

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050018.D
 Acq On : 24 Jul 2018 10:21
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:14 PM

Quant Time: Jul 24 16:43:43 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	684933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	952322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	885525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	482694	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	451011	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.59	113	398945	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	1499887	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	504368	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	516213	52.45	ug/l	100
3) Chloromethane	2.06	50	493768	46.16	ug/l	99
4) Vinyl Chloride	2.18	62	524594	46.57	ug/l	99
5) Bromomethane	2.56	94	318652	50.96	ug/l	98
6) Chloroethane	2.70	64	302652	44.73	ug/l	100
7) Trichlorofluoromethane	3.01	101	682725	46.78	ug/l	100
8) Diethyl Ether	3.41	74	225746	46.40	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	418386	47.67	ug/l	100
10) Methyl Iodide	3.95	142	525554	46.66	ug/l	99
11) Tert butyl alcohol	4.80	59	151715	215.77	ug/l	100
12) 1,1-Dichloroethene	3.73	96	371209	47.02	ug/l	97
13) Acrolein	3.61	56	126934	224.69	ug/l	98
14) Allyl chloride	4.32	41	584954	47.79	ug/l	99
15) Acrylonitrile	4.99	53	691227	225.32	ug/l	100
16) Acetone	3.82	43	589024	261.88	ug/l	99
17) Carbon Disulfide	4.05	76	1134214	46.90	ug/l	100
18) Methyl Acetate	4.33	43	395028	44.95	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1020669	48.52	ug/l	99
20) Methylene Chloride	4.55	84	415467	49.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	398379	47.62	ug/l	100
22) Diisopropyl ether	5.96	45	1214954	50.06	ug/l	99
23) Vinyl Acetate	5.90	43	4213863	245.67	ug/l	99
24) 1,1-Dichloroethane	5.85	63	735823	46.36	ug/l	99
25) 2-Butanone	6.84	43	870224	238.74	ug/l	98
26) 2,2-Dichloropropane	6.82	77	626507	51.89	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	438398	48.69	ug/l	99
28) Bromochloromethane	7.19	49	333097	46.01	ug/l	100
29) Tetrahydrofuran	7.21	42	542843	230.47	ug/l	99
30) Chloroform	7.37	83	746903	46.12	ug/l	98
31) Cyclohexane	7.65	56	652498	49.57	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	644334	46.51	ug/l	99
36) 1,1-Dichloropropene	7.79	75	576367	53.72	ug/l	99
37) Ethyl Acetate	6.93	43	363866	48.64	ug/l	99
38) Carbon Tetrachloride	7.78	117	579073	50.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	628536	56.95	ug/l	99
40) Benzene	8.04	78	1692492	51.84	ug/l	99
41) Methacrylonitrile	7.18	41	197166	50.57	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	537894	49.38	ug/l	100
43) Isopropyl Acetate	8.17	43	672217	47.63	ug/l	99
44) Trichloroethene	8.84	130	443862	50.59	ug/l	100
45) 1,2-Dichloropropane	9.12	63	437448	50.59	ug/l	99
46) Dibromomethane	9.21	93	269052	50.11	ug/l	99
47) Bromodichloromethane	9.40	83	569320	50.24	ug/l	99
48) Methyl methacrylate	9.20	41	332145	51.56	ug/l	100
49) 1,4-Dioxane	9.20	88	88880	1013.75	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1841301	250.39	ug/l	100
52) Toluene	10.16	92	1041795	54.06	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	578203	54.07	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	657829	53.82	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384835	50.34	ug/l	99
56) Ethyl methacrylate	10.43	69	484603	46.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	635696	51.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1153140	238.76	ug/l	100
59) 2-Hexanone	10.75	43	1304312	241.56	ug/l	99
60) Dibromochloromethane	10.90	129	435114	51.41	ug/l	98
61) 1,2-Dibromoethane	11.01	107	378976	49.97	ug/l	99
64) Tetrachloroethene	10.63	164	428118	50.29	ug/l	99
65) Chlorobenzene	11.44	112	1114296	49.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	420885	48.97	ug/l	99
67) Ethyl Benzene	11.51	91	1955256	54.42	ug/l	100
68) m/p-Xylenes	11.62	106	1521063	111.92	ug/l	100
69) o-Xylene	11.95	106	715777	55.25	ug/l	99
70) Styrene	11.97	104	1165944	50.59	ug/l	100
71) Bromoform	12.13	173	306438	49.01	ug/l #	98
73) Isopropylbenzene	12.25	105	1922434	51.35	ug/l	100
74) N-amyl acetate	12.07	43	544576	47.60	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	479847	47.92	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	453508m	50.56	ug/l	
77) Bromobenzene	12.53	156	488316	47.06	ug/l	100
78) n-propylbenzene	12.59	91	2251693	53.81	ug/l	100
79) 2-Chlorotoluene	12.68	91	1314769	50.70	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1592477	54.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141261	49.95	ug/l	98
82) 4-Chlorotoluene	12.78	91	1336492	52.04	ug/l	99
83) tert-Butylbenzene	12.99	119	1361159	52.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1643969	55.39	ug/l	99
85) sec-Butylbenzene	13.17	105	1860299	54.18	ug/l	100
86) p-Isopropyltoluene	13.29	119	1620159	56.00	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	867298	49.31	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	855478	49.90	ug/l	99
89) n-Butylbenzene	13.62	91	1353441	56.89	ug/l	100
90) Hexachloroethane	13.88	117	298770	46.51	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	852862	48.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75681	45.30	ug/l	99

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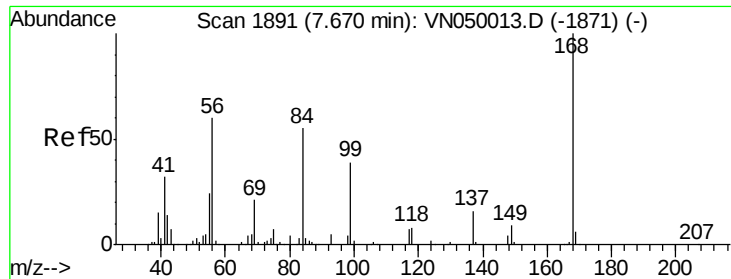
Manual Integrations
APPROVED

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7/26/2018 1:51:14 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	445830	47.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	272034	50.54	ug/l	100
95) Naphthalene	15.14	128	945213	43.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	437514	48.25	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 684933

Ion Ratio Lower Upper

168 100

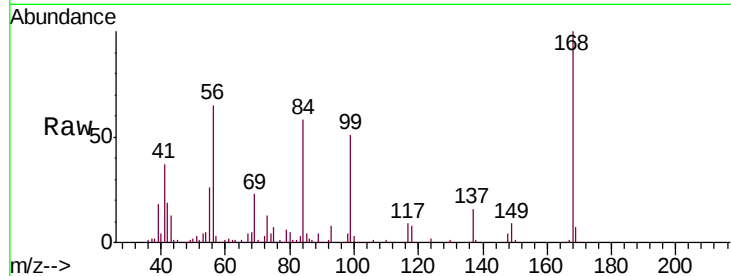
99 50.9 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

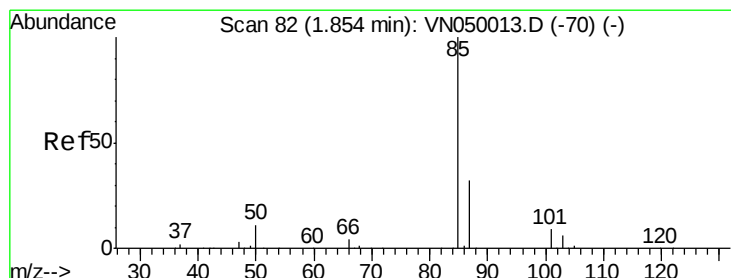
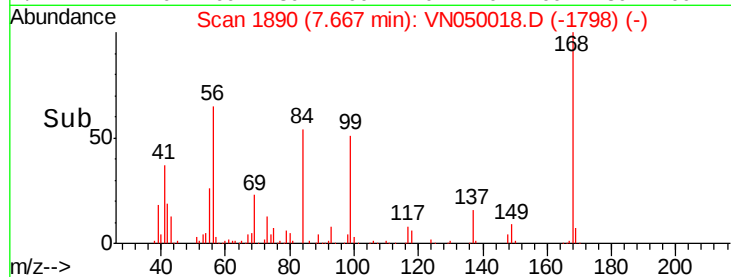
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.45 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050018.D

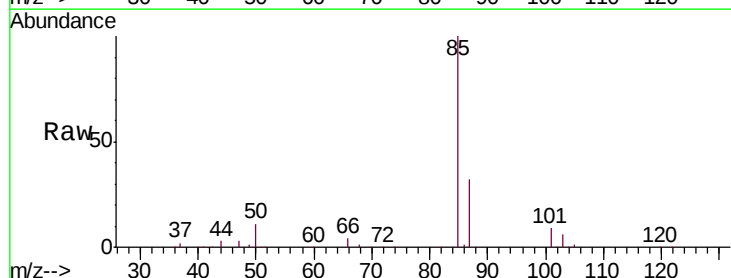
Acq: 24 Jul 2018 10:21

Tgt Ion: 85 Resp: 516213

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

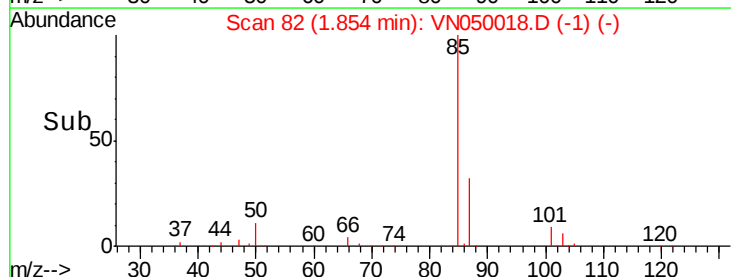
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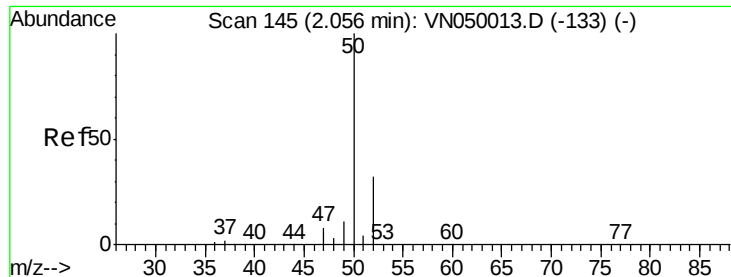
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.16 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 493768

Ion Ratio Lower Upper

50 100

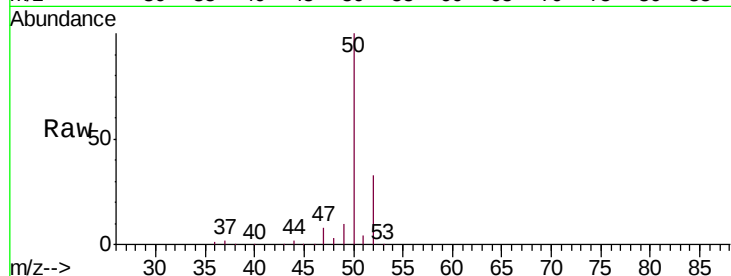
52 32.7 25.9 38.9

Manual Integrations

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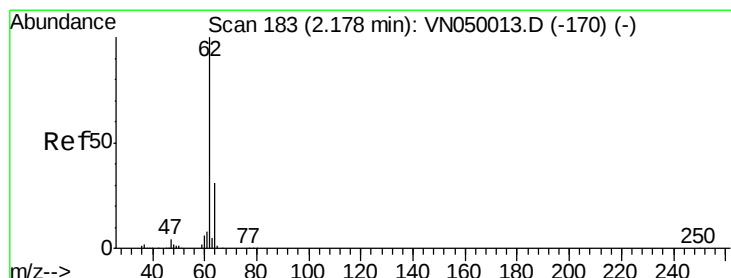
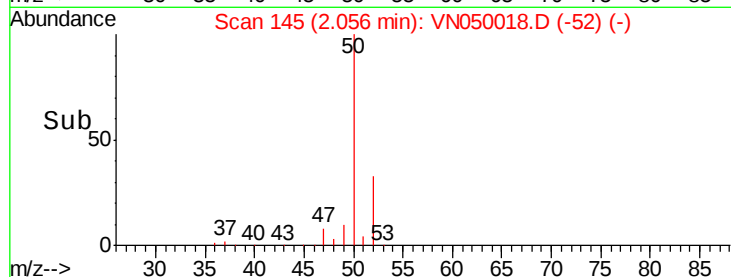
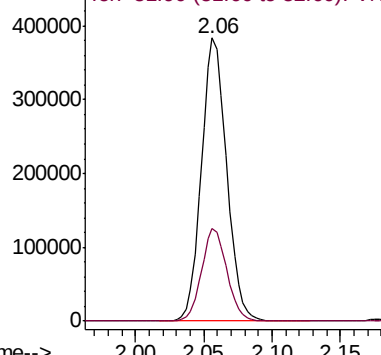
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.57 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050018.D

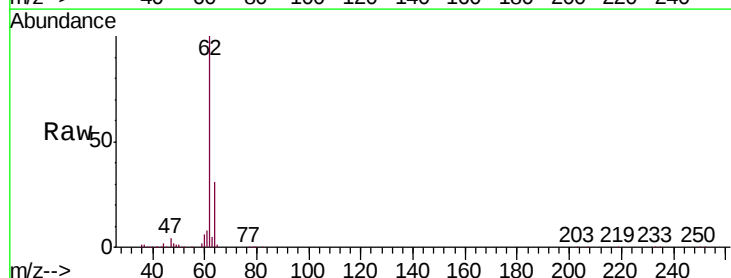
Acq: 24 Jul 2018 10:21

Tgt Ion: 62 Resp: 524594

Ion Ratio Lower Upper

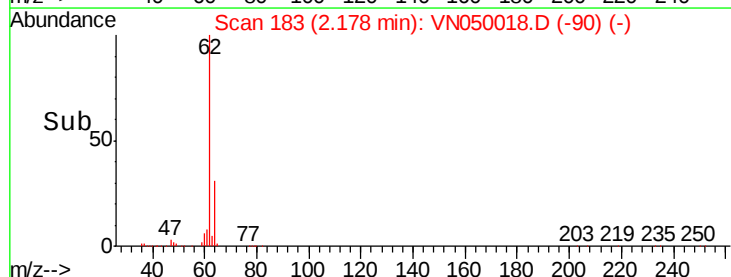
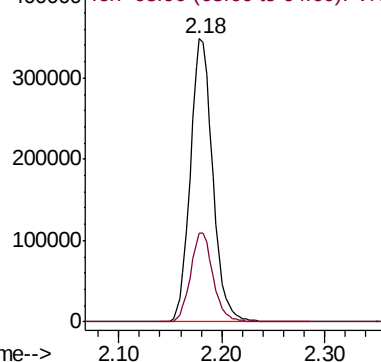
62 100

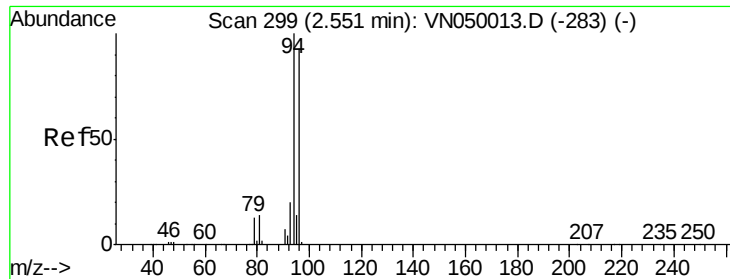
64 31.4 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.96 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 318652

Ion Ratio Lower Upper

94 100

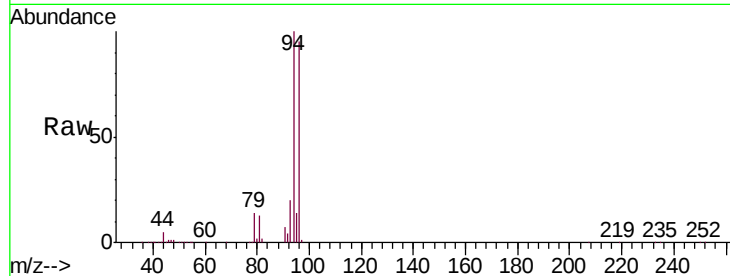
96 95.4 74.6 112.0

Manual Integrations

APPROVED

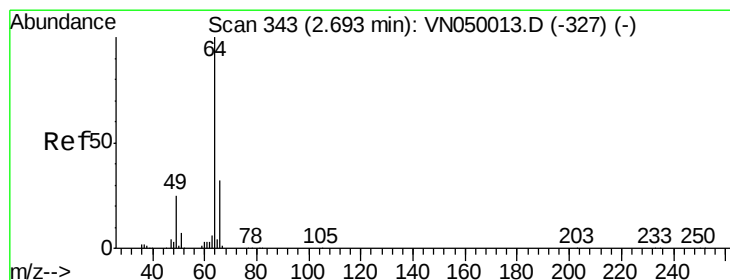
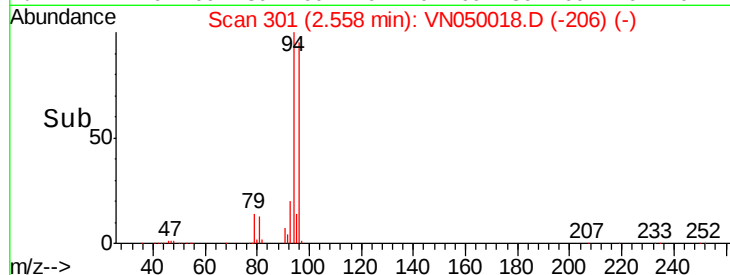
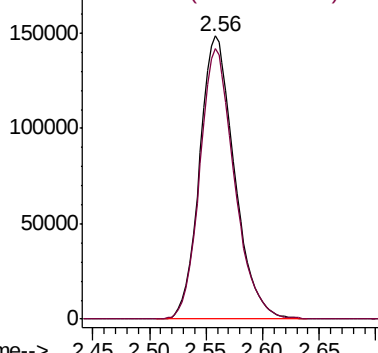
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.73 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050018.D

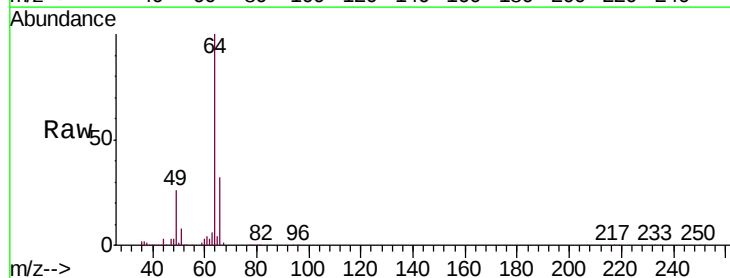
Acq: 24 Jul 2018 10:21

Tgt Ion: 64 Resp: 302652

Ion Ratio Lower Upper

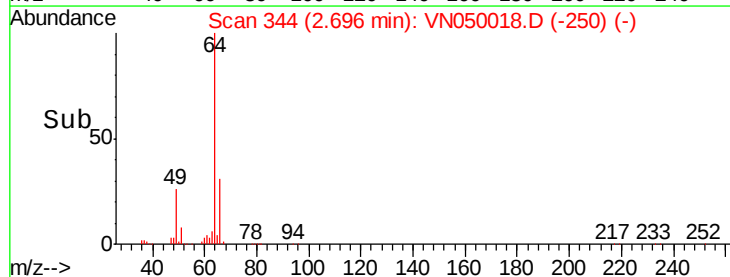
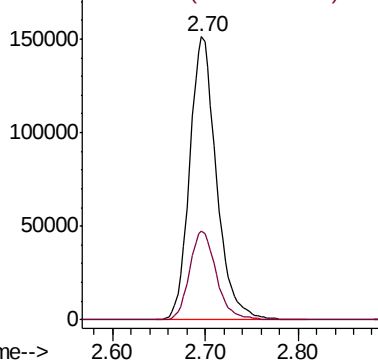
64 100

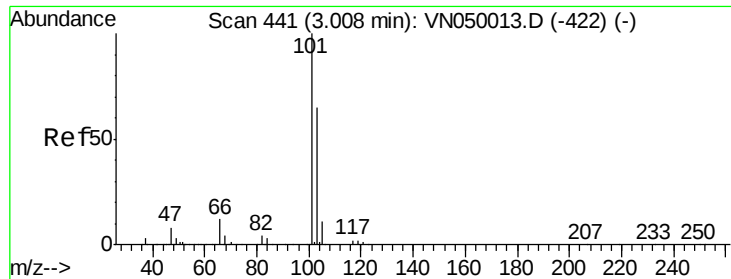
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

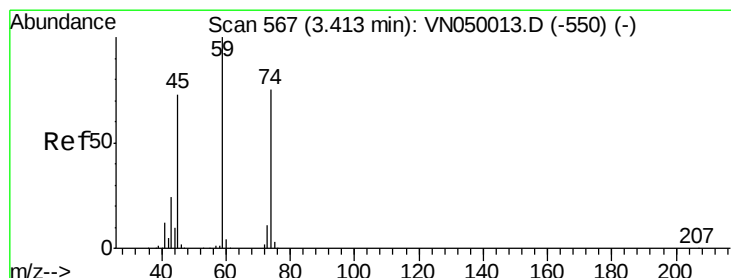
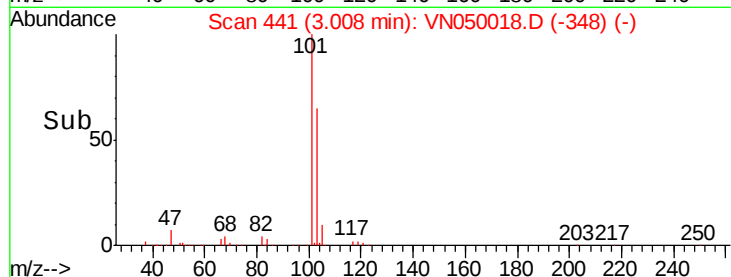
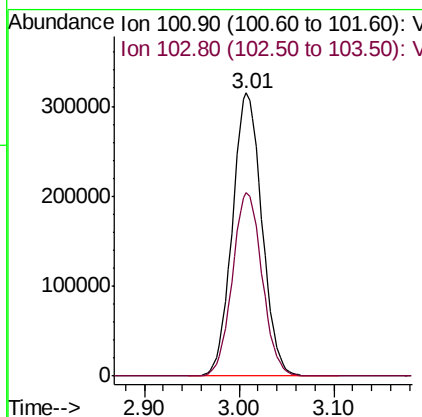
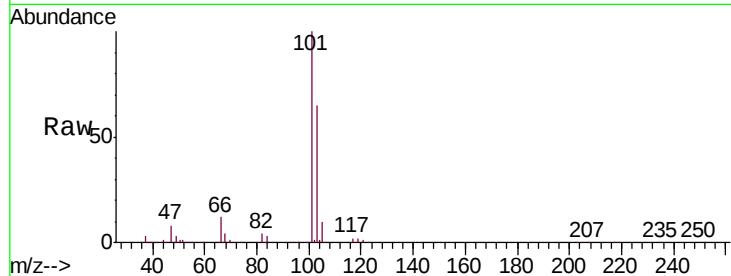
Trichlorofluoromethane
 Concen: 46.78 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.7	77.5

