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	999161	51.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	979478	51.77	ug/l	100
89) n-Butylbenzene	13.62	91	1530276	58.28	ug/l	100
90) Hexachloroethane	13.88	117	337344	47.58	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	980154	50.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93616	50.87	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	510944	49.67	ug/l	98
94) Hexachlorobutadiene	15.01	225	313975	52.86	ug/l	99
95) Naphthalene	15.14	128	1133201	46.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	507219	50.58	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

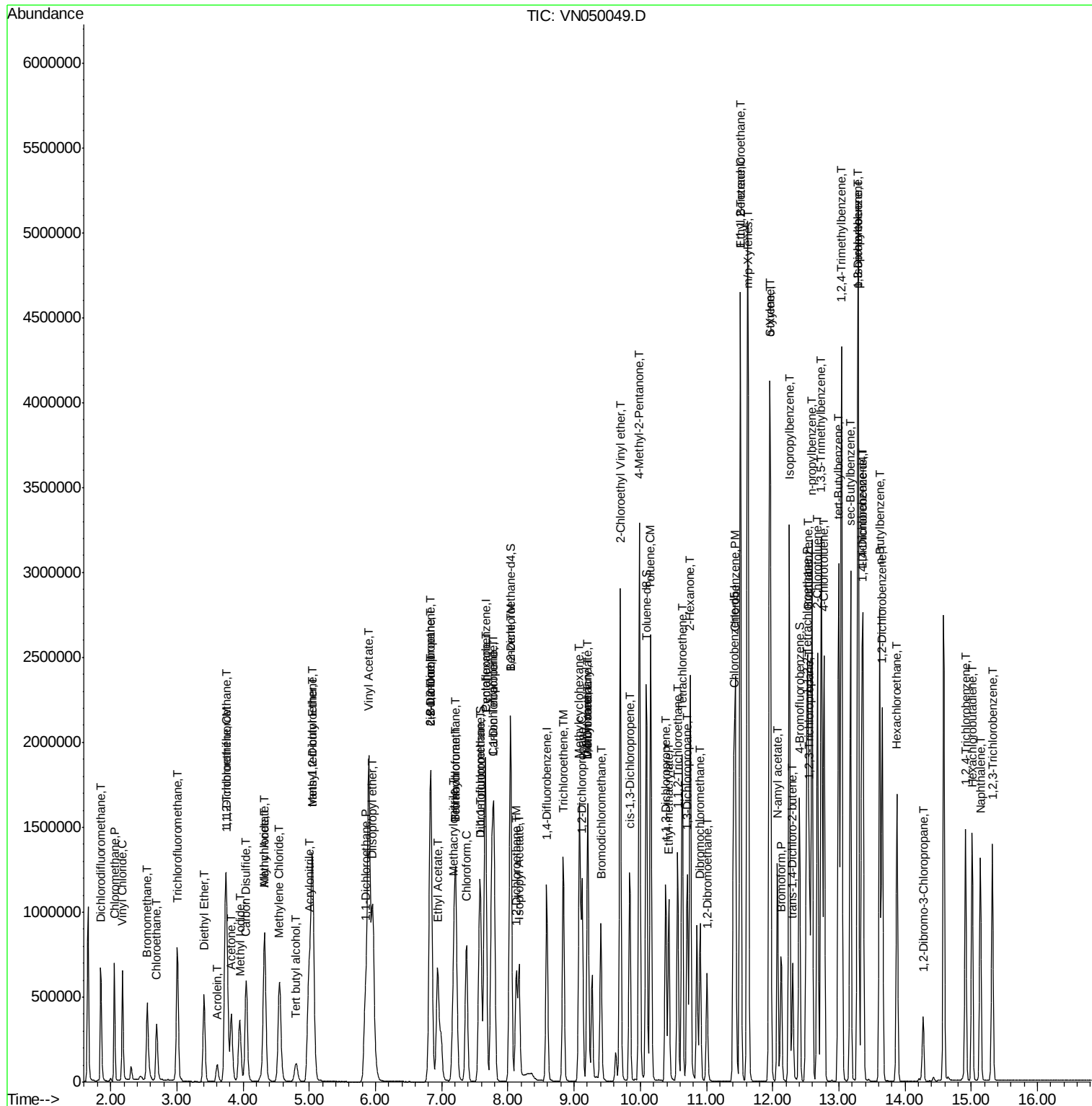
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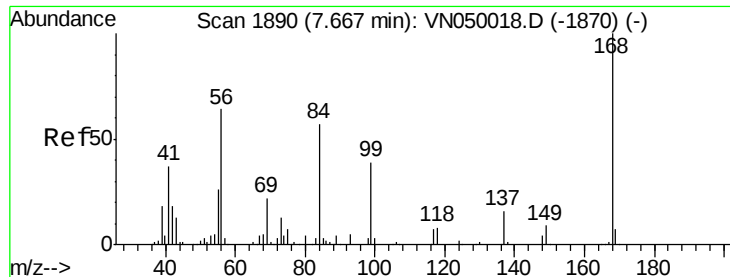
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 742187

Ion Ratio Lower Upper

168 100

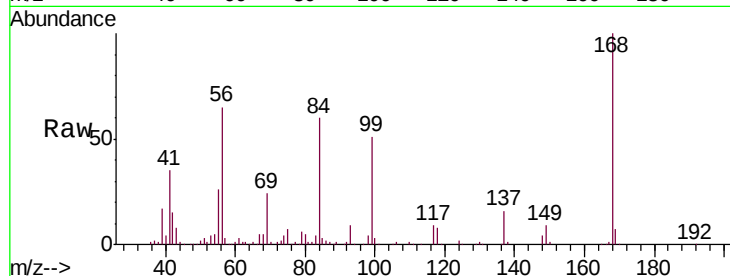
99 51.1 40.0 60.0

Manual Integrations

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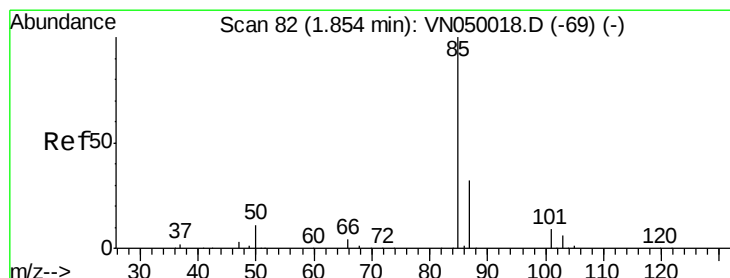
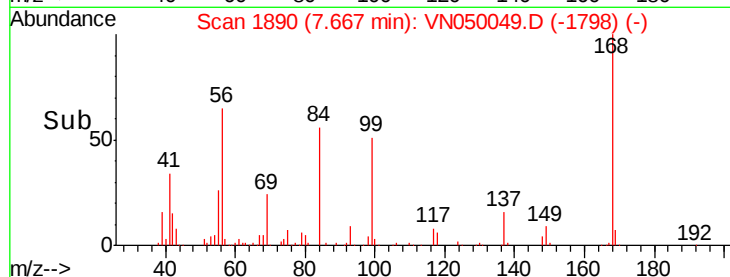
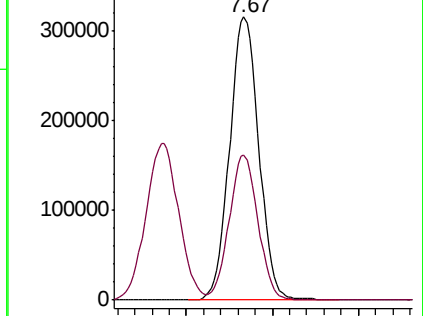
MMDadoda

7/26/2018 3:54:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 51.45 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050049.D

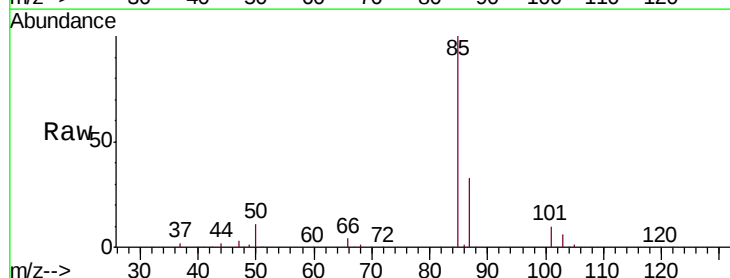
Acq: 25 Jul 2018 17:41

Tgt Ion: 85 Resp: 548687

Ion Ratio Lower Upper

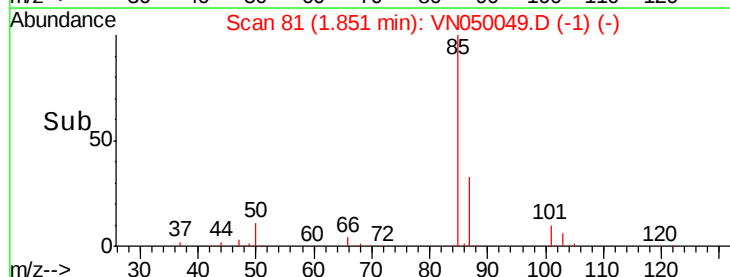
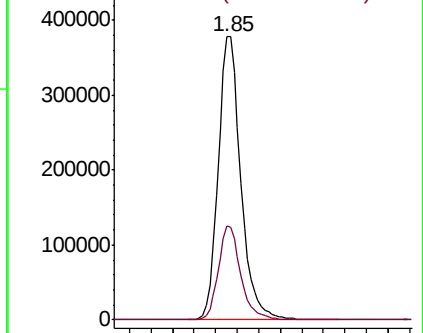
85 100

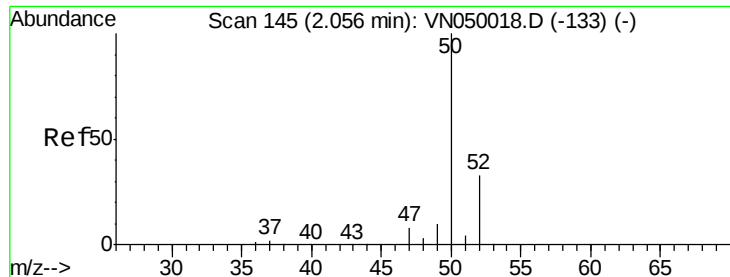
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 530793

Ion Ratio Lower Upper

50 100

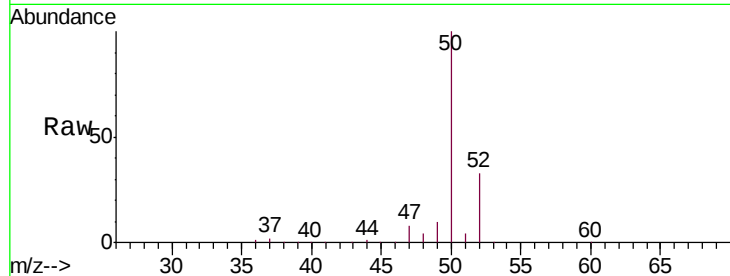
52 32.9 25.9 38.9

Manual Integrations

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7/26/2018 3:54:42 PM



Abundance Ion 49.90 (49.60 to 50.60): VN050018.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050018.D (-133) (-)

2.06

400000

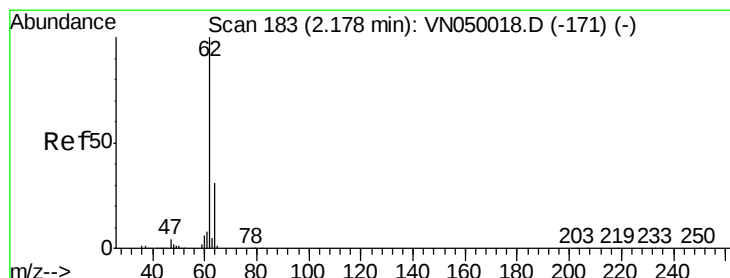
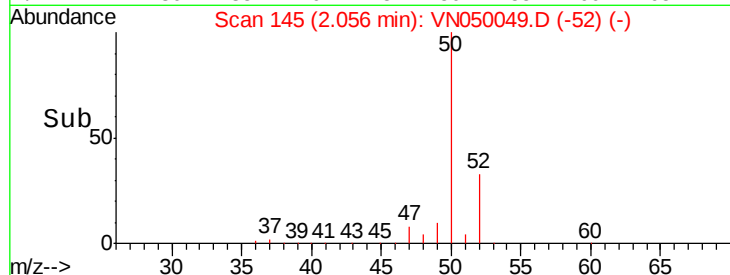
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200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 46.89 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050049.D

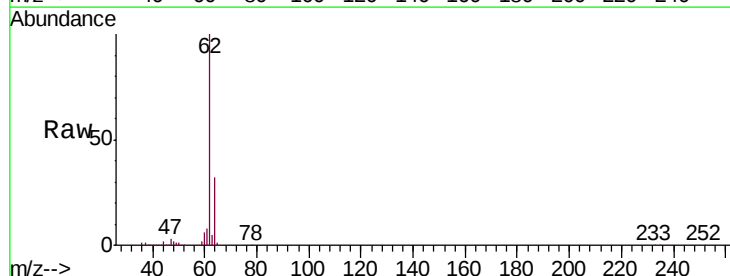
Acq: 25 Jul 2018 17:41

Tgt Ion: 62 Resp: 572345

Ion Ratio Lower Upper

62 100

64 32.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN050018.D (-171) (-)

Ion 63.90 (63.60 to 64.60): VN050018.D (-171) (-)

2.18

400000

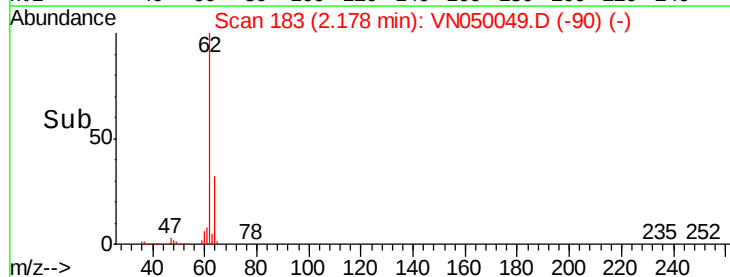
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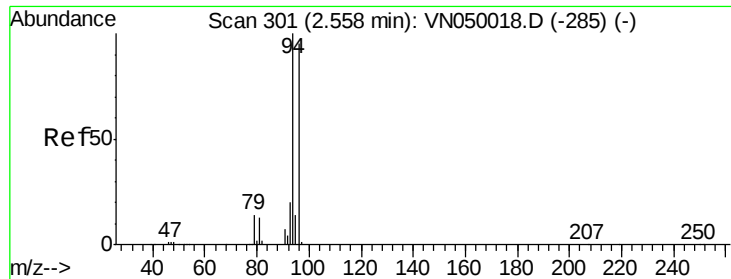
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100000

0

Time-->





#5

Bromomethane

Concen: 51.40 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 348255

Ion Ratio Lower Upper

94 100

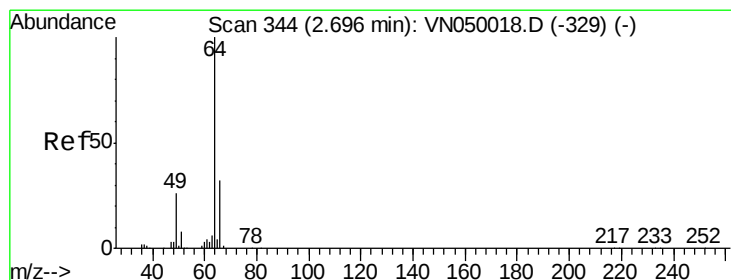
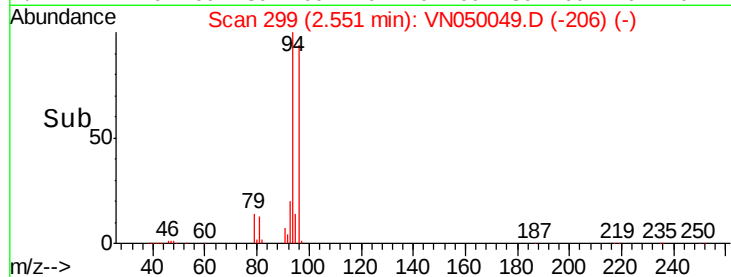
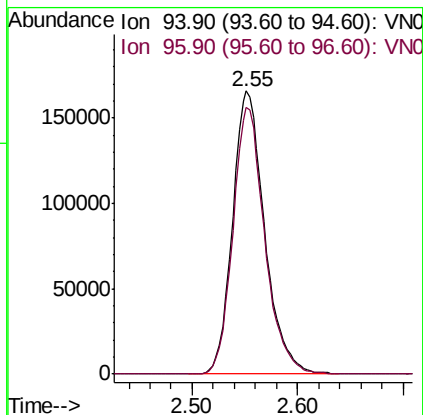
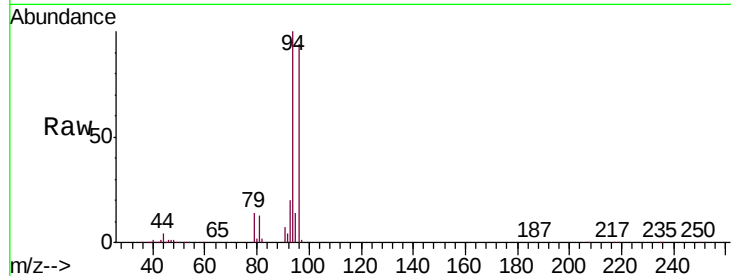
96 94.4 74.6 112.0

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7/26/2018 3:54:42 PM



#6

Chloroethane

Concen: 45.51 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050049.D

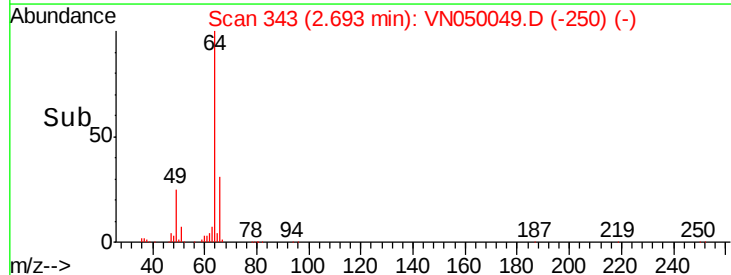
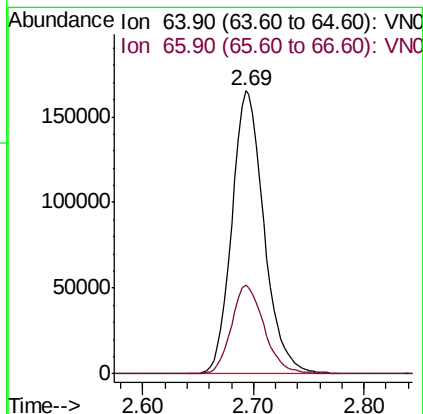
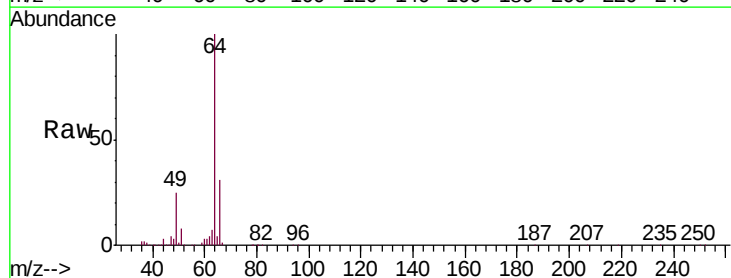
Acq: 25 Jul 2018 17:41

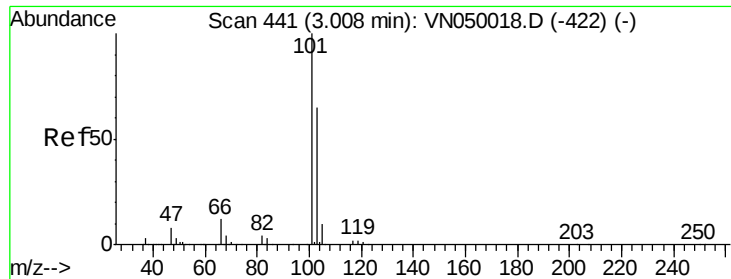
Tgt Ion: 64 Resp: 333632

Ion Ratio Lower Upper

64 100

66 31.3 25.3 37.9





#7

Trichlorofluoromethane

Concen: 48.17 ug/l

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 761752

Ion Ratio Lower Upper

101 100

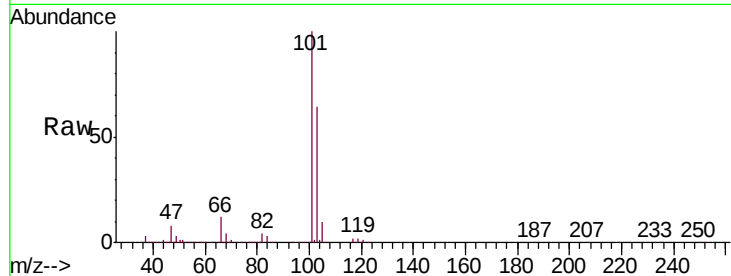
103 64.0 51.7 77.5

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.00

400000

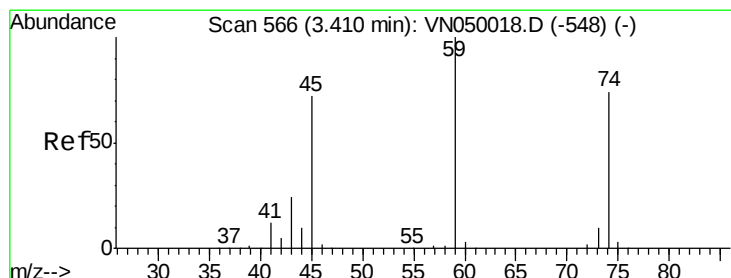
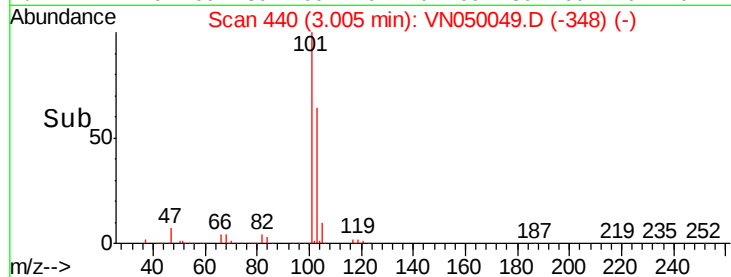
300000

200000

100000

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Time-->



#8

Diethyl Ether

Concen: 49.12 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050049.D

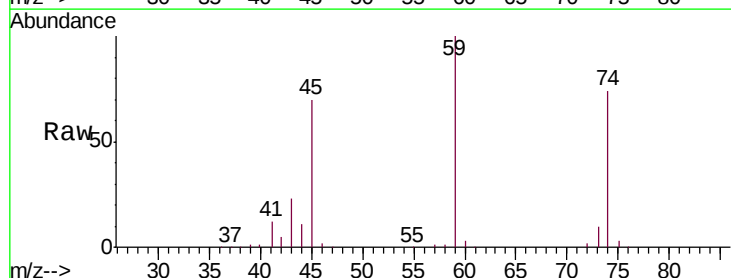
Acq: 25 Jul 2018 17:41

Tgt Ion: 74 Resp: 258949

Ion Ratio Lower Upper

74 100

45 96.6 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

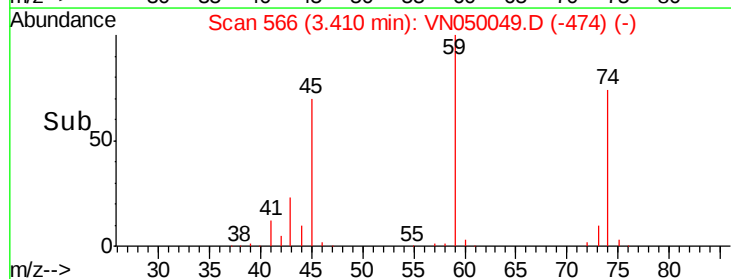
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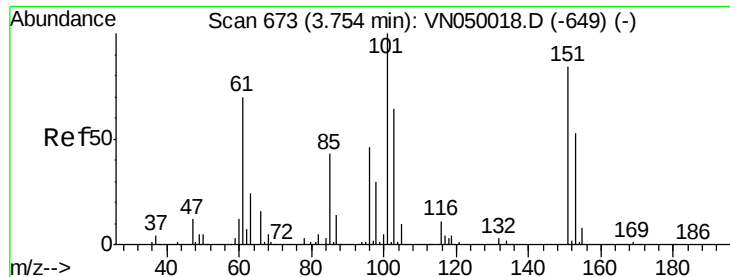
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50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.84 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

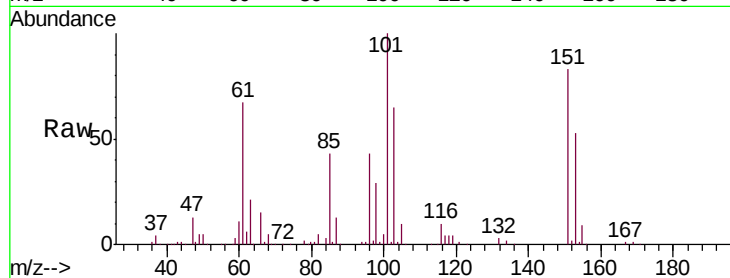
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	454959
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.2
151	82.2	66.3	99.5

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7/26/2018 3:54:42 PM

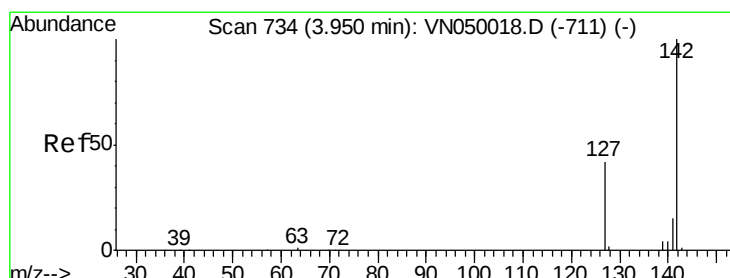
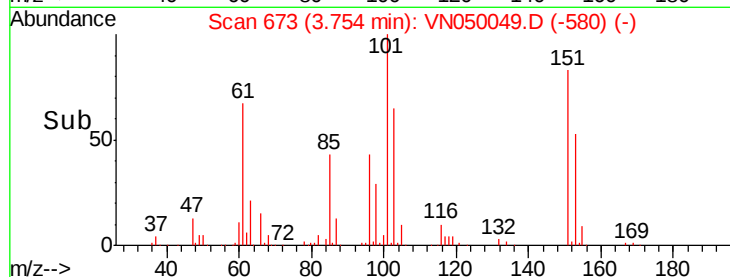
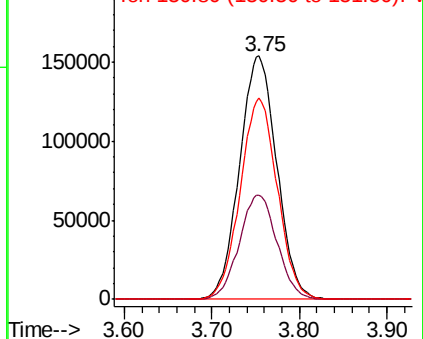


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.73 ug/l

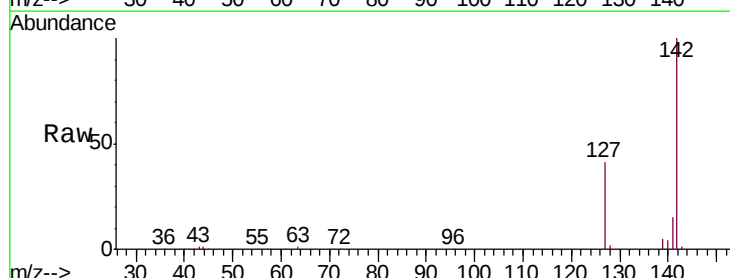
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	142	Resp:	606960
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.4	50.2
141	14.4	11.6	17.4

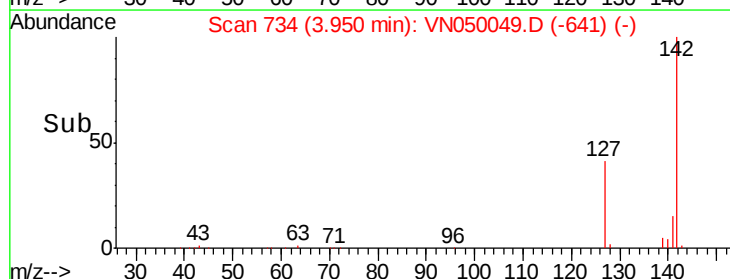
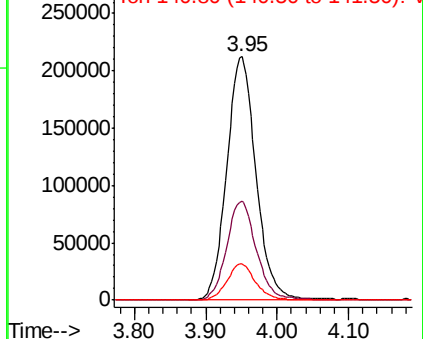


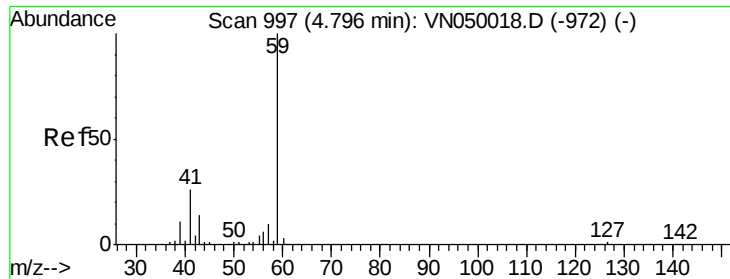
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





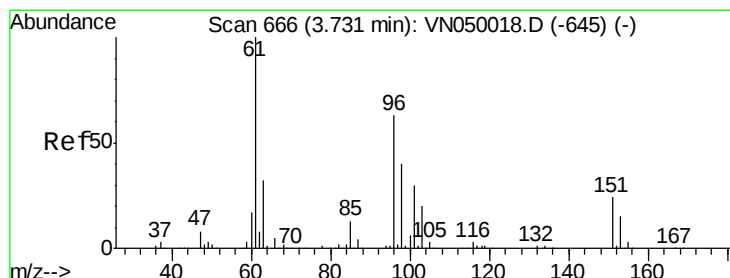
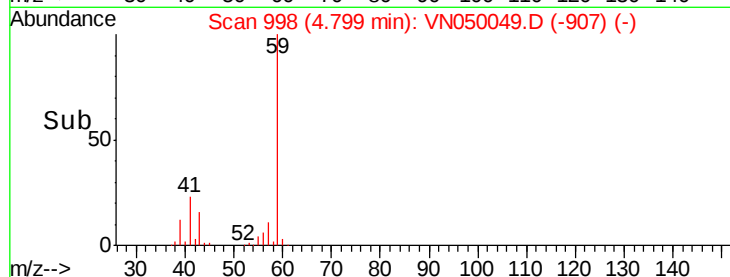
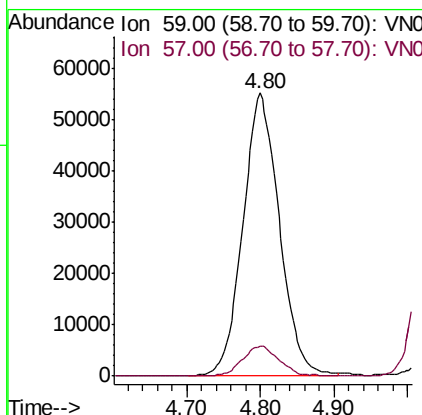
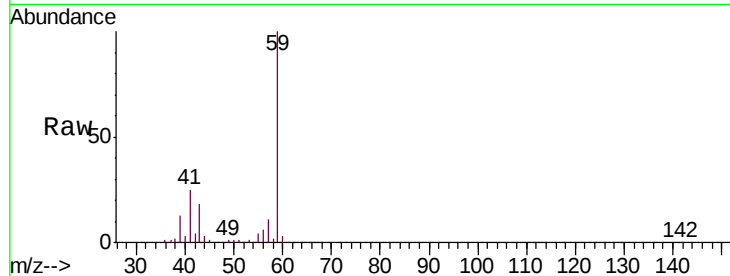
#11
Tert butyl alcohol
Concen: 249.23 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