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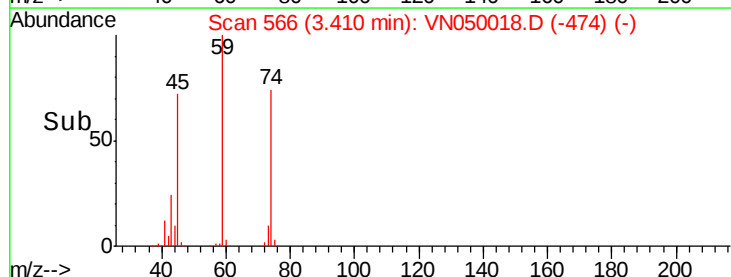
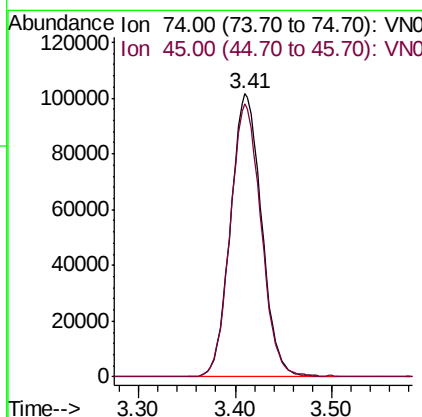
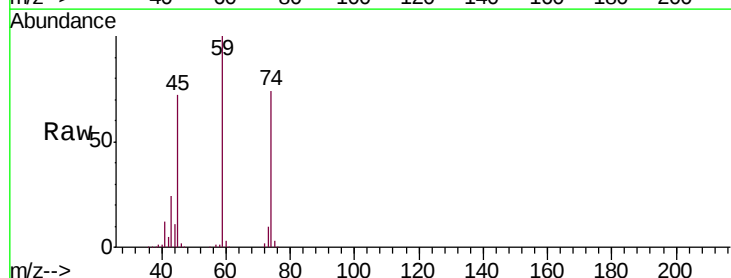
MMDadoda
 7/26/2018 1:51:14 PM

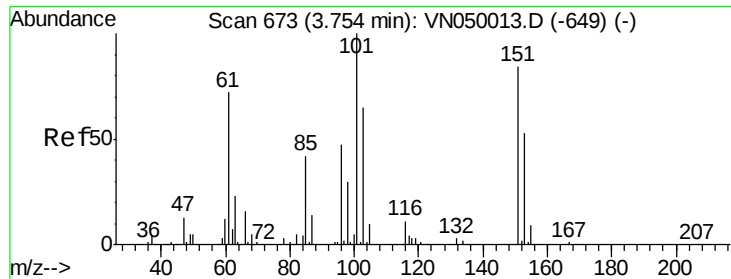


#8

Diethyl Ether
 Concen: 46.40 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.67 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

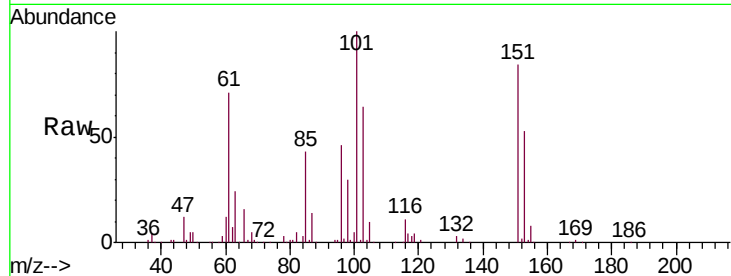
ClientSampleId :

VSTDCCC050

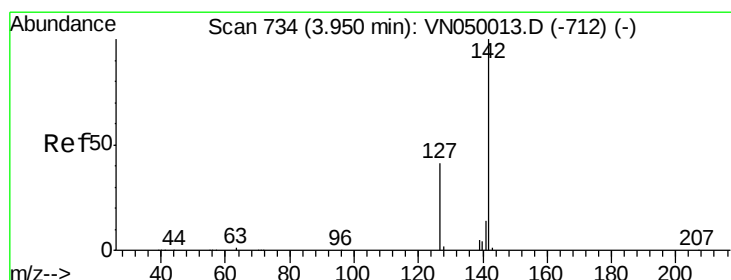
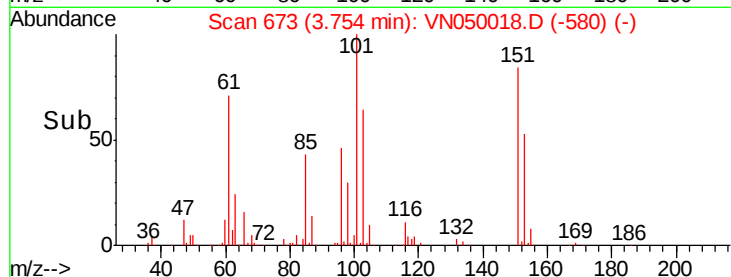
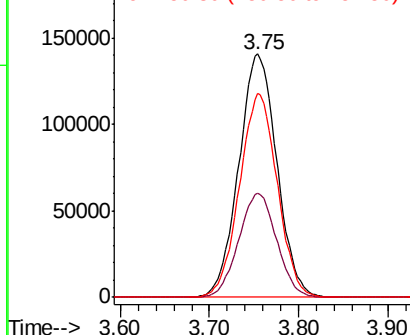
Tot Ion:	101	Resp:	418386
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	83.0	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.66 ug/l

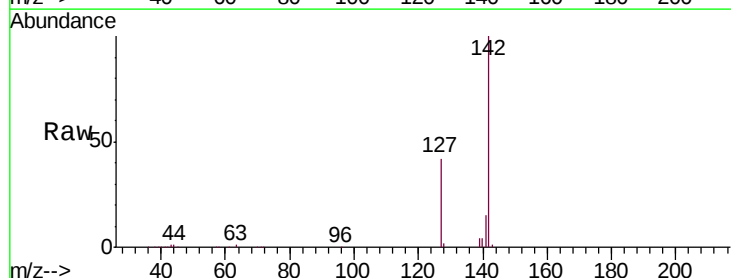
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

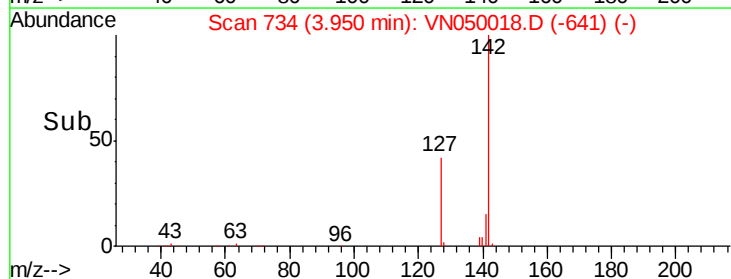
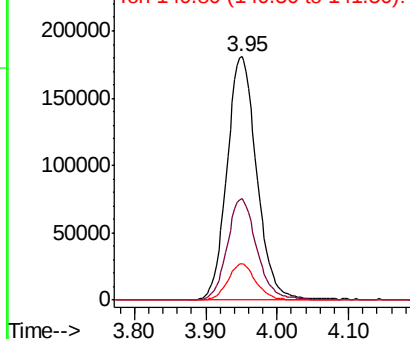
Lab File: VN050018.D

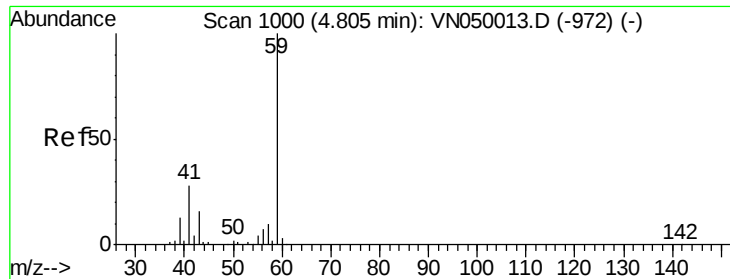
Acq: 24 Jul 2018 10:21

Tgt Ion:	142	Resp:	525554
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.4	50.2
141	14.2	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





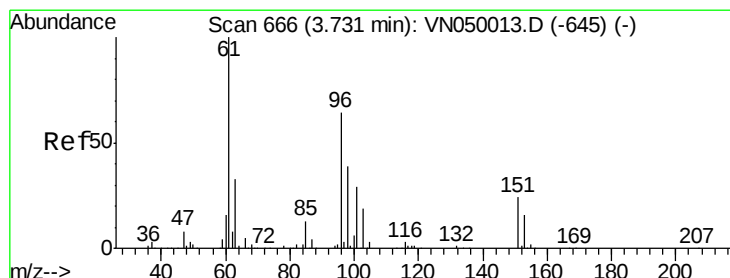
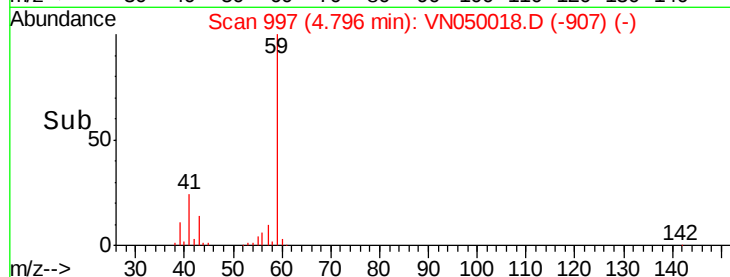
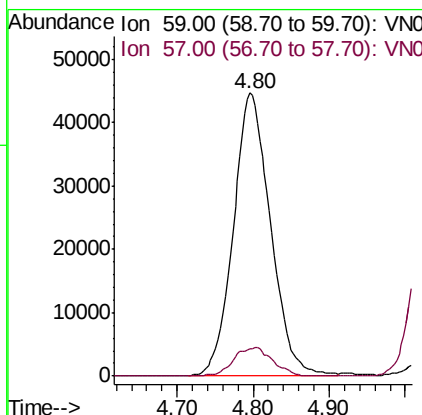
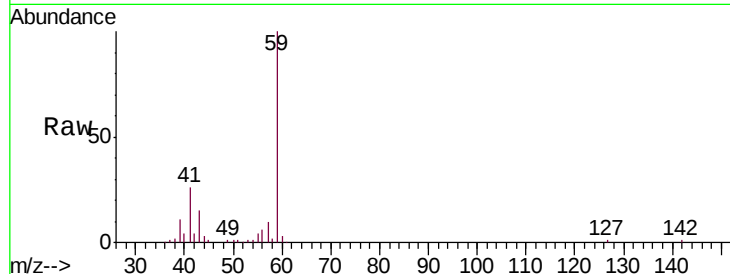
#11
Tert butyl alcohol
Concen: 215.77 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 151715
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

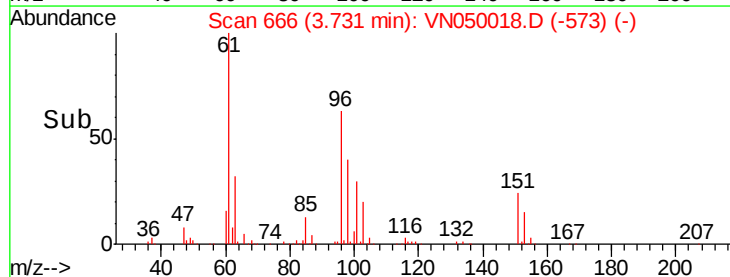
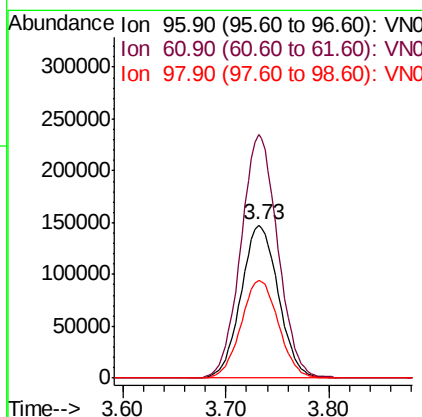
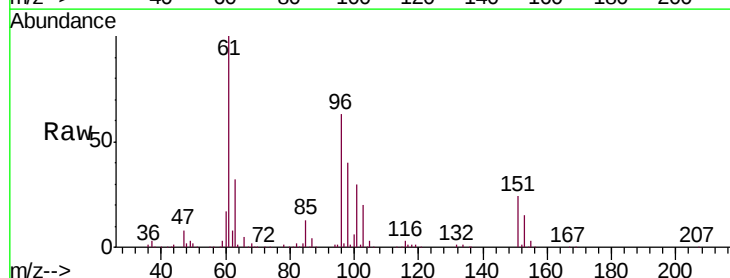
Manual Integrations
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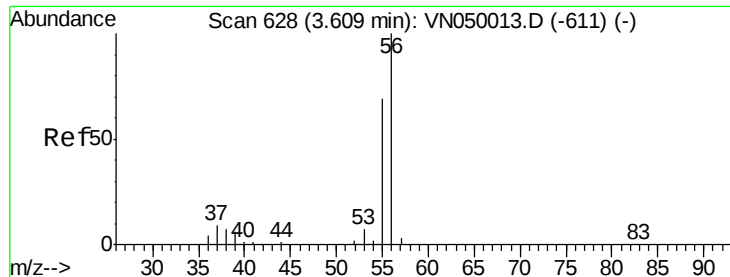
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.02 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 96 Resp: 371209
Ion Ratio Lower Upper
96 100
61 159.1 124.4 186.6
98 63.8 48.3 72.5





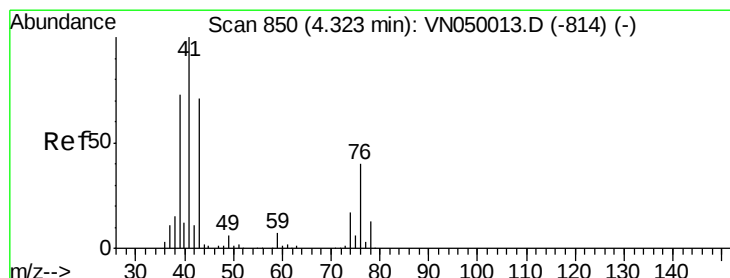
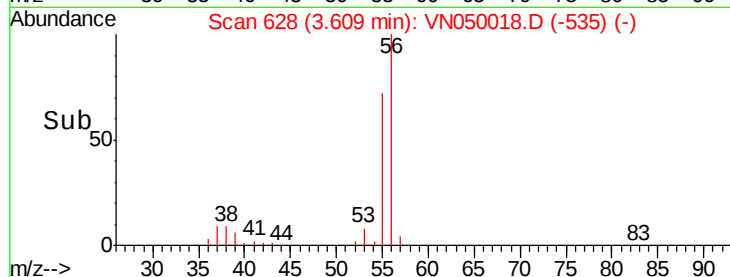
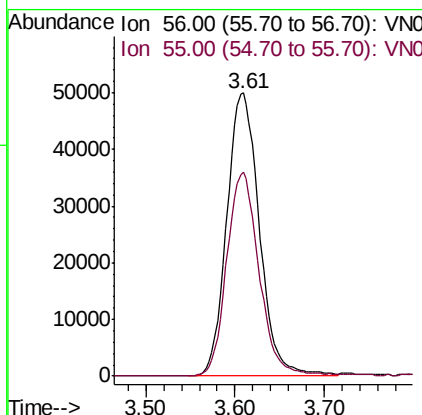
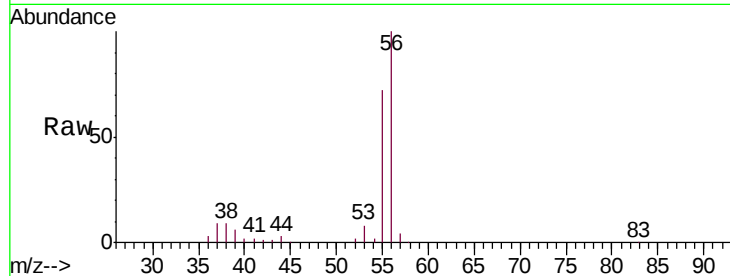
#13
Acrolein
Concen: 224.69 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
126934	100	71.2		55.8	83.6

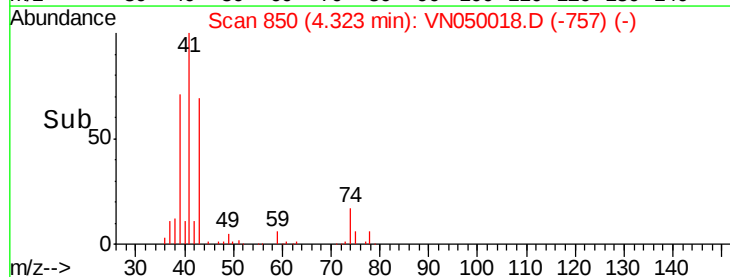
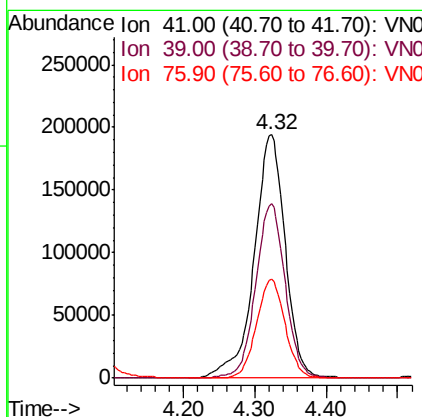
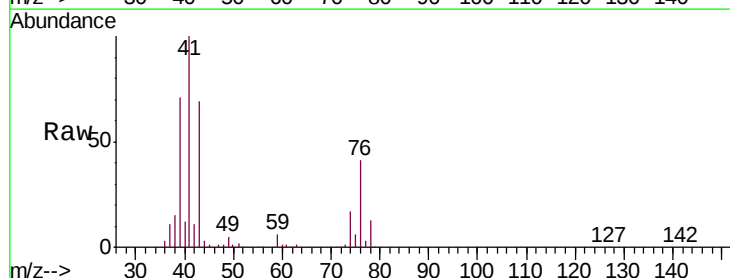
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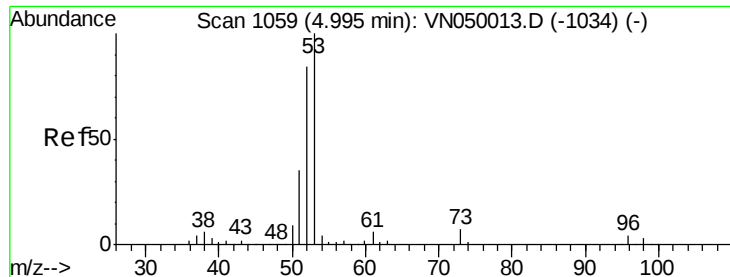
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#14
Allyl chloride
Concen: 47.79 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	41	39	76	Resp	Lower	Upper
584954	100	68.1	37.2		54.2	81.4





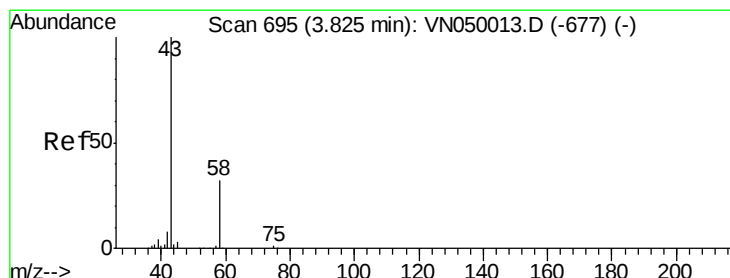
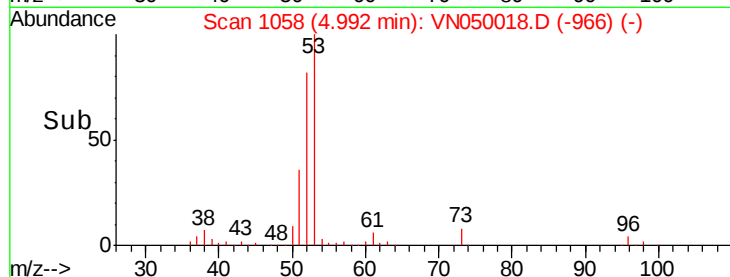
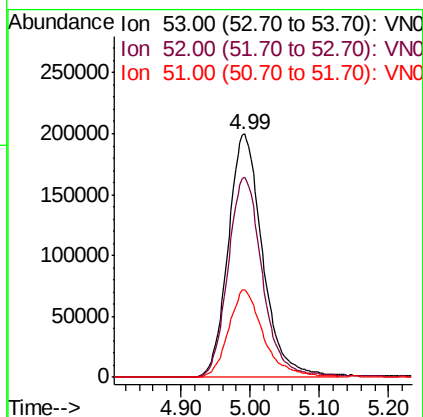
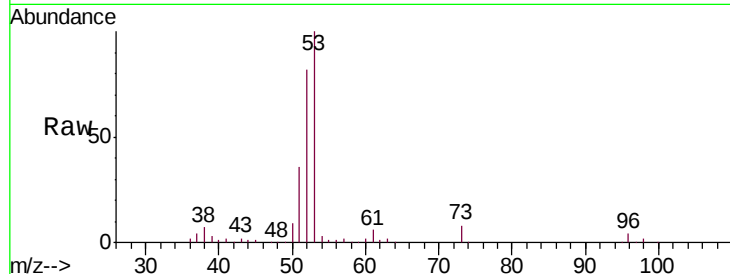
#15
 Acrylonitrile
 Concen: 225.32 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.6	29.3	43.9

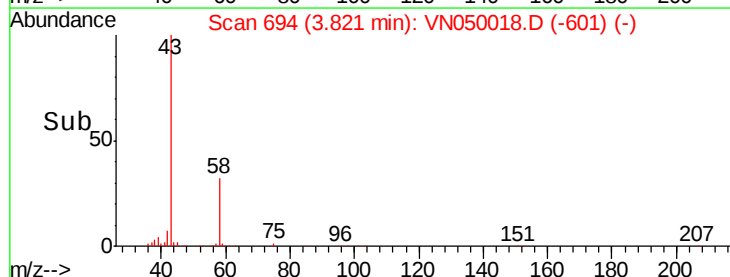
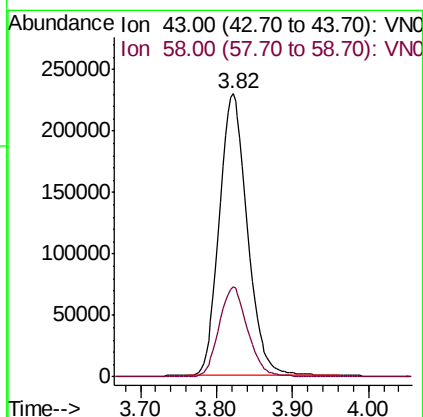
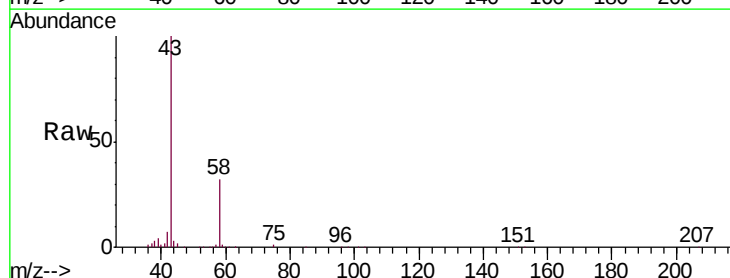
Manual Integrations
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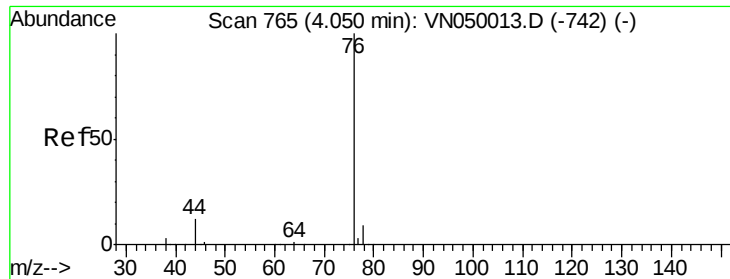
MMDadoda
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#16
 Acetone
 Concen: 261.88 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.8





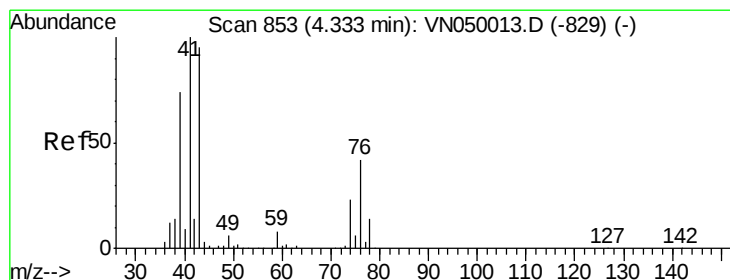
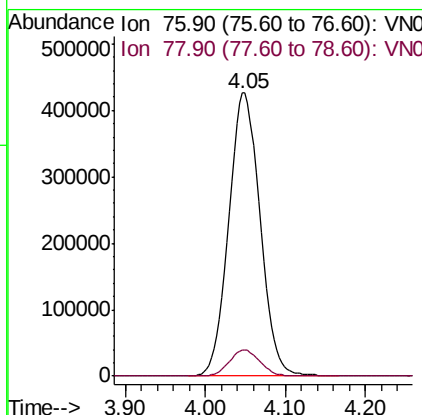
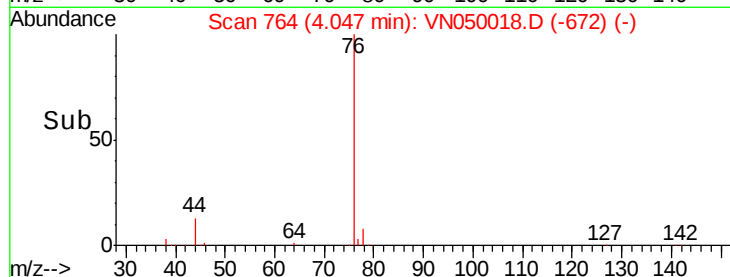
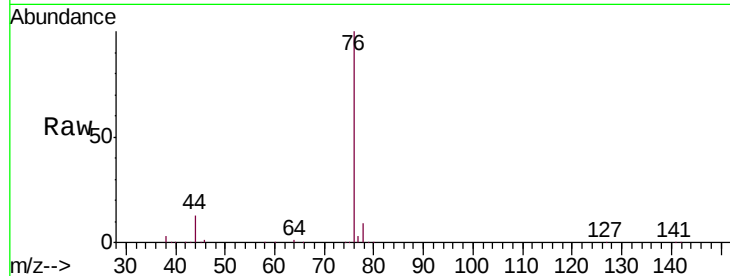
#17
Carbon Disulfide
Concen: 46.90 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1134214
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

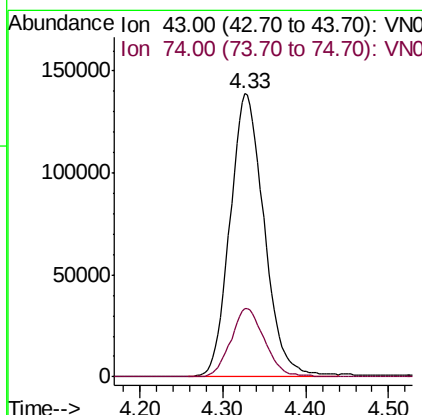
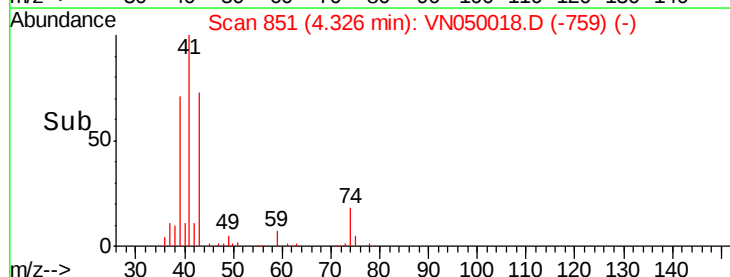
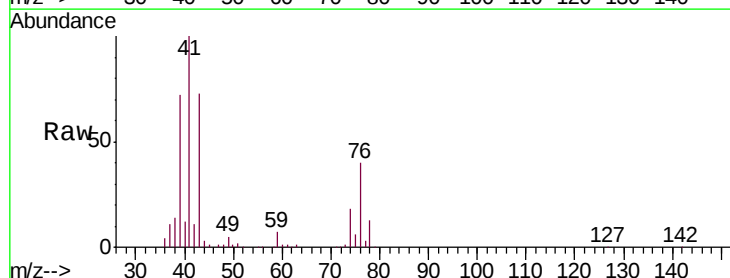
Manual Integrations
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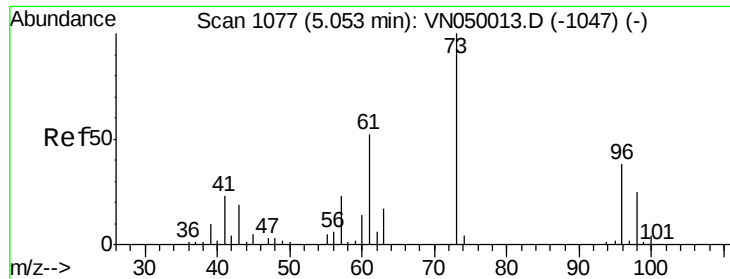
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#18
Methyl Acetate
Concen: 44.95 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 43 Resp: 395028
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





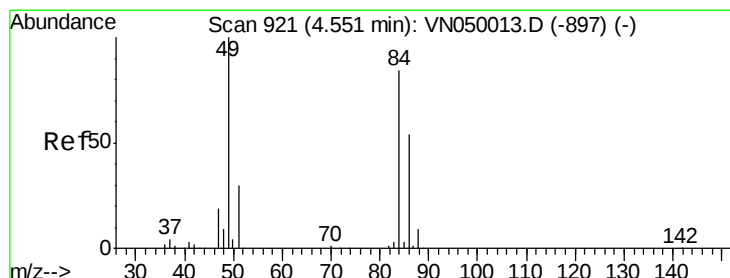
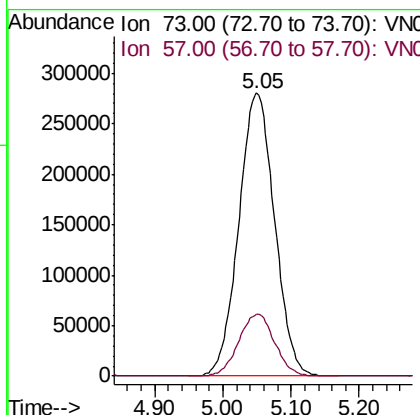
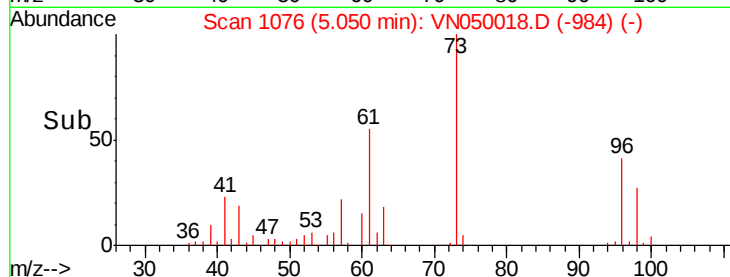
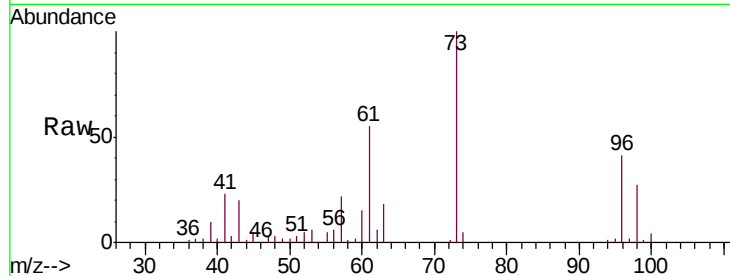
#19
Methyl tert-butyl Ether
Concen: 48.52 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1020669
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

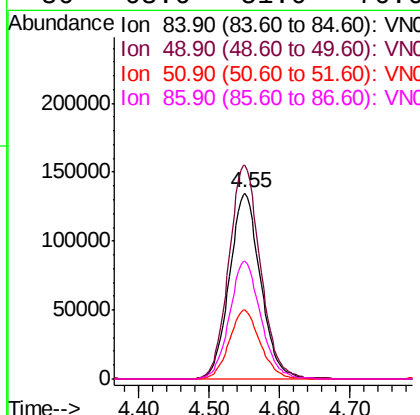
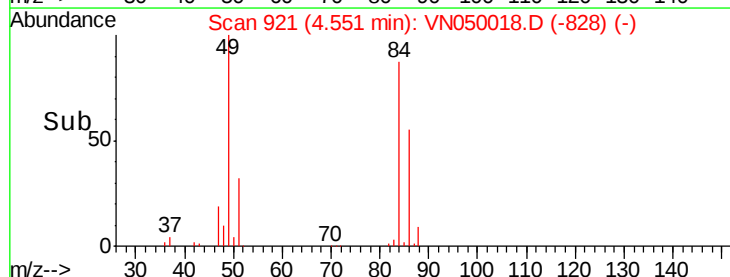
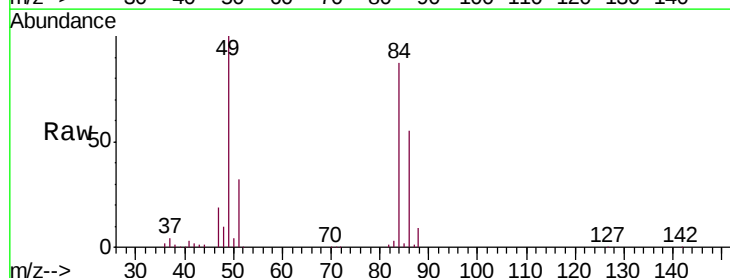
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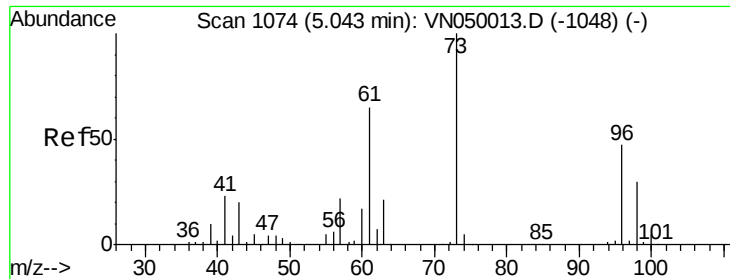
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#20
Methylene Chloride
Concen: 49.01 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 84 Resp: 415467
Ion Ratio Lower Upper
84 100
49 115.1 94.8 142.2
51 37.1 28.3 42.5
86 63.6 51.0 76.6





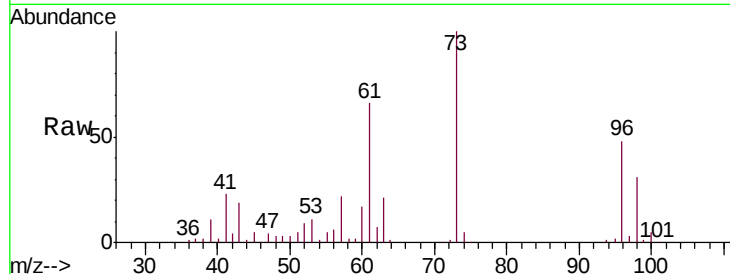
#21
trans-1,2-Dichloroethene
Concen: 47.62 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	110.7	166.1
98	64.4	51.6	77.4

Manual Integrations
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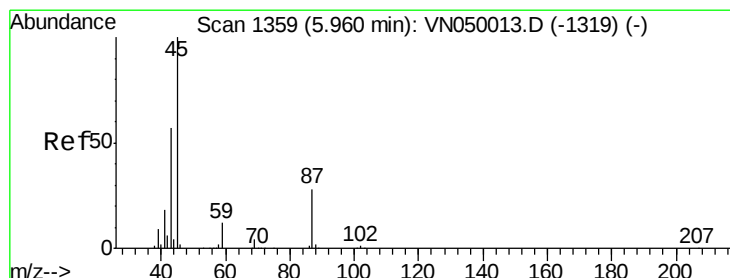
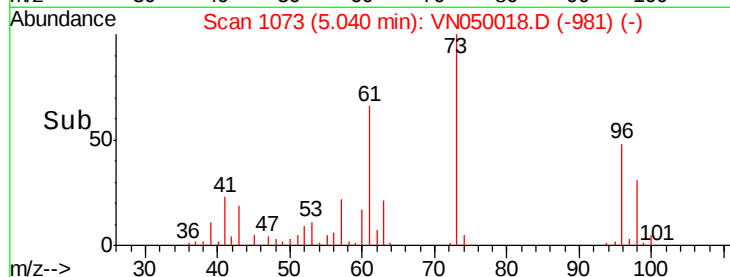
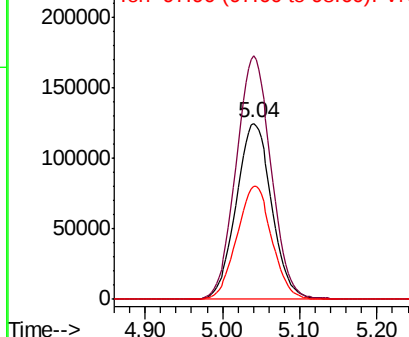


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 50.06 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.7	68.5
87	28.0	22.7	34.1
59	12.2	9.5	14.3

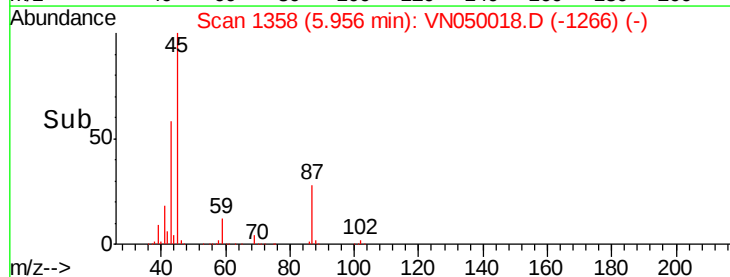
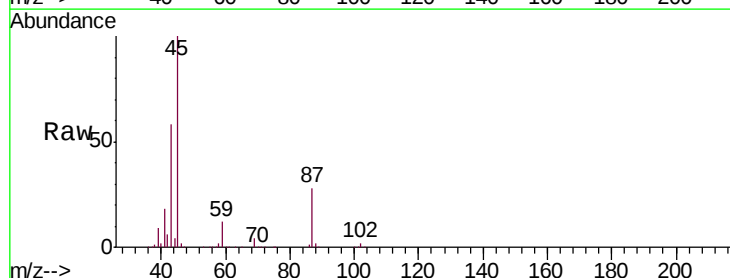
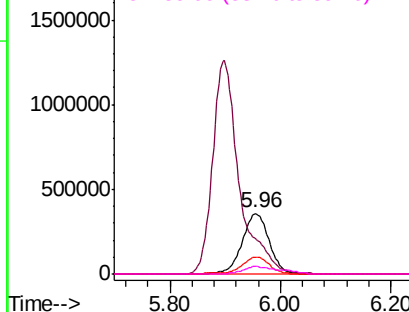
Abundance

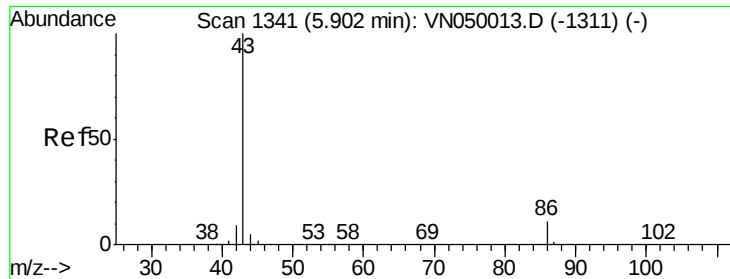
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 245.67 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4213863

Ion Ratio Lower Upper

43 100

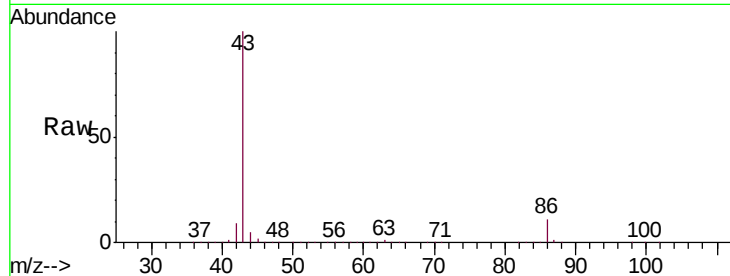
86 10.6 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-1311) (-)

Ion 86.00 (85.70 to 86.70): VN050013.D (-1311) (-)

1500000

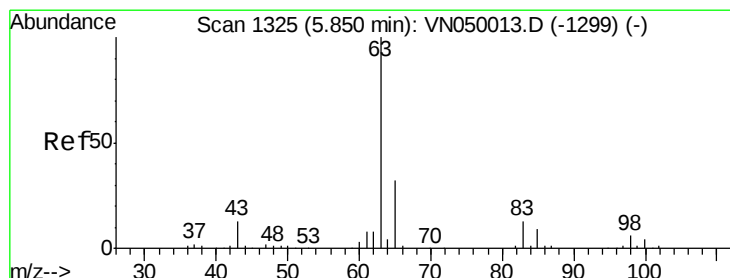
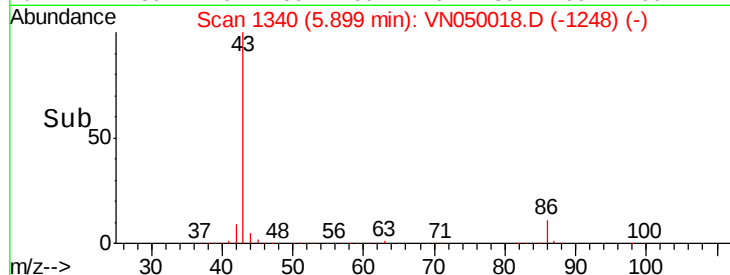
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 46.36 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

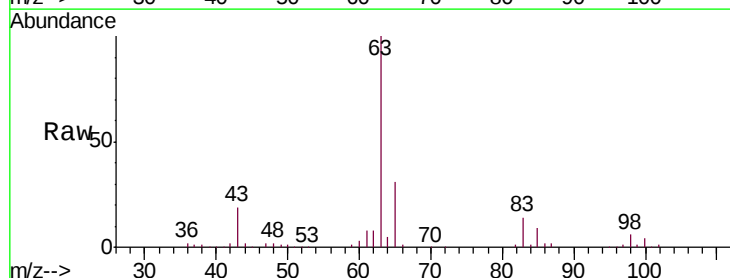
Tgt Ion: 63 Resp: 735823

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050013.D (-1299) (-)

Ion 97.90 (97.60 to 98.60): VN050013.D (-1299) (-)

Ion 99.90 (99.60 to 100.60): VN050013.D (-1299) (-)

300000

250000

200000

150000

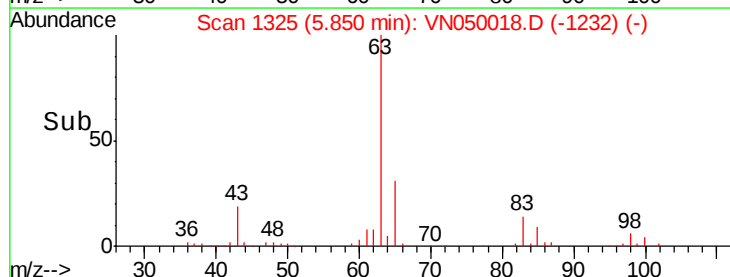
100000

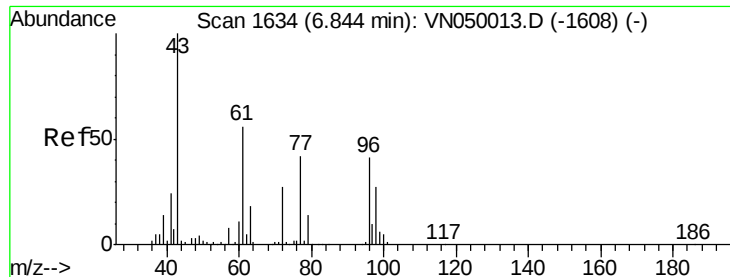
50000

0

5.70 5.80 5.90 6.00

Time-->





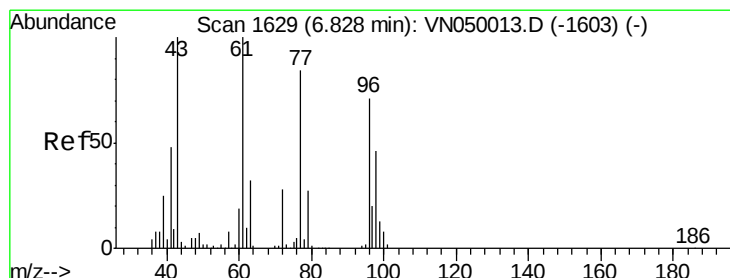
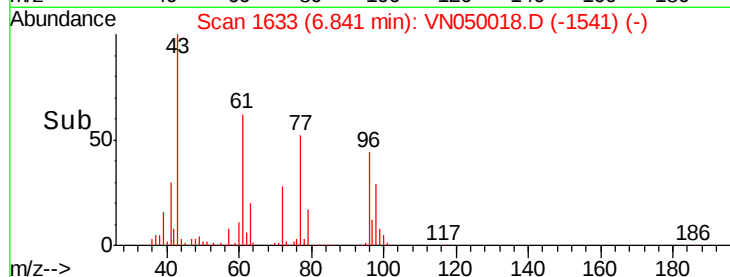
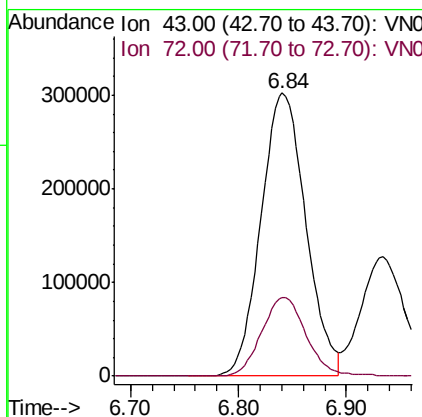
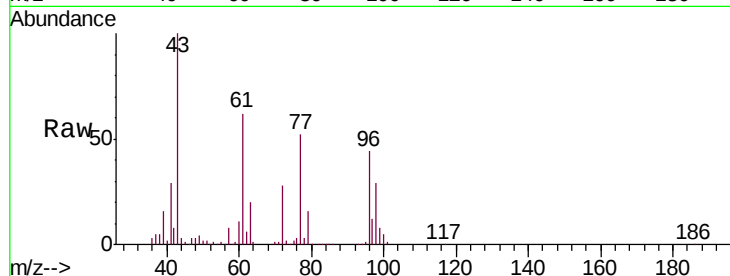
#25
2-Butanone
Concen: 238.74 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 870224
Ion Ratio Lower Upper
43 100
72 27.7 21.5 32.3