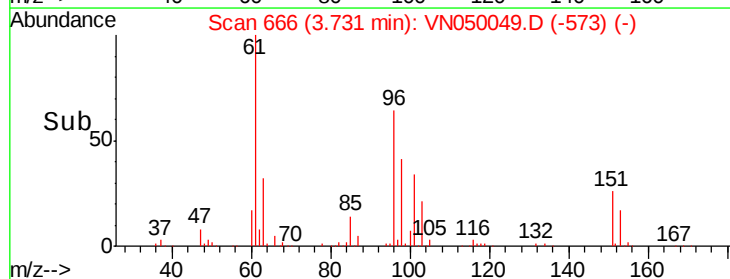
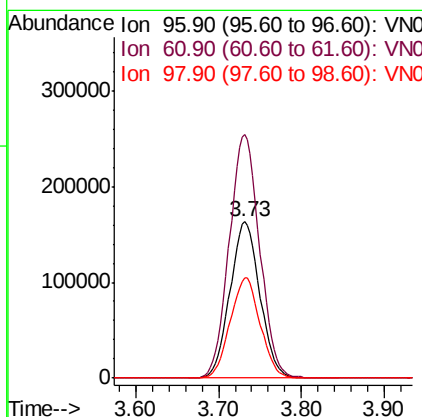
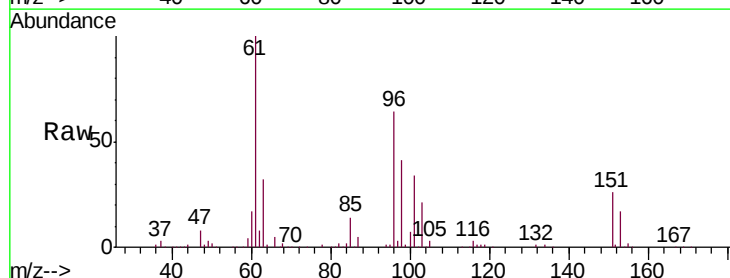
Manual Integrations
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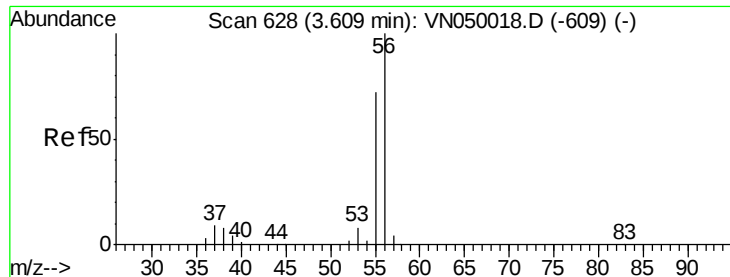
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7/26/2018 3:54:42 PM



#12
1,1-Dichloroethene
Concen: 48.08 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	124.4	186.6
98	64.2	48.3	72.5





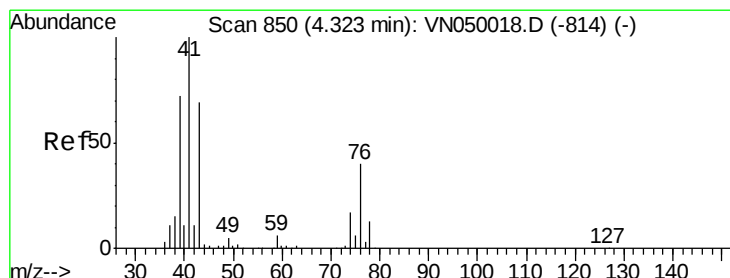
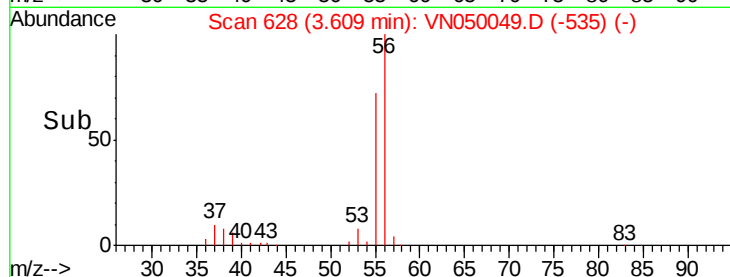
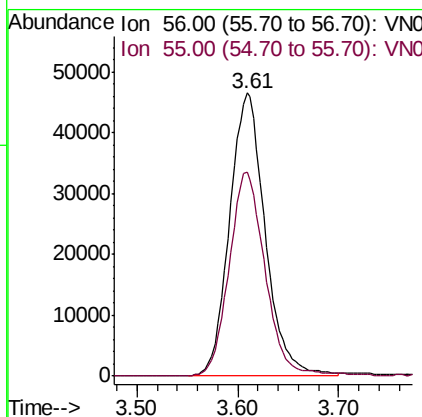
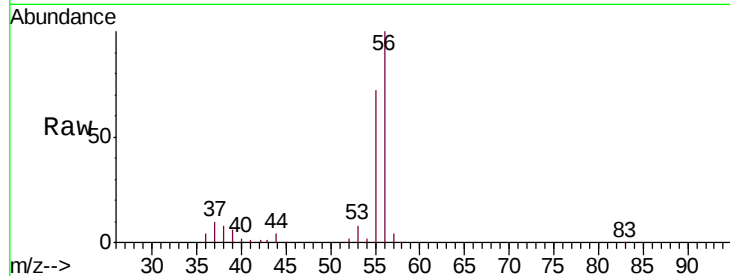
#13
Acrolein
Concen: 186.36 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	73.0	Resp	114083	Lower	55.8	Upper	83.6
Ion	56	55	Ratio	100	73.0	Resp	114083	Lower	55.8	Upper	83.6

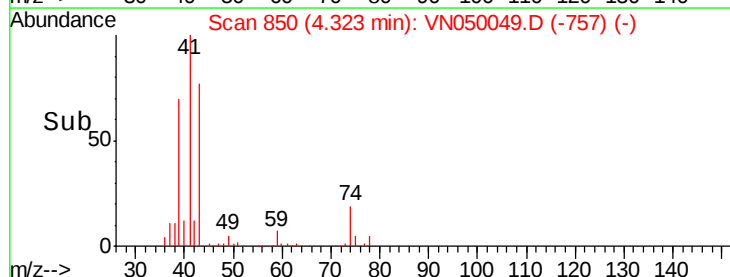
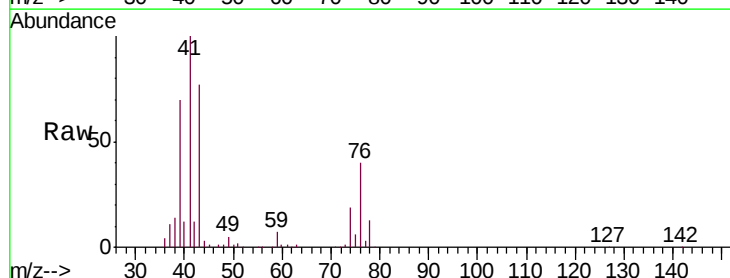
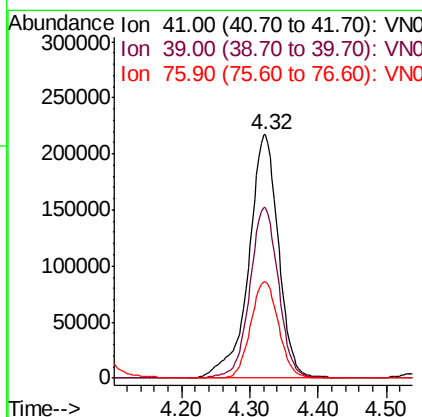
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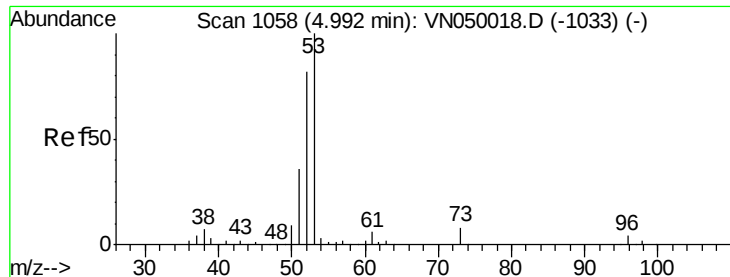
MMDadoda
7/26/2018 3:54:42 PM



#14
Allyl chloride
Concen: 49.27 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	41	39	76	Ratio	100	68.1	36.9	Resp	653557	Lower	54.2	Upper	81.4	43.6
Ion	41	39	76	Ratio	100	68.1	36.9	Resp	653557	Lower	54.2	Upper	81.4	43.6





#15

Acrylonitrile

Concen: 249.42 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

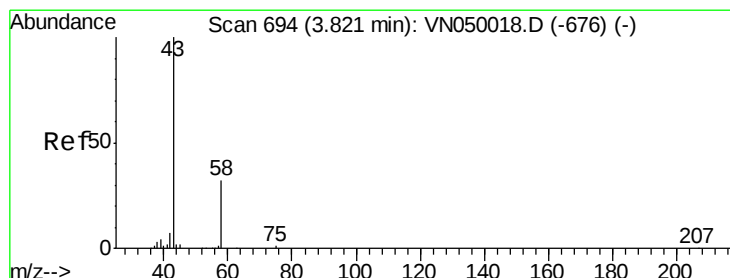
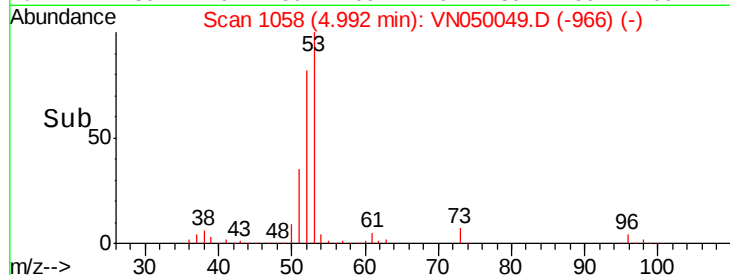
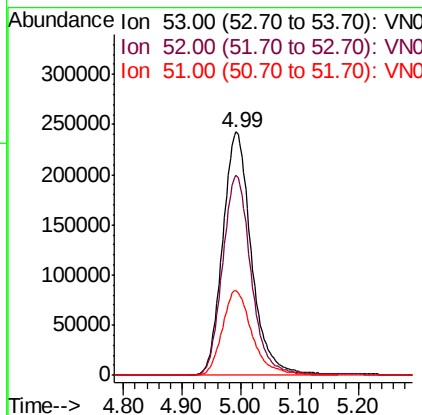
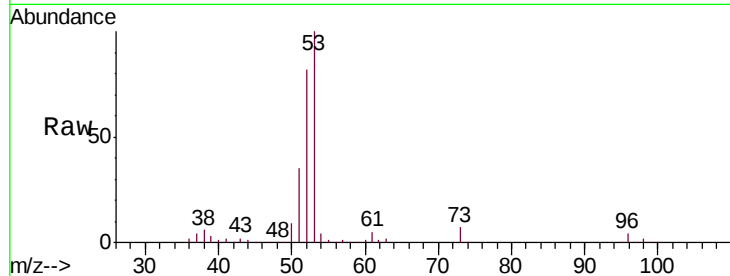
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	829127
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.2	99.2
51	36.0	29.3	43.9

Manual Integrations
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7/26/2018 3:54:42 PM



#16

Acetone

Concen: 259.82 ug/l

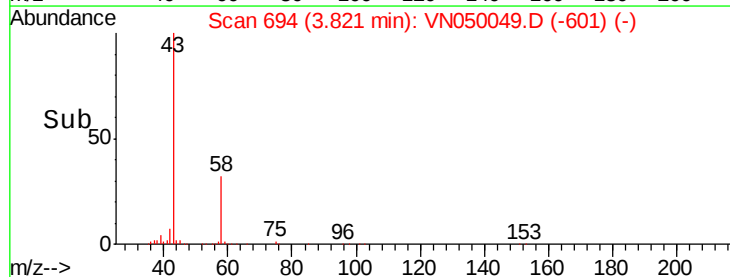
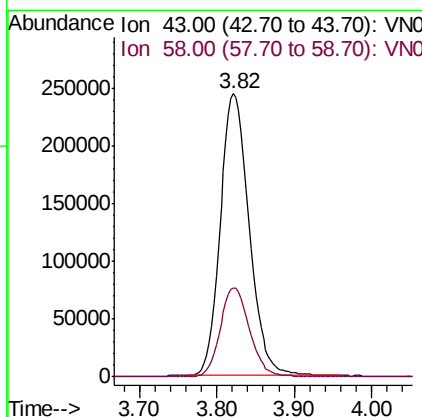
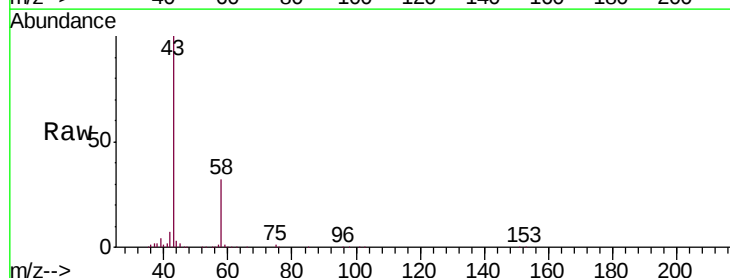
RT: 3.82 min Scan# 694

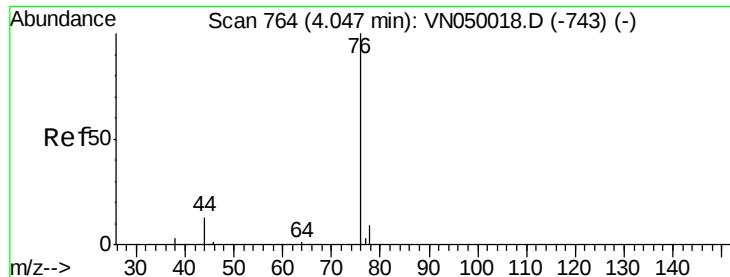
Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	43	Resp:	633335
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.8	38.8





#17

Carbon Disulfide

Concen: 46.44 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1217077

Ion Ratio Lower Upper

76 100

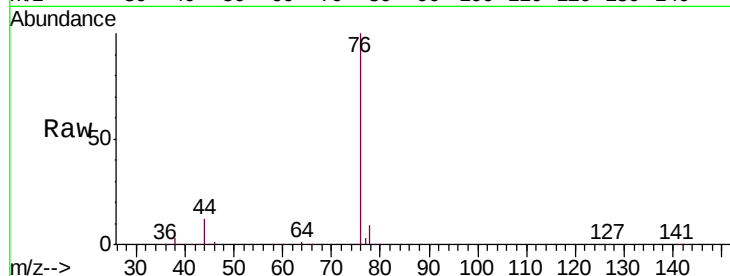
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

4.05

500000

400000

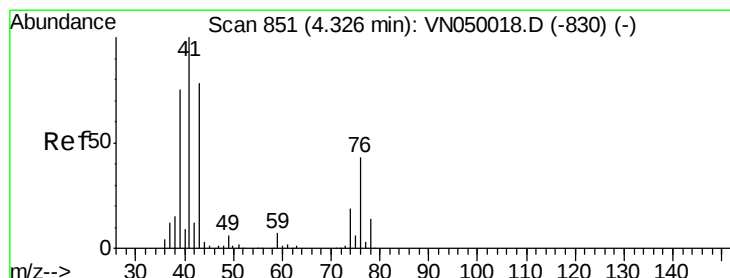
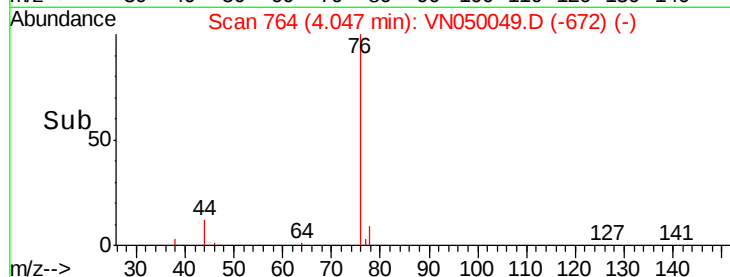
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.26 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050049.D

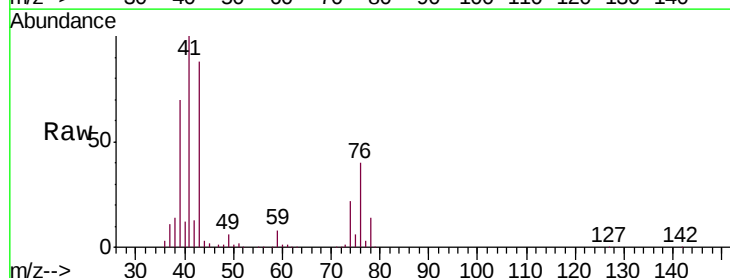
Acq: 25 Jul 2018 17:41

Tgt Ion: 43 Resp: 495092

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050018.D (-830) (-)

4.33

200000

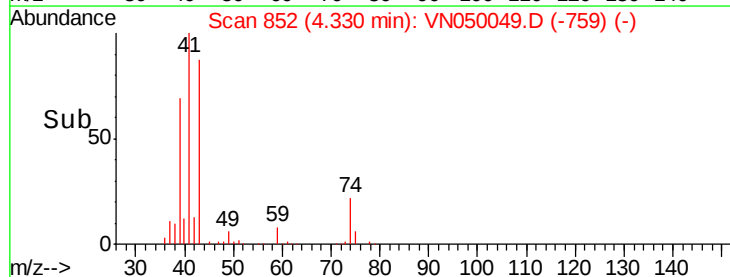
150000

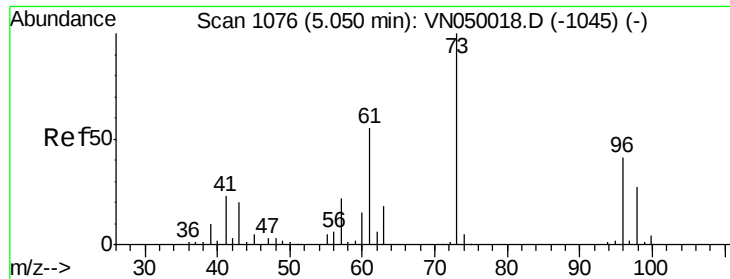
100000

50000

0

Time-->





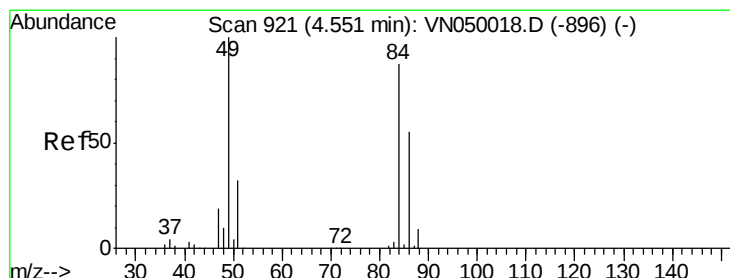
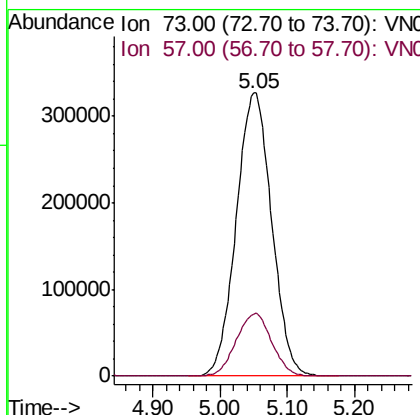
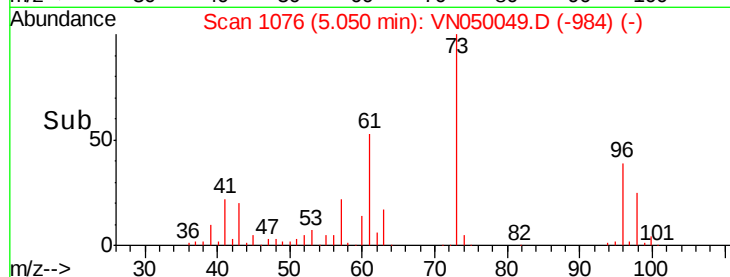
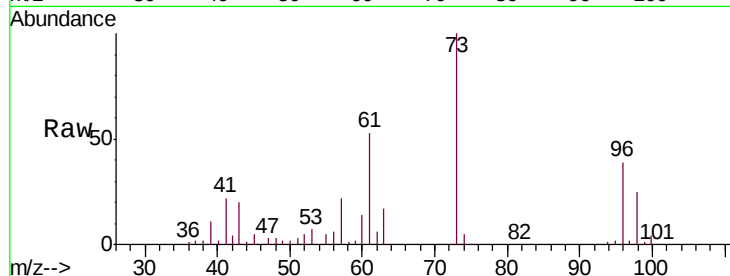
#19
Methyl tert-butyl Ether
Concen: 52.43 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1195098
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

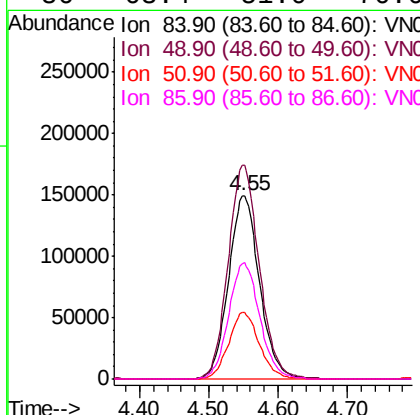
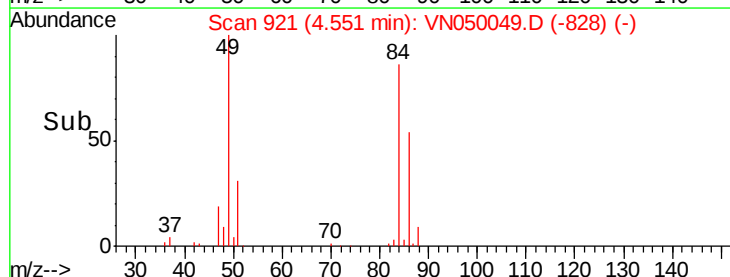
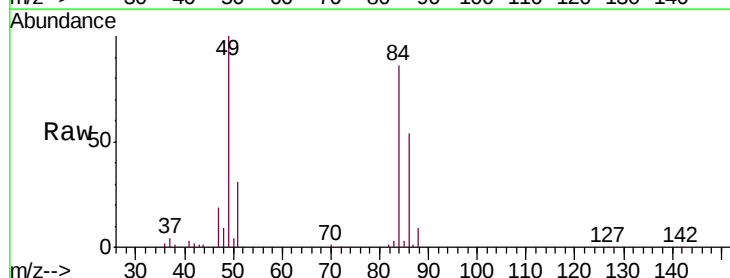
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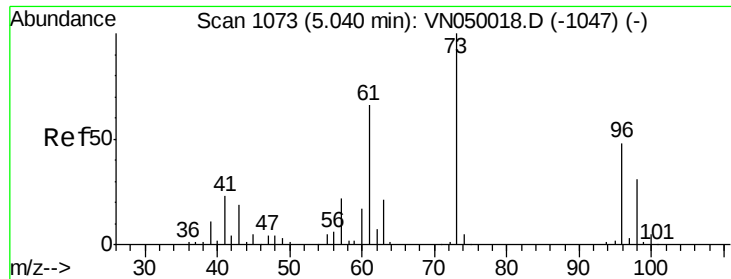
MMDadoda
7/26/2018 3:54:42 PM



#20
Methylene Chloride
Concen: 50.72 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 84 Resp: 465550
Ion Ratio Lower Upper
84 100
49 116.5 94.8 142.2
51 36.2 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.97 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 443855

Ion Ratio Lower Upper

96 100

61 134.9 110.7 166.1

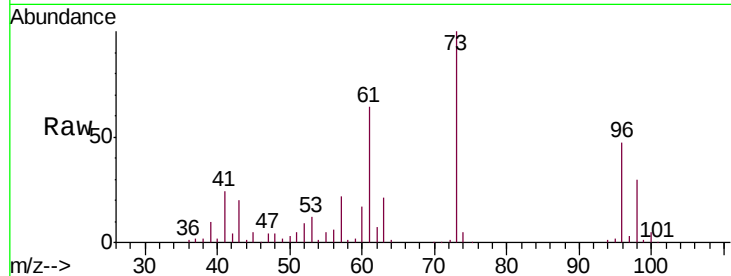
98 62.7 51.6 77.4

Manual Integrations

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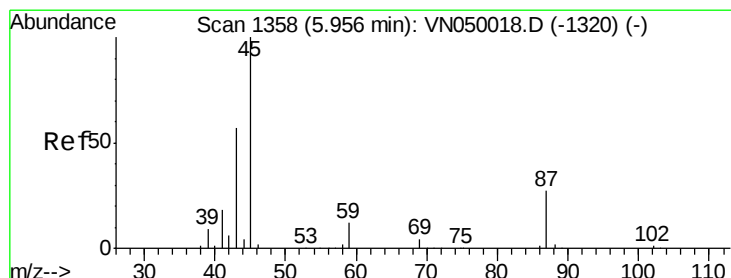
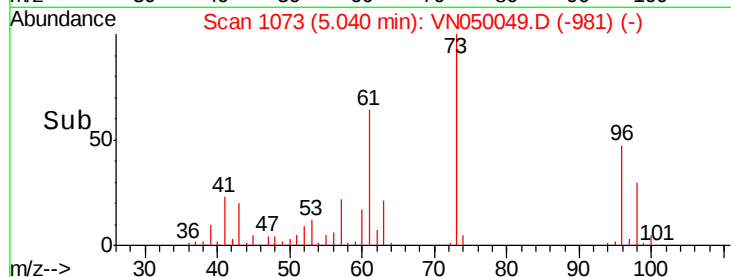
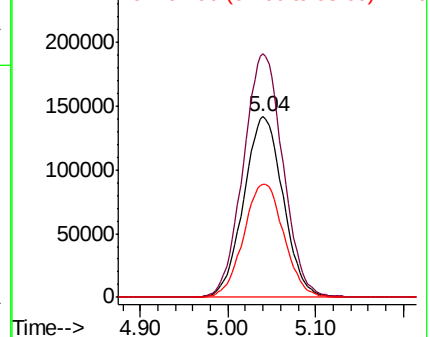


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.98 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion: 45 Resp: 1393433

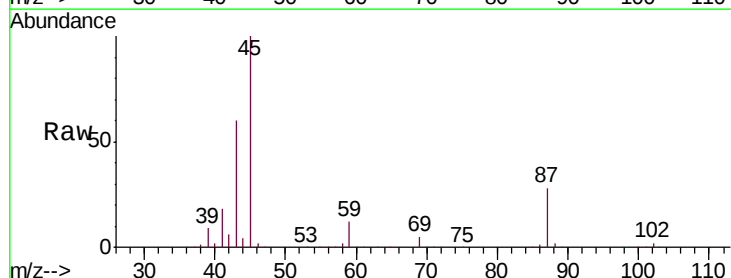
Ion Ratio Lower Upper

45 100

43 58.9 45.7 68.5

87 28.2 22.7 34.1

59 12.0 9.5 14.3



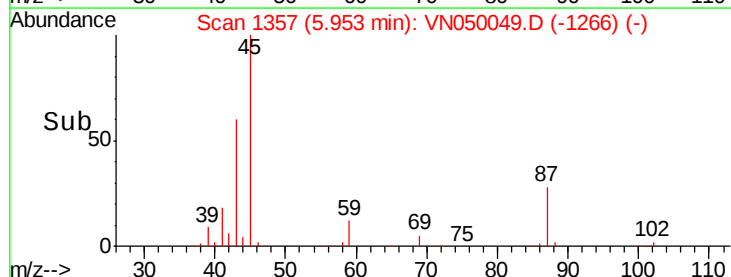
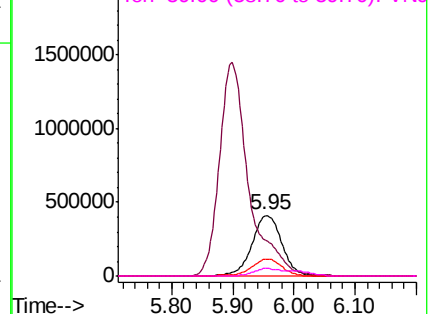
Abundance

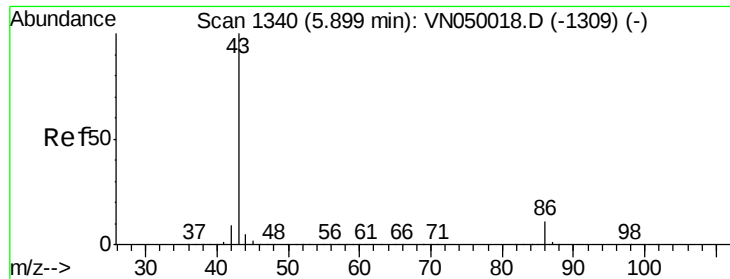
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 261.70 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4863870

Ion Ratio Lower Upper

43 100

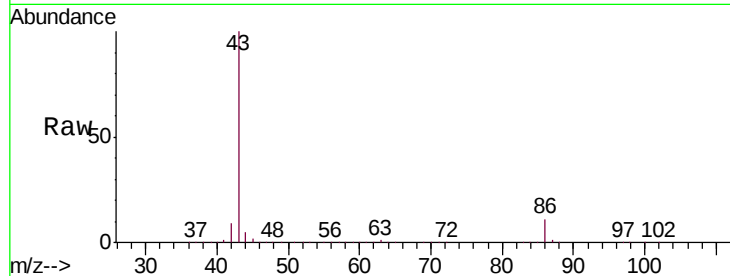
86 10.7 8.6 13.0

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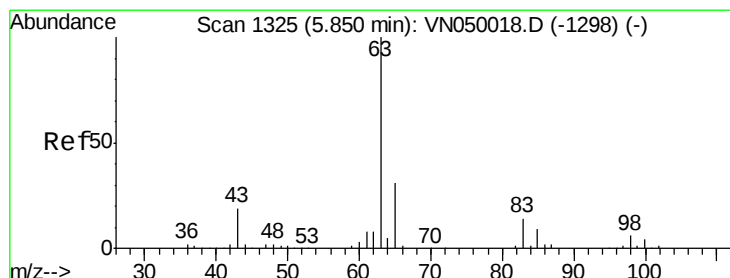
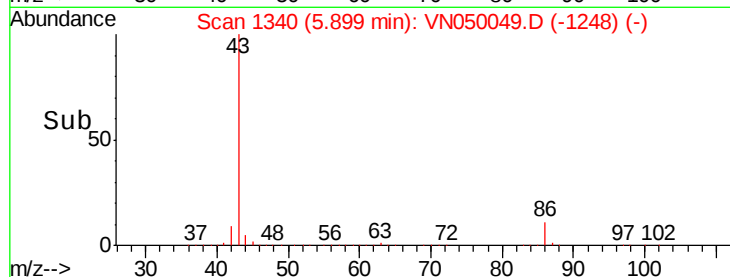
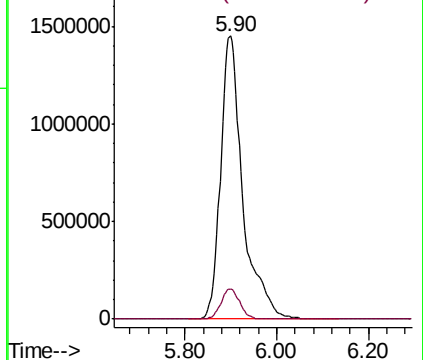
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.82 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