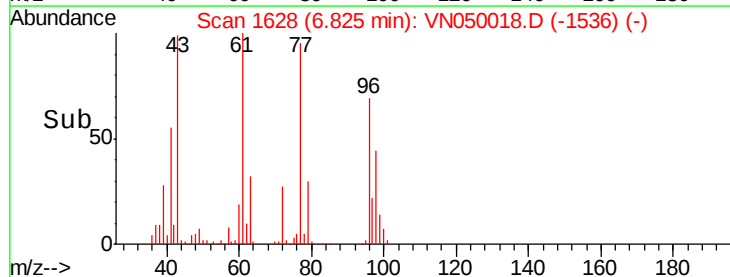
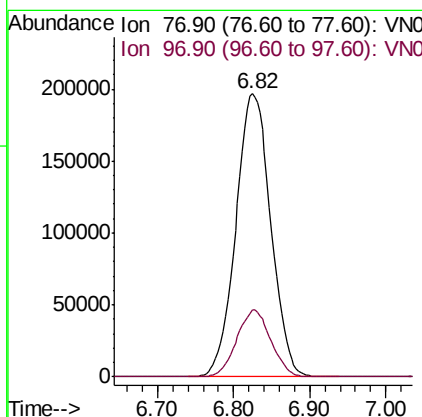
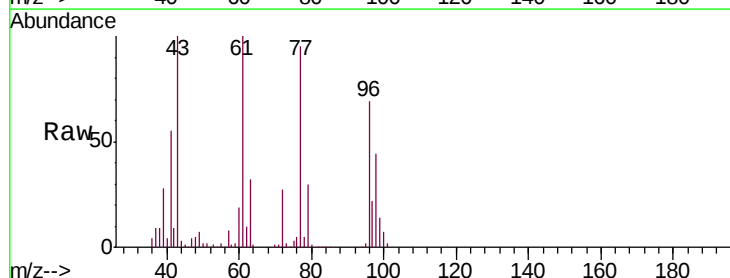
Manual Integrations
APPROVED

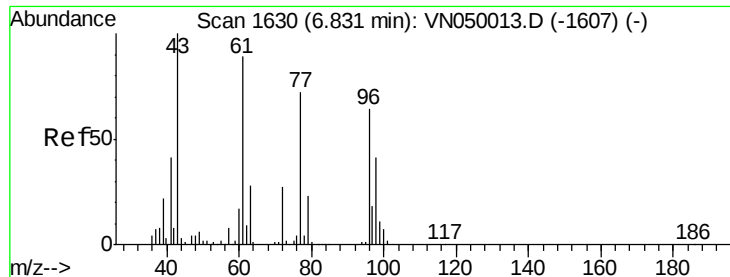
MMDadoda
7/26/2018 1:51:14 PM



#26
2,2-Dichloropropane
Concen: 51.89 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 77 Resp: 626507
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.69 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

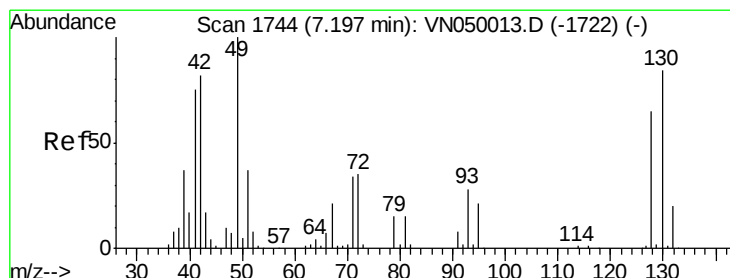
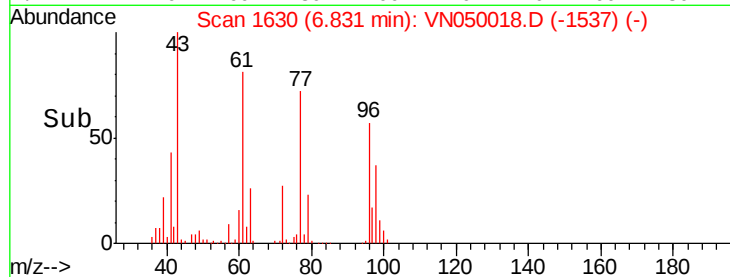
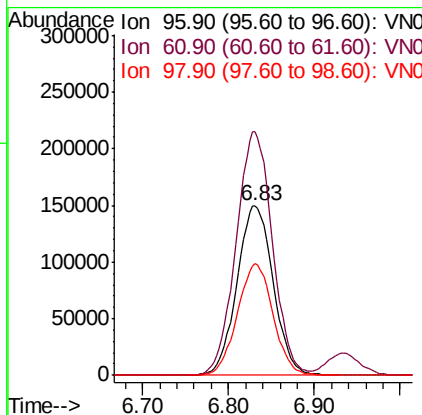
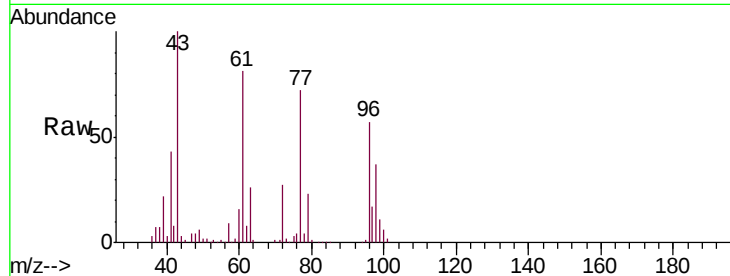
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	438398
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	285.0
98	65.0	0.0	129.2

Manual Integrations
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MMDadoda
7/26/2018 1:51:14 PM



#28

Bromochloromethane

Concen: 46.01 ug/l

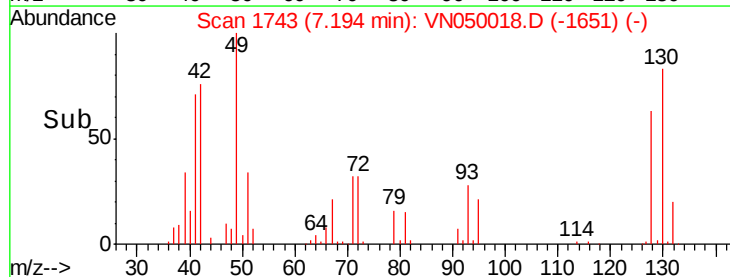
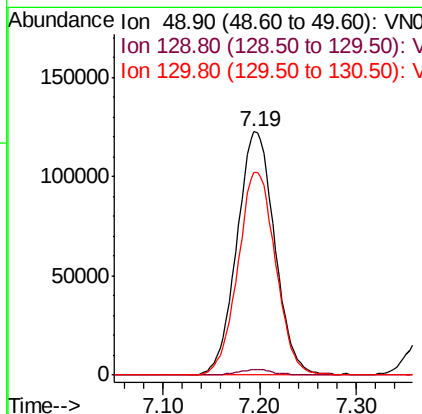
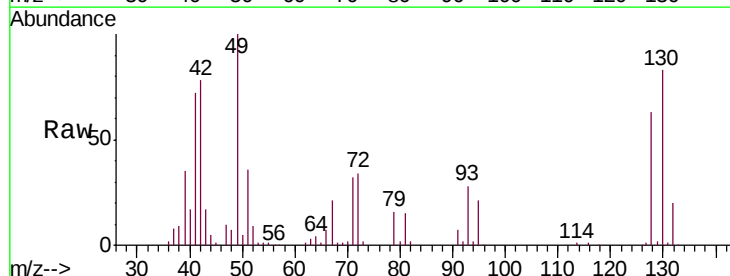
RT: 7.19 min Scan# 1743

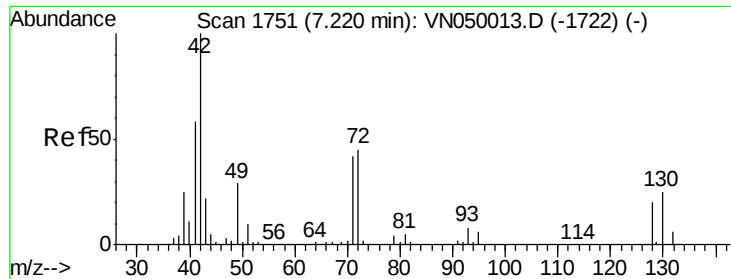
Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion:	49	Resp:	333097
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.2	66.3	99.5





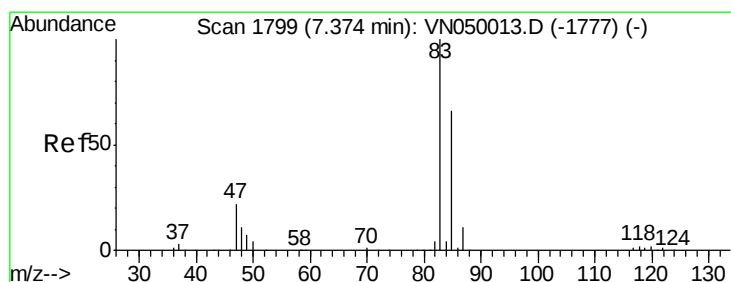
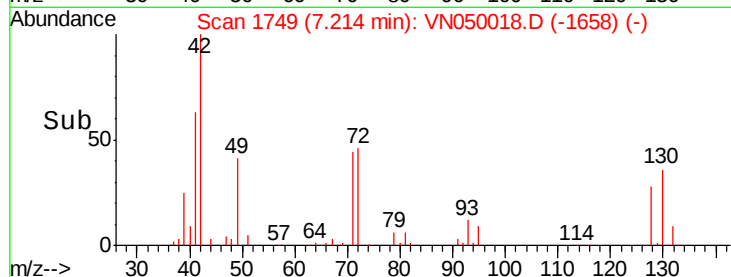
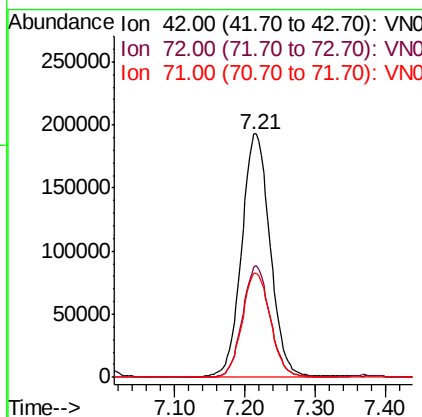
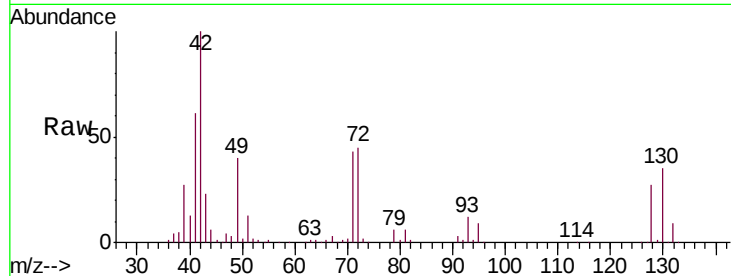
#29
Tetrahydrofuran
Concen: 230.47 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.9	53.9
71	42.6	33.7	50.5

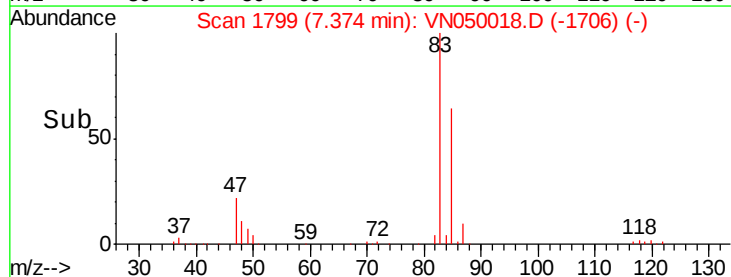
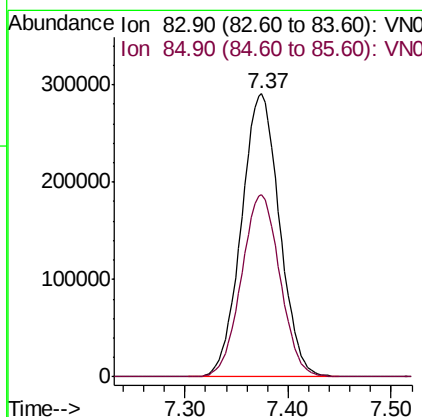
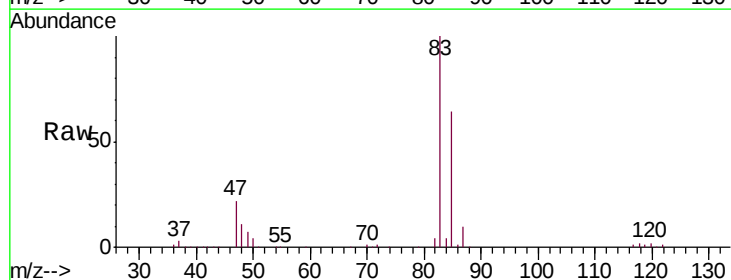
Manual Integrations
APPROVED

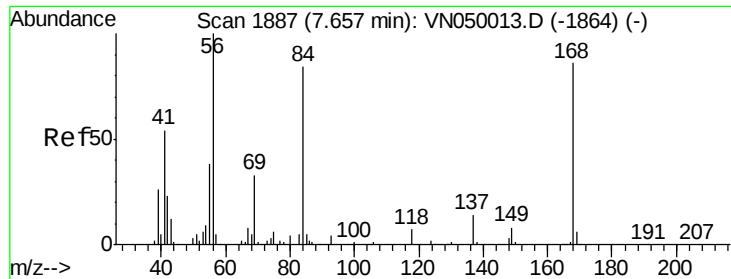
MMDadoda
7/26/2018 1:51:14 PM



#30
Chloroform
Concen: 46.12 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7





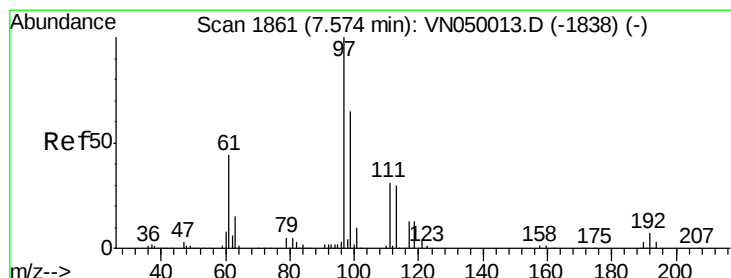
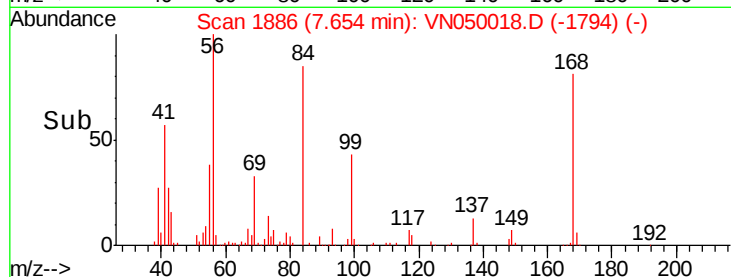
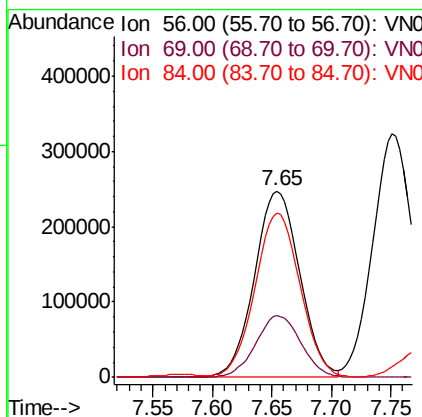
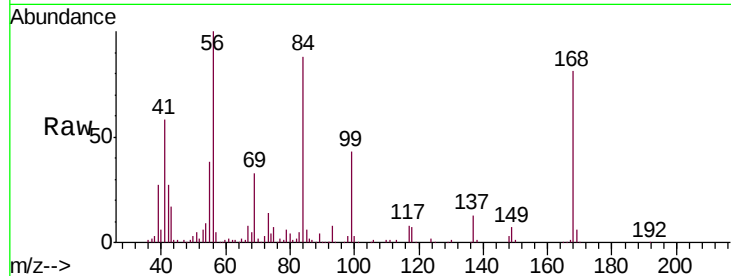
#31
Cyclohexane
Concen: 49.57 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.2	39.4
84	86.9	67.4	101.0

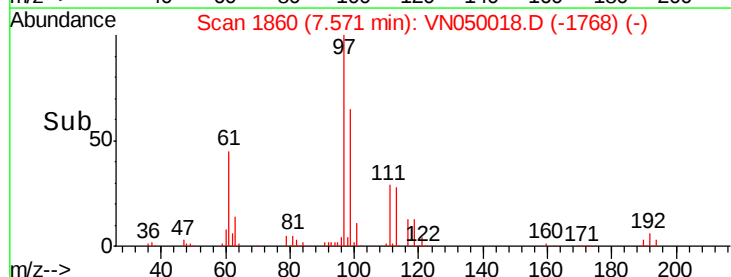
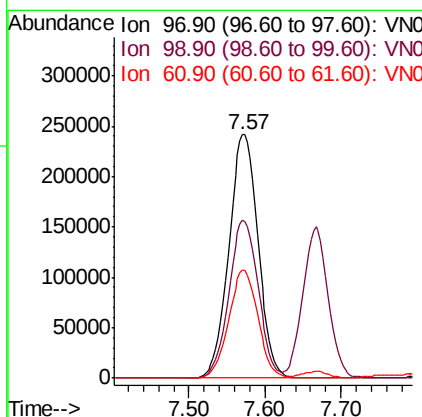
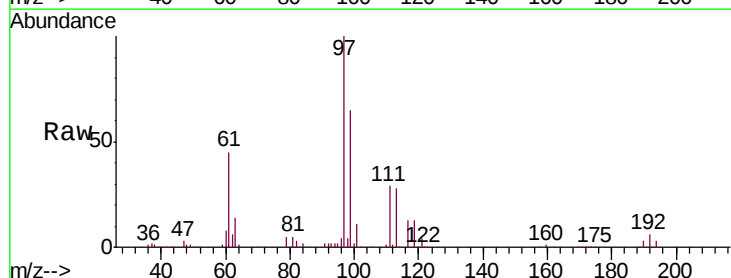
Manual Integrations
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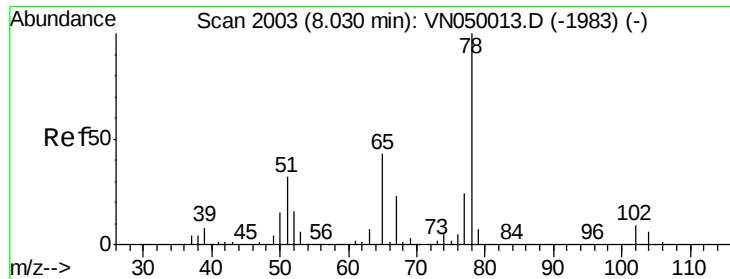
MMDadoda
7/26/2018 1:51:14 PM



#32
1,1,1-Trichloroethane
Concen: 46.51 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	44.3	35.4	53.0





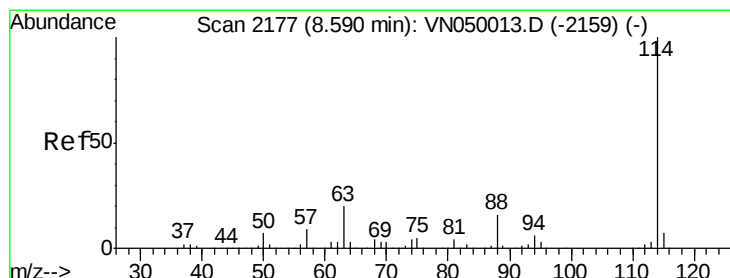
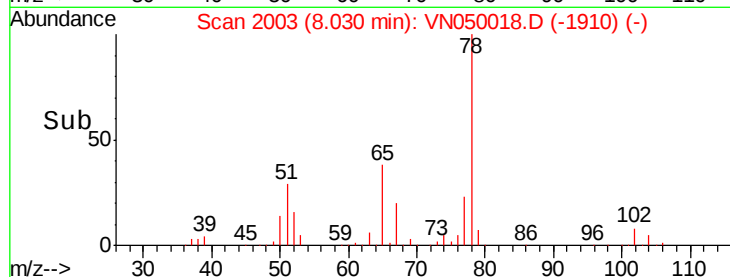
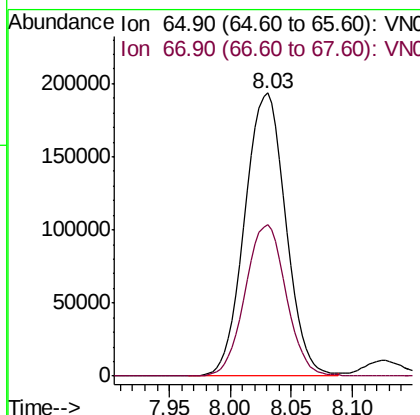
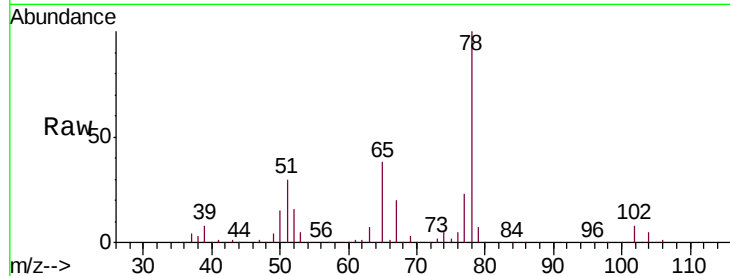
#33
 1,2-Dichloroethane-d4
 Concen: 47.19 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	451011		
67	53.2	0.0	108.4	