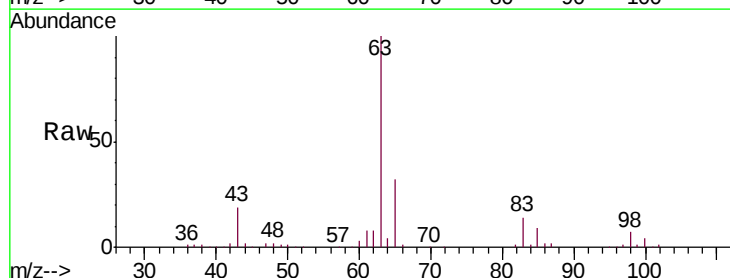
Tgt Ion: 63 Resp: 822333

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

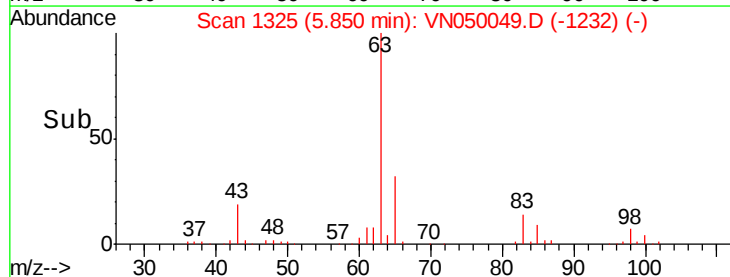
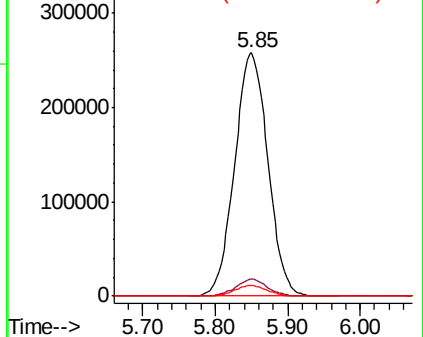
100 4.4 2.1 6.3

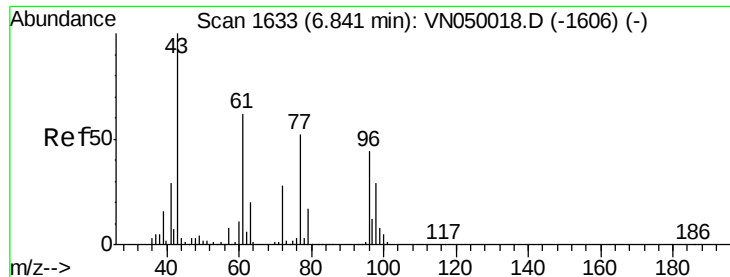


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 253.22 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1000178

Ion Ratio Lower Upper

43 100

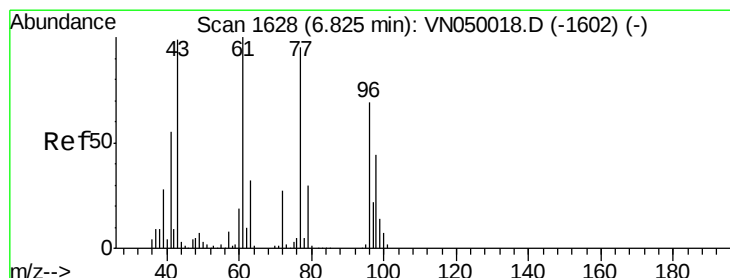
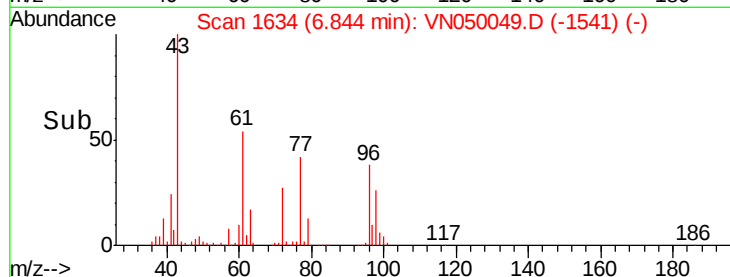
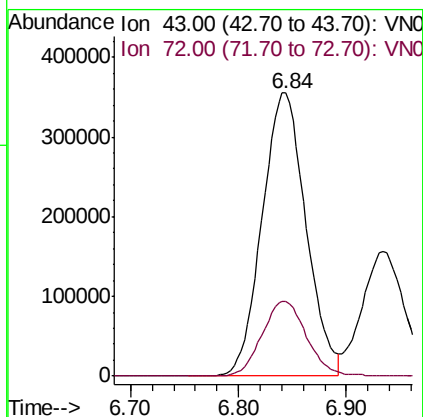
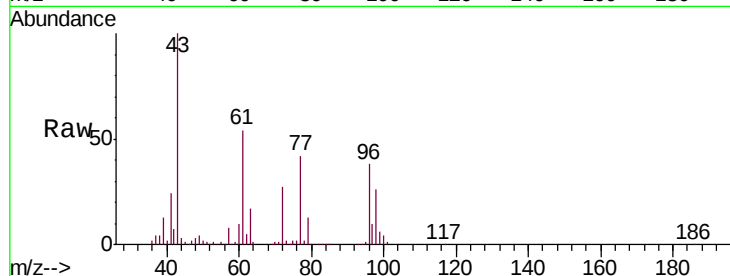
72 26.6 21.5 32.3

Manual Integrations

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7/26/2018 3:54:42 PM



#26

2,2-Dichloropropane

Concen: 50.22 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050049.D

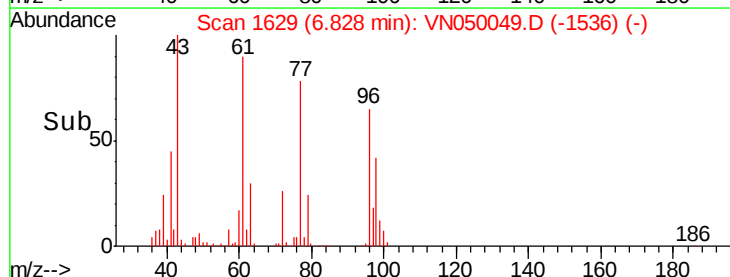
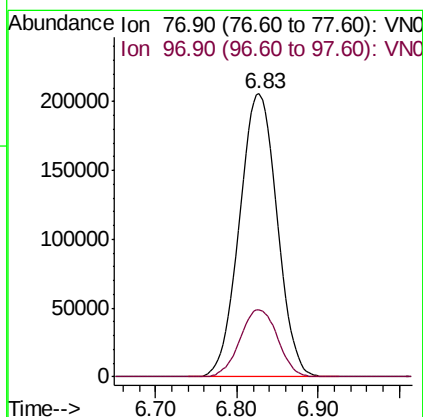
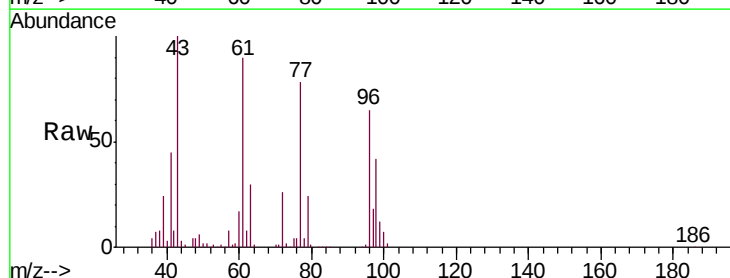
Acq: 25 Jul 2018 17:41

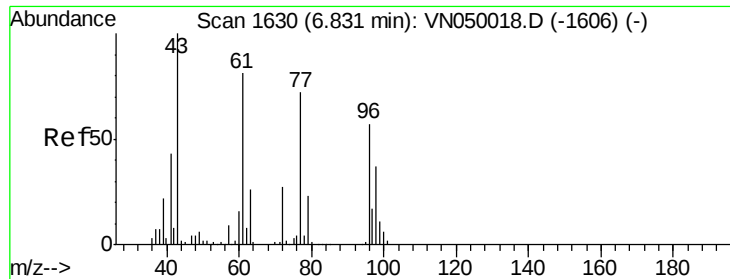
Tgt Ion: 77 Resp: 656992

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





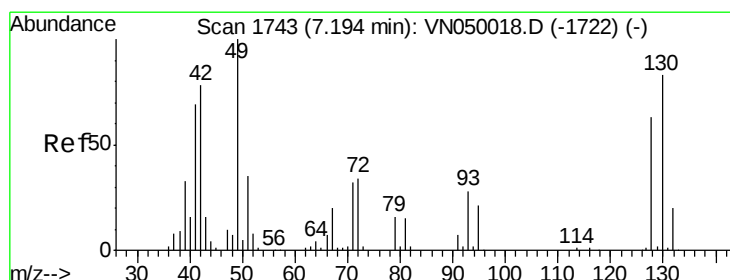
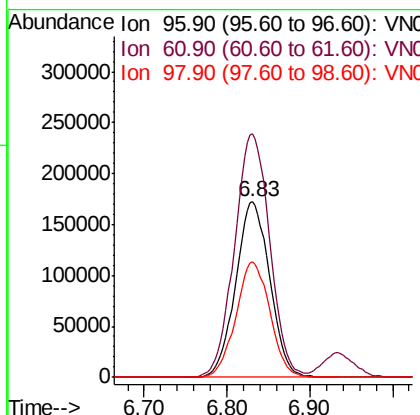
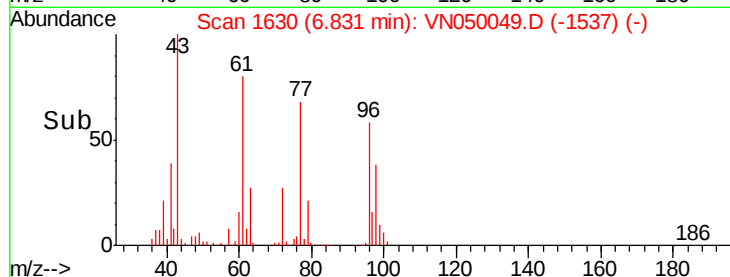
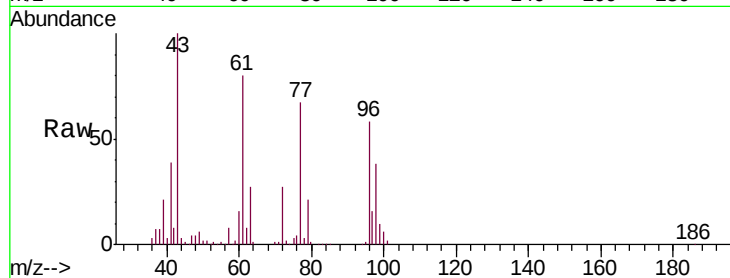
#27
 cis-1,2-Dichloroethene
 Concen: 50.72 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	285.0
98	65.5	0.0	129.2

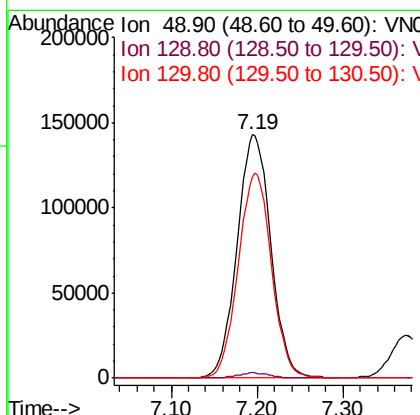
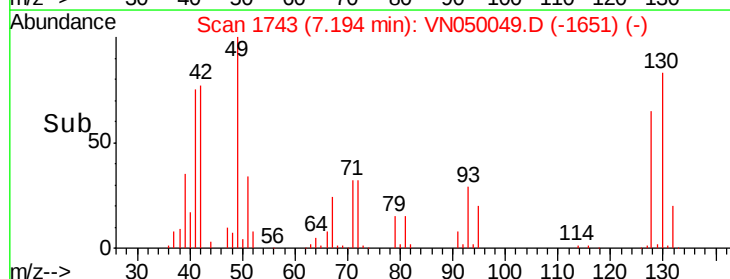
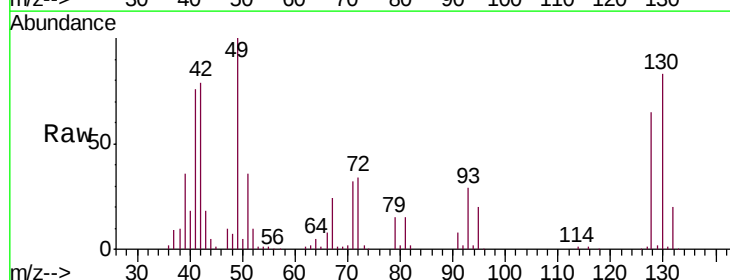
Manual Integrations
 APPROVED

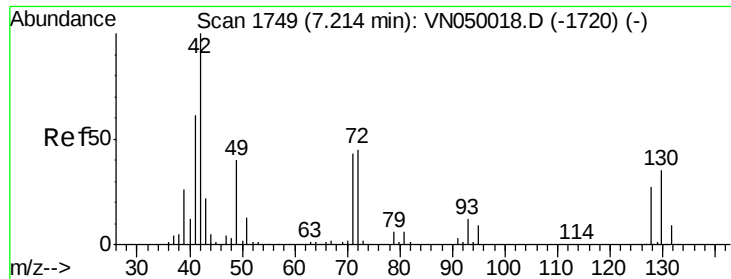
MMDadoda
 7/26/2018 3:54:42 PM



#28
 Bromochloromethane
 Concen: 49.65 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.2	66.3	99.5





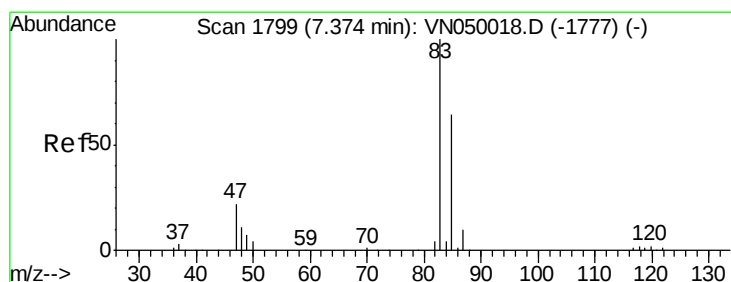
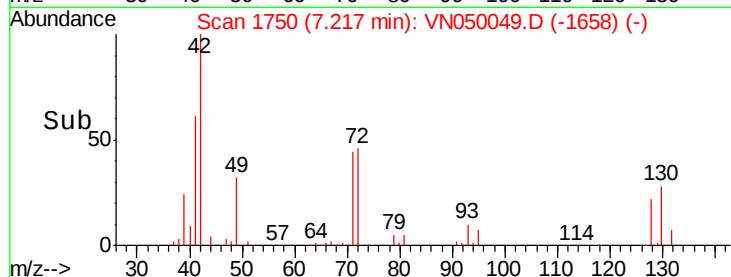
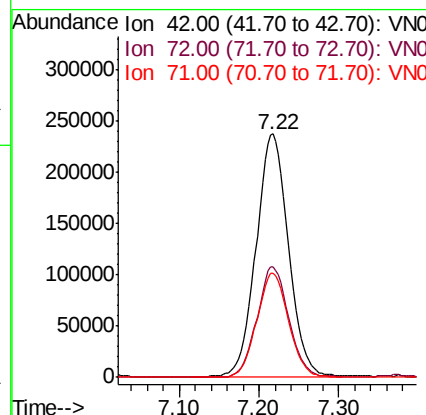
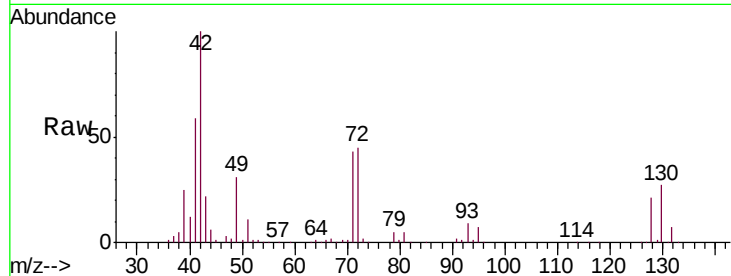
#29
Tetrahydrofuran
Concen: 258.62 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.9	53.9
71	42.2	33.7	50.5

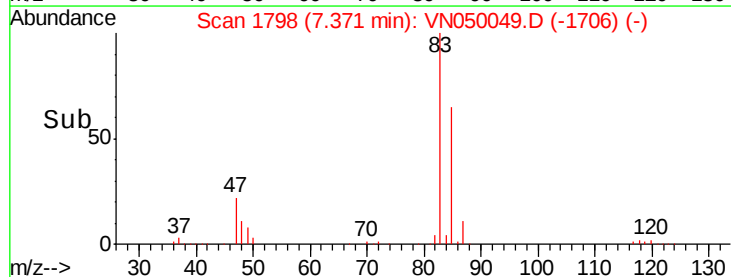
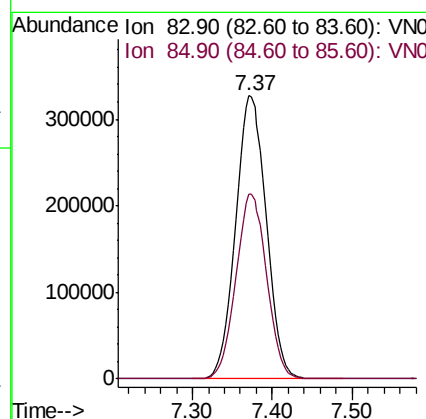
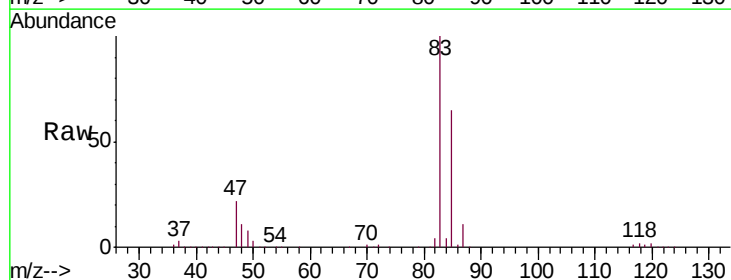
Manual Integrations
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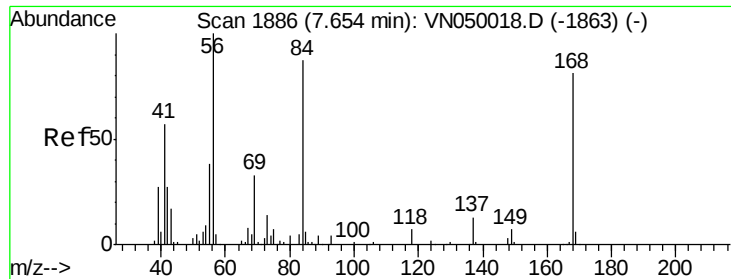
MMDadoda
7/26/2018 3:54:42 PM



#30
Chloroform
Concen: 48.23 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





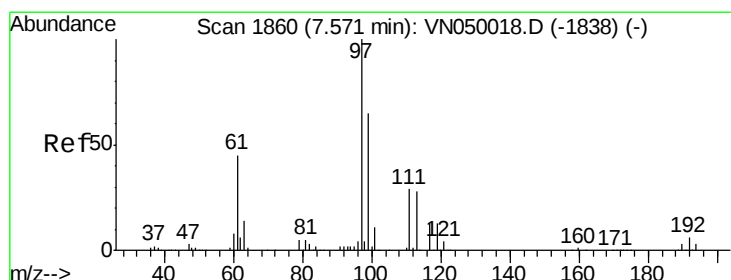
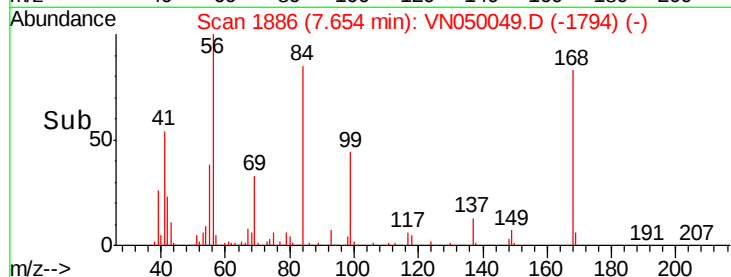
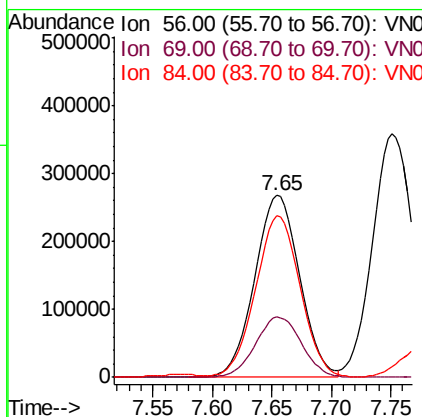
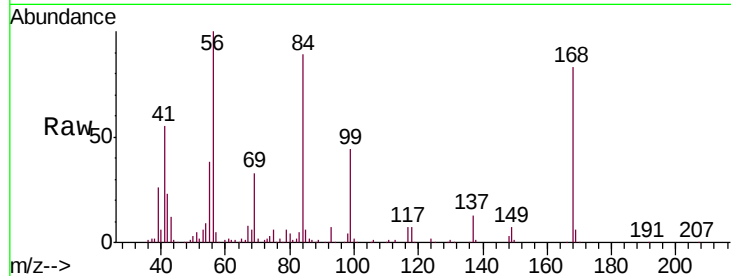
#31
Cyclohexane
Concen: 49.19 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.4
84	87.2	67.4	101.0

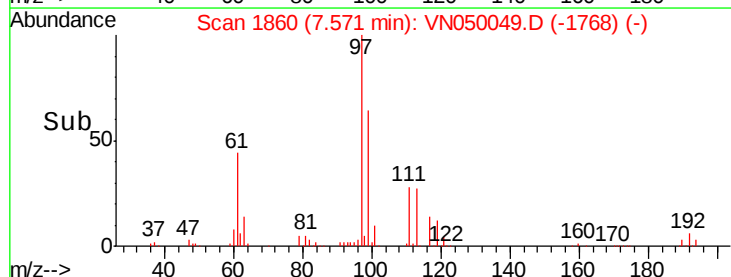
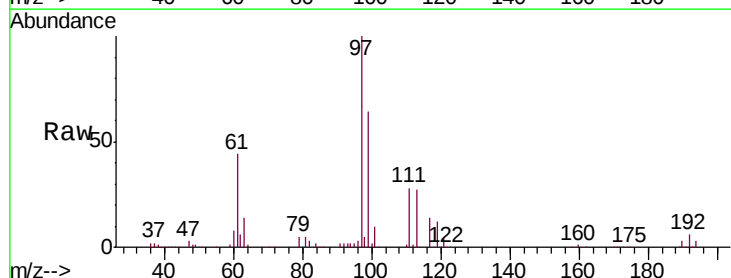
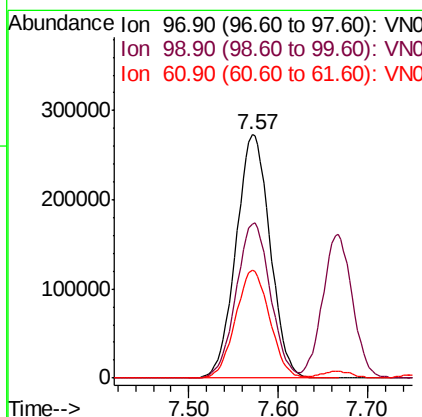
Manual Integrations
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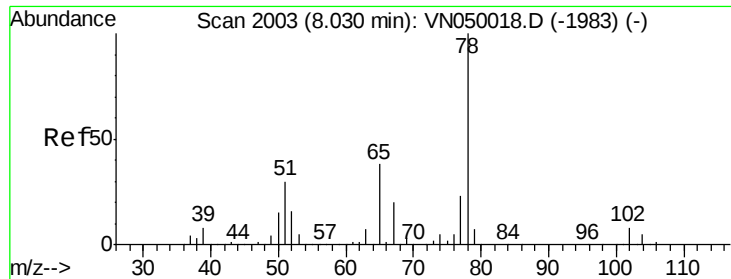
MMDadoda
7/26/2018 3:54:42 PM



#32
1,1,1-Trichloroethane
Concen: 48.09 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	44.4	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 48.49 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 502078

Ion Ratio Lower Upper

65 100

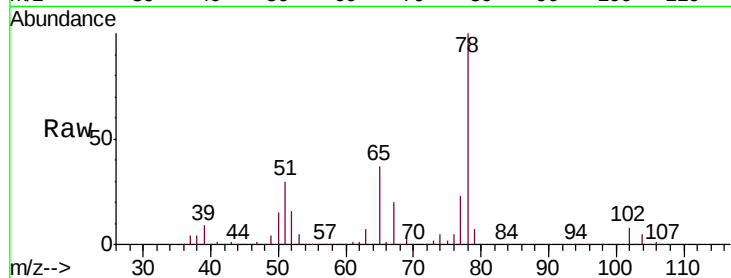
67 53.5 0.0 108.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

250000

200000

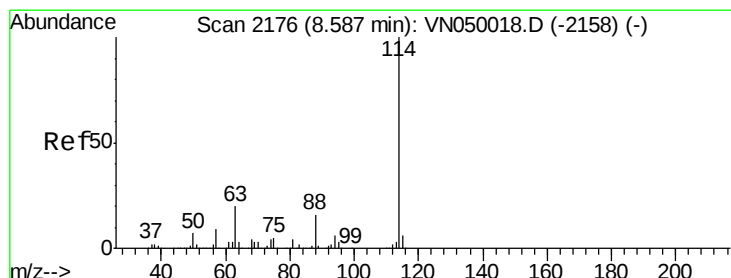
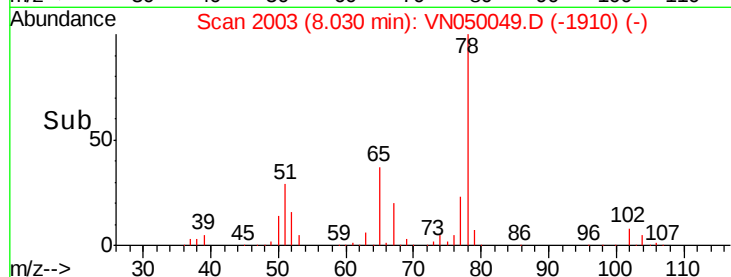
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

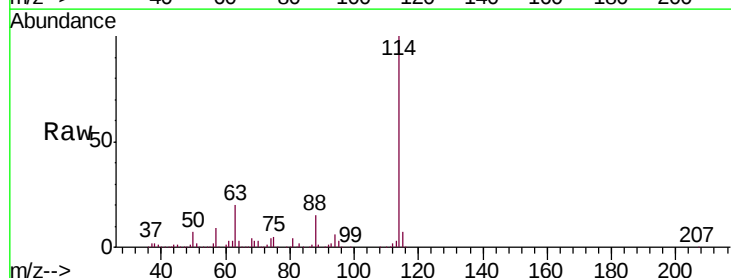
Tgt Ion: 114 Resp: 1050552

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

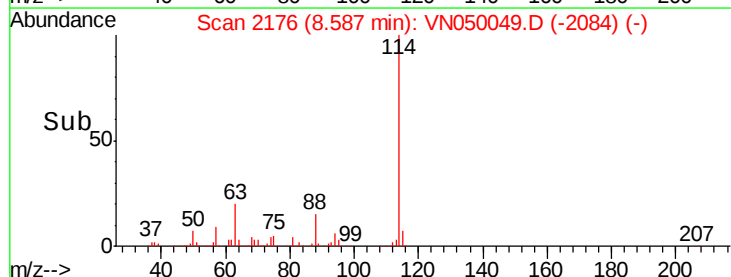
600000

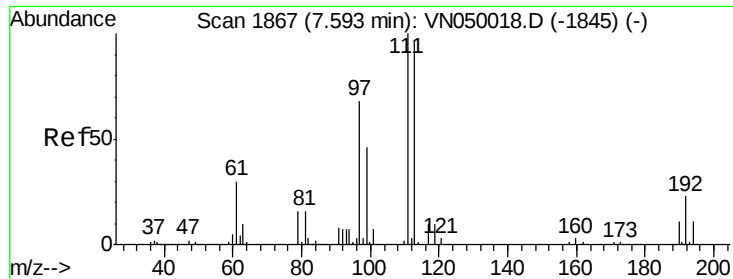
400000

200000

0

Time-->





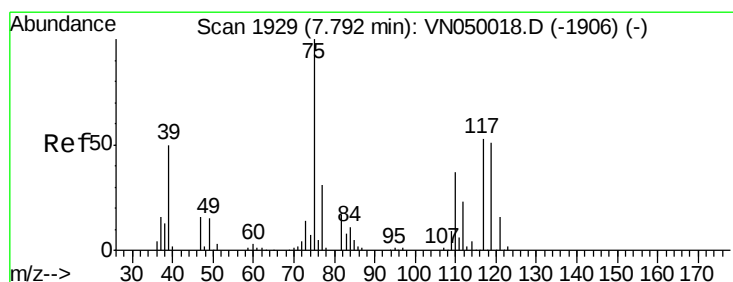
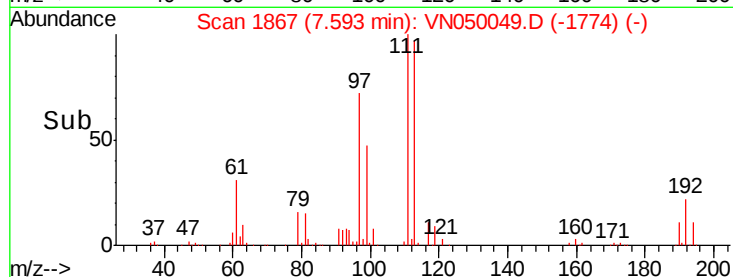
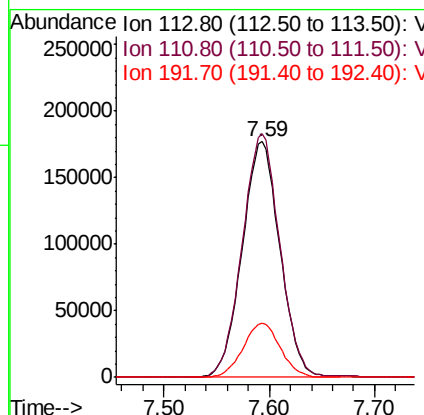
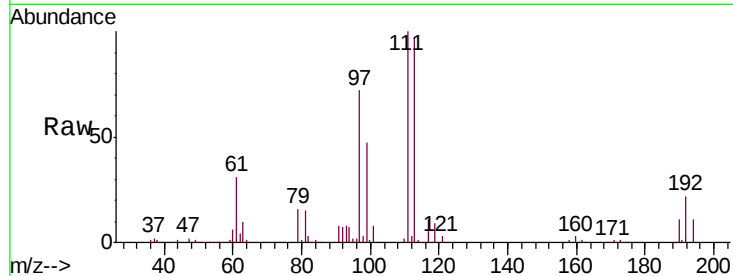
#35
Dibromofluoromethane
Concen: 51.37 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	80.7	121.1	
192	22.7	17.8	26.6	