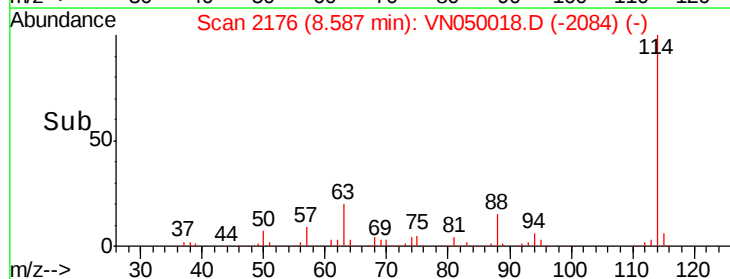
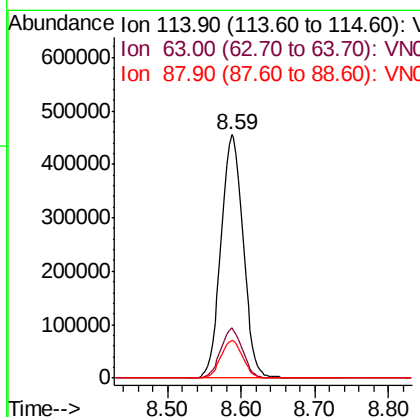
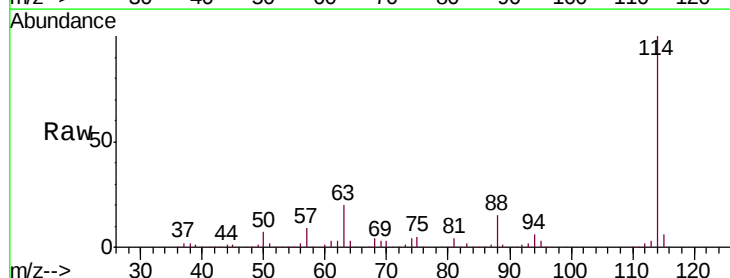
Manual Integrations
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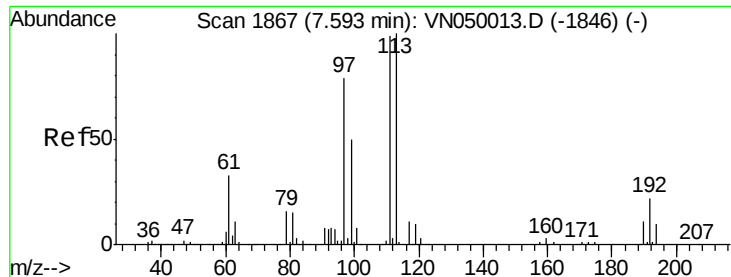
MMDadoda
 7/26/2018 1:51:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	952322		
63	20.4	0.0	40.0	
88	15.5	0.0	31.2	





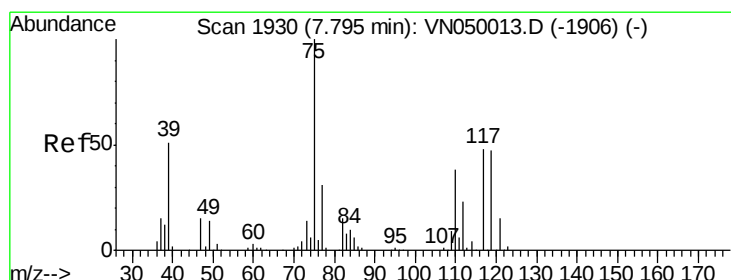
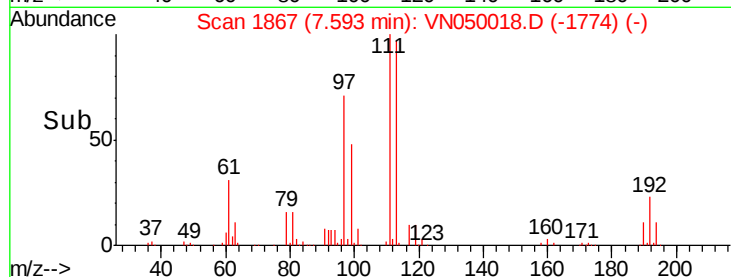
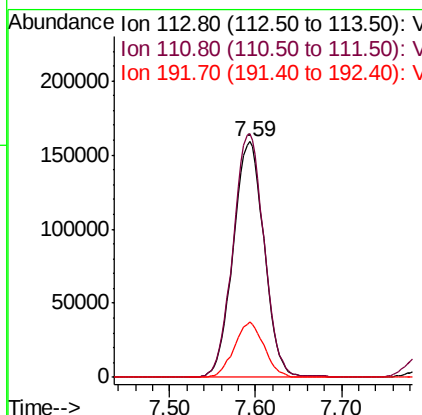
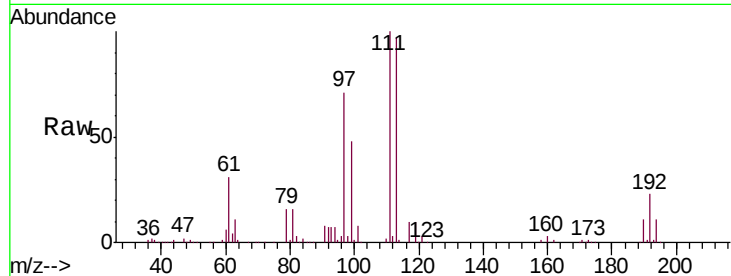
#35
Dibromofluoromethane
Concen: 51.31 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	80.7	121.1	
192	22.5	17.8	26.6	

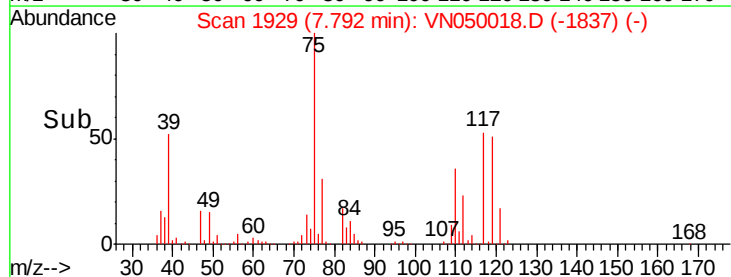
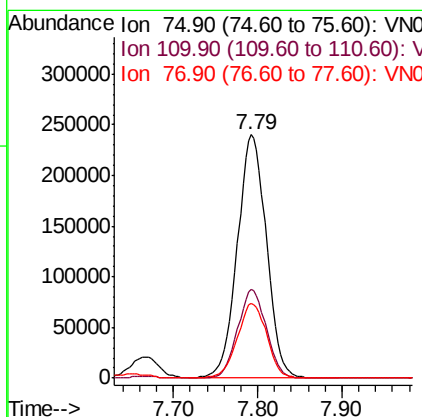
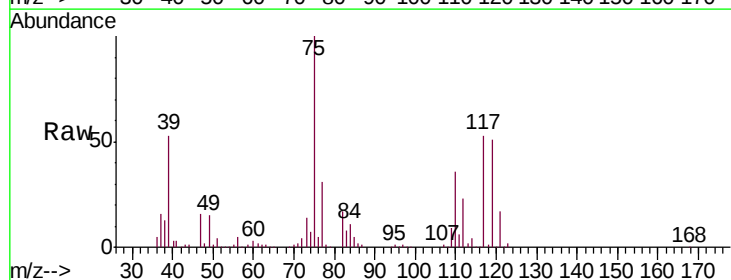
Manual Integrations
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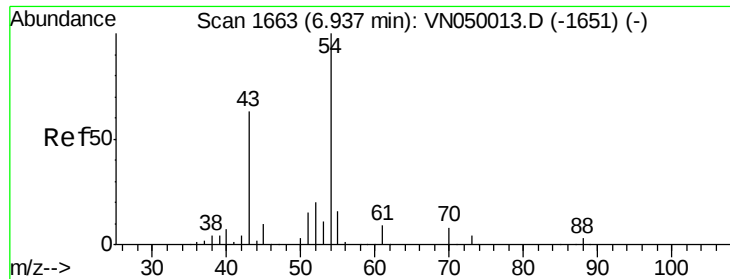
MMDadoda
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#36
1,1-Dichloropropene
Concen: 53.72 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.4	55.2	
77	31.2	25.3	37.9	





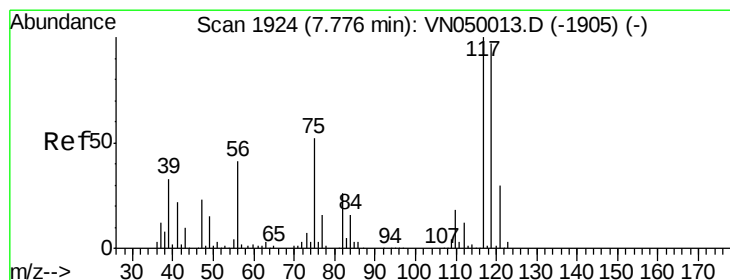
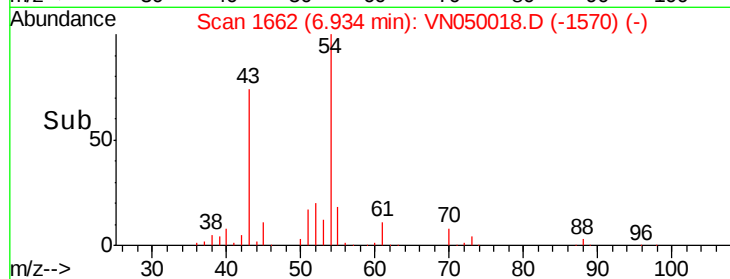
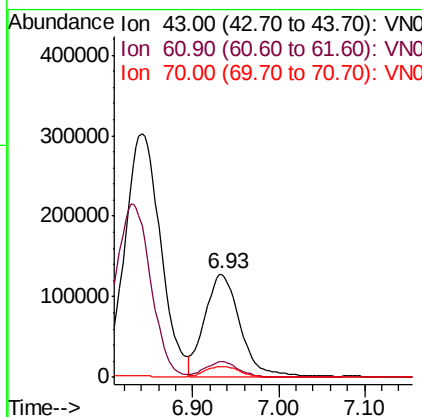
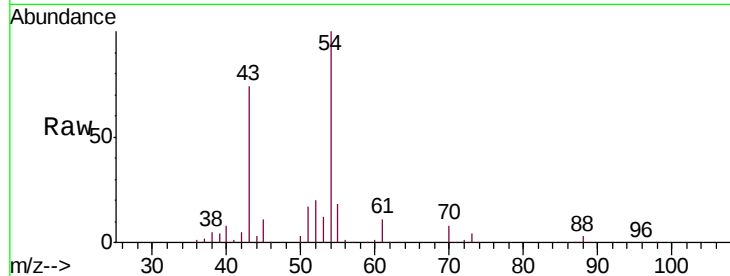
#37
Ethyl Acetate
Concen: 48.64 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.8
70	10.6	8.4	12.6

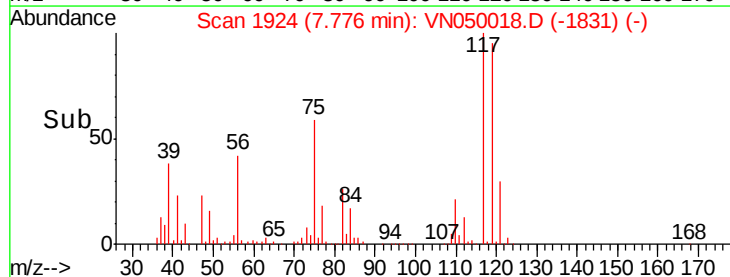
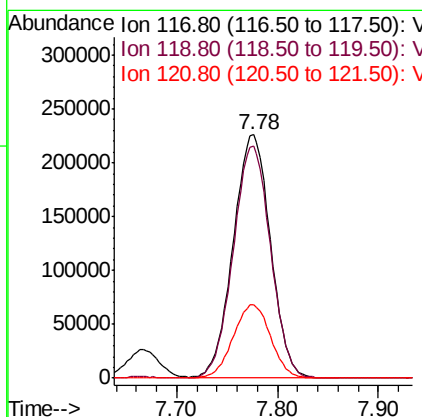
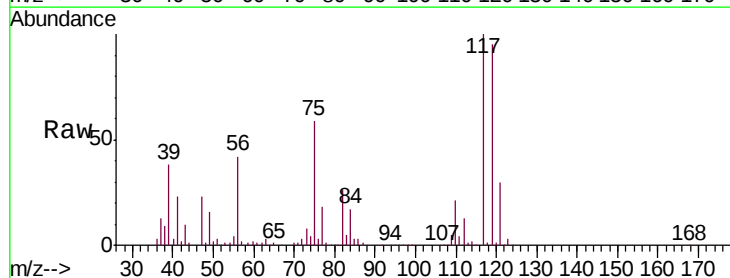
Manual Integrations
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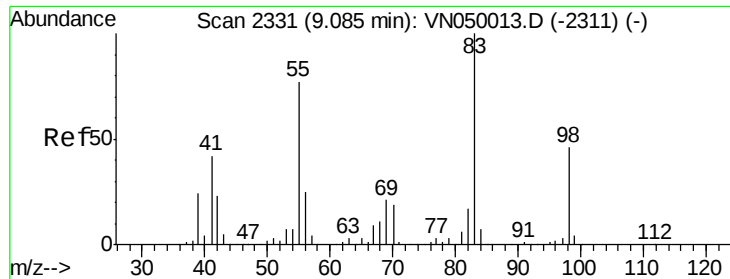
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.86 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
121	30.1	23.9	35.9





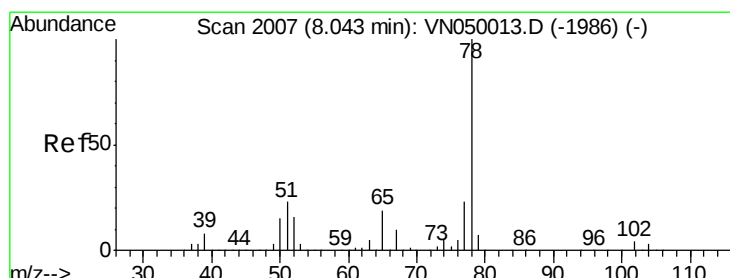
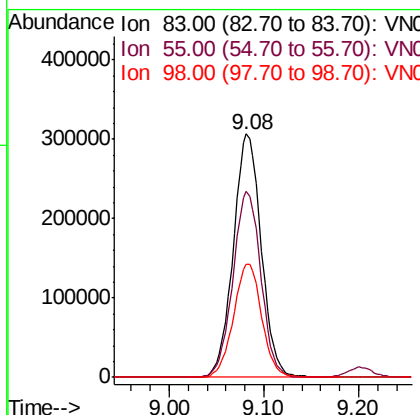
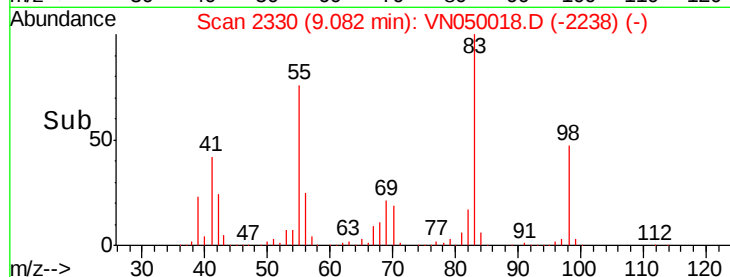
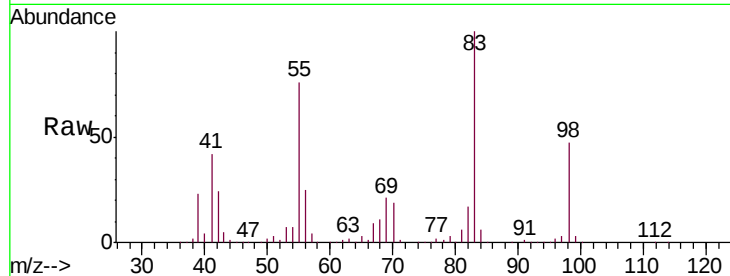
#39
Methvlcvclohexane
Concen: 56.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.8	92.8
98	46.7	36.5	54.7

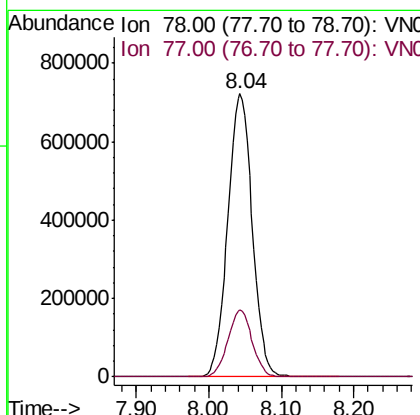
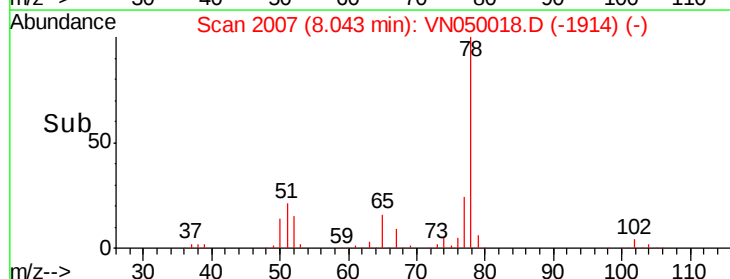
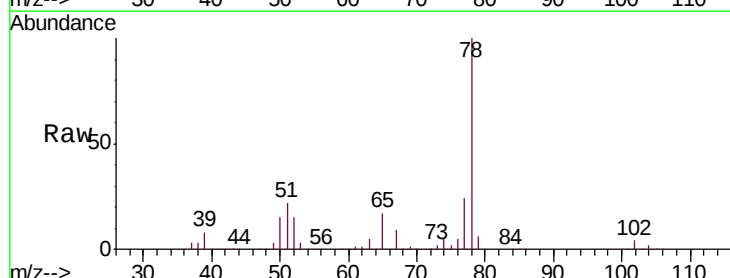
Manual Integrations
APPROVED

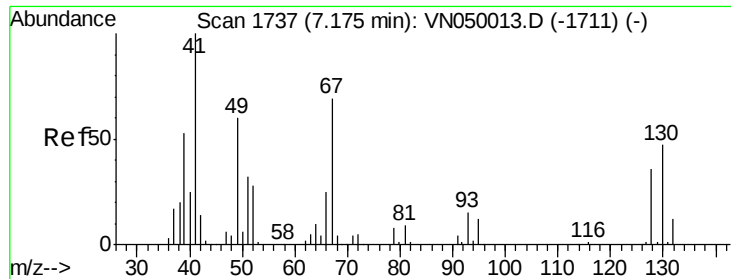
MMDadoda
7/26/2018 1:51:14 PM



#40
Benzene
Concen: 51.84 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





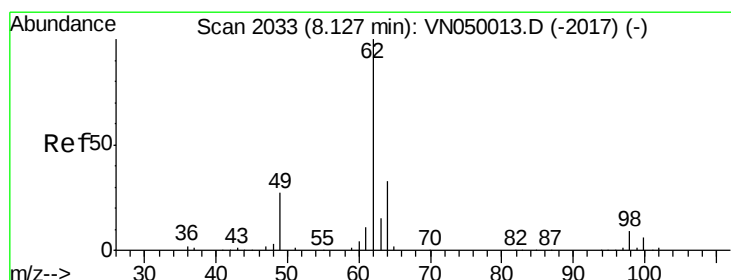
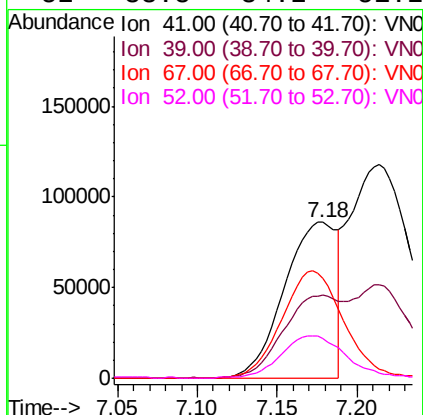
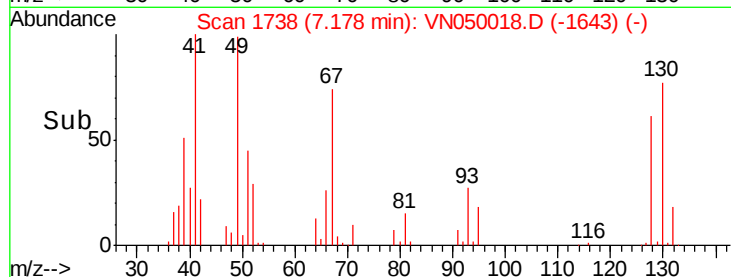
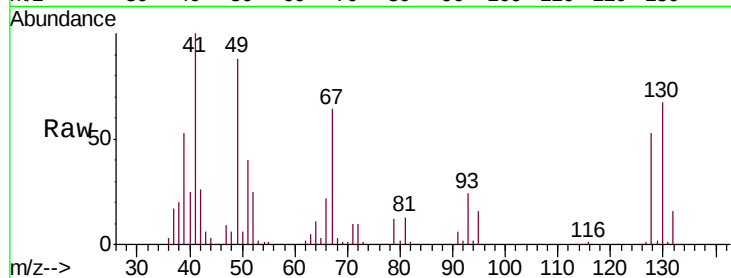
#41
Methacrylonitrile
Concen: 50.57 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	55.8	83.6
67	81.4	84.3	126.5#
52	33.8	34.2	51.2#

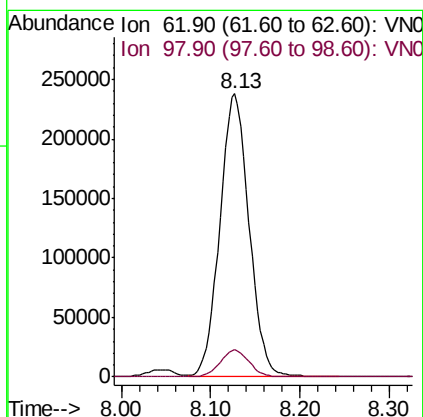
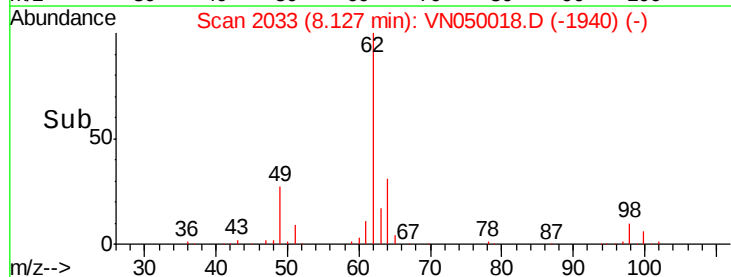
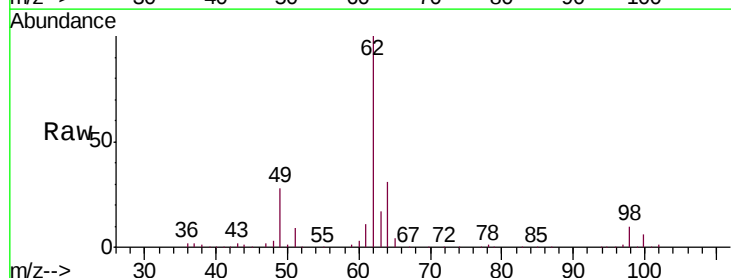
Manual Integrations
APPROVED