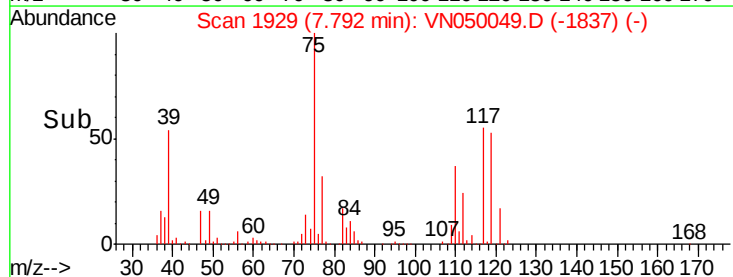
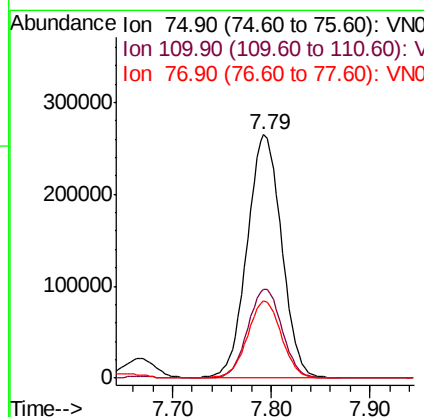
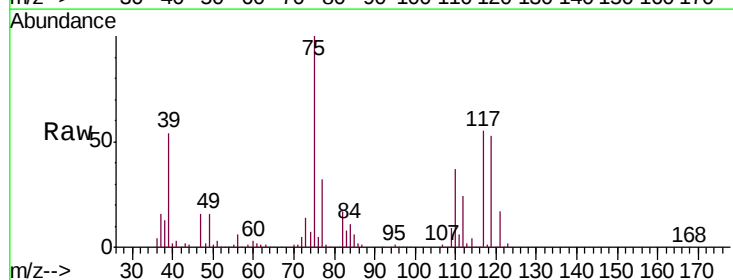
Manual Integrations
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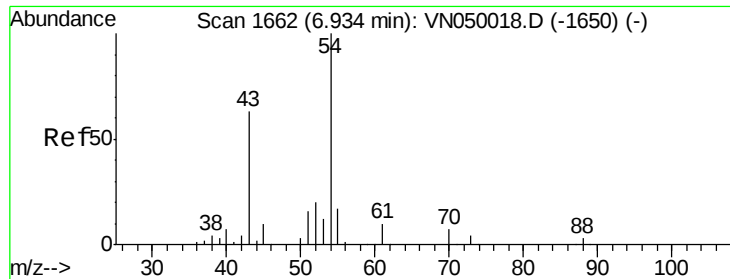
MMDadoda
7/26/2018 3:54:42 PM



#36
1,1-Dichloropropene
Concen: 53.80 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.4	55.2	
77	31.6	25.3	37.9	





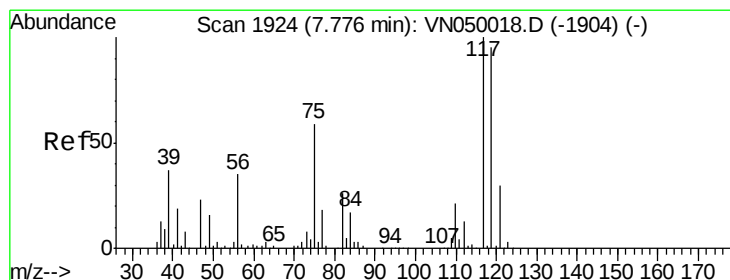
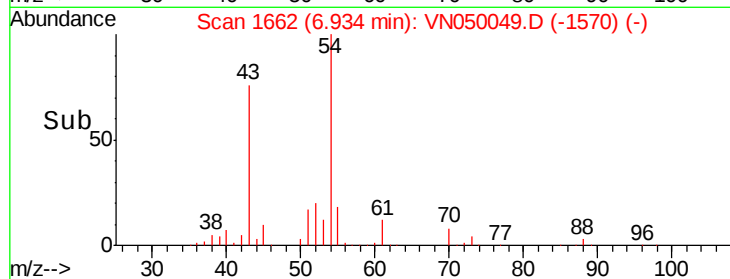
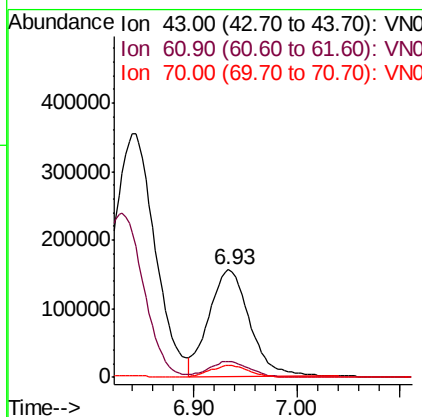
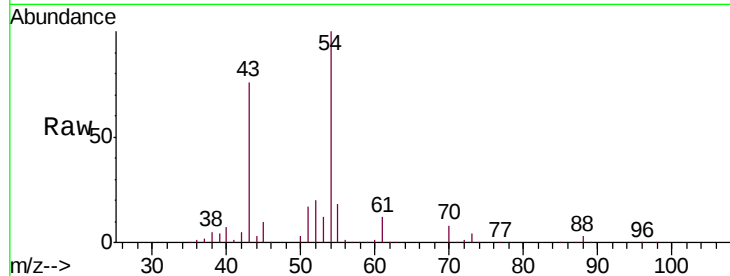
#37
Ethyl Acetate
Concen: 52.12 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.7	8.4	12.6

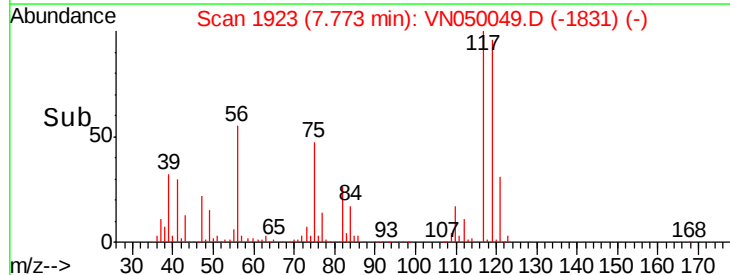
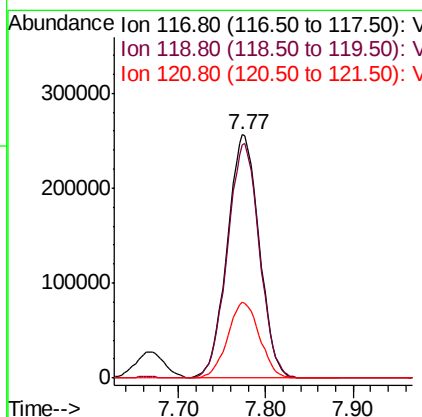
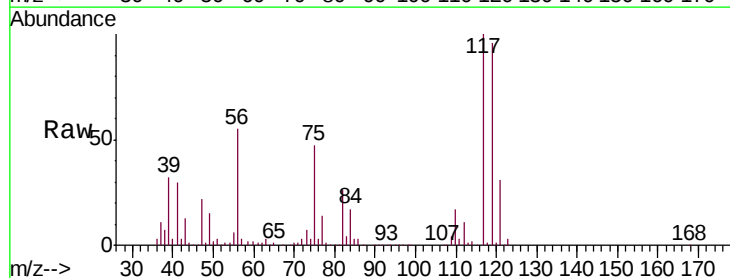
Manual Integrations
APPROVED

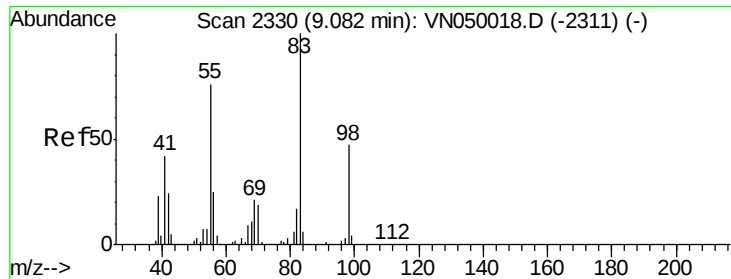
MMDadoda
7/26/2018 3:54:42 PM



#38
Carbon Tetrachloride
Concen: 51.88 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	31.2	23.9	35.9





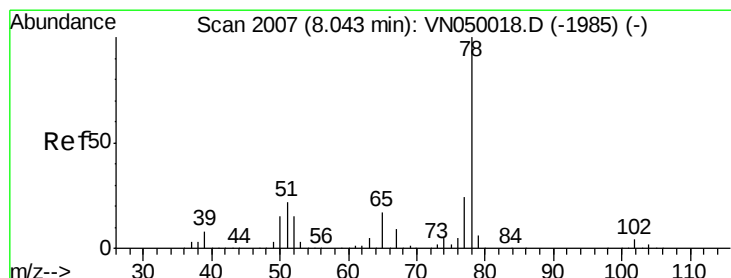
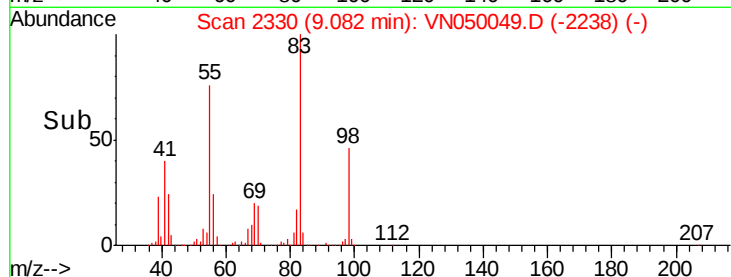
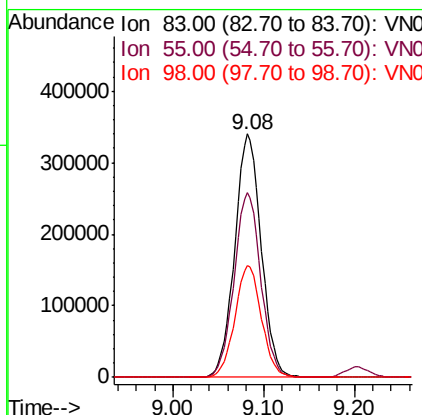
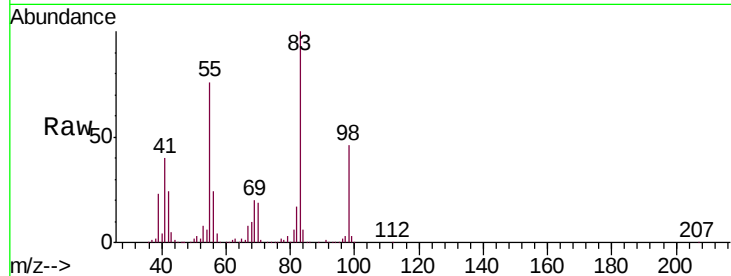
#39
Methvlcvclohexane
Concen: 56.43 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.8	92.8
98	46.0	36.5	54.7

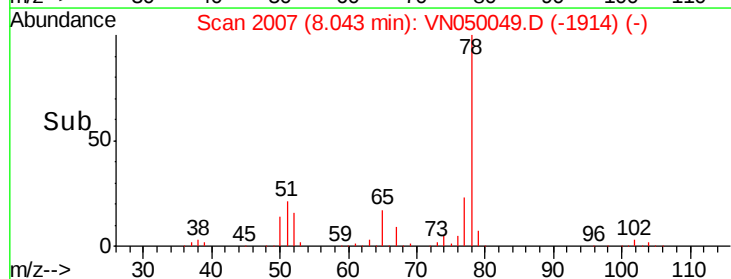
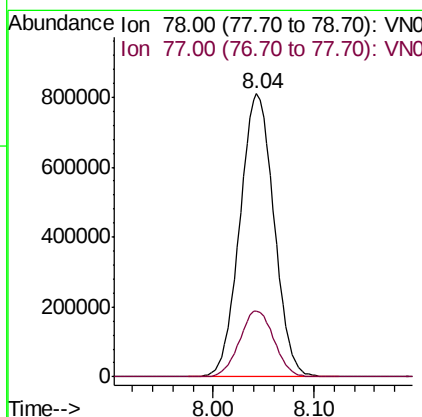
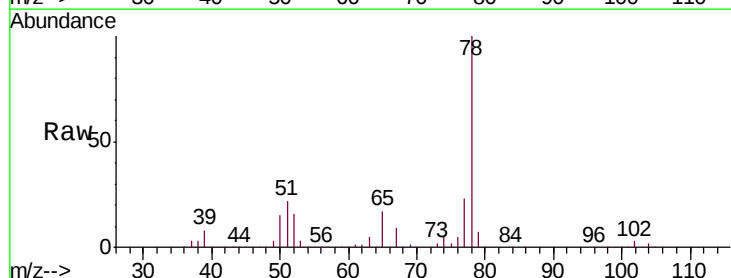
Manual Integrations
APPROVED

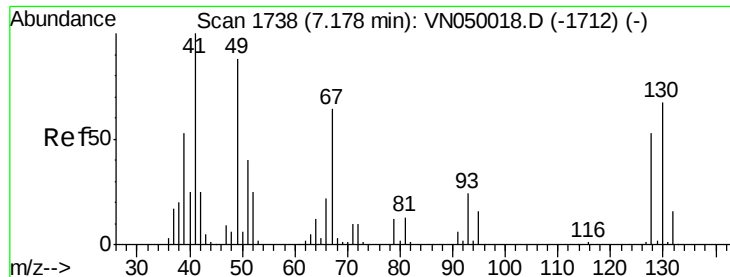
MMDadoda
7/26/2018 3:54:42 PM



#40
Benzene
Concen: 52.60 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





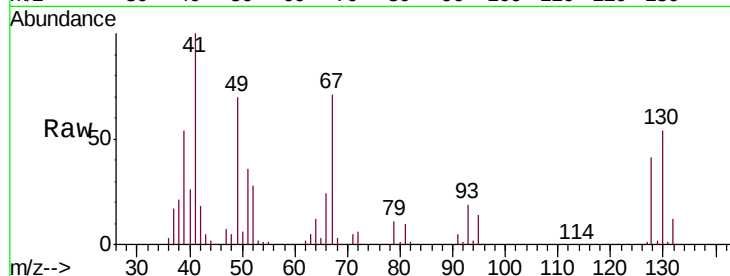
#41
Methacrylonitrile
Concen: 45.46 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

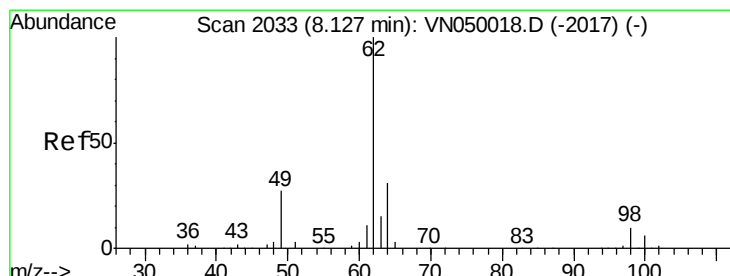
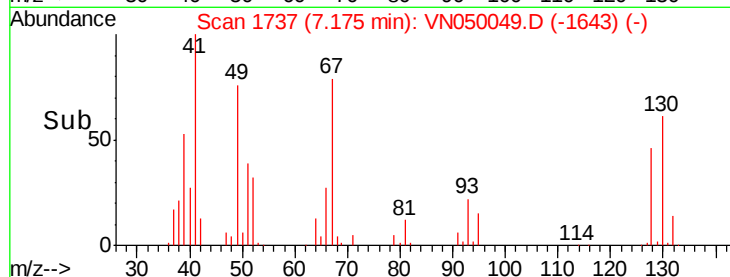
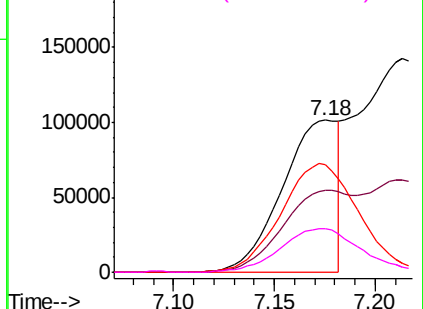
Tot Ion:	41	Resp:	194242
Ion	Ratio	Lower	Upper
41	100		
39	68.8	55.8	83.6
67	101.2	84.3	126.5
52	40.7	34.2	51.2

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7/26/2018 3:54:42 PM

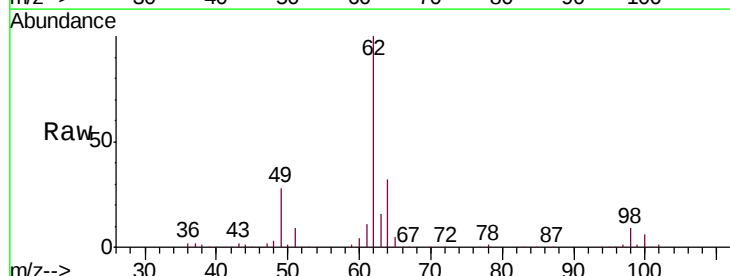


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

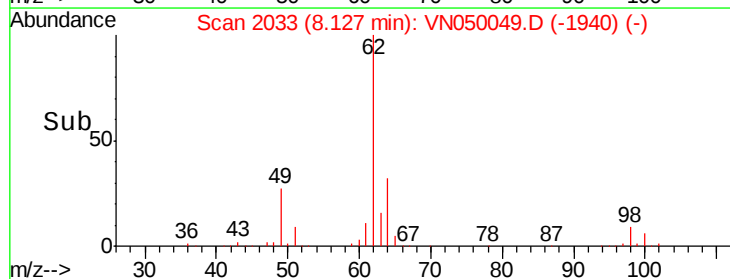
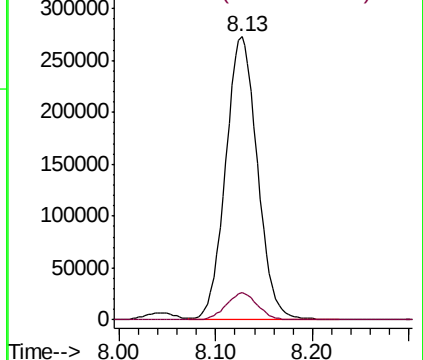


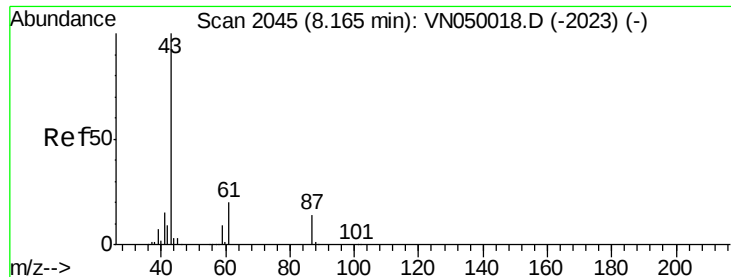
#42
1,2-Dichloroethane
Concen: 51.71 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion:	62	Resp:	621334
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.98 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

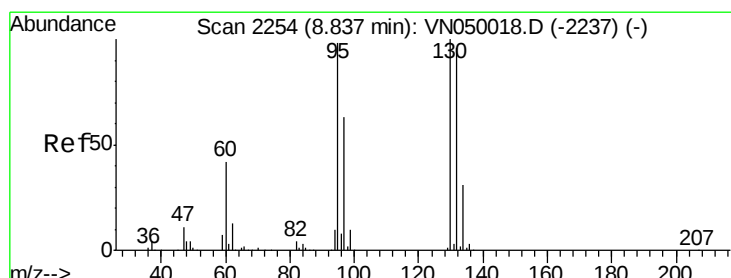
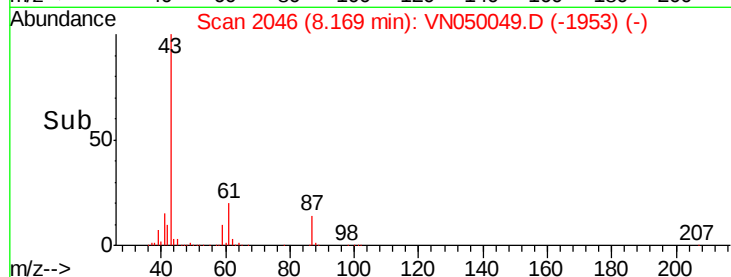
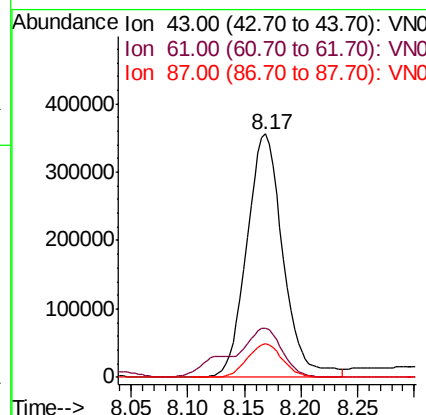
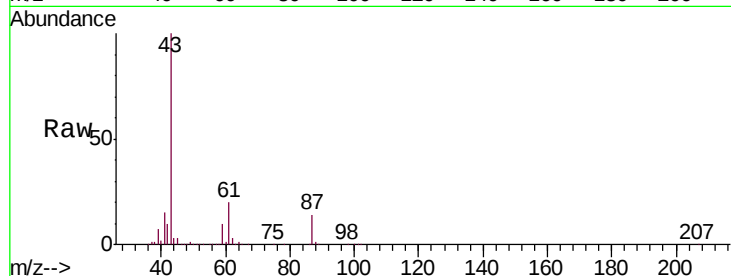
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	792391
Ion Ratio	Lower	Upper	
43	100		
61	20.5	15.8	23.6
87	13.5	10.3	15.5

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#44

Trichloroethene

Concen: 51.42 ug/l

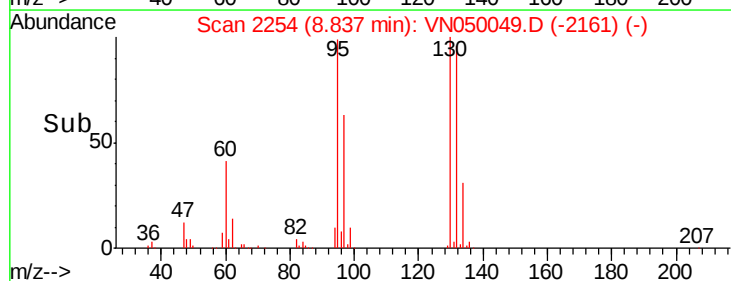
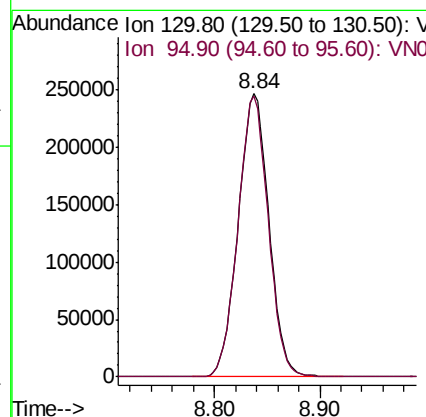
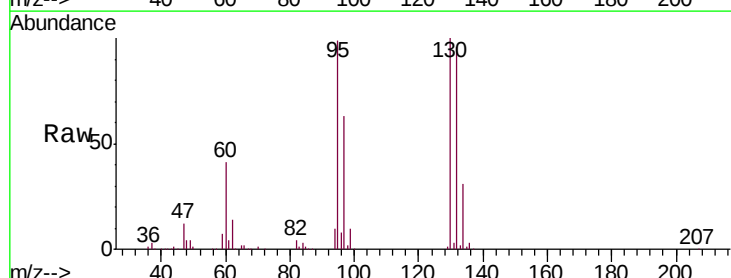
RT: 8.84 min Scan# 2254

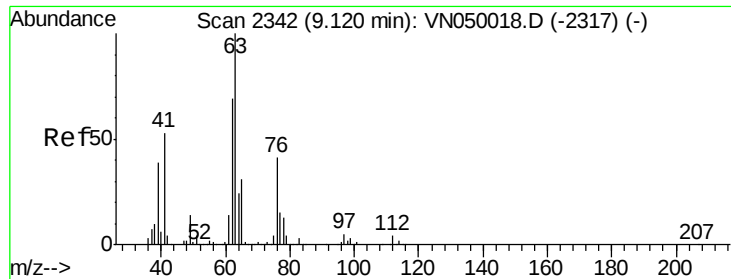
Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	130	Resp:	497612
Ion Ratio	Lower	Upper	
130	100		
95	99.4	0.0	194.6





#45

1,2-Dichloropropane

Concen: 52.02 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 496280

Ion Ratio Lower Upper

63 100

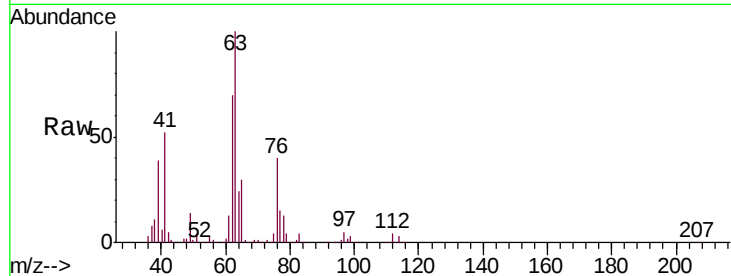
65 30.3 25.5 38.3

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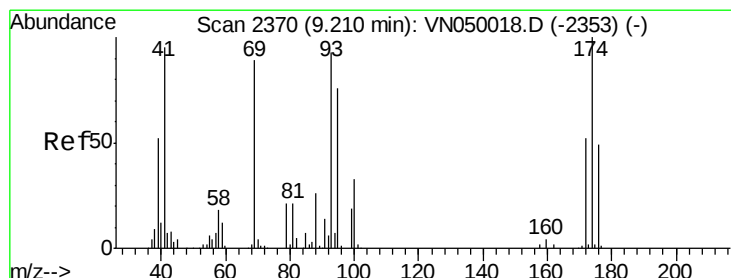
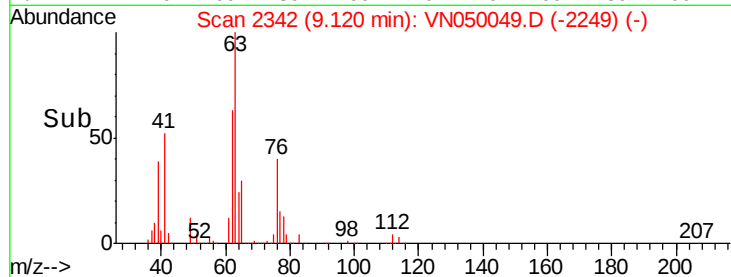
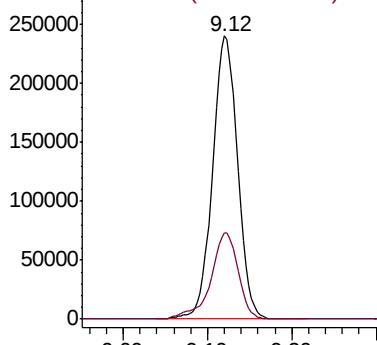
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7/26/2018 3:54:42 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.31 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

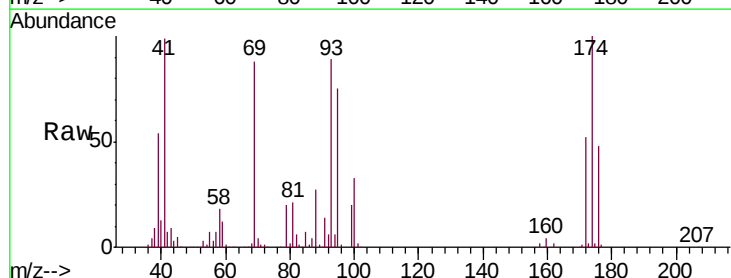
Tgt Ion: 93 Resp: 309833

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

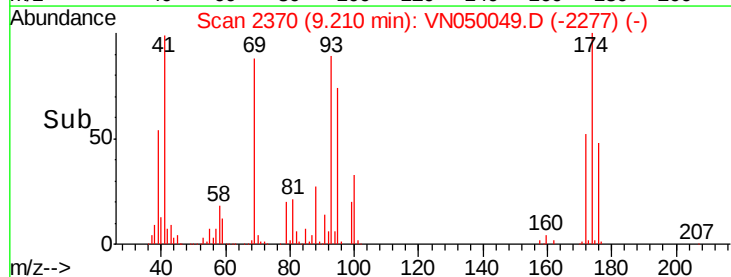
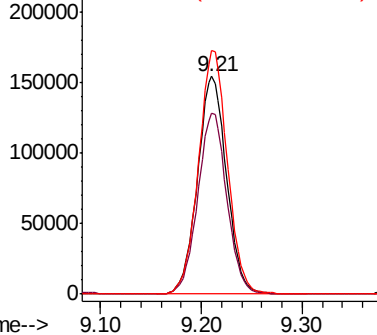
174 111.0 87.1 130.7

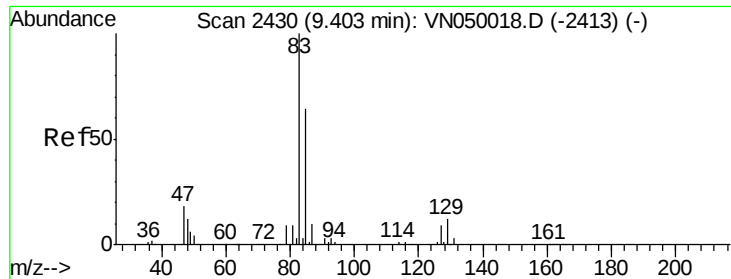


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.73 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

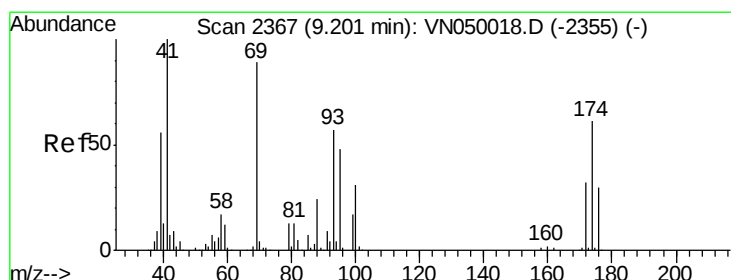
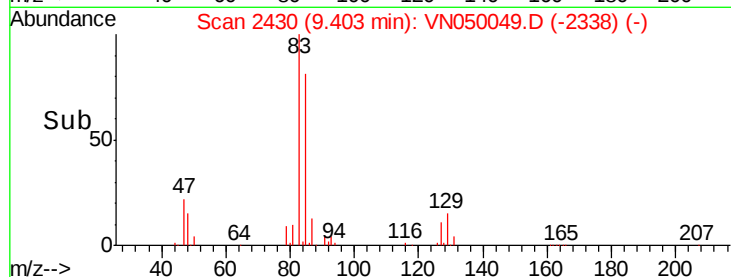
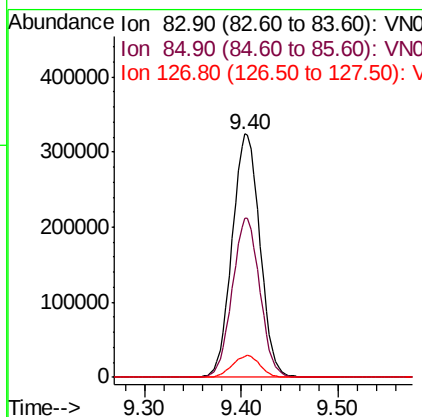
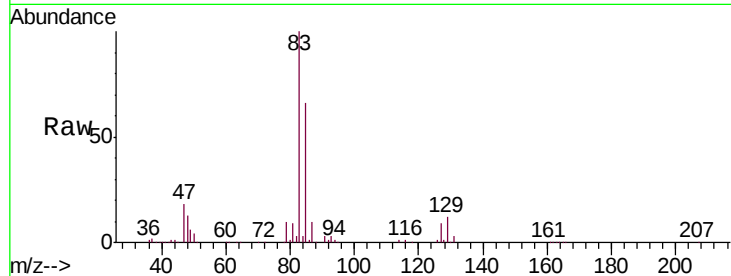
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	646759
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	8.8	7.0	10.4