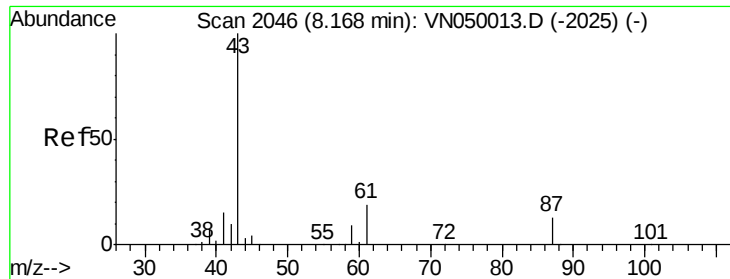
MMDadoda
7/26/2018 1:51:14 PM



#42
1,2-Dichloroethane
Concen: 49.38 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 47.63 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

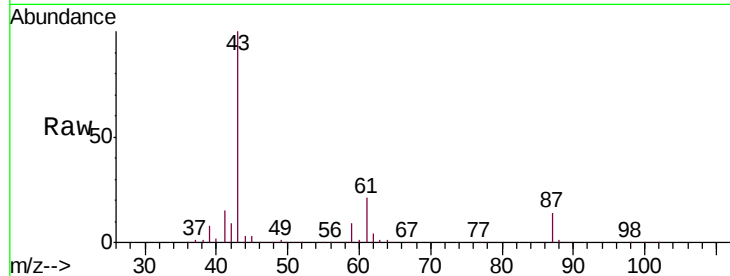
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	672217
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.6
87	13.3	10.3	15.5

Manual Integrations
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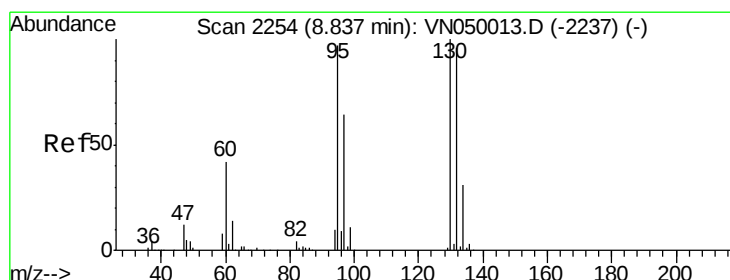
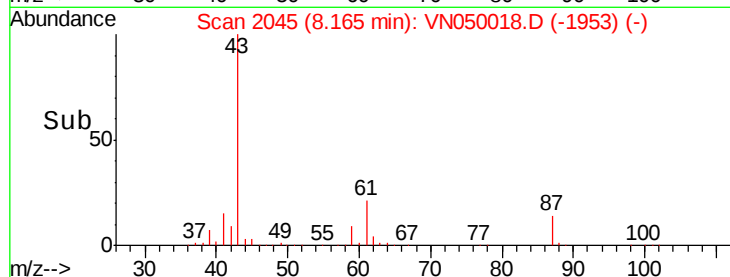
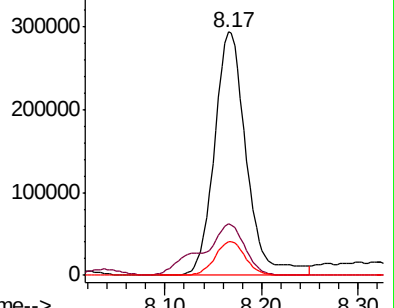
MMDadoda
7/26/2018 1:51:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050013.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050013.D (-2025) (-)



#44

Trichloroethene

Concen: 50.59 ug/l

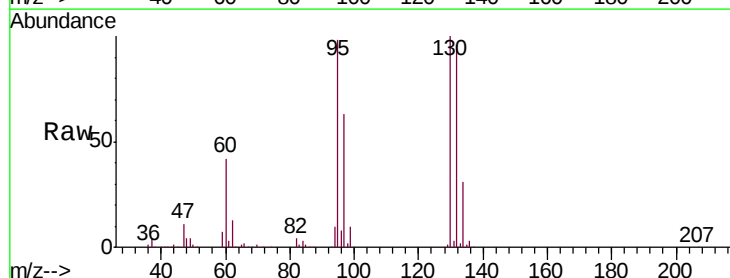
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050018.D

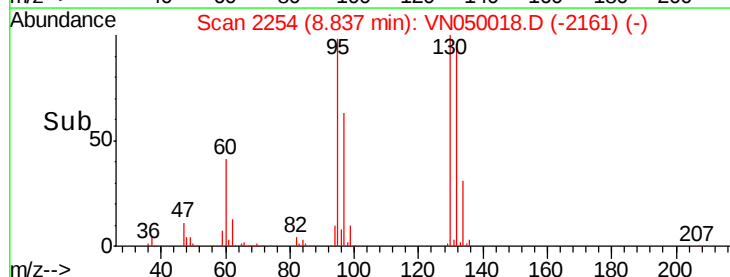
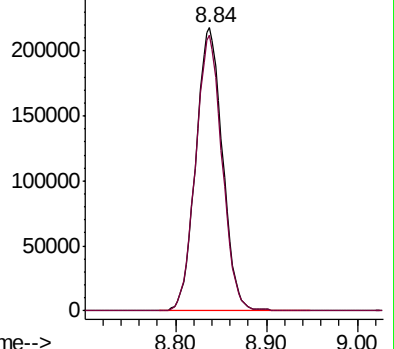
Acq: 24 Jul 2018 10:21

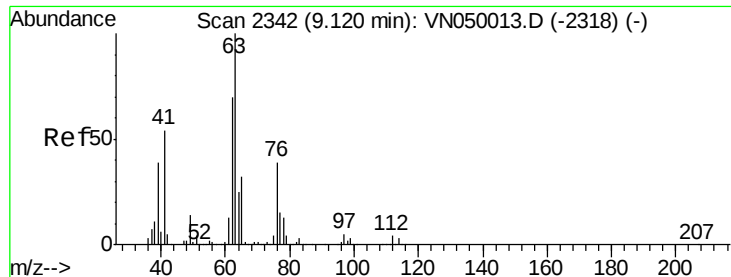
Tgt Ion:	130	Resp:	443862
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050013.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050013.D (-2237) (-)





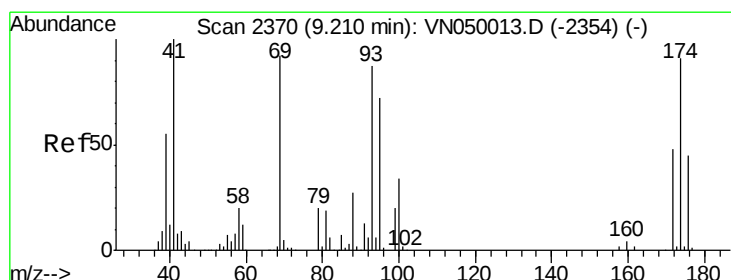
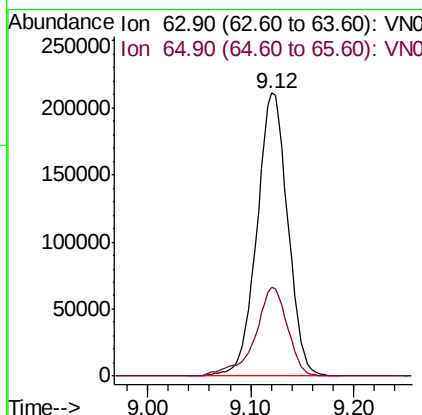
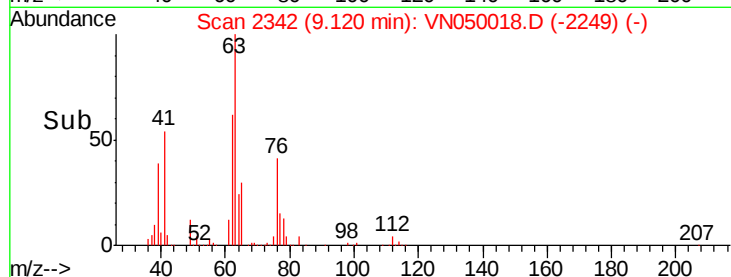
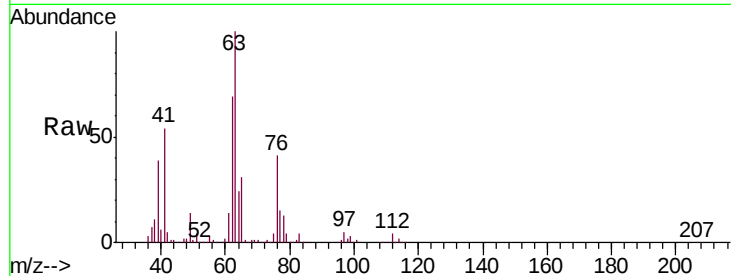
#45
 1,2-Dichloropropane
 Concen: 50.59 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 437448
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.5 38.3

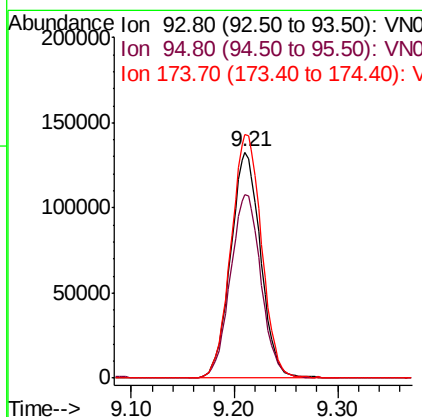
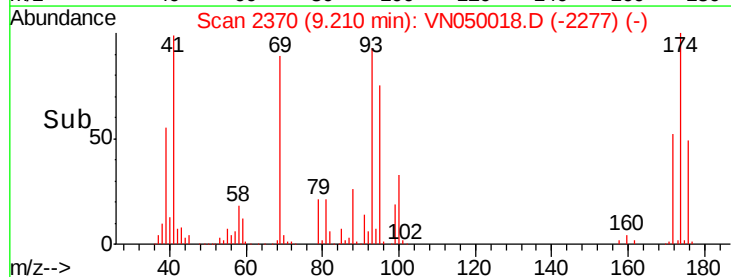
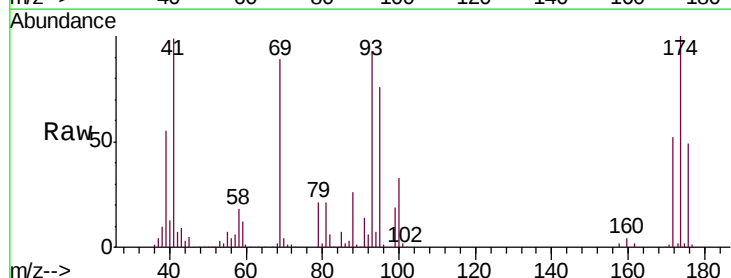
Manual Integrations
 APPROVED

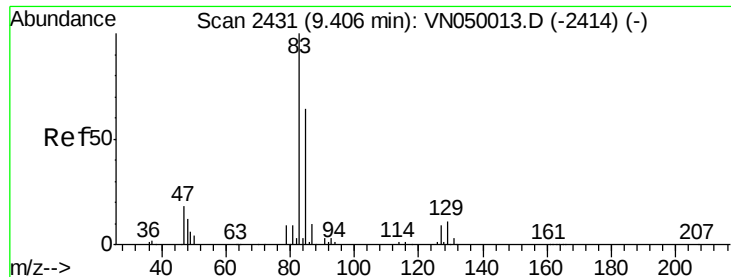
MMDadoda
 7/26/2018 1:51:14 PM



#46
 Dibromomethane
 Concen: 50.11 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion: 93 Resp: 269052
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 109.8 87.1 130.7





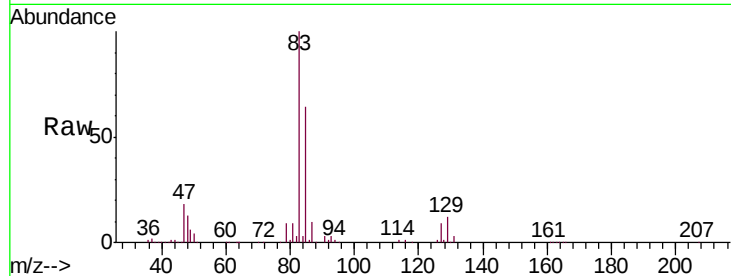
#47
Bromodichloromethane
Concen: 50.24 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

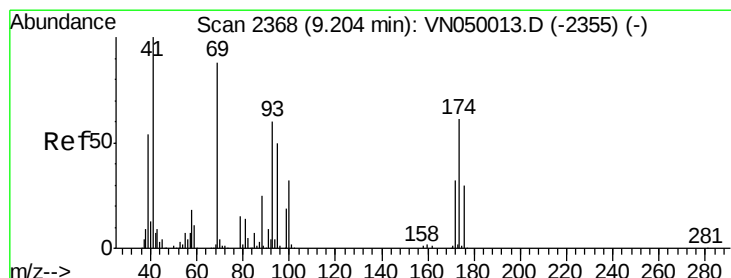
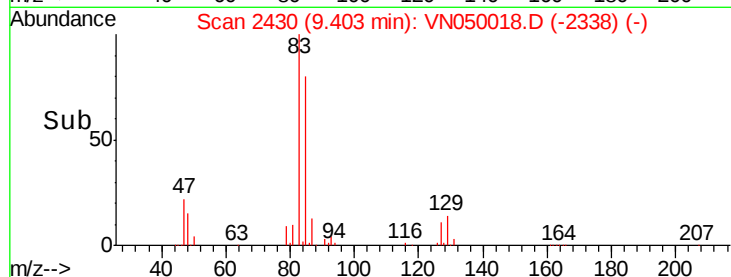
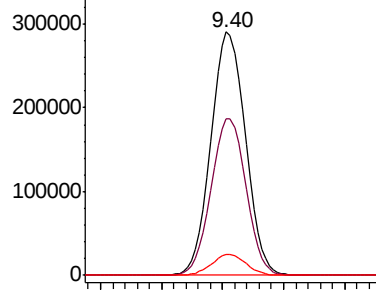
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	51.1	76.7	
127	8.8	7.0	10.4	

Manual Integrations
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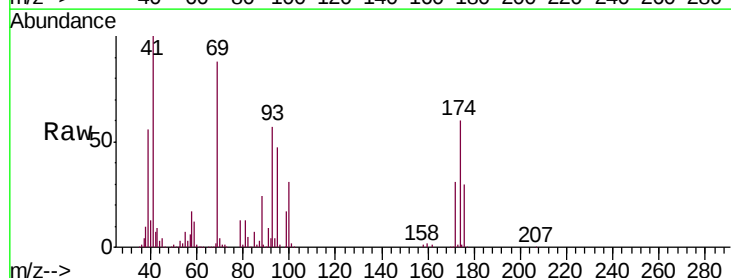


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

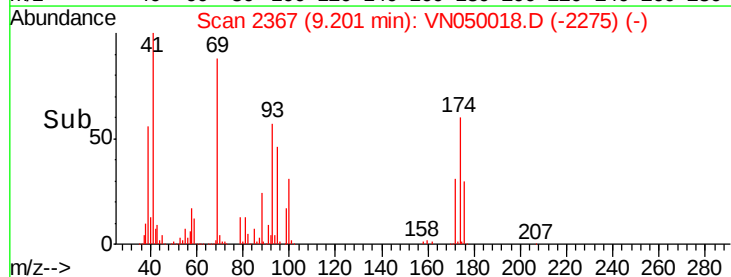
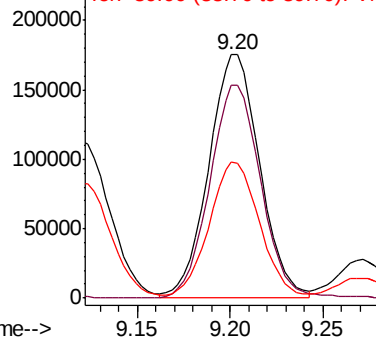


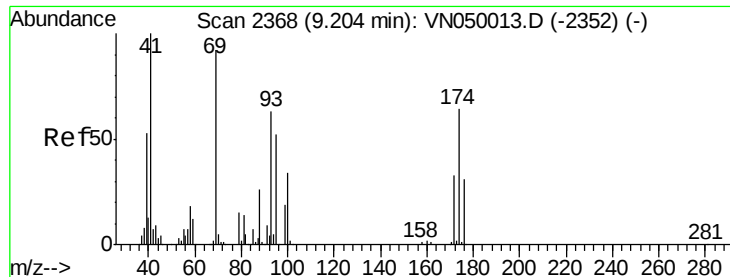
#48
Methyl methacrylate
Concen: 51.56 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.0	70.6	105.8	
39	55.3	43.9	65.9	



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





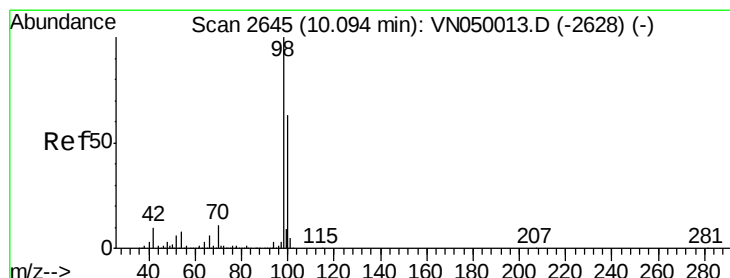
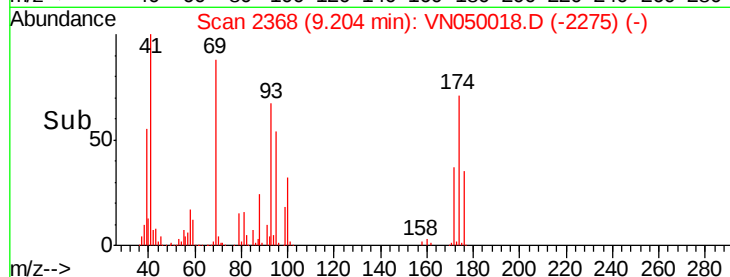
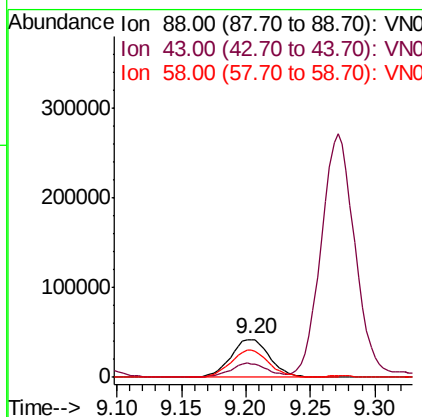
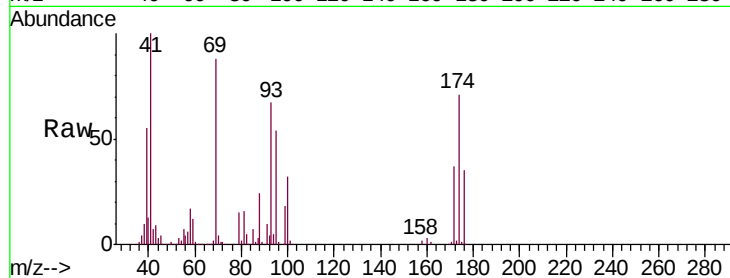
#49
1,4-Dioxane
Concen: 1013.75 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.9	40.3
58	70.5	57.3	85.9

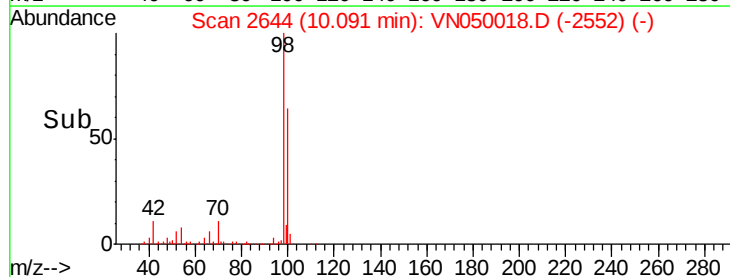
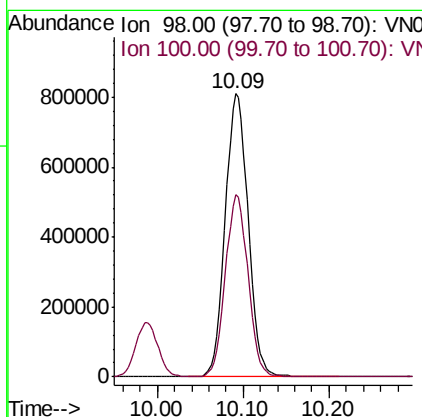
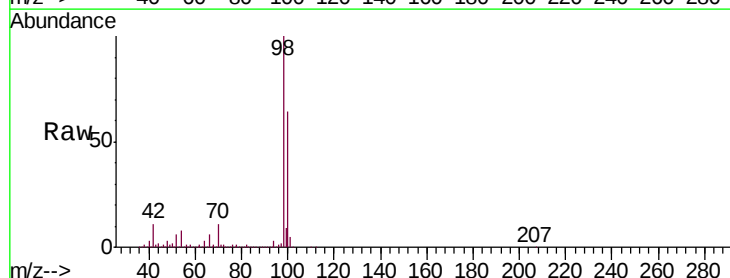
Manual Integrations
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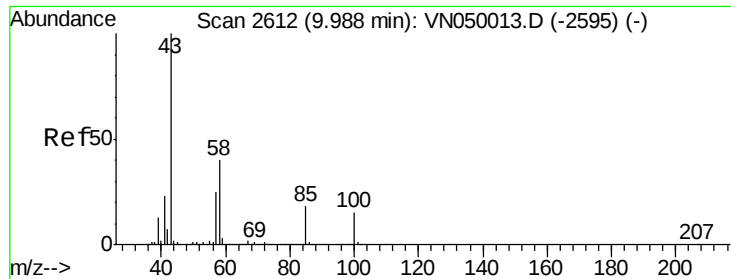
MMDadoda
7/26/2018 1:51:14 PM



#50
Toluene-d8
Concen: 52.47 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





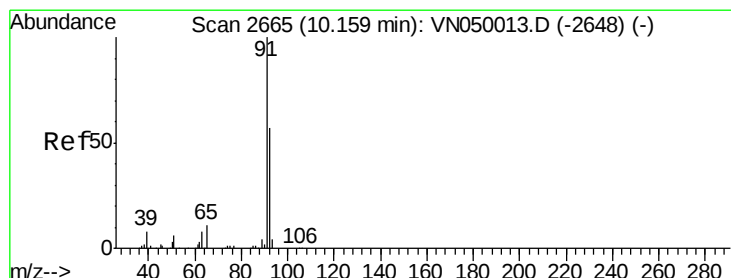
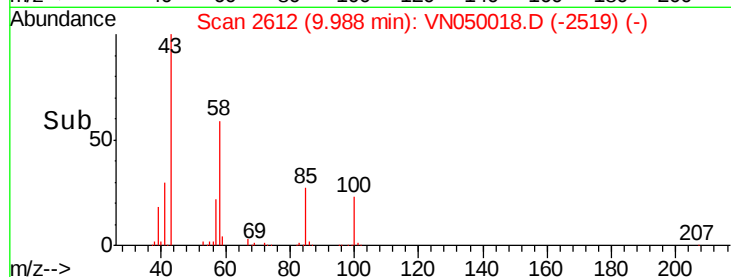
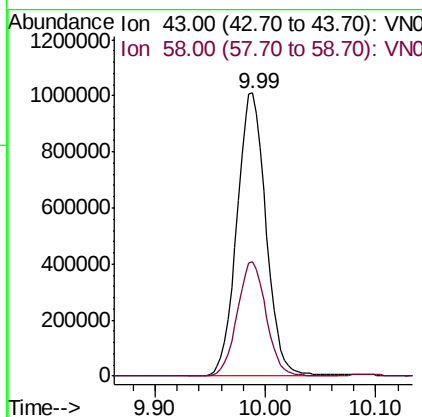
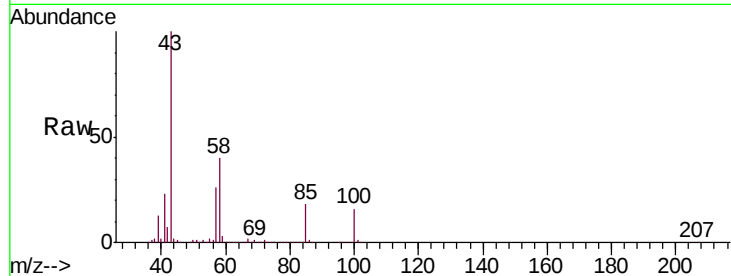
#51
4-Methyl-2-Pentanone
Concen: 250.39 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1841301
Ion Ratio Lower Upper
43 100
58 40.2 31.9 47.9

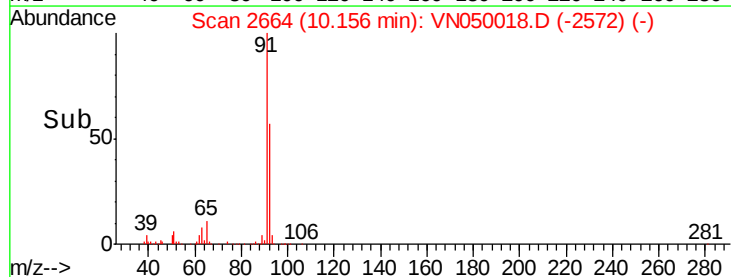
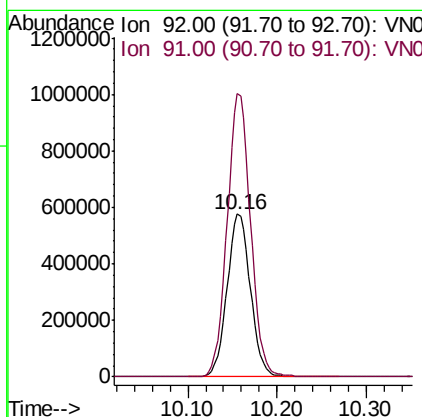
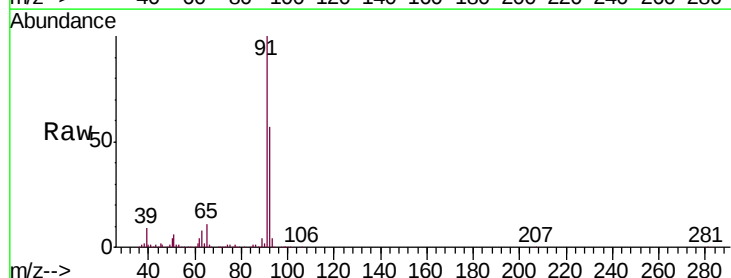
Manual Integrations
APPROVED

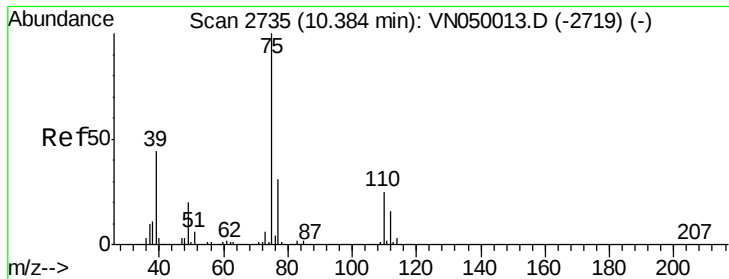
MMDadoda
7/26/2018 1:51:14 PM



#52
Toluene
Concen: 54.06 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 92 Resp: 1041795
Ion Ratio Lower Upper
92 100
91 175.1 140.3 210.5





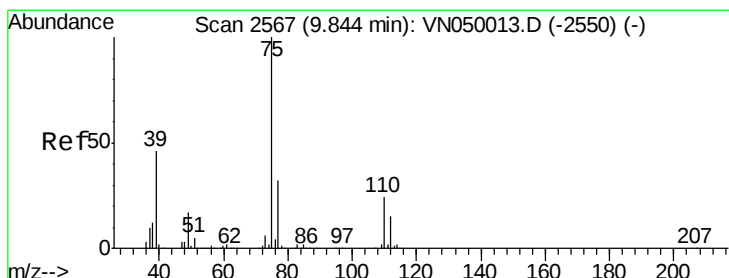
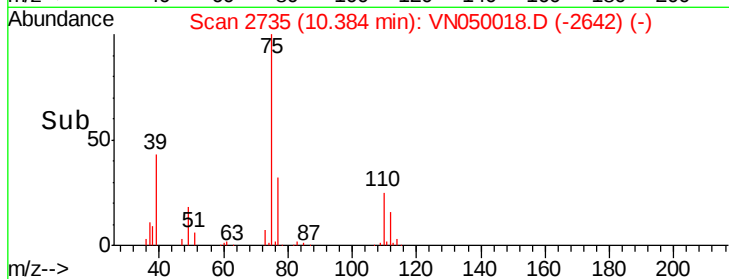
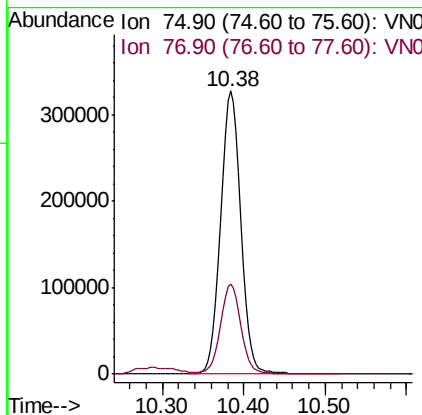
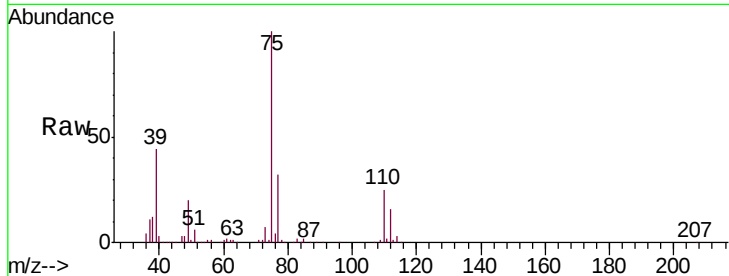
#53
t-1,3-Dichloropropene
Concen: 54.07 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 578203
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

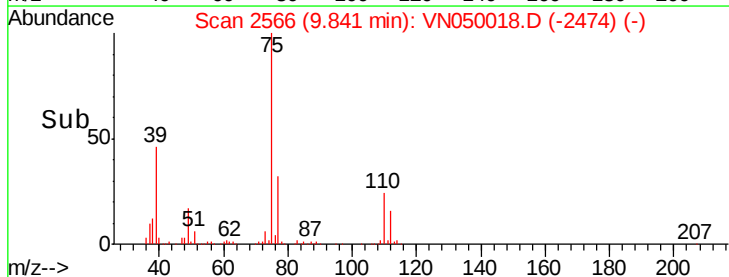
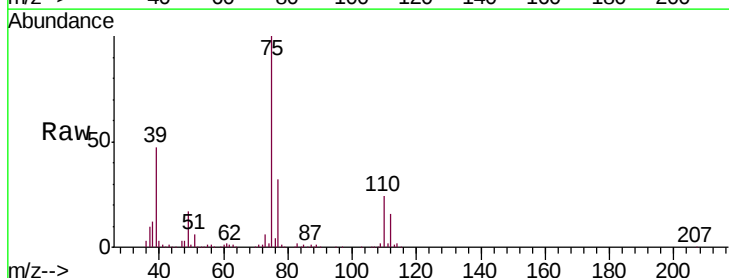
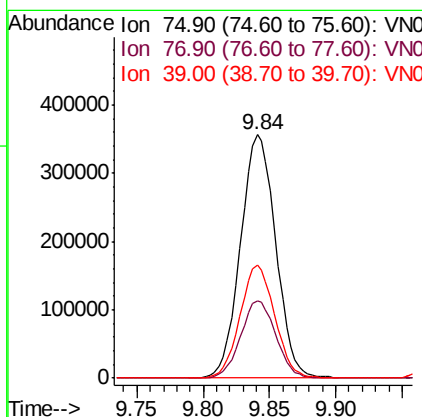
Manual Integrations
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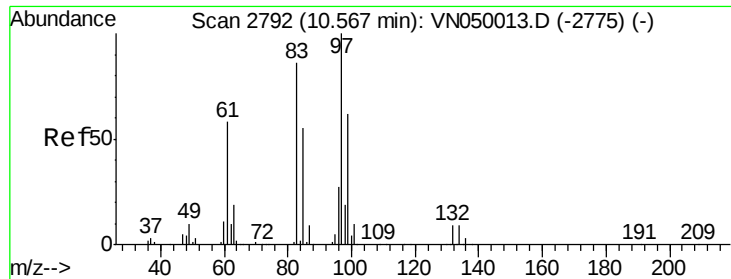
MMDadoda
7/26/2018 1:51:14 PM



#54
cis-1,3-Dichloropropene
Concen: 53.82 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 75 Resp: 657829
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 46.5 36.6 55.0





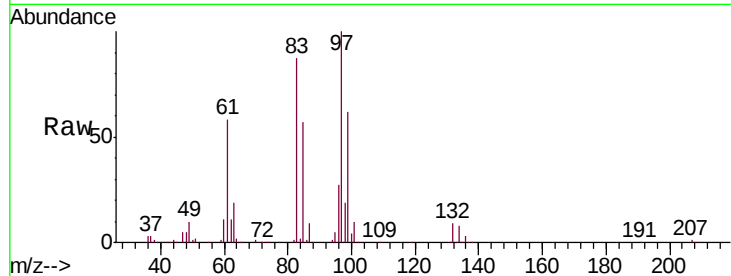
#55
 1,1,2-Trichloroethane
 Concen: 50.34 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

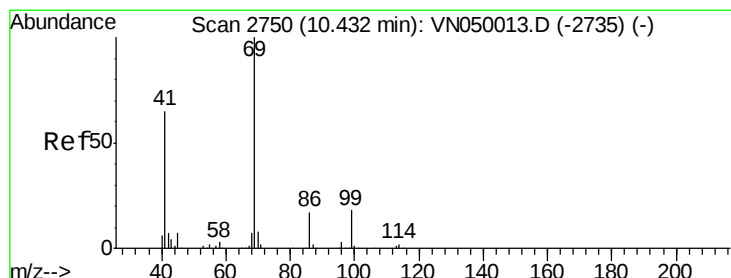
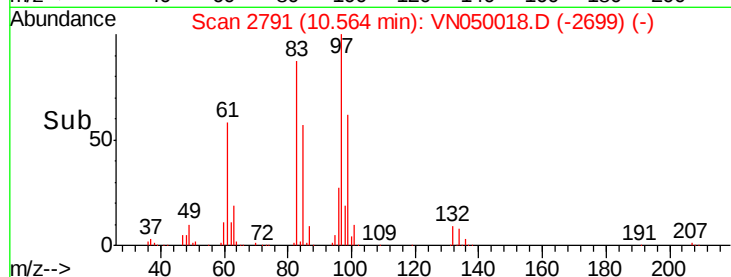
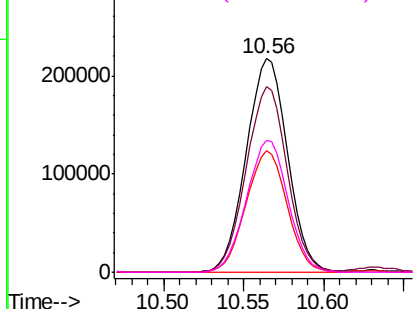
Tot Ion:	97	Resp:	384835
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.2	103.8
85	56.7	44.0	66.0
99	61.9	49.9	74.9

Manual Integrations
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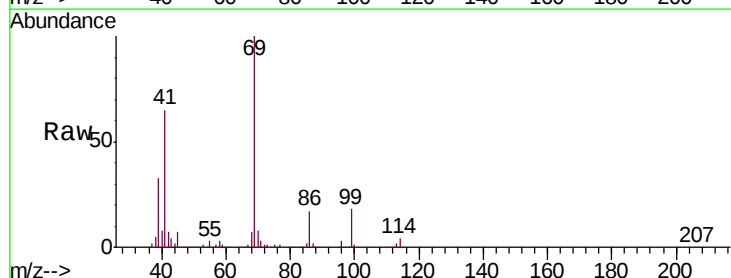


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

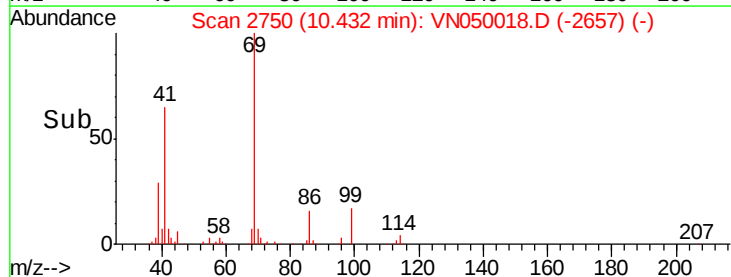
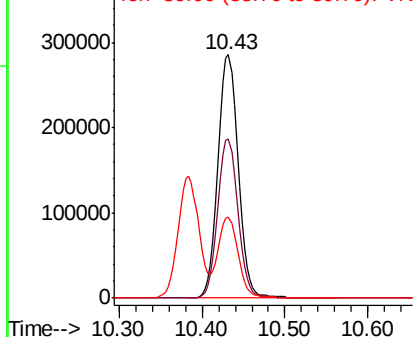


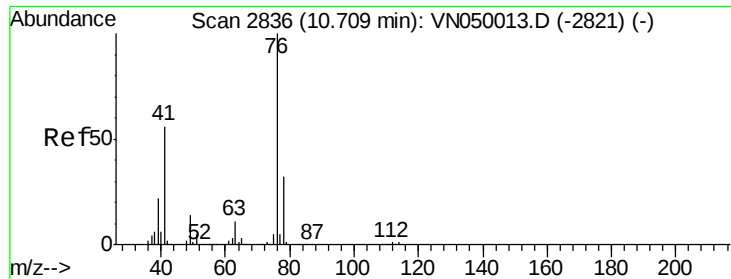
#56
 Ethyl methacrylate
 Concen: 46.93 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion:	69	Resp:	484603
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.0	76.4
39	32.8	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





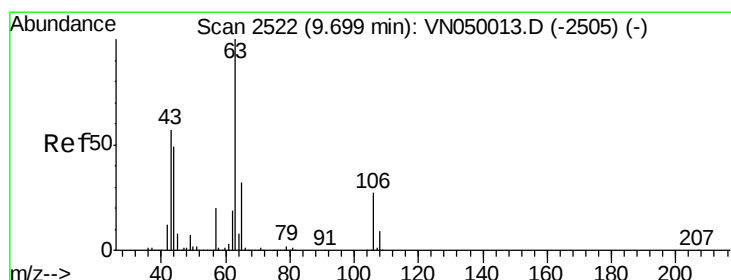
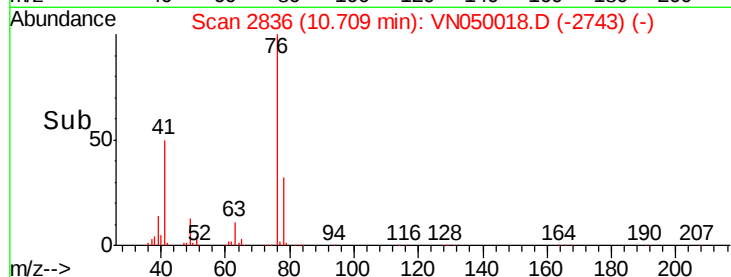
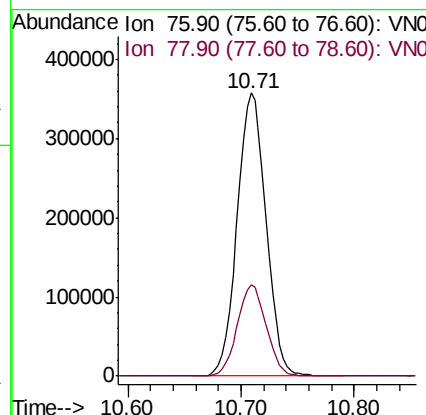
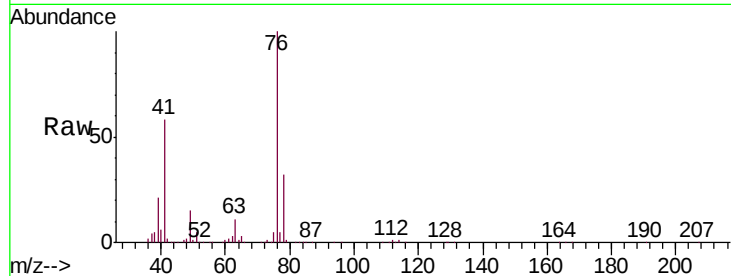
#57
 1,3-Dichloropropane
 Concen: 51.07 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 635696
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

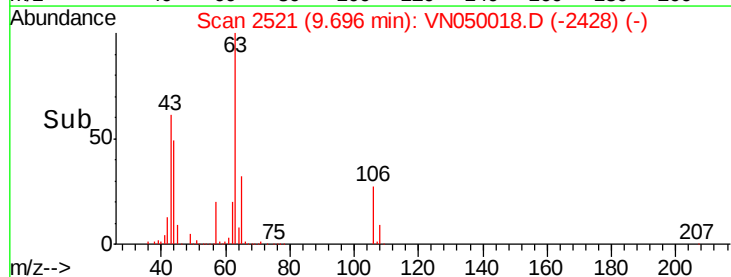
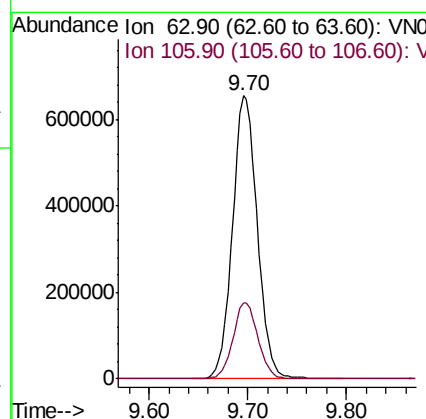
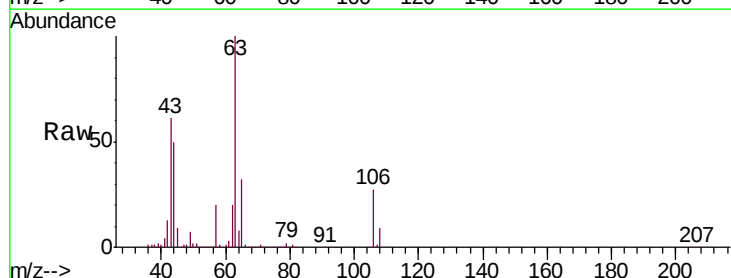
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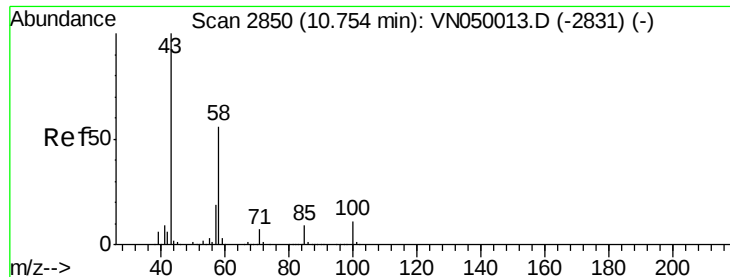
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 238.76 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion: 63 Resp: 1153140
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





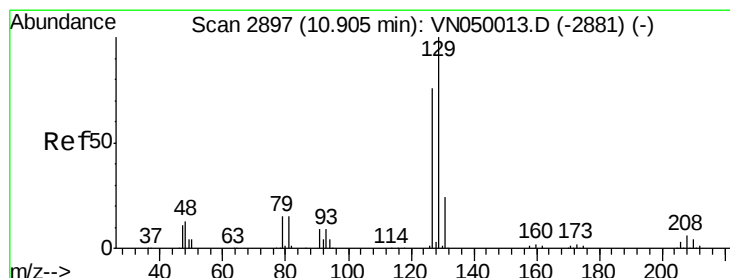
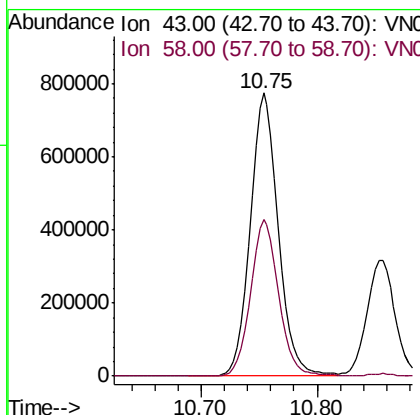
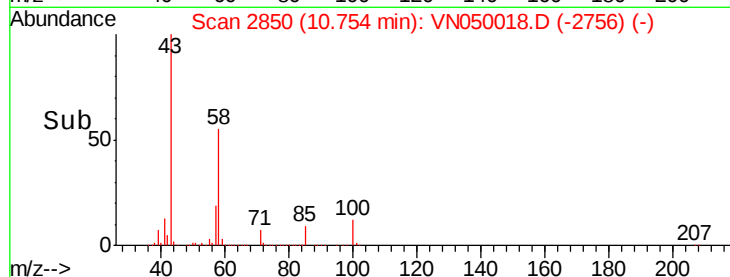
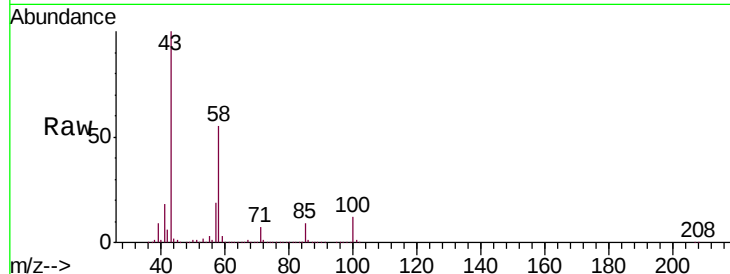
#59
2-Hexanone
Concen: 241.56 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1304312
Ion Ratio Lower Upper
43 100
58 55.5 27.6 82.7