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7/26/2018 3:54:42 PM



#48

Methyl methacrylate

Concen: 55.07 ug/l

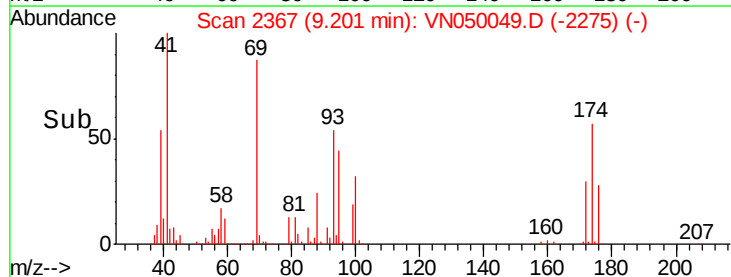
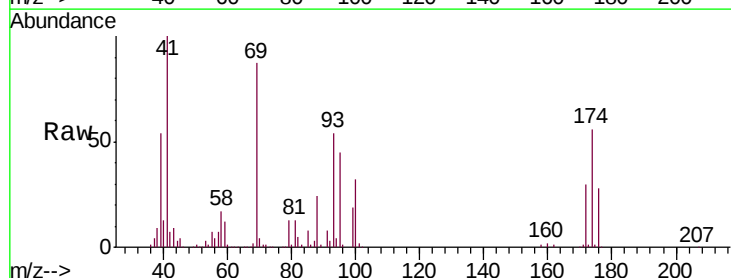
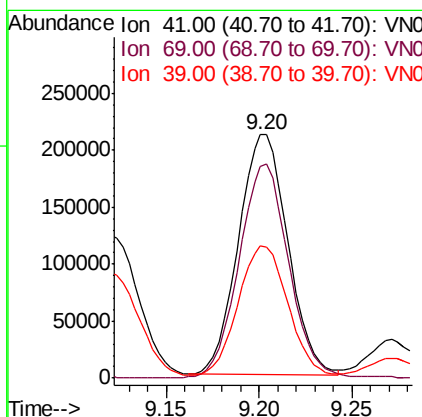
RT: 9.20 min Scan# 2367

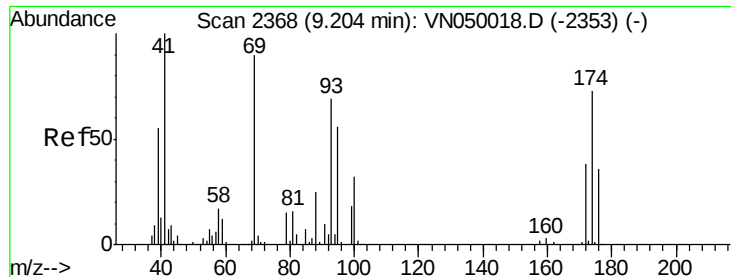
Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	41	Resp:	391409
Ion	Ratio	Lower	Upper
41	100		
69	89.3	70.6	105.8
39	56.4	43.9	65.9





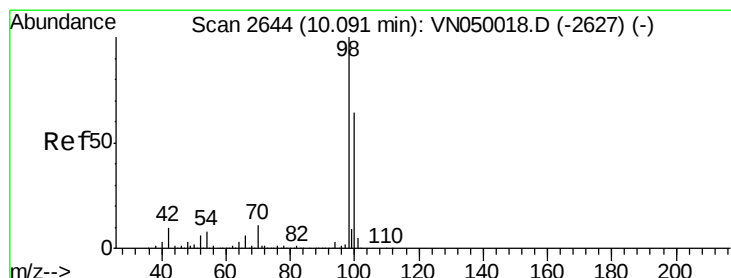
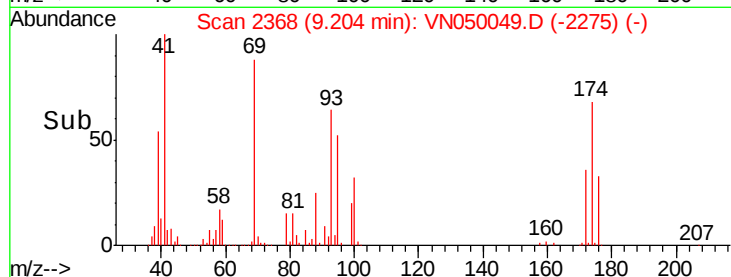
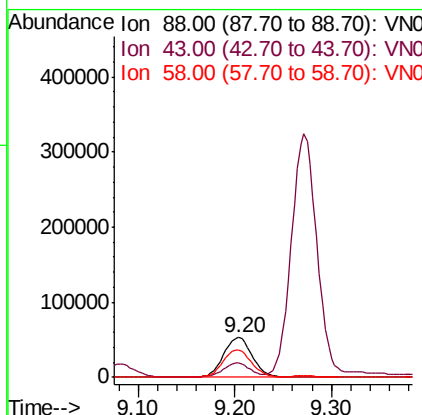
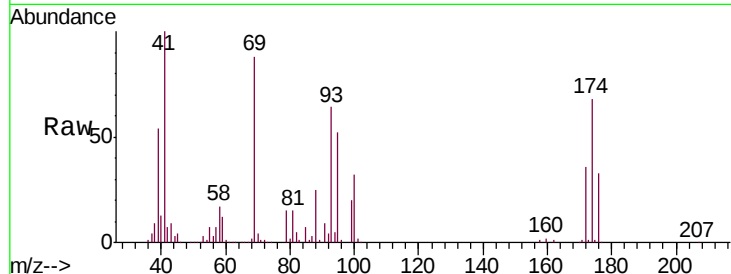
#49
1,4-Dioxane
Concen: 1137.34 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	110001
Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.9	40.3
58	68.8	57.3	85.9

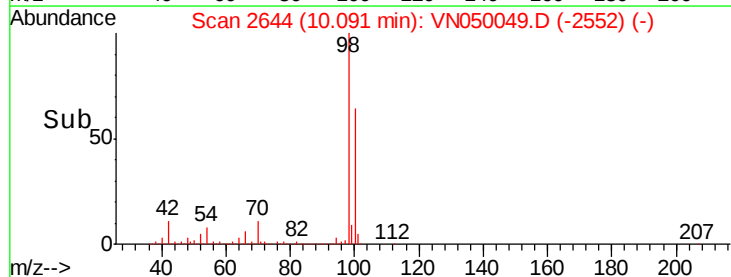
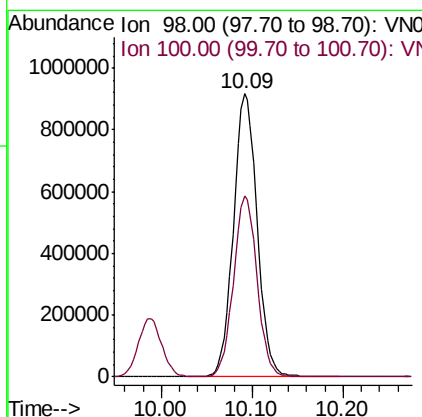
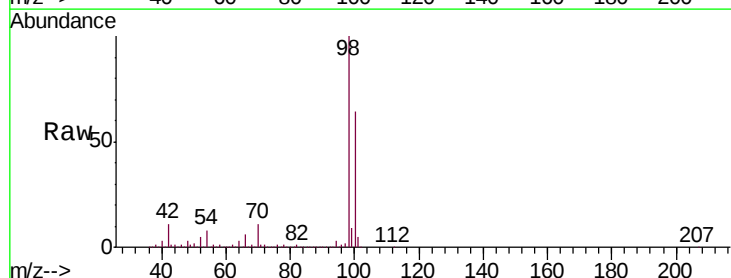
Manual Integrations
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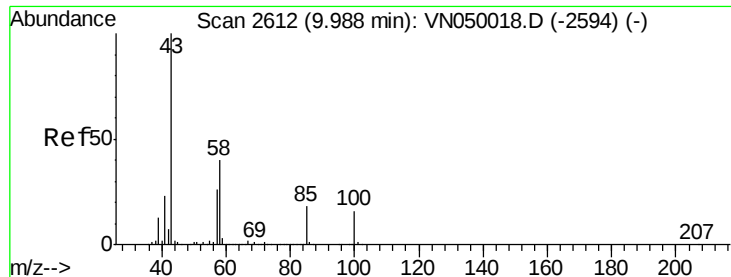
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#50
Toluene-d8
Concen: 52.64 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	98	Resp	1659925
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.7	76.1





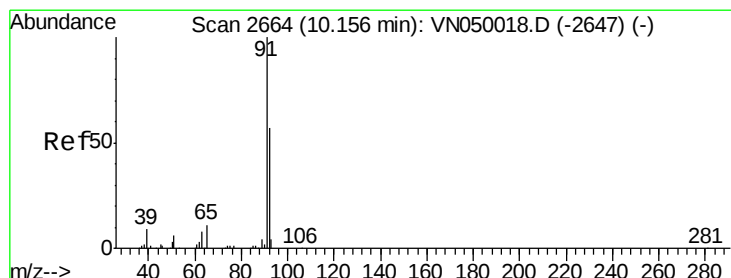
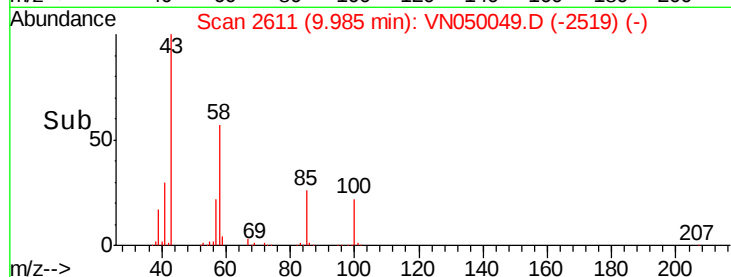
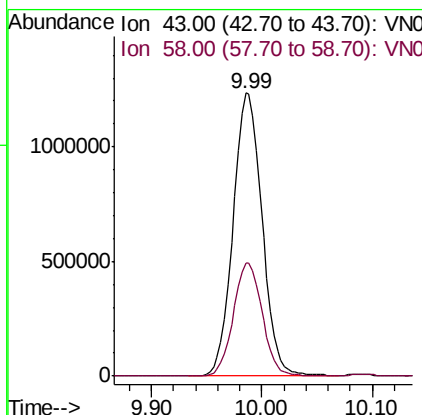
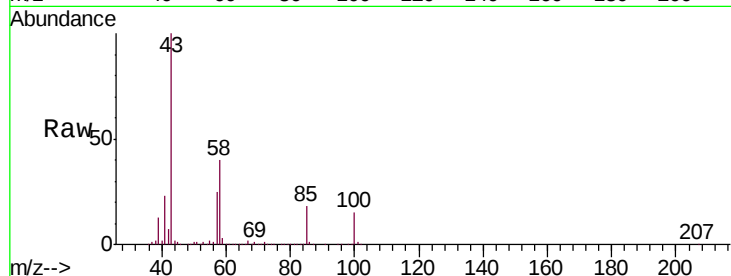
#51
4-Methyl-2-Pentanone
Concen: 277.05 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2247467
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9

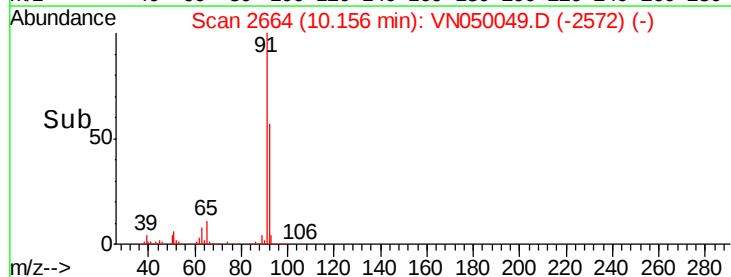
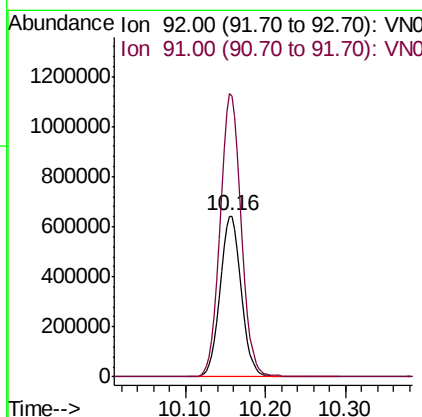
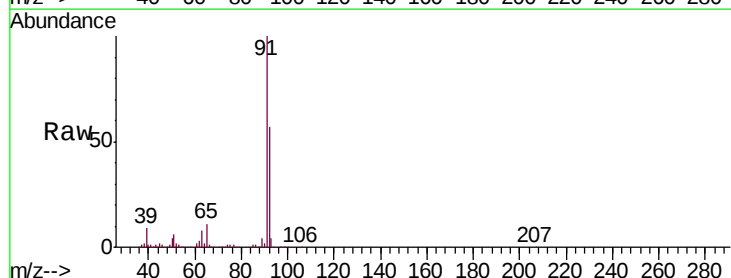
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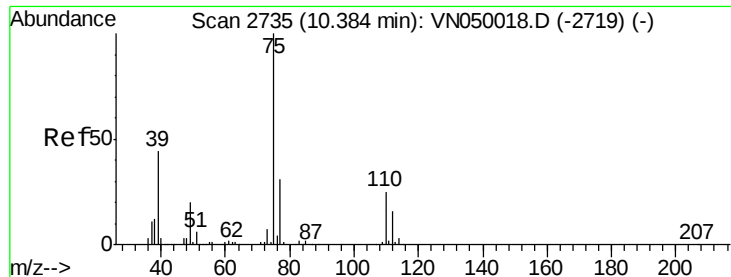
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#52
Toluene
Concen: 55.45 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 92 Resp: 1178858
Ion Ratio Lower Upper
92 100
91 175.2 140.3 210.5





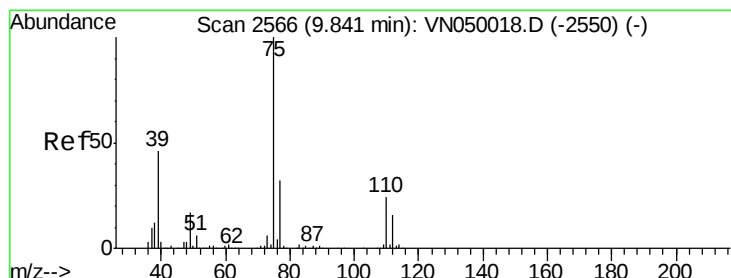
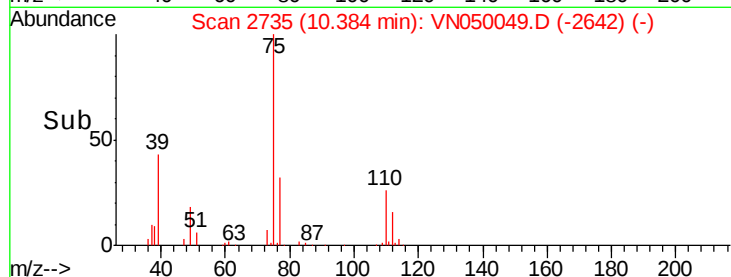
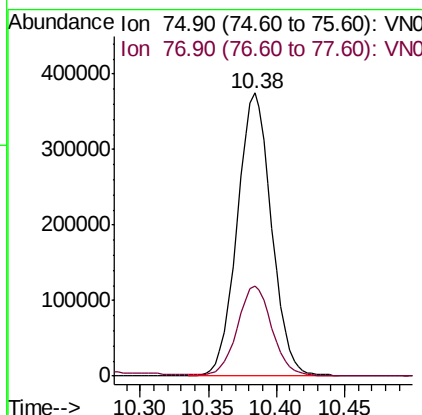
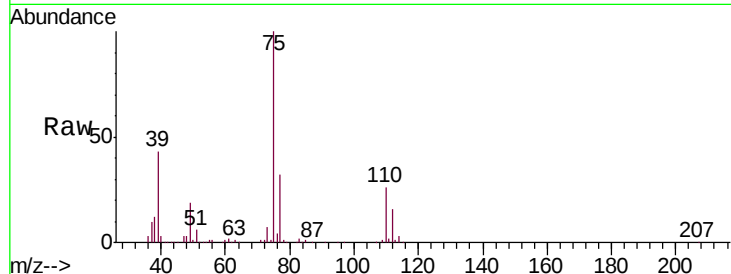
#53
t-1,3-Dichloropropene
Concen: 55.45 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 654146
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

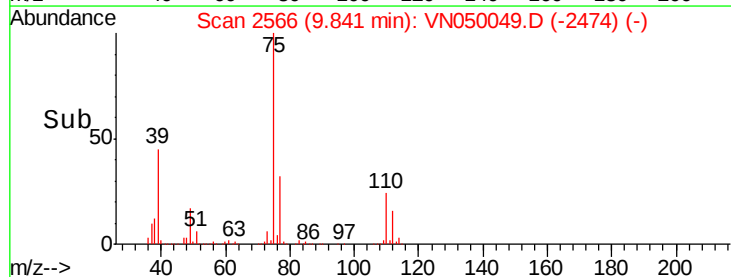
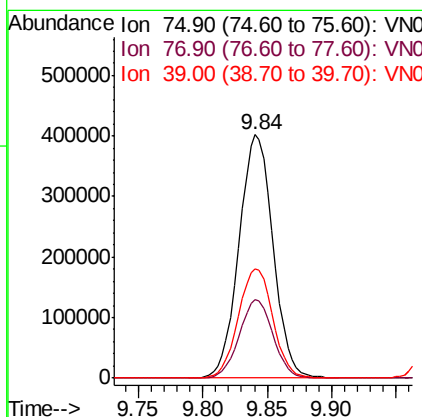
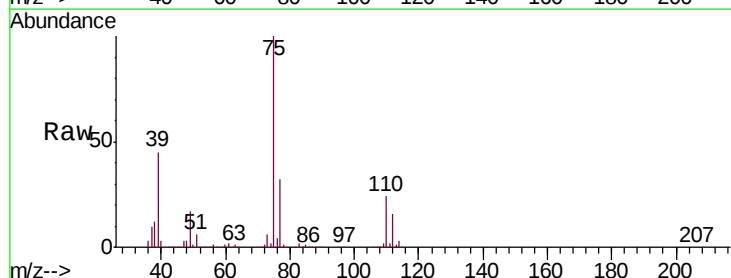
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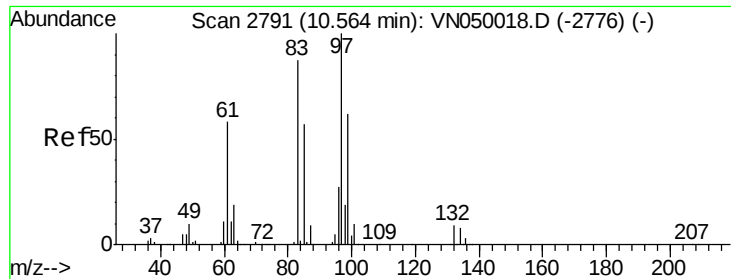
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#54
cis-1,3-Dichloropropene
Concen: 54.84 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 75 Resp: 739365
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 45.0 36.6 55.0





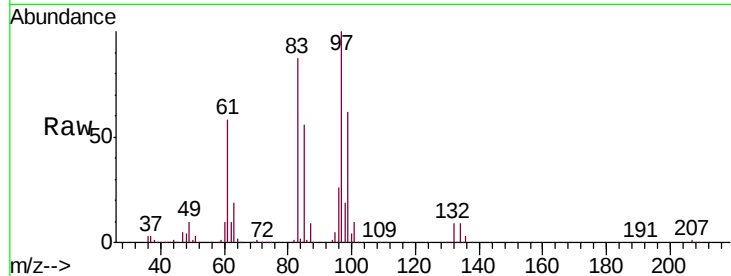
#55
 1,1,2-Trichloroethane
 Concen: 52.52 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	442852		
83	87.1	69.2	103.8	
85	55.9	44.0	66.0	
99	62.3	49.9	74.9	

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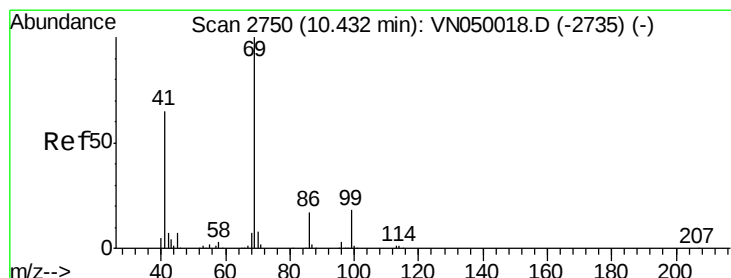
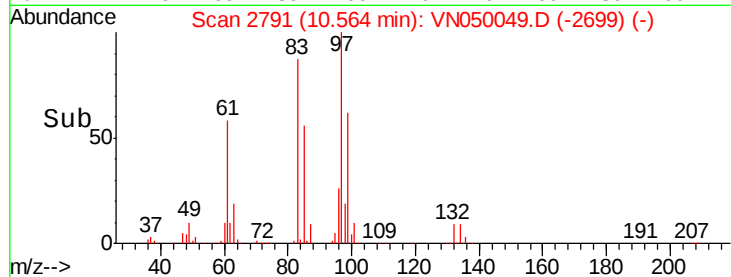
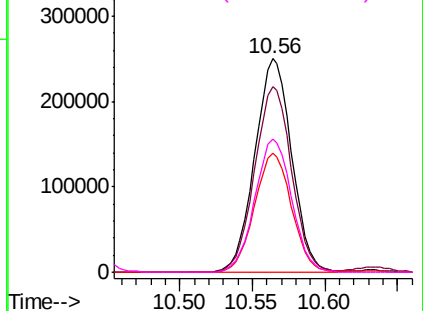
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

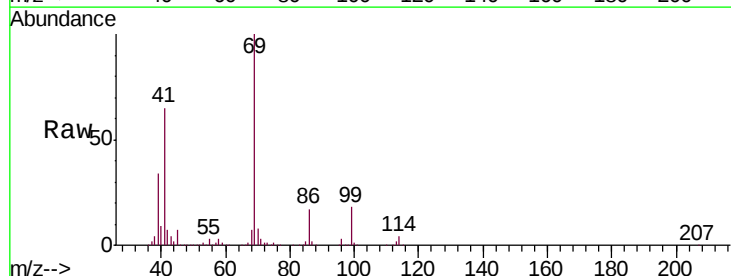
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 50.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	583002		
41	63.6	51.0	76.4	
39	33.2	26.6	40.0	

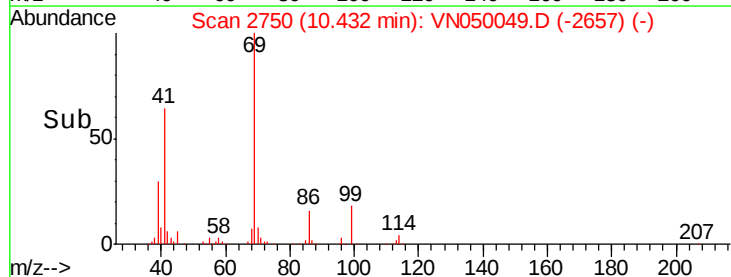
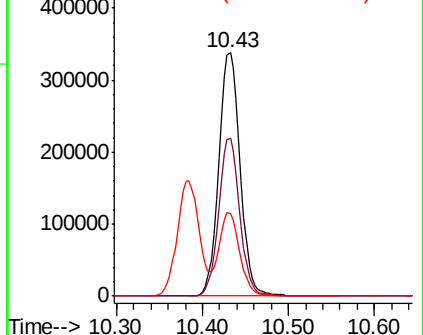


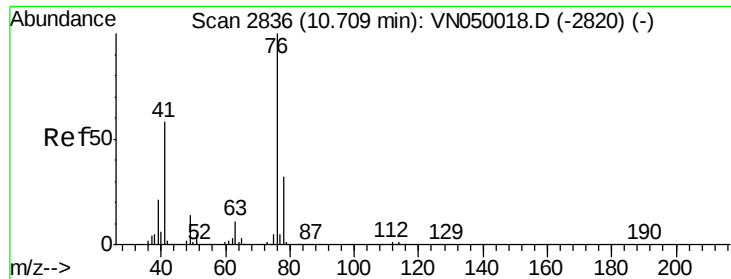
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





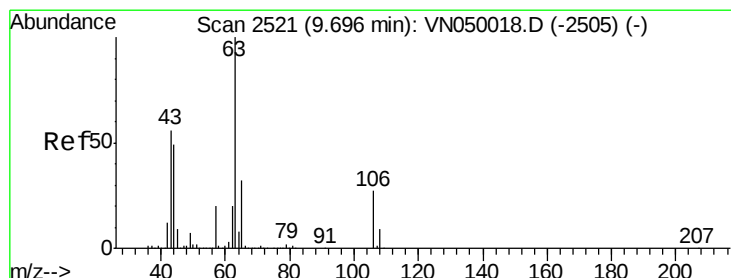
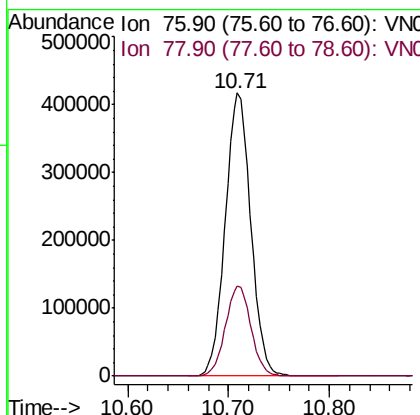
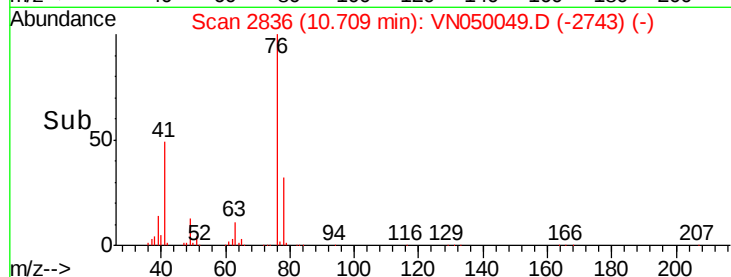
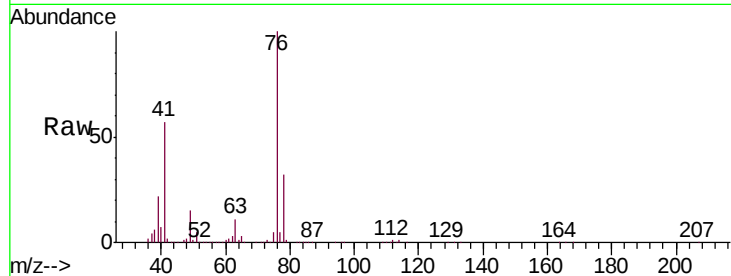
#57
 1,3-Dichloropropane
 Concen: 53.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 737062
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

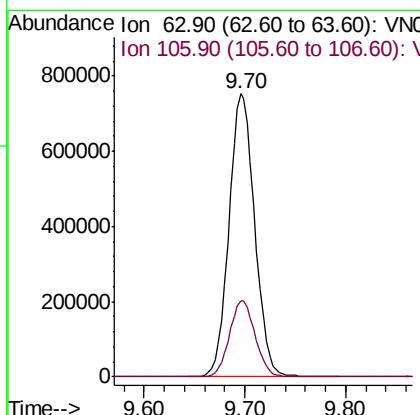
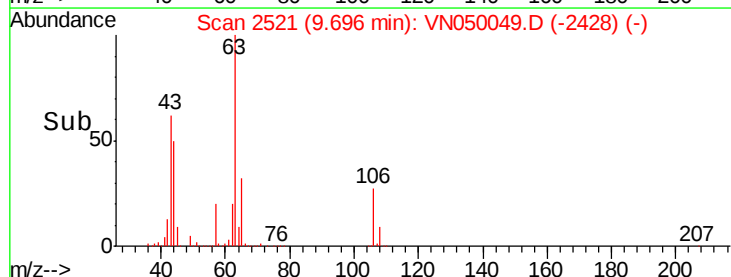
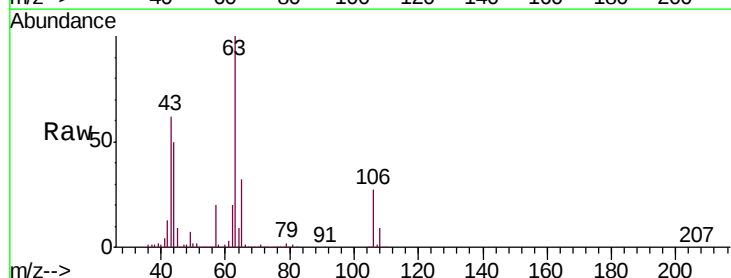
Manual Integrations
 APPROVED

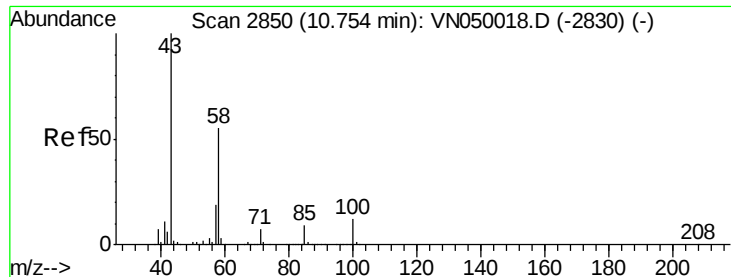
MMDadoda
 7/26/2018 3:54:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.47 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 63 Resp: 1336832
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





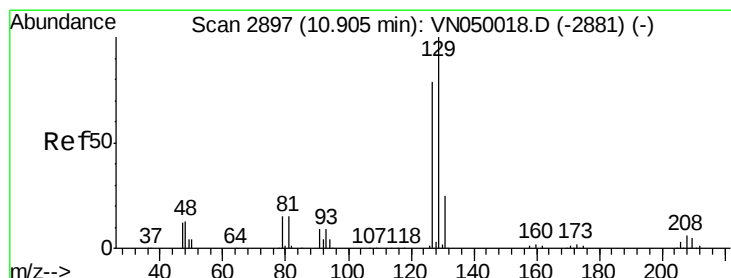
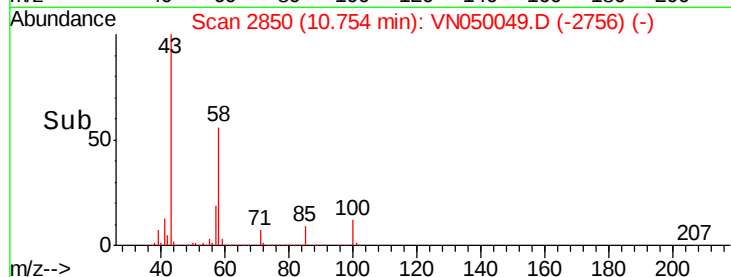
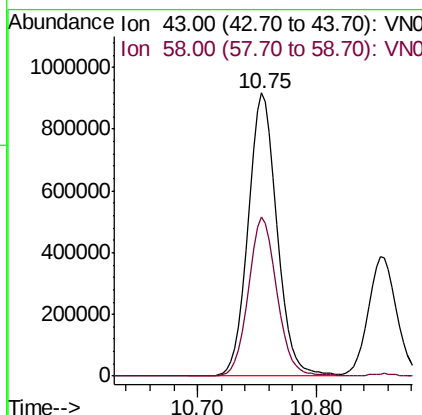
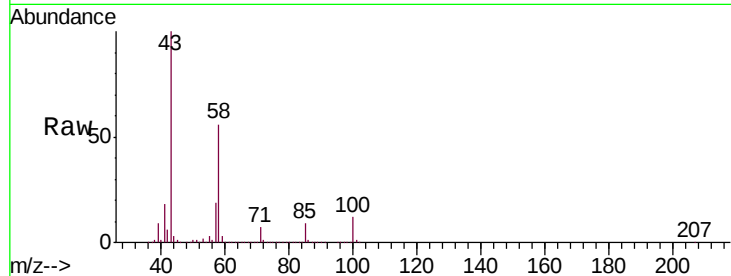
#59
2-Hexanone
Concen: 257.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1537506
Ion Ratio Lower Upper
43 100
58 55.7 27.6 82.7

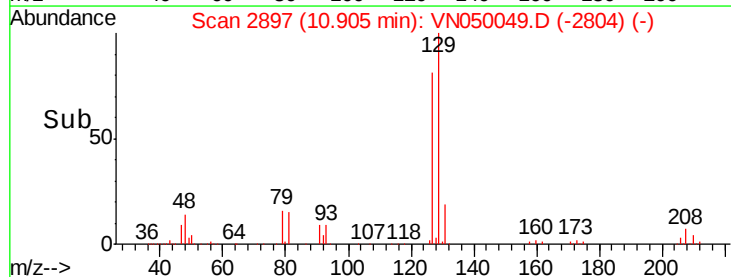
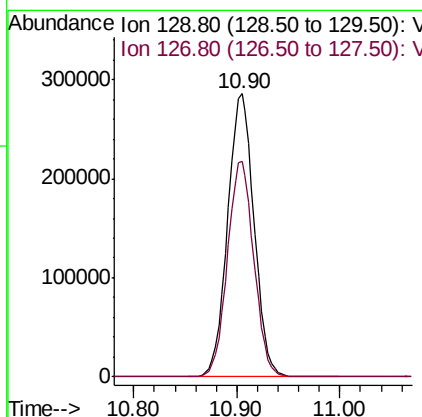
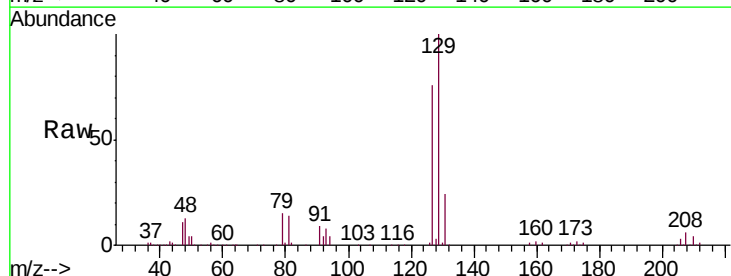
Manual Integrations
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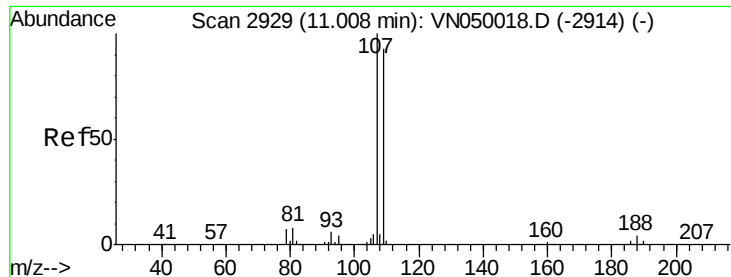
MMDadoda
7/26/2018 3:54:42 PM



#60
Dibromochloromethane
Concen: 54.62 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 129 Resp: 509963
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.85 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 442164

Ion Ratio Lower Upper

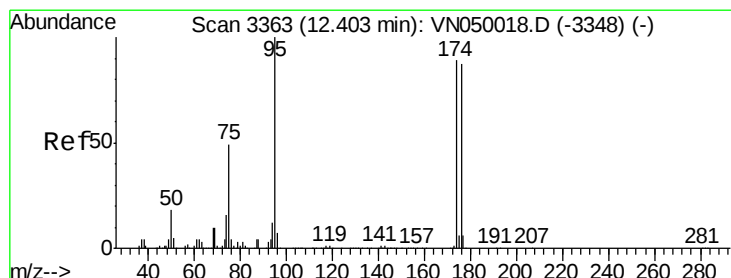
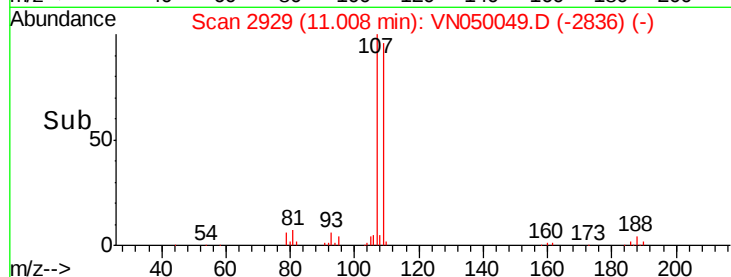
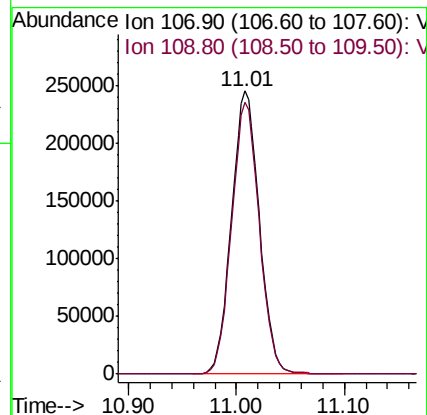
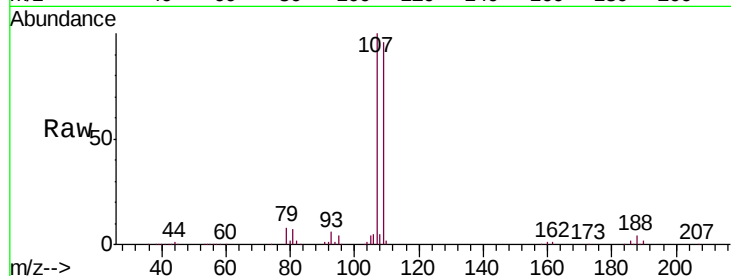
107 100

109 95.4 74.6 112.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 54.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

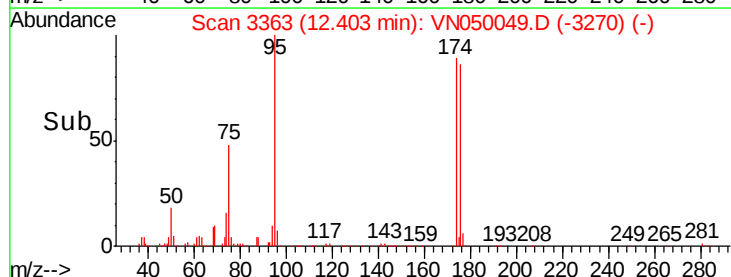
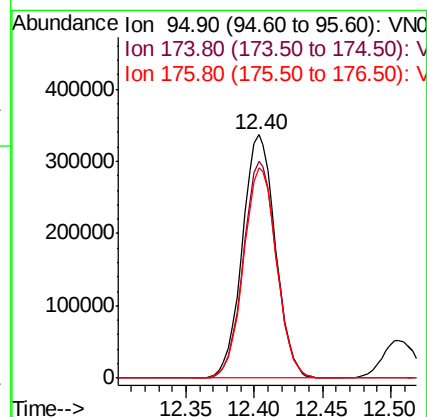
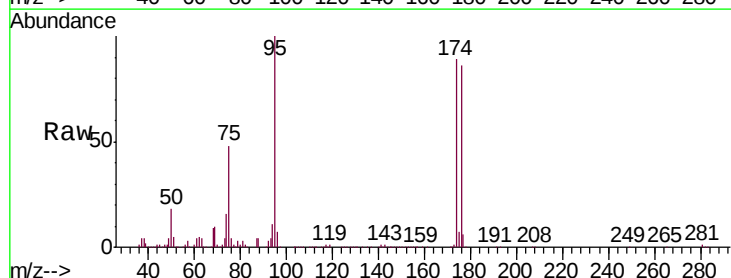
Tgt Ion: 95 Resp: 566270

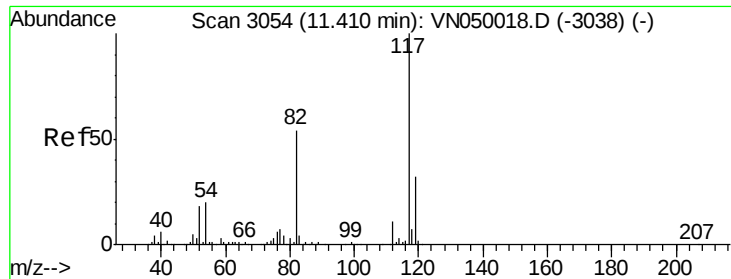
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.2

176 86.4 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

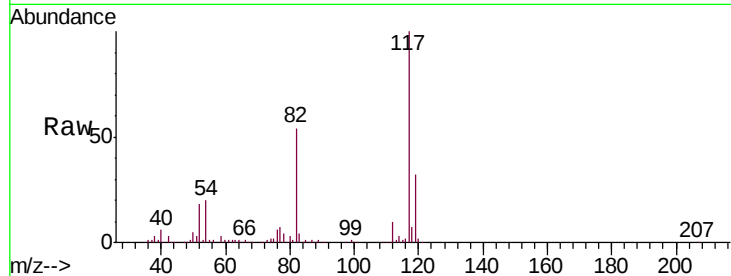
ClientSampleId :

VSTDCCC050

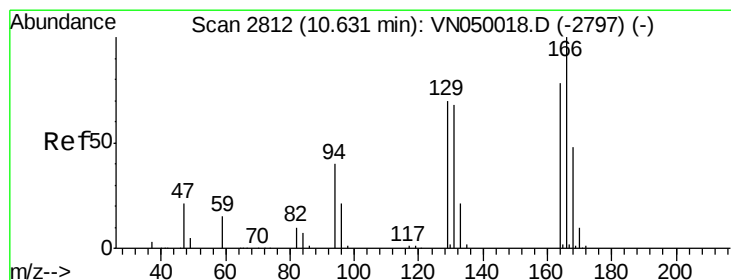
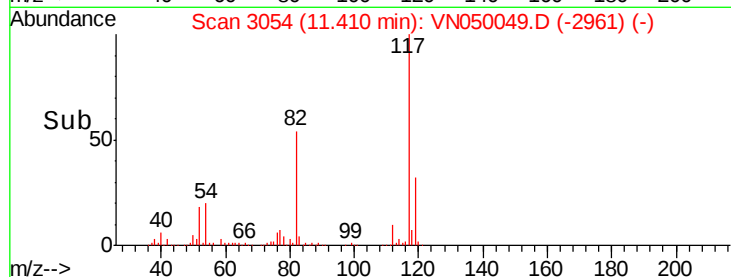
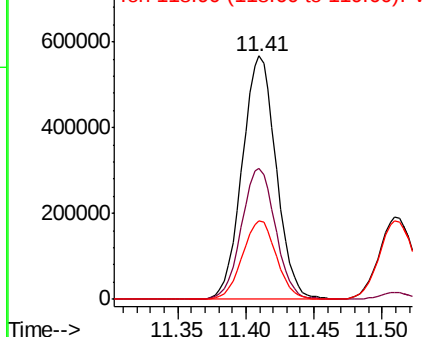
Tot Ion:	117	Resp:	980238
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.7	65.5
119	32.3	26.1	39.1

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.18 ug/l

RT: 10.63 min Scan# 2813

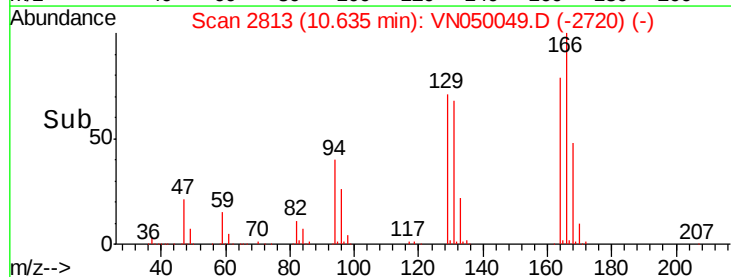
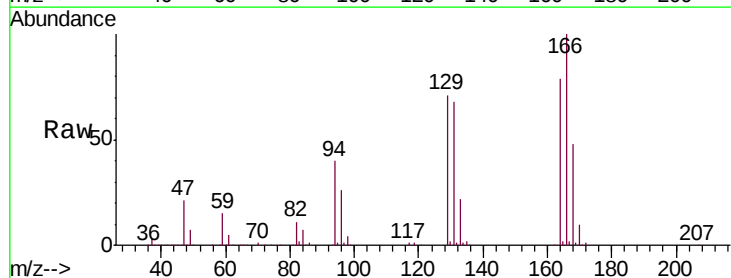
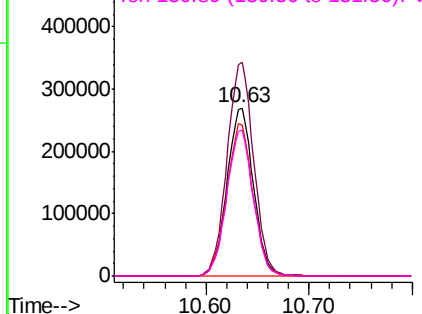
Delta R.T. 0.00 min

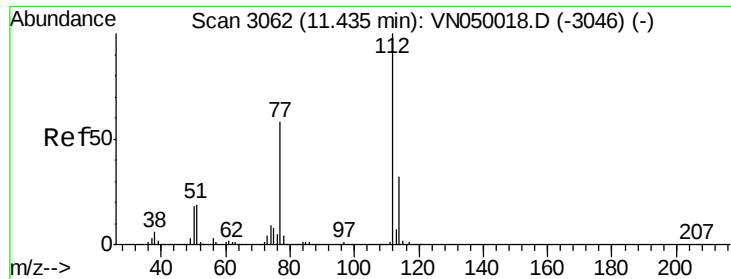
Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	164	Resp:	482346
Ion Ratio	Lower	Upper	
164	100		
166	127.3	102.1	153.1
129	90.4	73.2	109.8
131	87.0	70.6	106.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





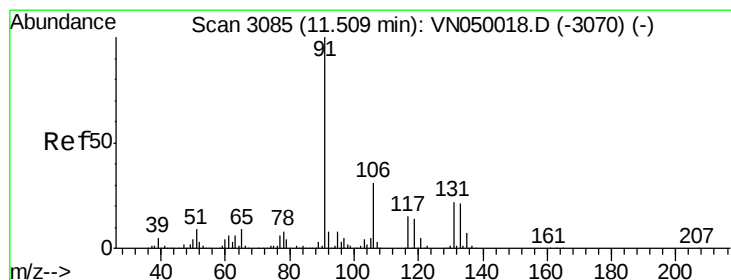
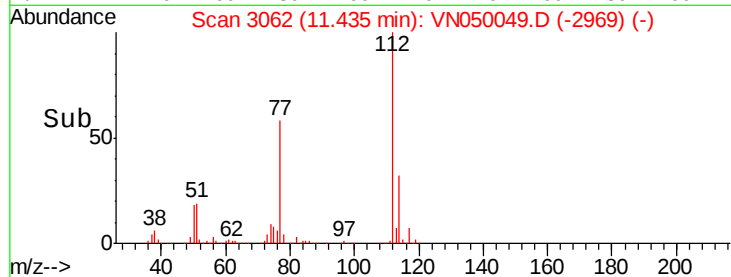
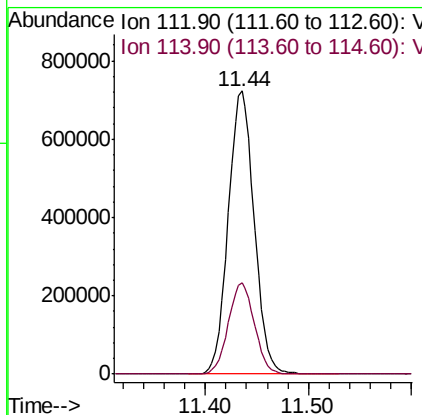
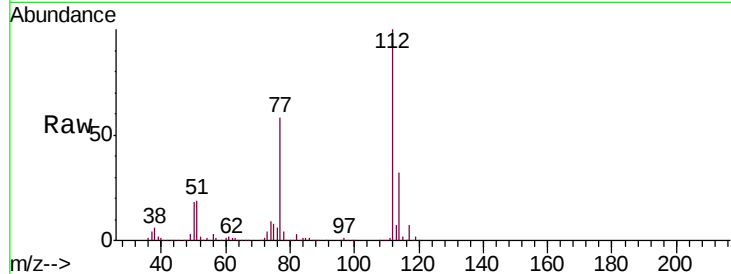
#65
Chlorobenzene
Concen: 51.12 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1265801
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

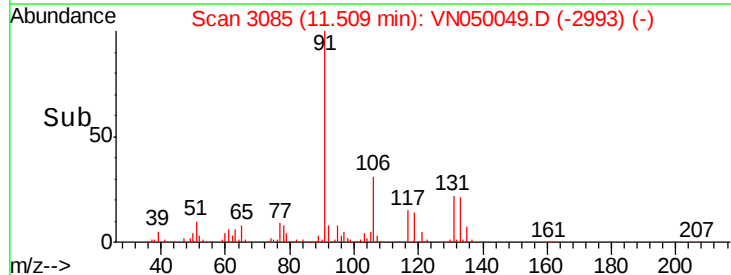
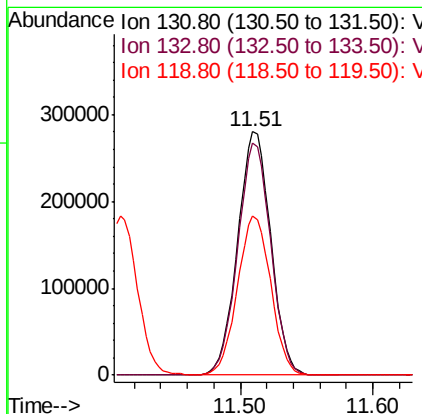
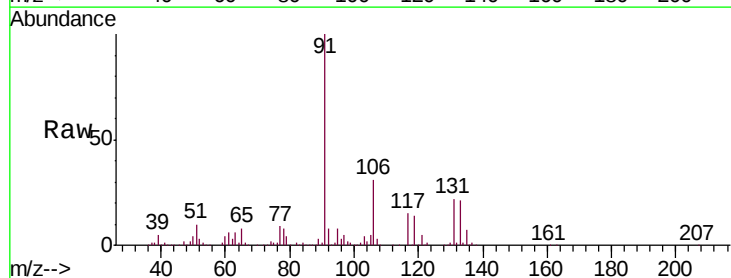
Manual Integrations
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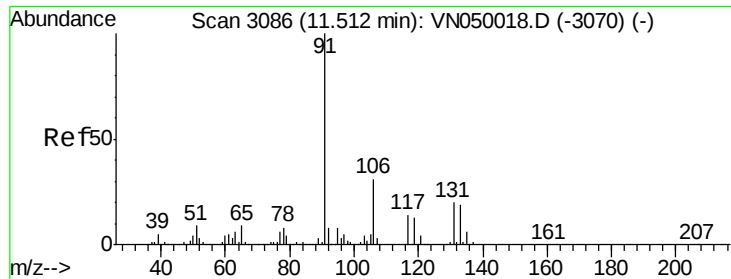
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.13 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion:131 Resp: 486394
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.8 32.9 98.7





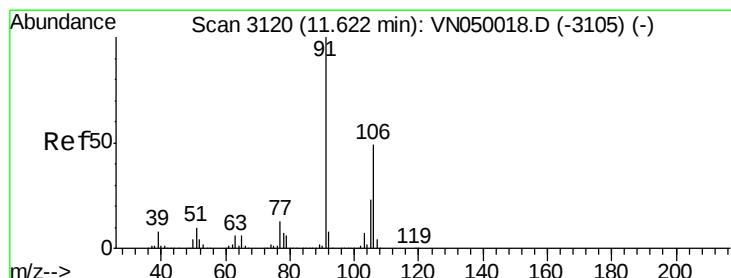
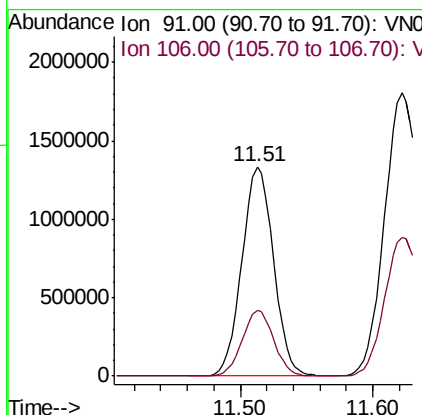
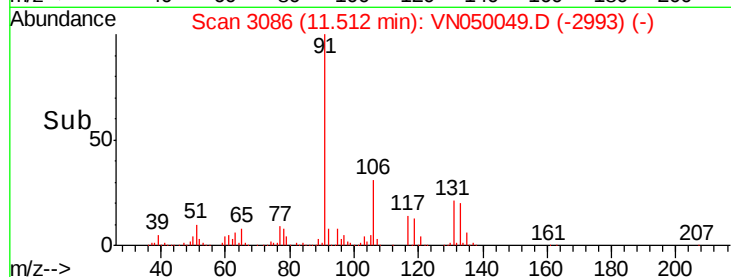
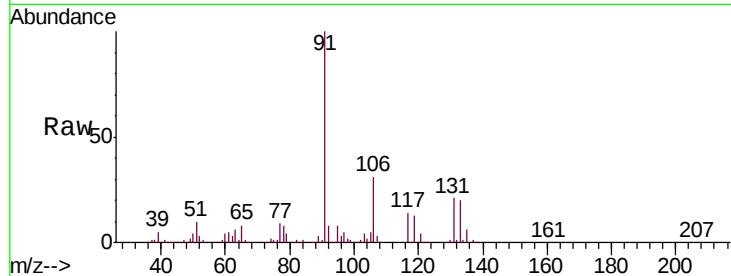
#67
Ethyl Benzene
Concen: 55.67 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2214164
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

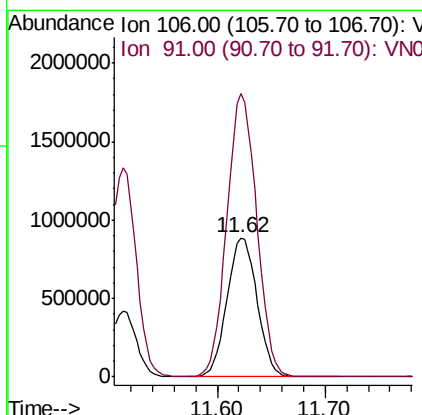
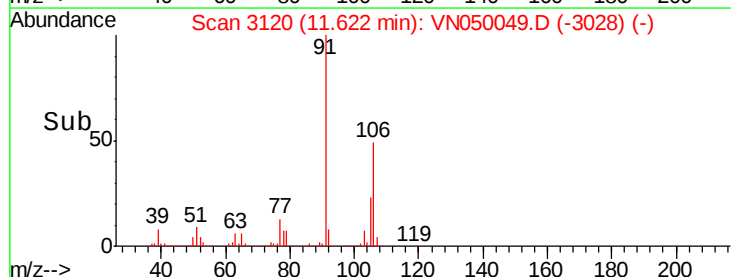
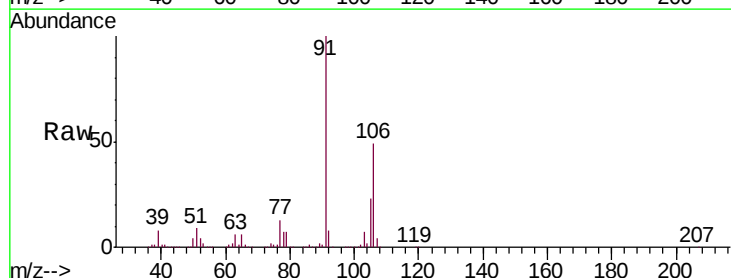
Manual Integrations
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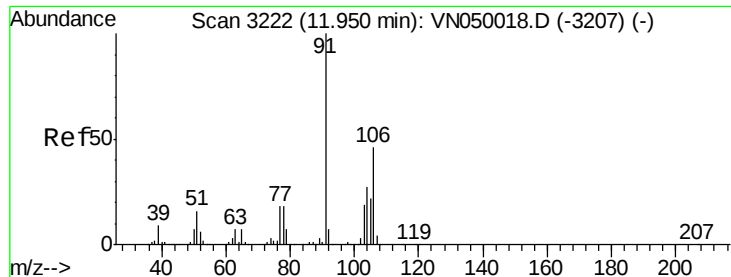
MMDadoda
7/26/2018 3:54:42 PM



#68
m/p-Xylenes
Concen: 114.13 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 106 Resp: 1716967
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2





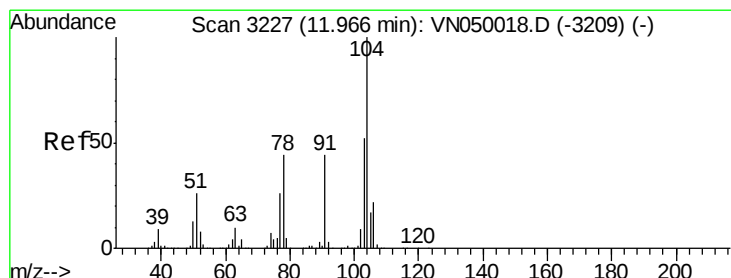
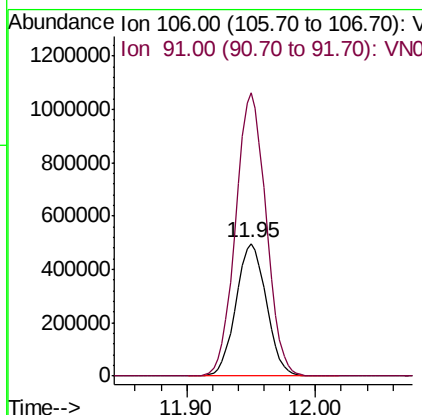
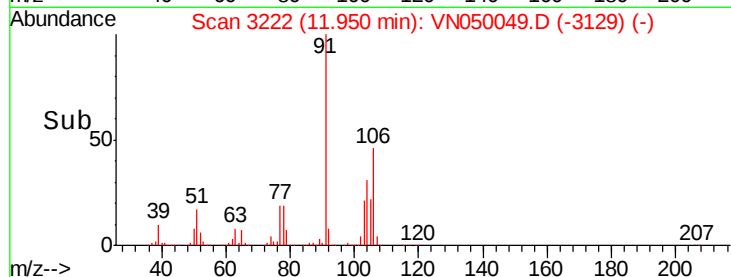
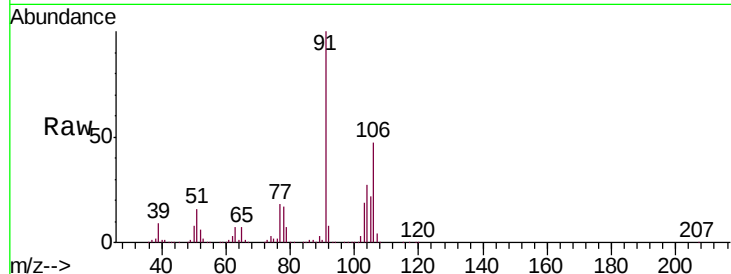
#69
o-Xylene
Concen: 57.05 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 818233
Ion Ratio Lower Upper
106 100
91 213.1 107.7 323.1

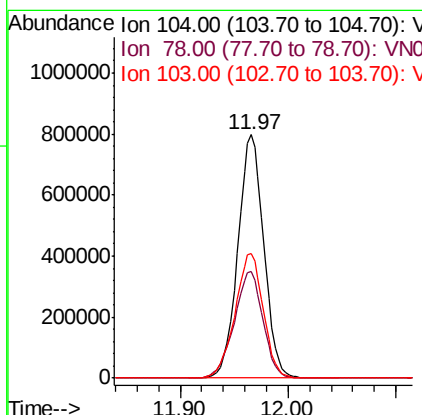
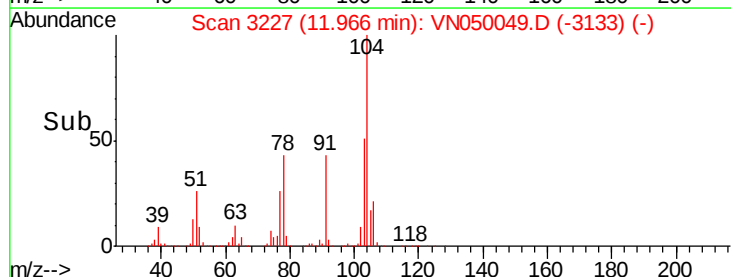
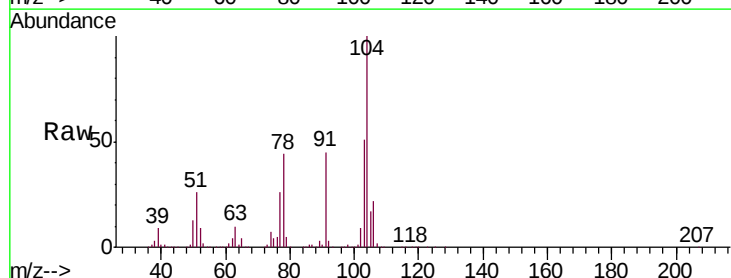
Manual Integrations
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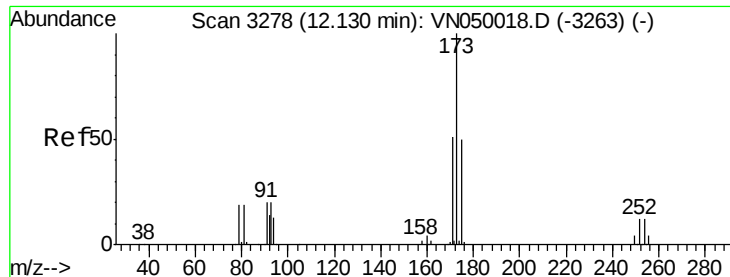
MMDadoda
7/26/2018 3:54:42 PM



#70
Styrene
Concen: 52.28 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion:104 Resp: 1334677
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 55.7 45.0 67.6





#71

Bromoform

Concen: 52.42 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 362798

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.2

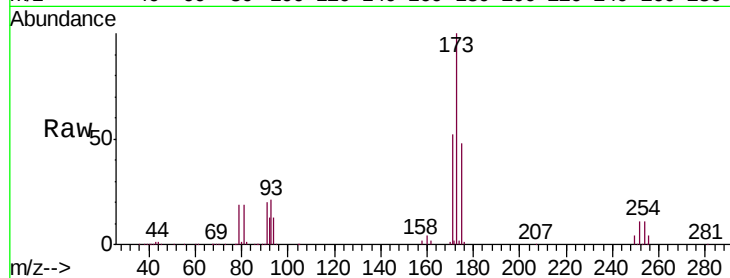
254 0.2 0.2 0.2#

Manual Integrations

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MMDadoda

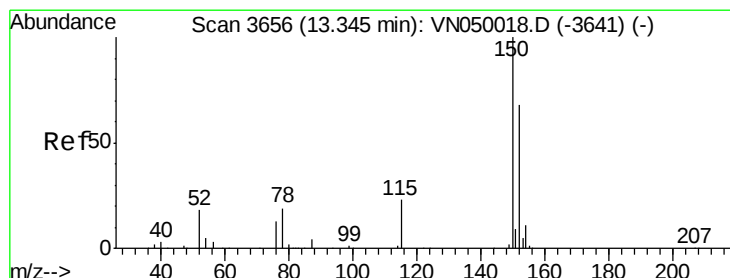
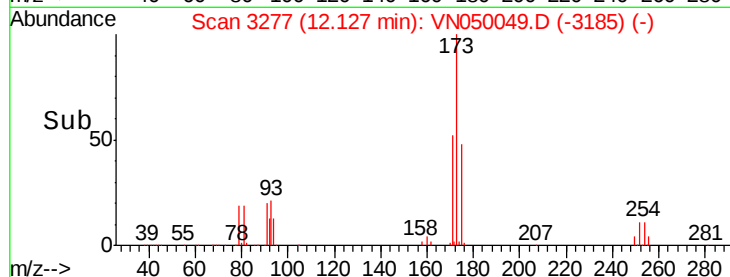
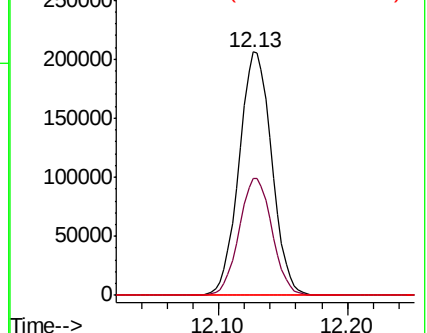
7/26/2018 3:54:42 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

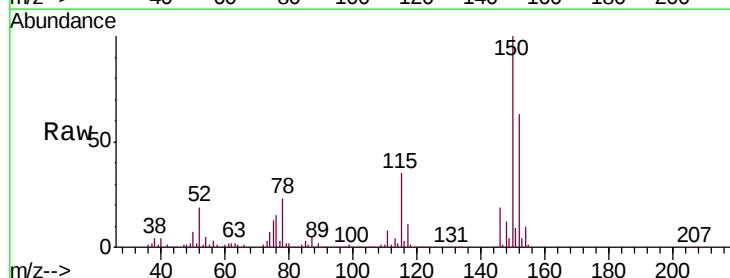
Tgt Ion:152 Resp: 532702

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

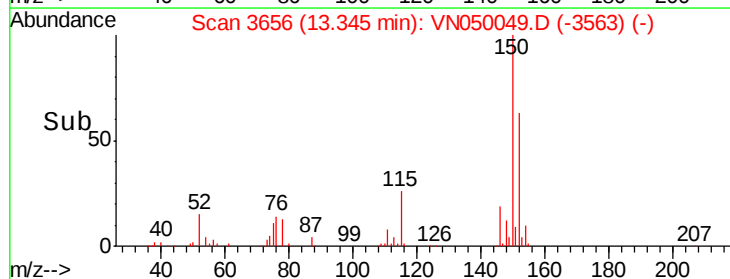
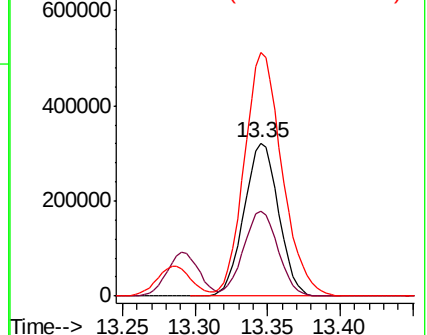
150 174.5 0.0 348.6

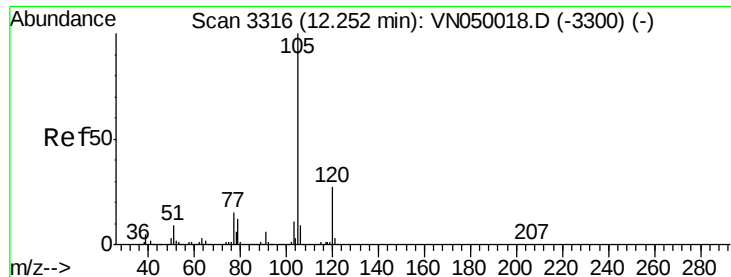


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.91 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 2186010

Ion Ratio Lower Upper

105 100

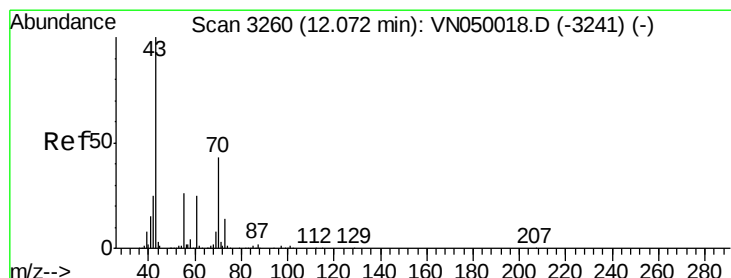
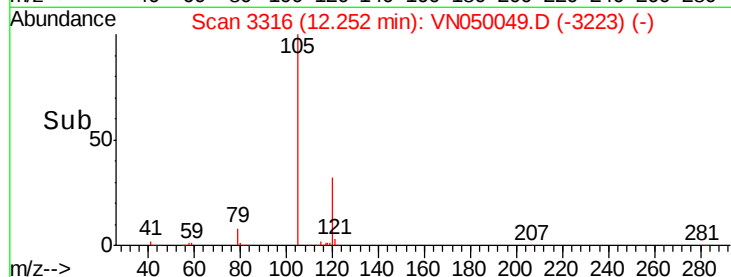
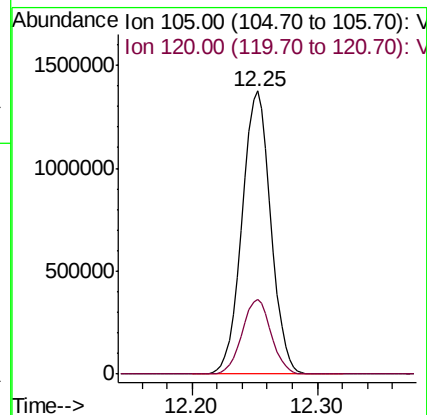
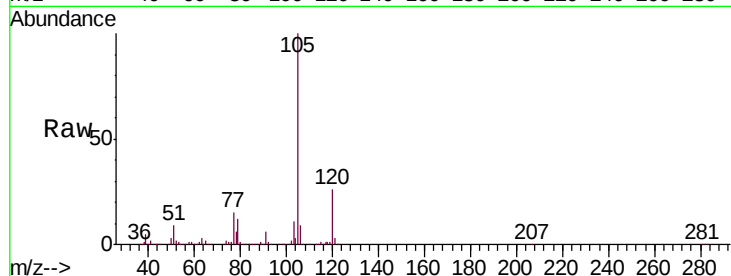
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.20 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion: 43 Resp: 659060

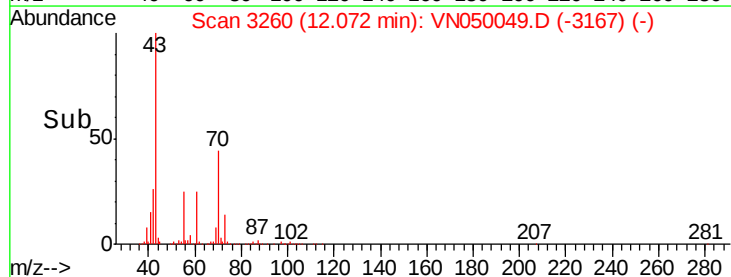
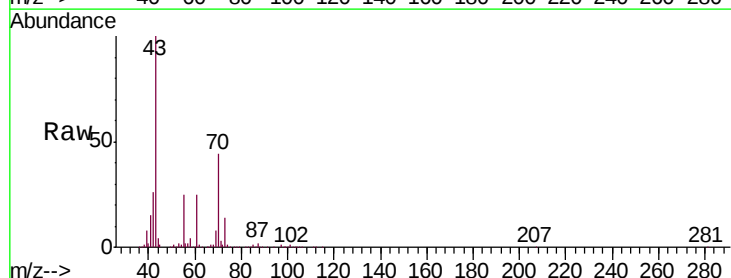
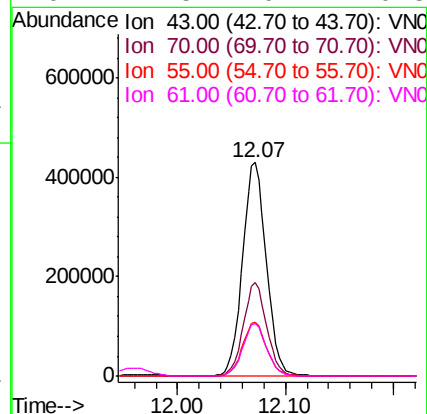
Ion Ratio Lower Upper

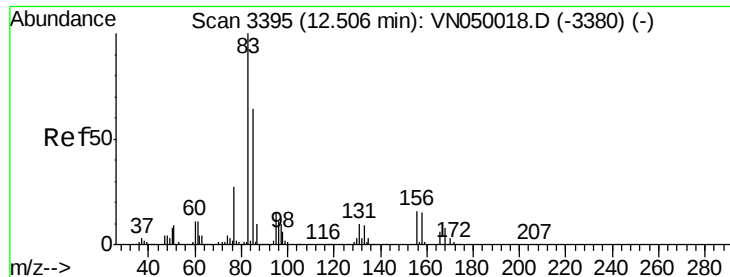
43 100

70 43.1 34.4 51.6

55 25.7 20.8 31.2

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.86 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

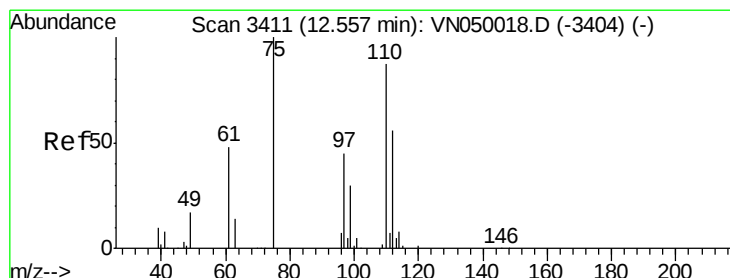
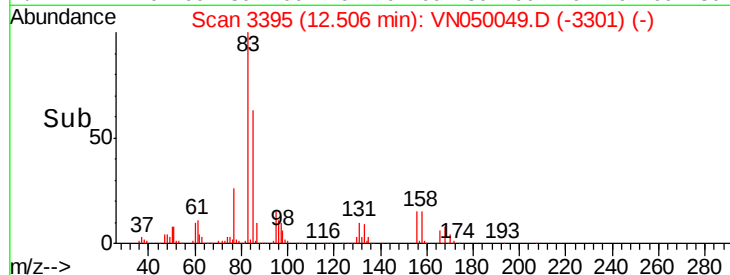
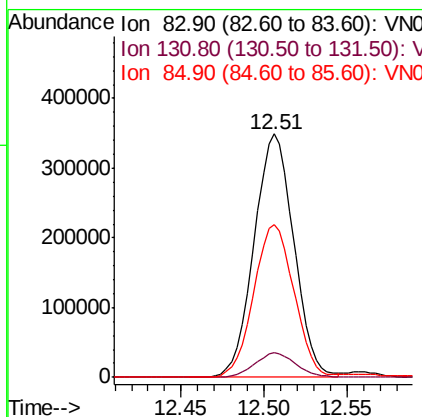
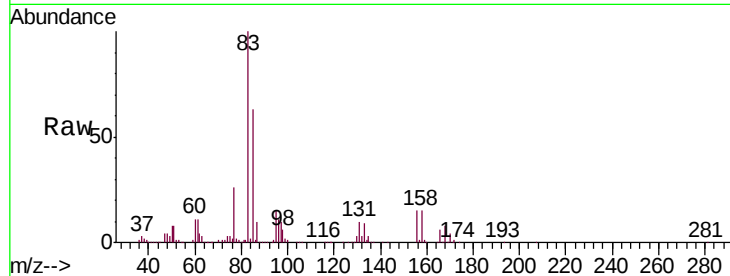
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	582131
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	63.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.01 ug/l m

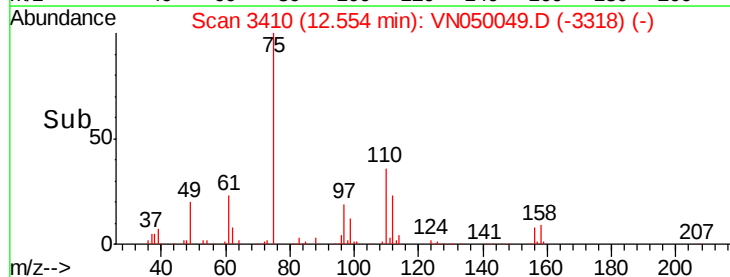
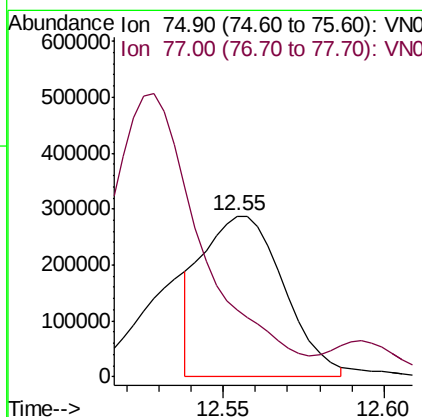
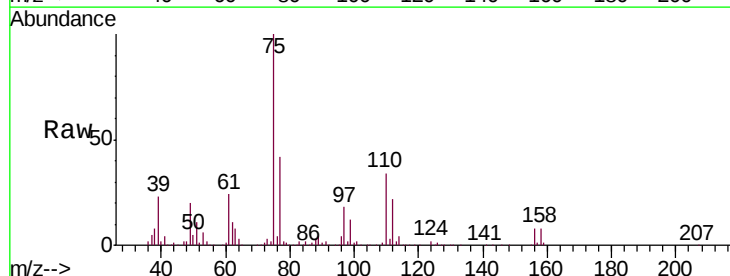
RT: 12.55 min Scan# 3410

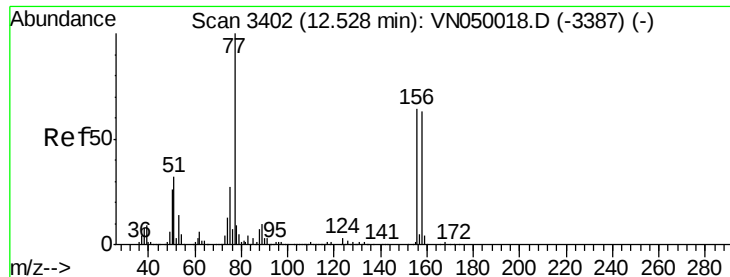
Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	75	Resp:	504984
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.22 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

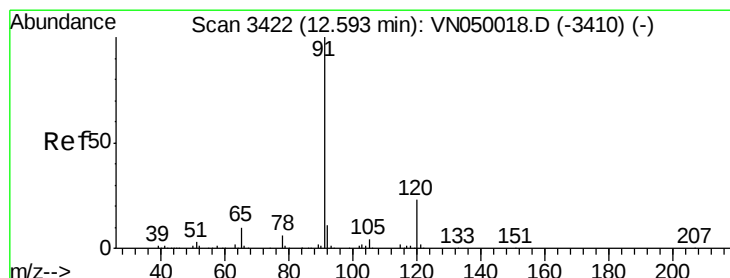
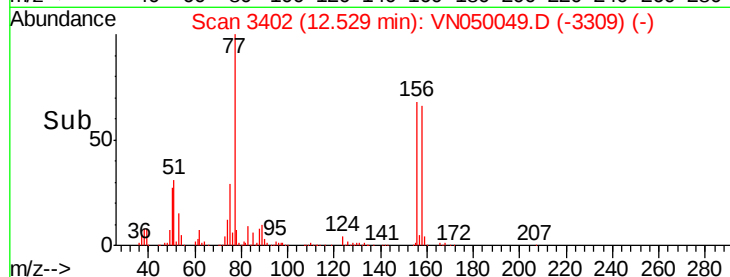
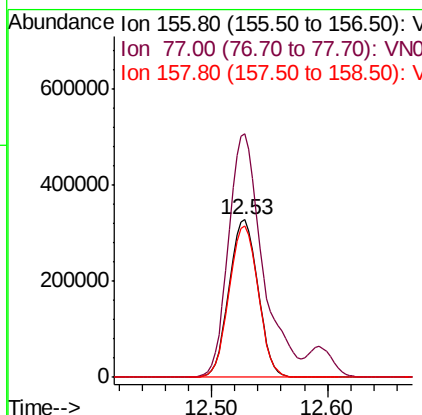
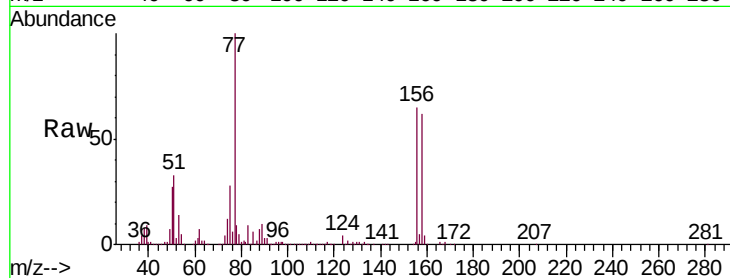
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	563592
Ion	Ratio	Lower	Upper
156	100		
77	182.4	91.7	275.1
158	96.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 54.93 ug/l

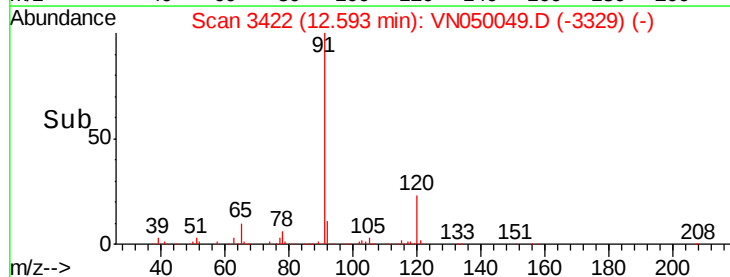
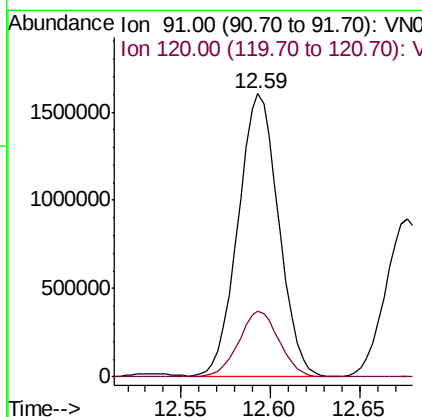
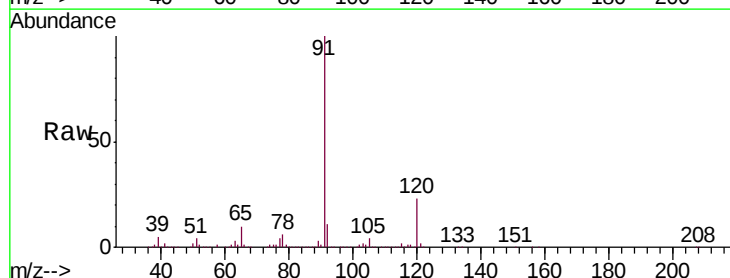
RT: 12.59 min Scan# 3422

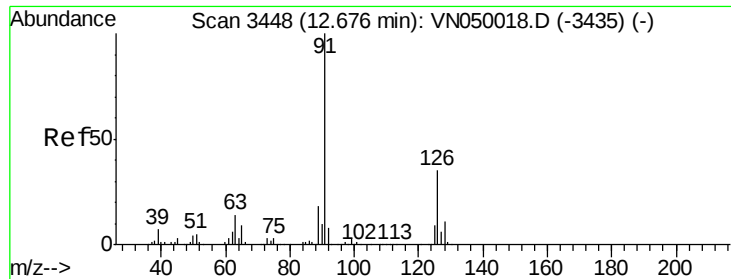
Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion:	91	Resp:	2536581
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.7





#79

2-Chlorotoluene

Concen: 52.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1497426

Ion Ratio Lower Upper

91 100

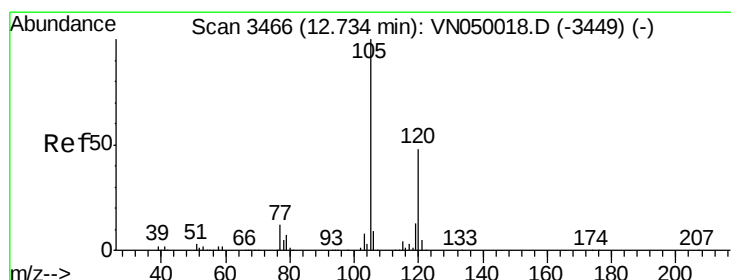
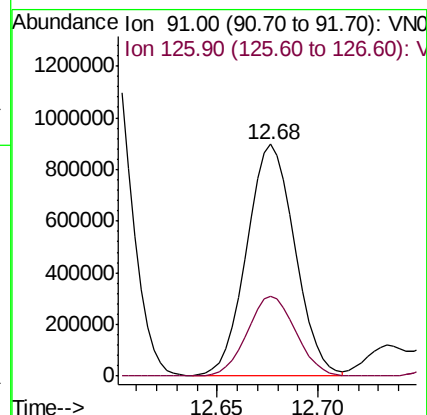
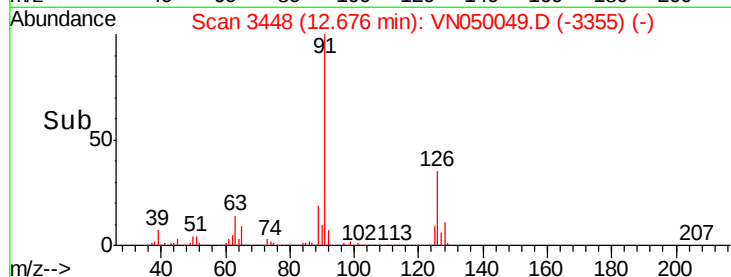
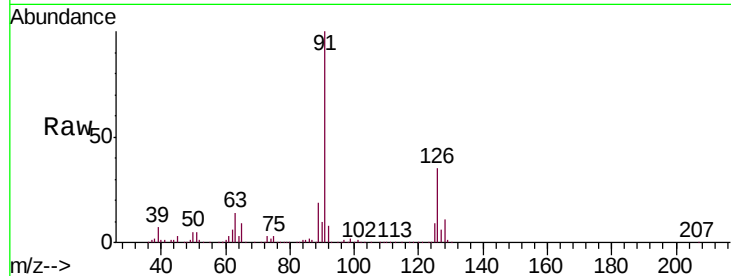
126 34.8 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050049.D

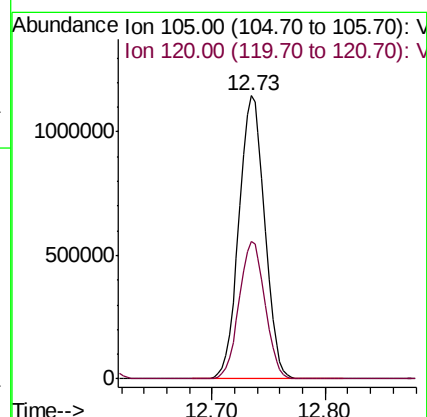
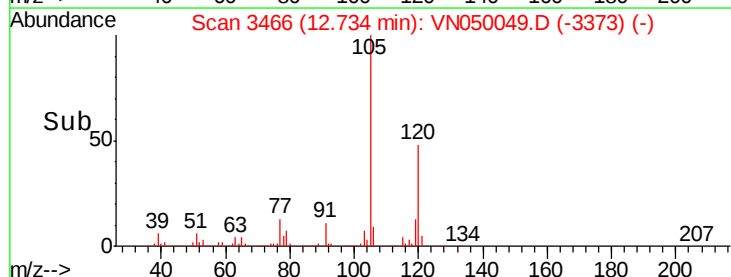
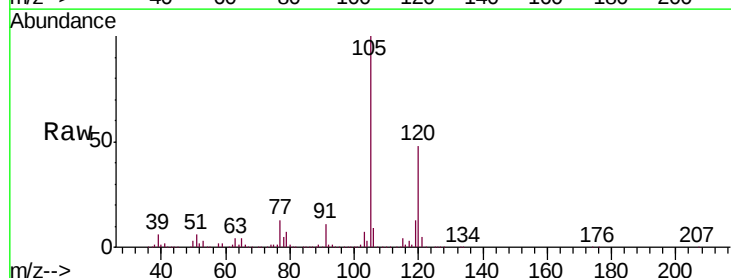
Acq: 25 Jul 2018 17:41

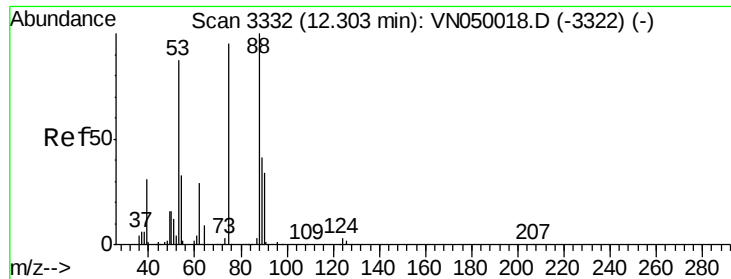
Tgt Ion: 105 Resp: 1816949

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





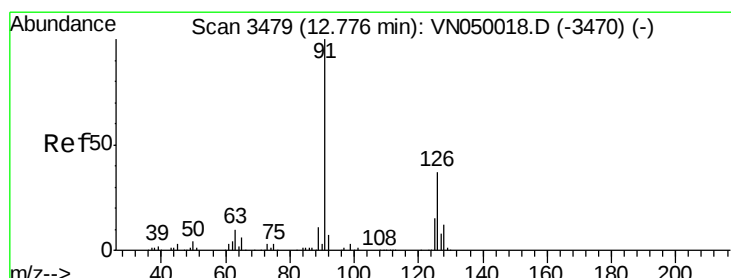
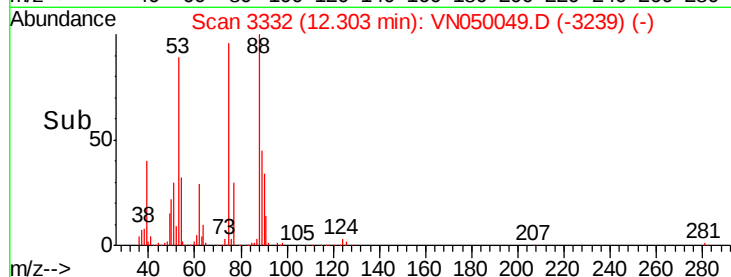
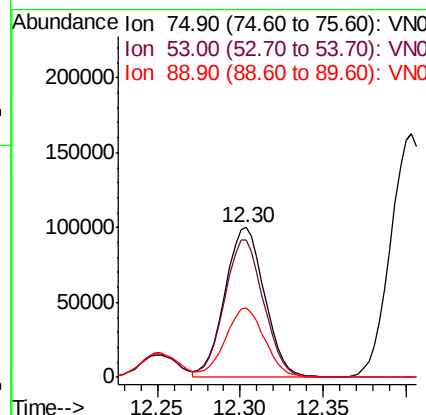
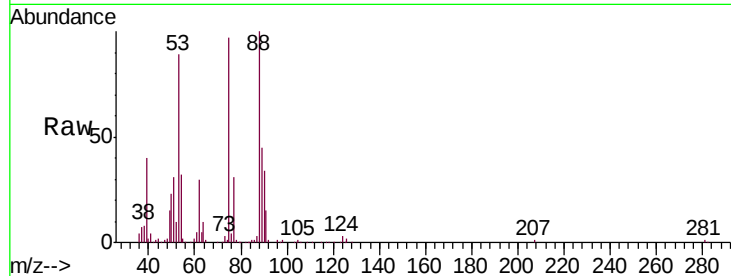
#81
trans-1,4-Dichloro-2-butene
Concen: 53.55 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	73.5	110.3
89	45.7	36.0	54.0

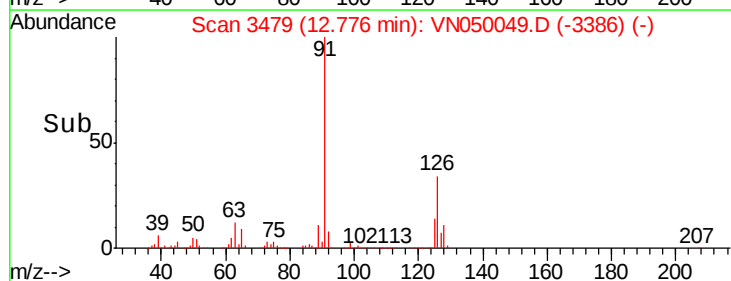
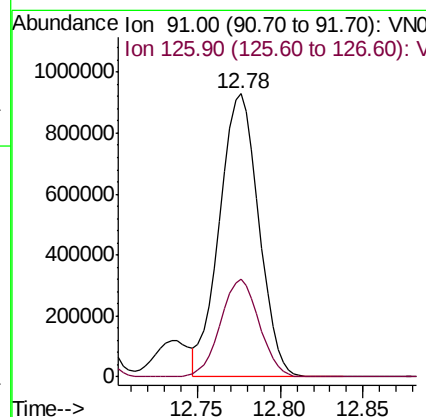
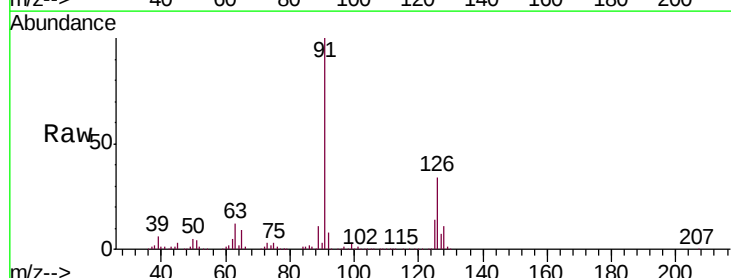
Manual Integrations
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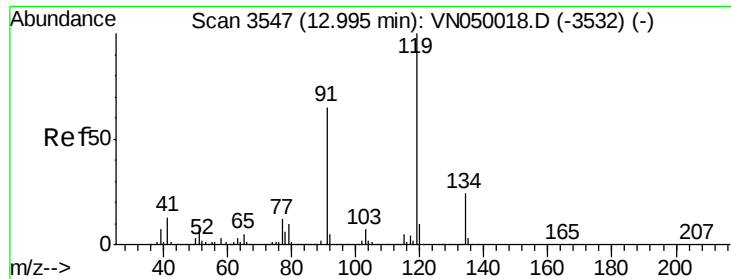
MMDadoda
7/26/2018 3:54:42 PM



#82
4-Chlorotoluene
Concen: 53.92 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0





#83

tert-Butylbenzene

Concen: 54.64 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

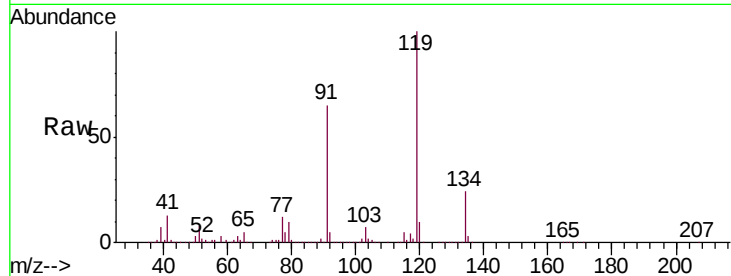
VSTDCCC050

Tot Ion:119 Resp: 1549652

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	26.4	13.2	39.5

Manual Integrations
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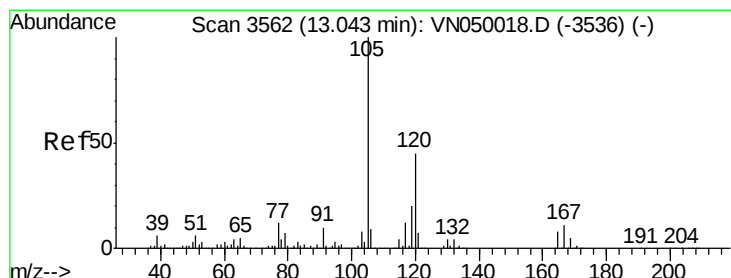
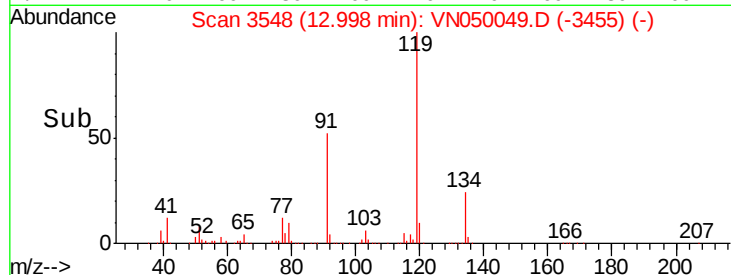
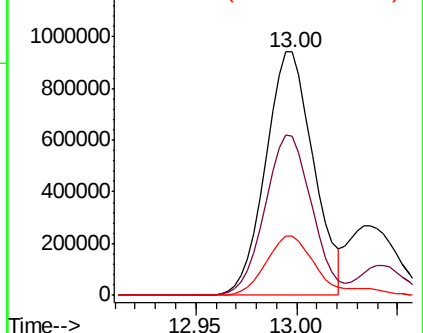
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.11 ug/l

RT: 13.04 min Scan# 3562

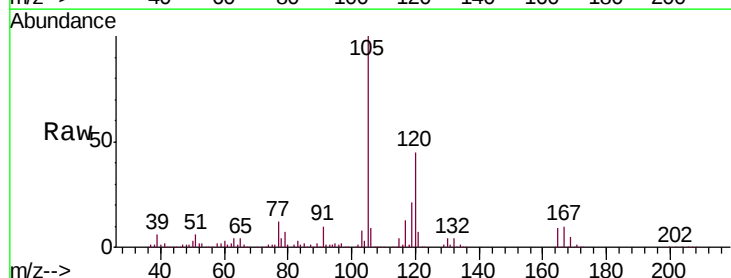
Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

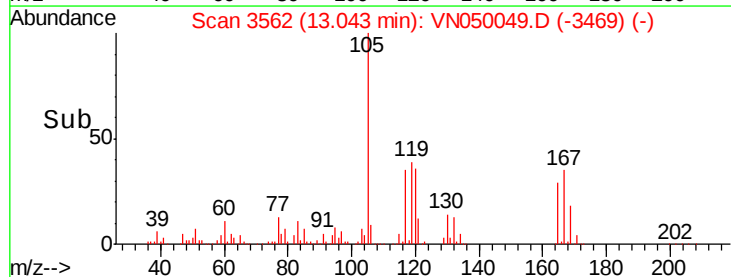
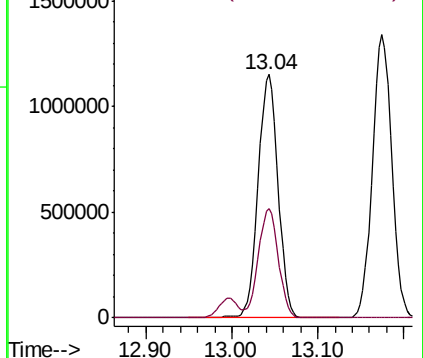
Tgt Ion:105 Resp: 1870537

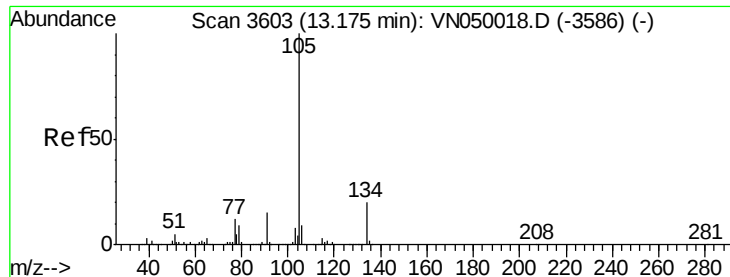
Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.44 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2100843

Ion Ratio Lower Upper

105 100

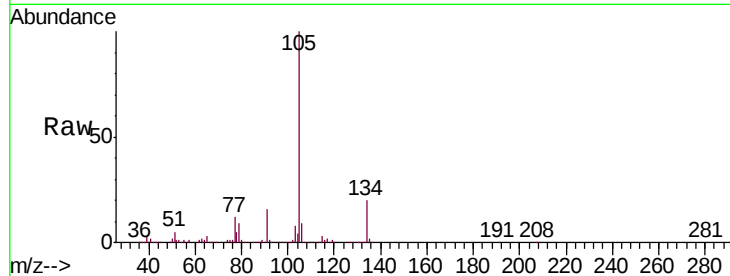
134 20.1 10.1 30.1

Manual Integrations

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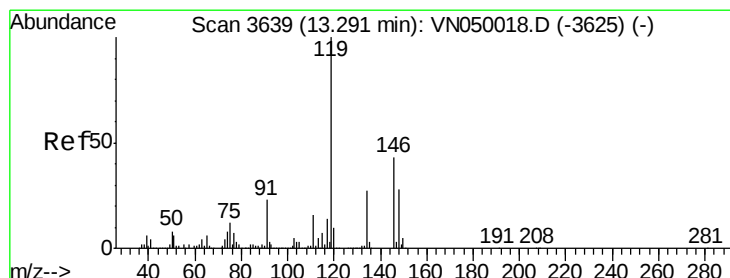
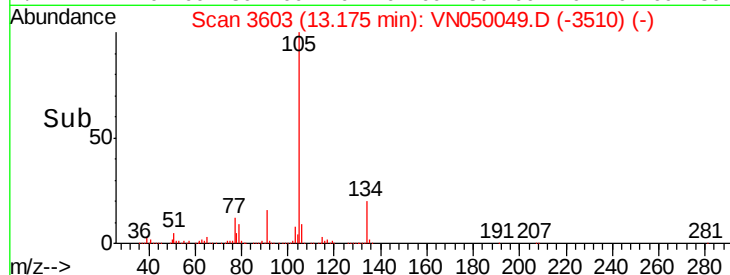
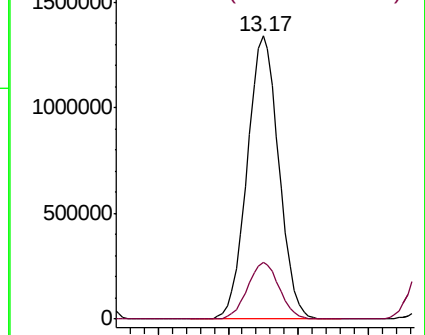
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.98 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

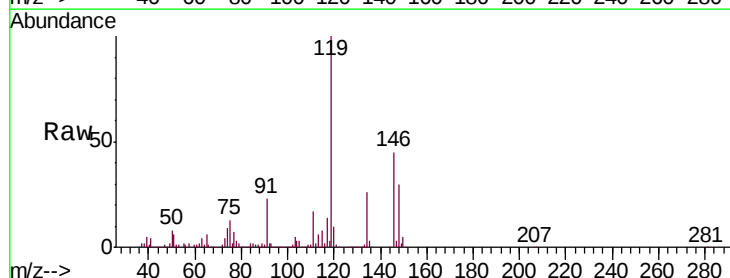
Tgt Ion:119 Resp: 1851228

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

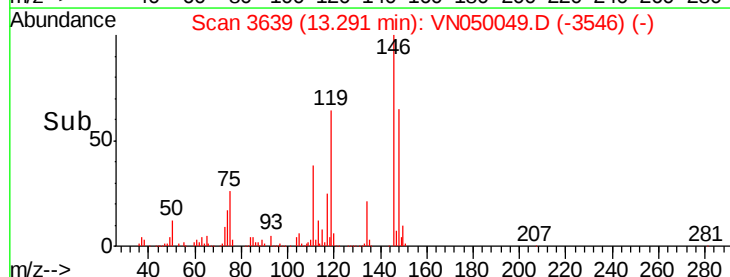
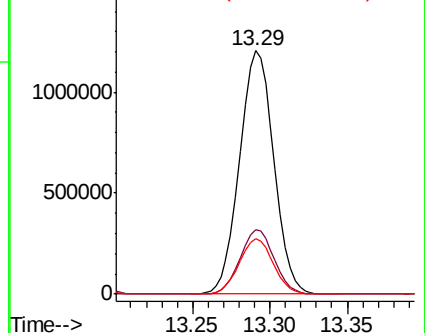
91 22.5 11.4 34.2

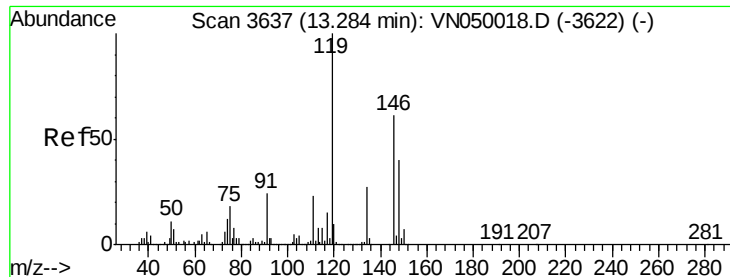


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





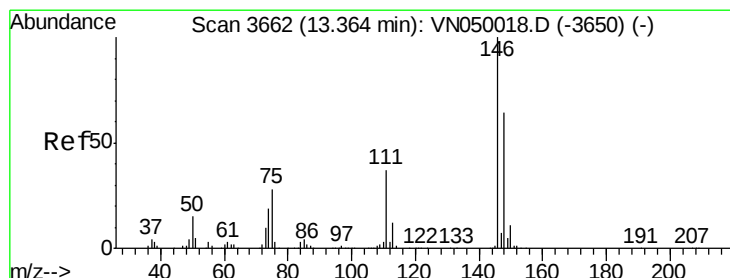
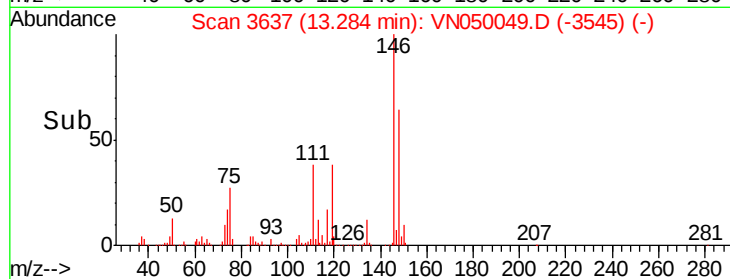
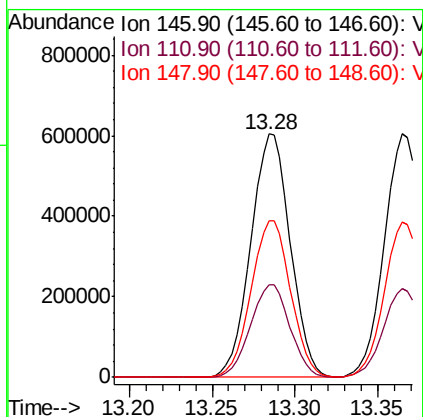
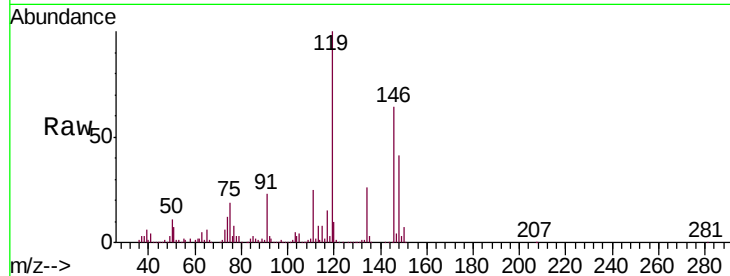
#87
 1,3-Dichlorobenzene
 Concen: 51.47 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.5	31.9	95.9

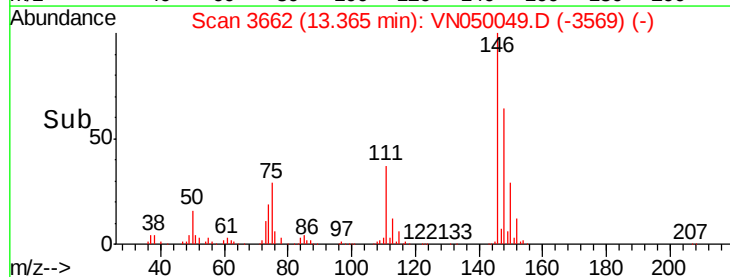
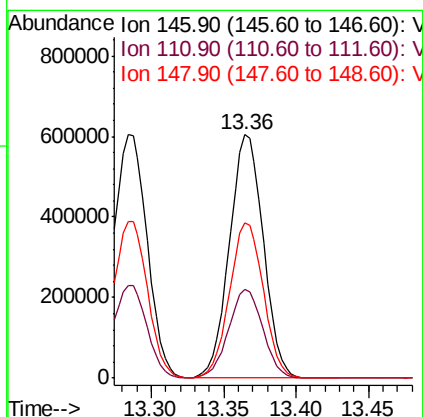
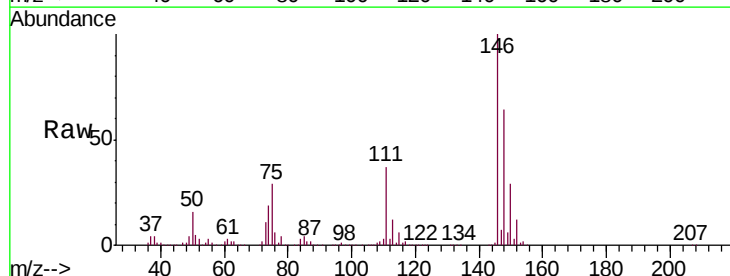
Manual Integrations
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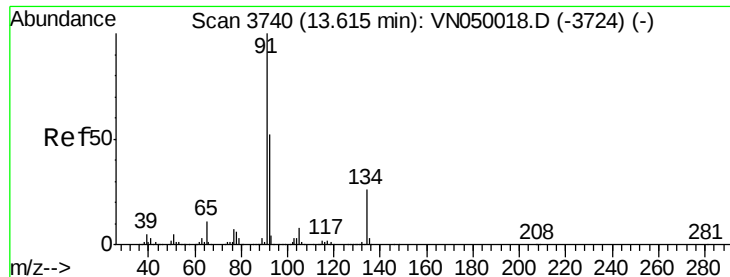
MMDadoda
 7/26/2018 3:54:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.77 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	63.9	31.9	95.9





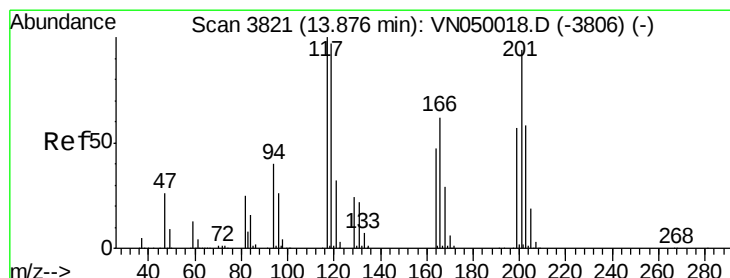
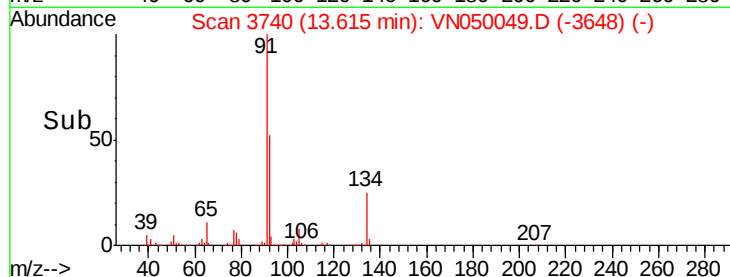
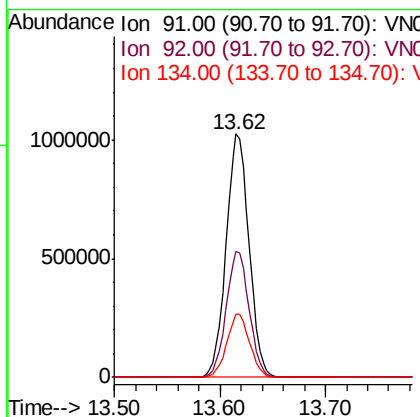
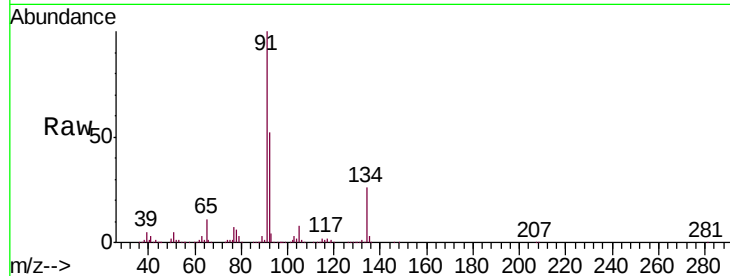
#89
n-Butylbenzene
Concen: 58.28 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	25.9	12.8	38.4

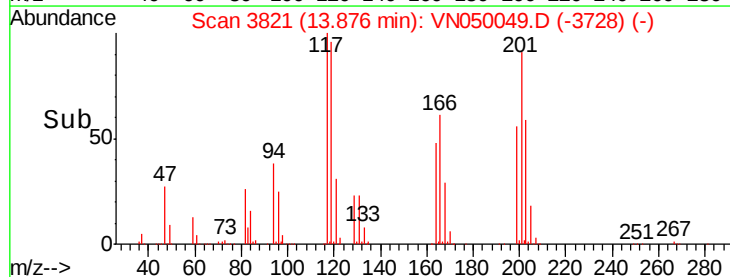
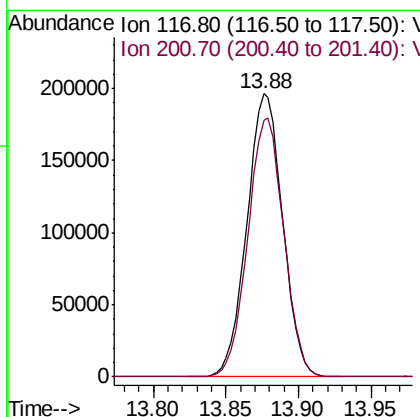
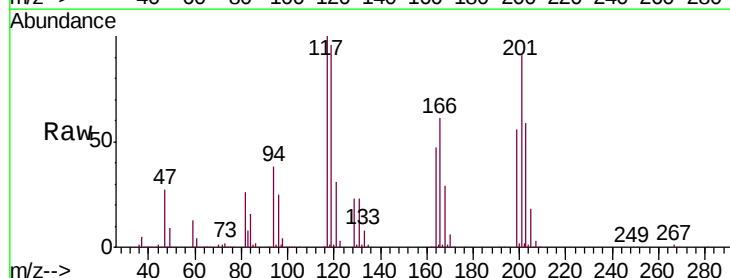
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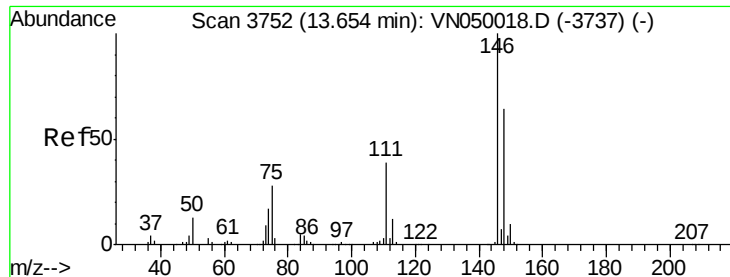
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7/26/2018 3:54:42 PM



#90
Hexachloroethane
Concen: 47.58 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.6	136.8





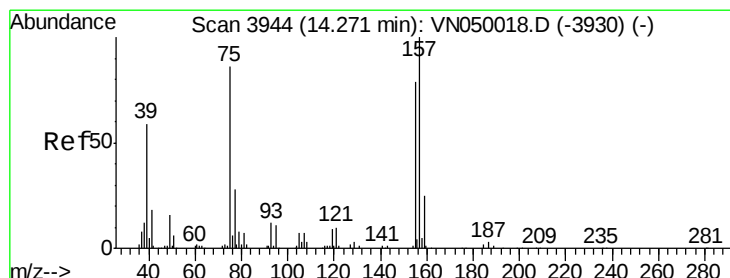
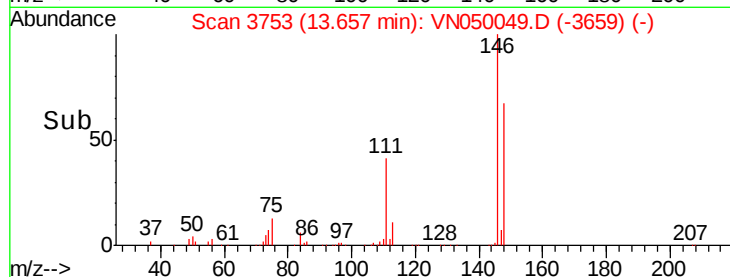
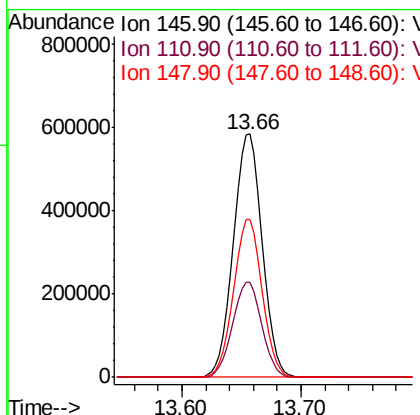
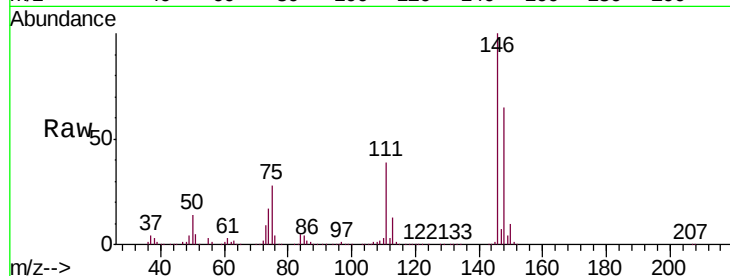
#91
 1,2-Dichlorobenzene
 Concen: 50.51 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	64.3	32.1	96.3

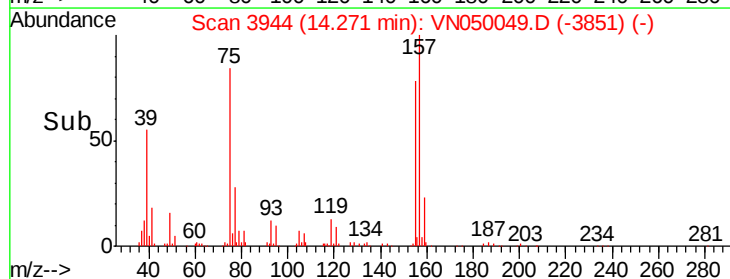
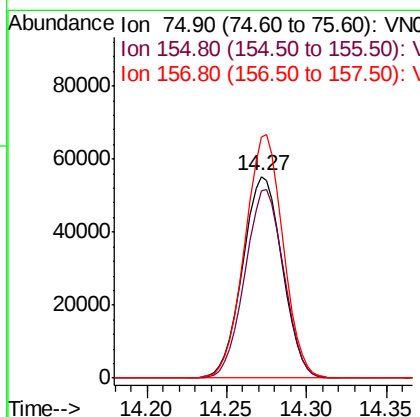
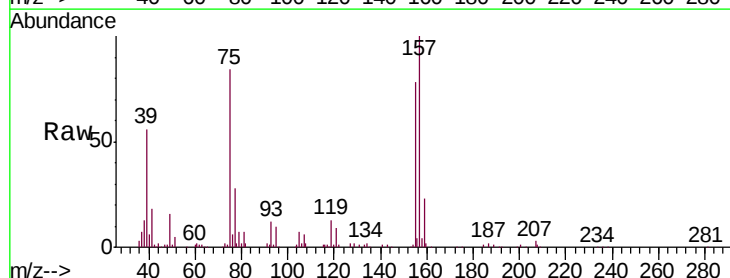
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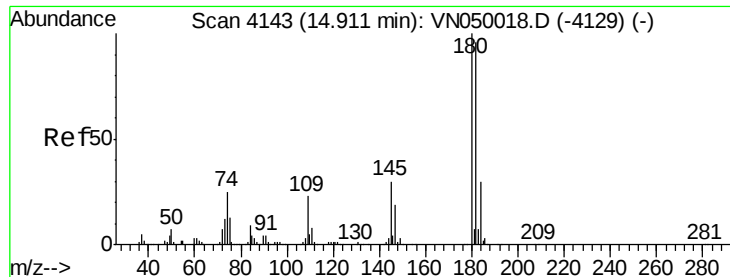
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.87 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	44.8	134.4
157	116.3	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 49.67 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

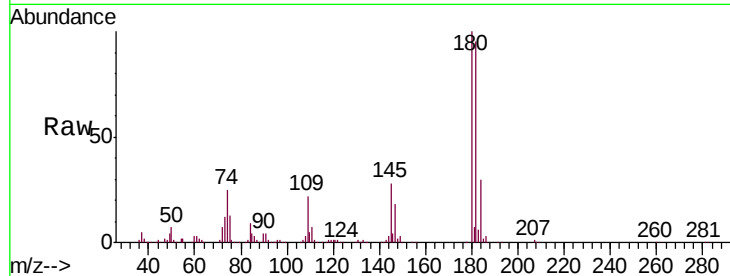
ClientSampleId :

VSTDCCC050

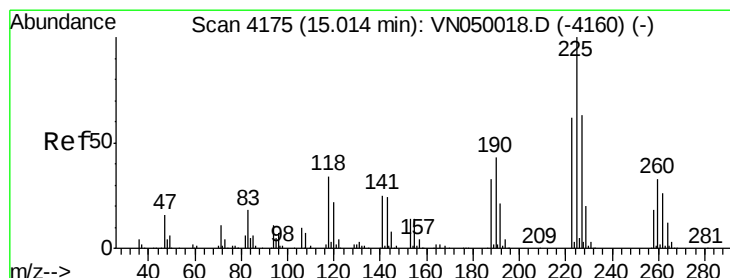
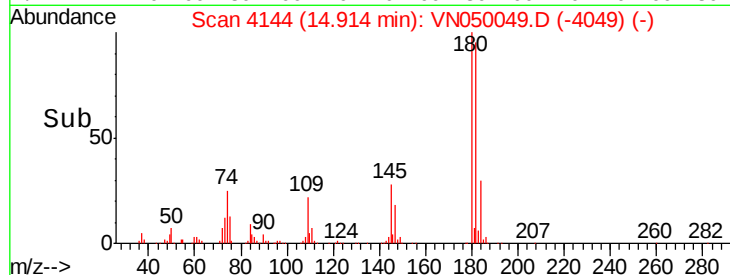
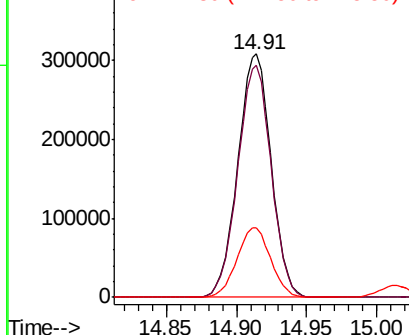
Tot Ion:	180	Resp:	510944
Ion Ratio	Lower	Upper	
180	100		
182	95.4	46.7	140.1
145	28.9	13.8	41.4

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7/26/2018 3:54:42 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.86 ug/l

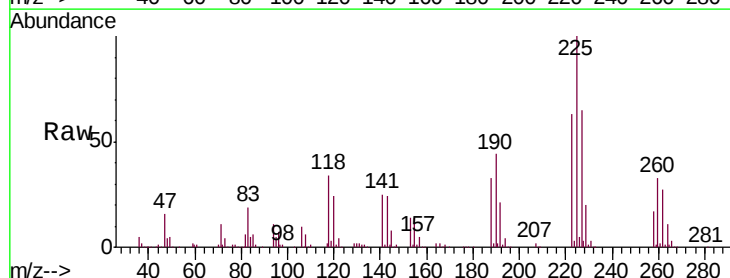
RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

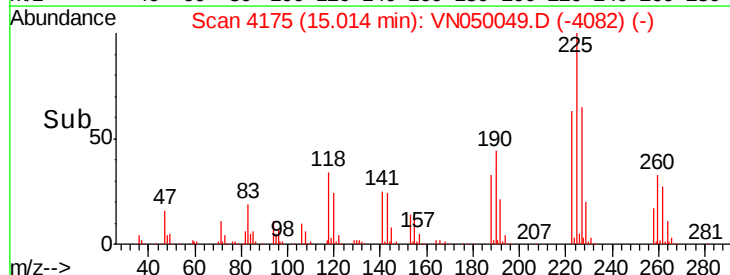
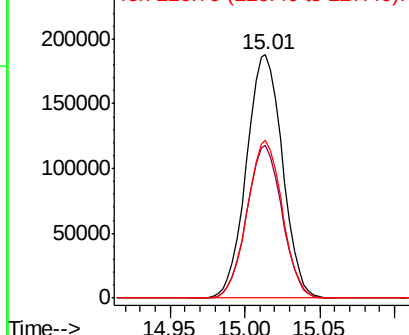
Lab File: VN050049.D

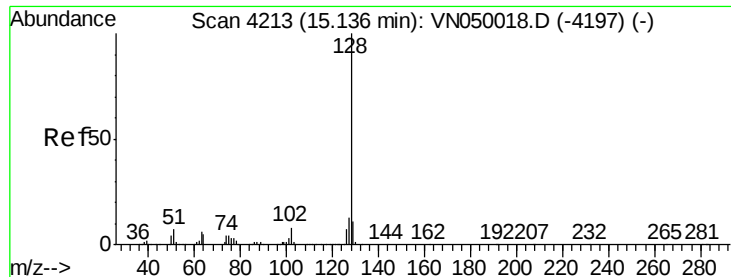
Acq: 25 Jul 2018 17:41

Tgt Ion:	225	Resp:	313975
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.4	94.2
227	63.5	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





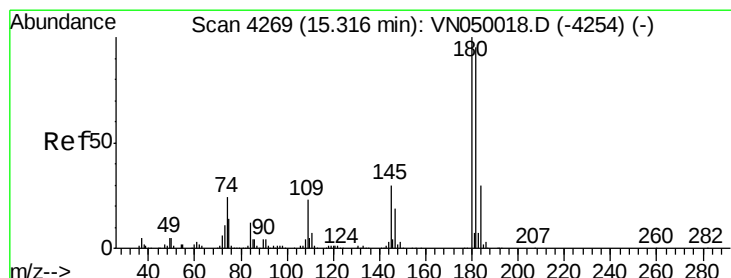
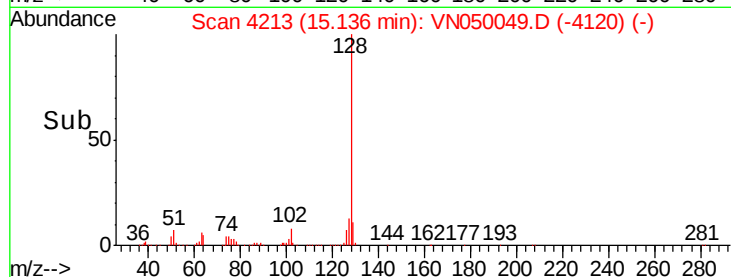
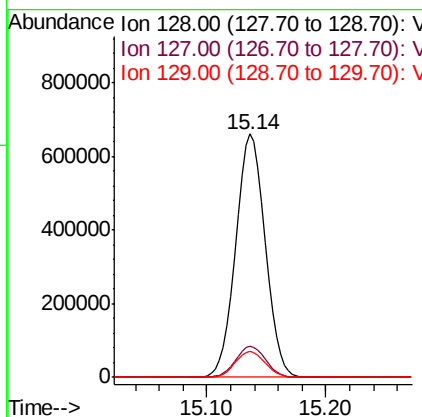
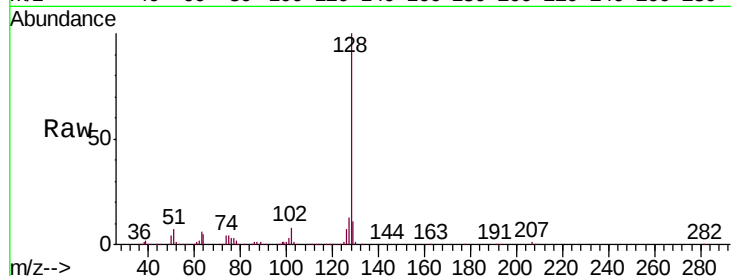
#95
Naphthalene
Concen: 46.88 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
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7/26/2018 3:54:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.58 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.1	144.4
145	30.3	15.3	45.9