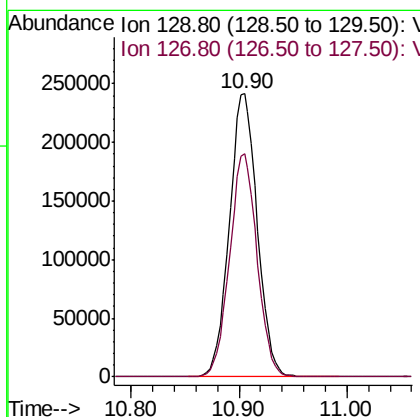
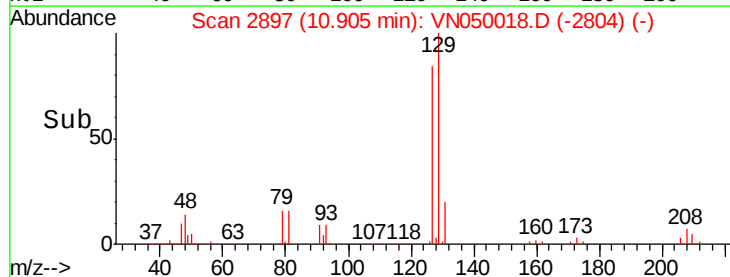
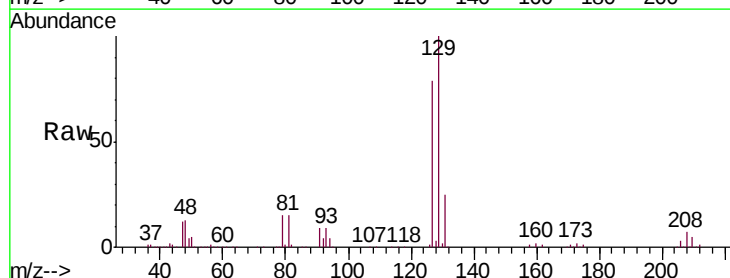
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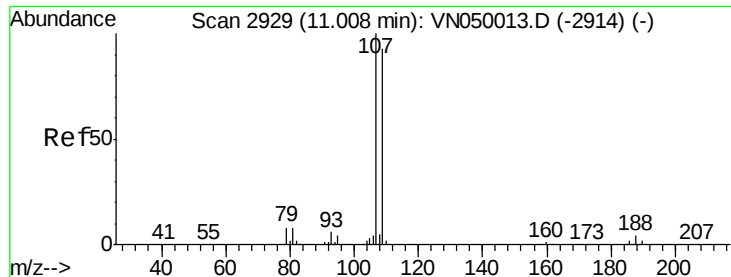
MMDadoda
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#60
Dibromochloromethane
Concen: 51.41 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 129 Resp: 435114
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9





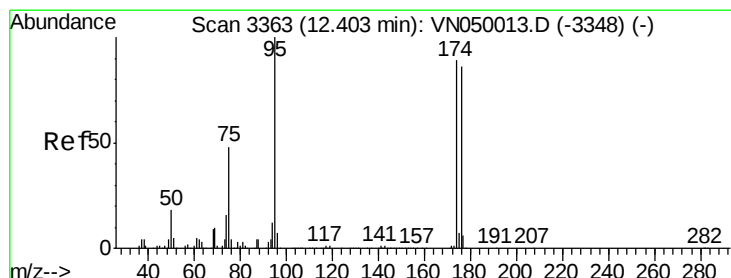
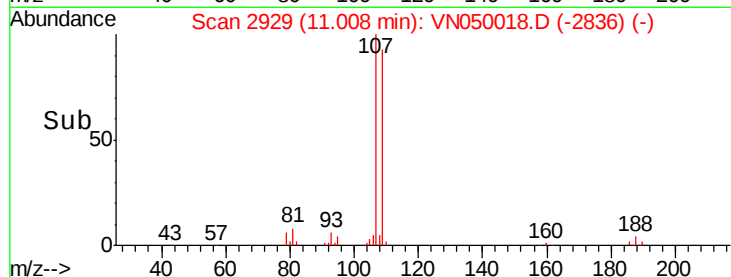
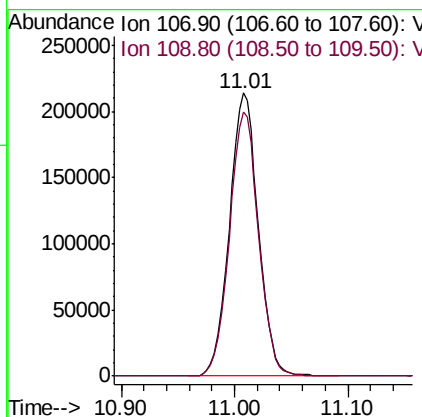
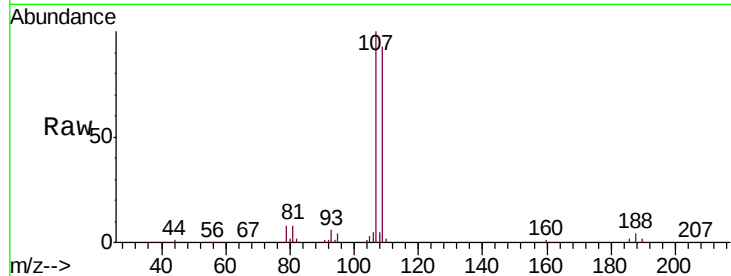
#61
 1,2-Dibromoethane
 Concen: 49.97 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	112.0

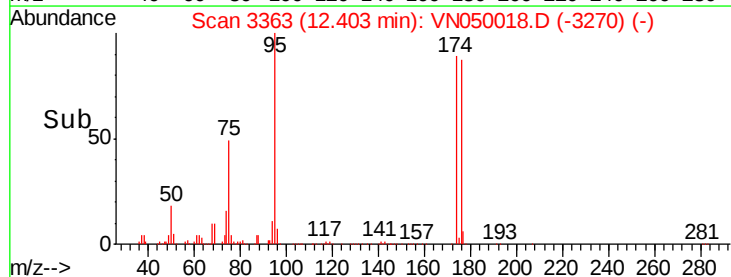
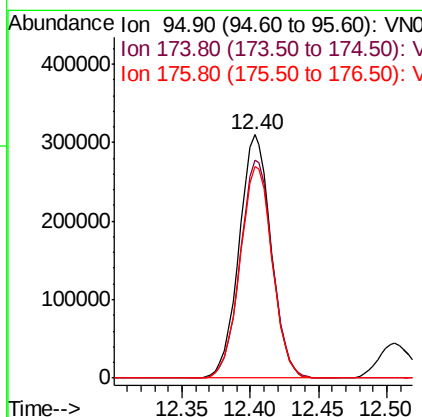
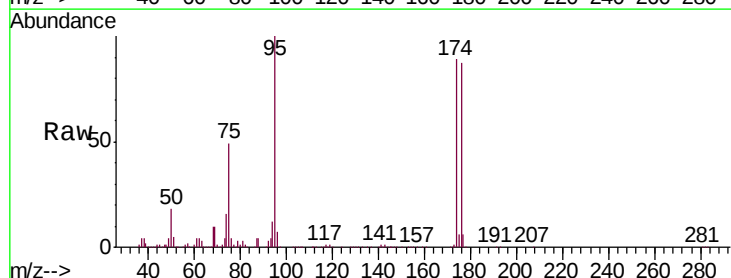
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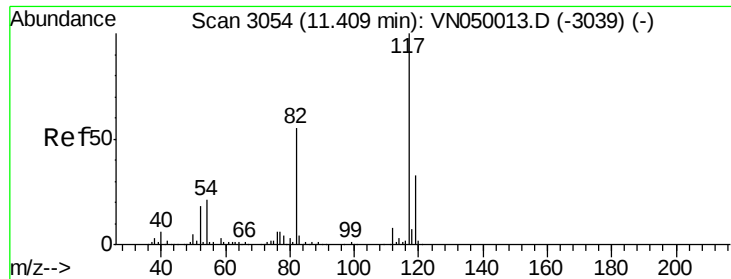
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#62
 4-Bromofluorobenzene
 Concen: 53.58 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	178.2
176	87.9	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: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

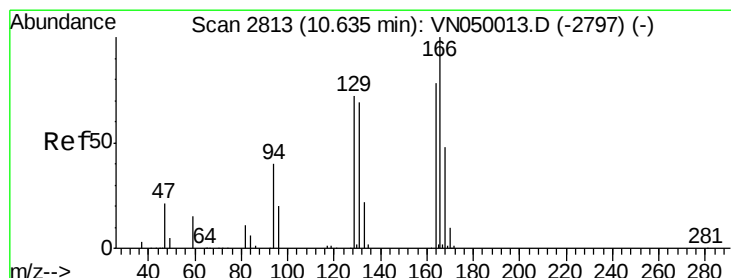
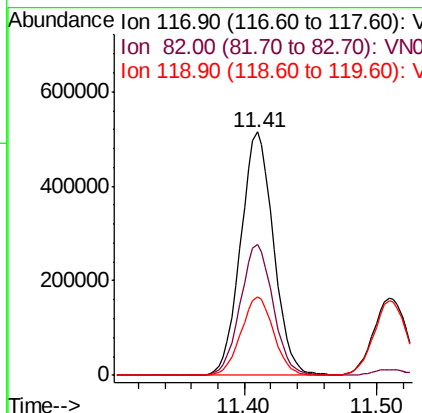
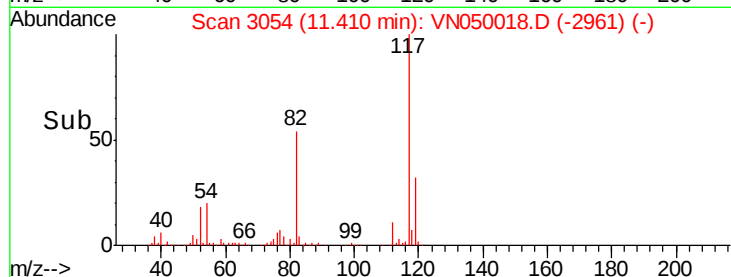
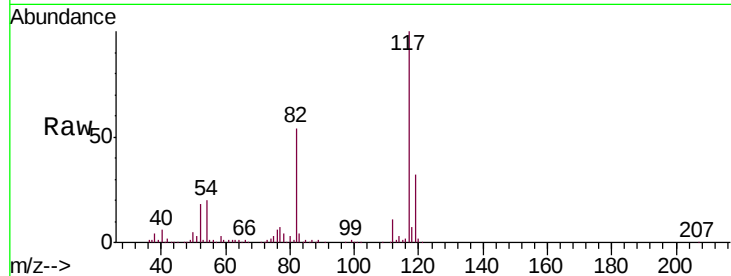
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.7	65.5
119	32.2	26.1	39.1

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#64

Tetrachloroethene

Concen: 50.29 ug/l

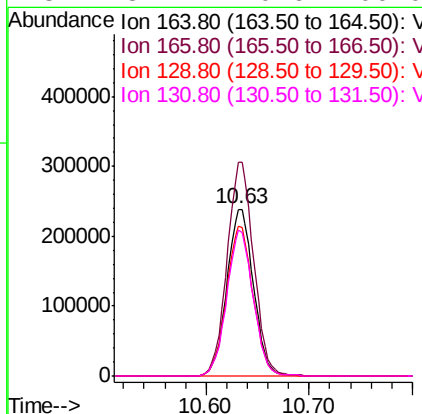
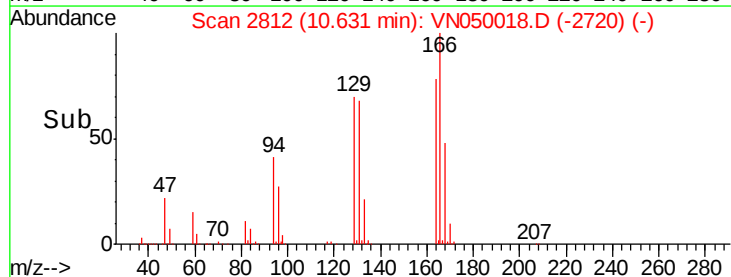
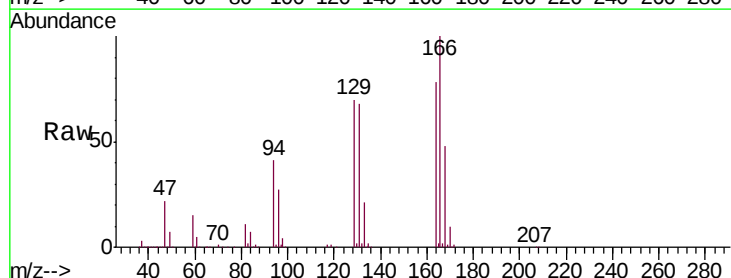
RT: 10.63 min Scan# 2812

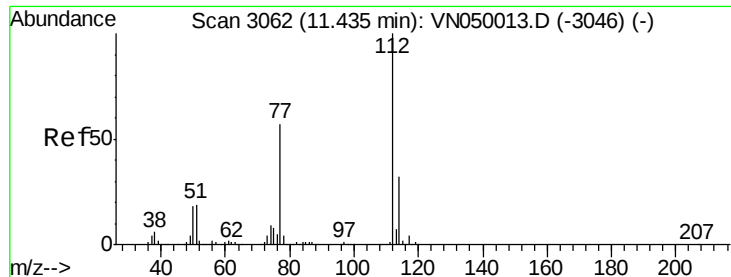
Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.1	153.1
129	89.8	73.2	109.8
131	87.4	70.6	106.0





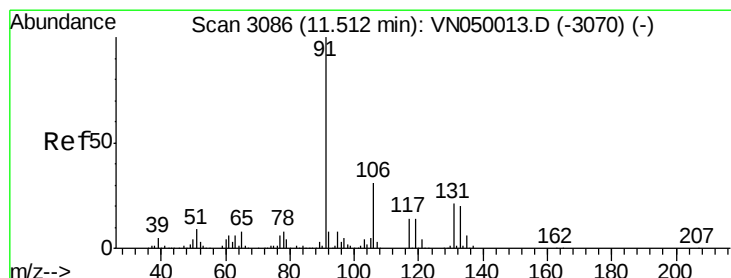
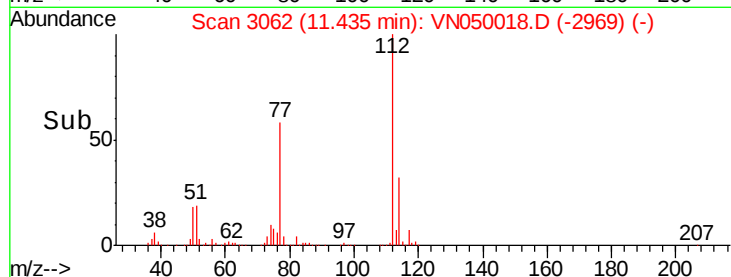
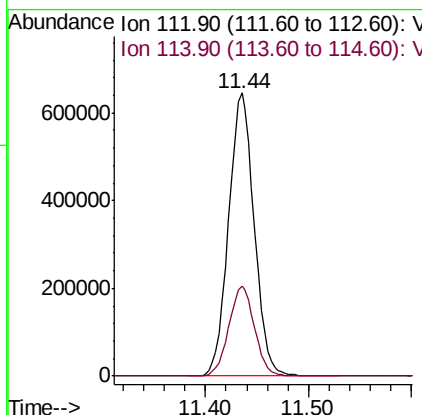
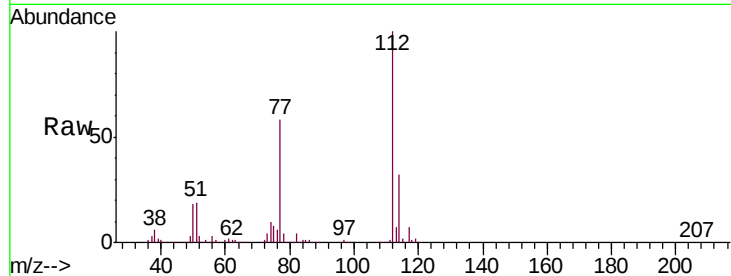
#65
Chlorobenzene
Concen: 49.82 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1114296
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

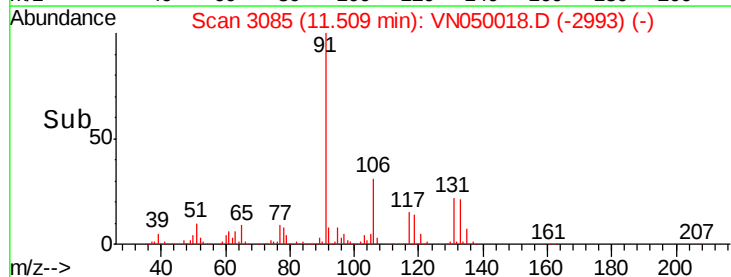
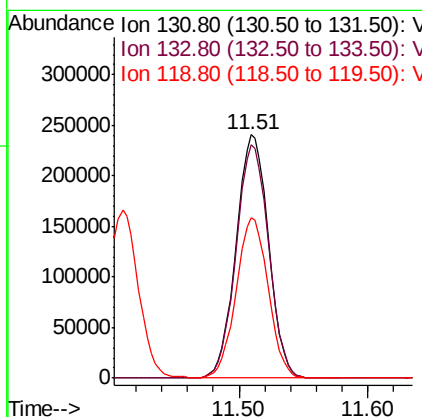
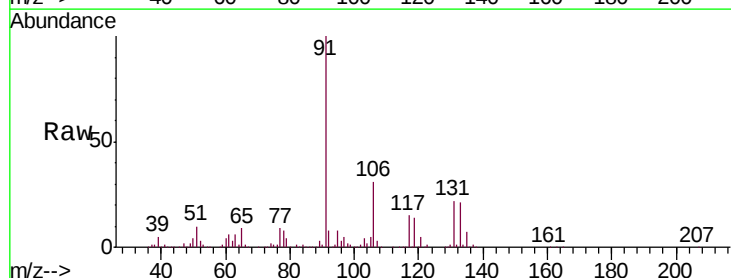
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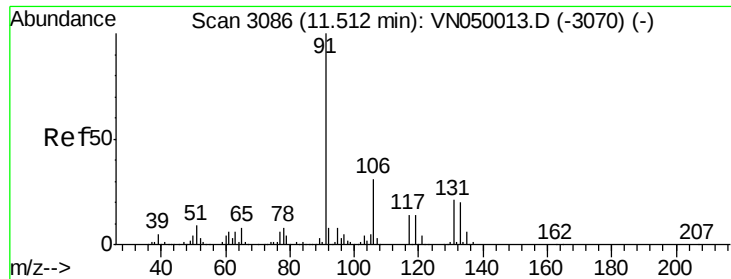
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.97 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion:131 Resp: 420885
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.9
119 65.1 32.9 98.7





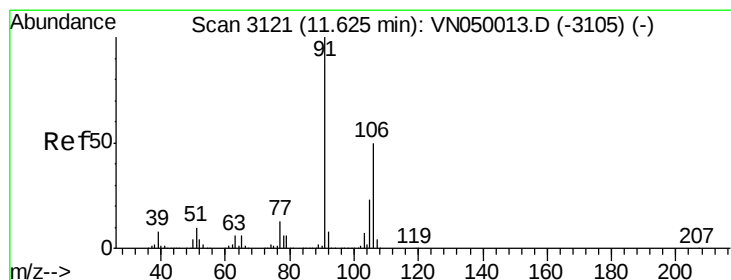
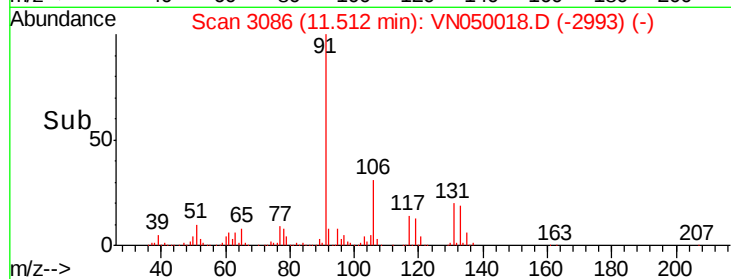
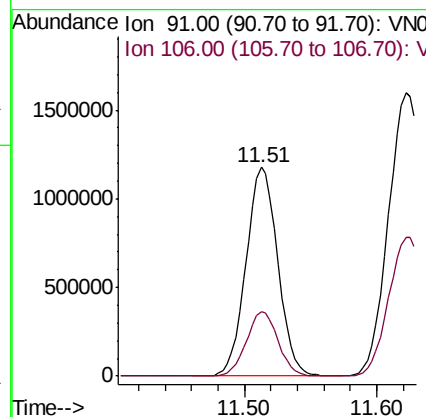
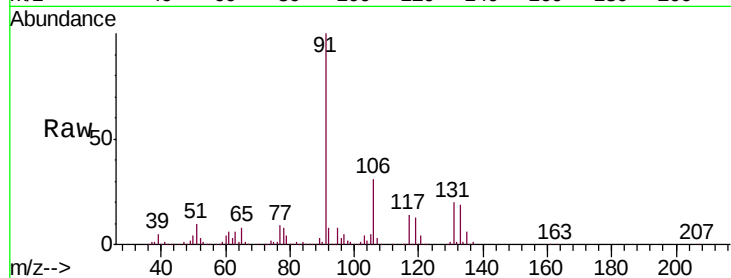
#67
Ethyl Benzene
Concen: 54.42 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1955256
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

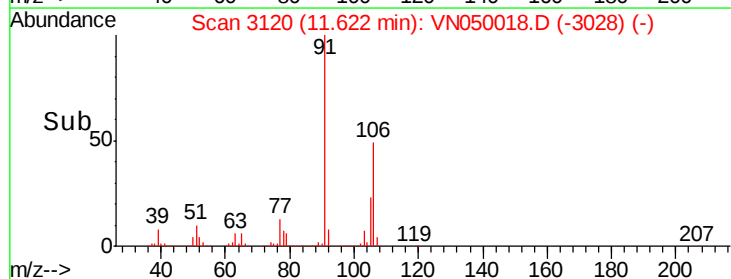
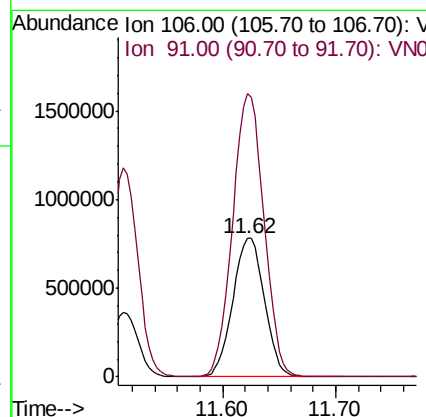
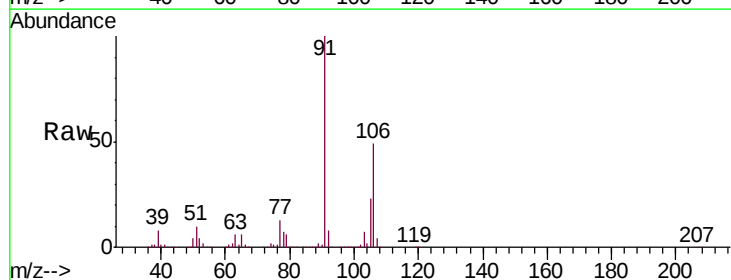
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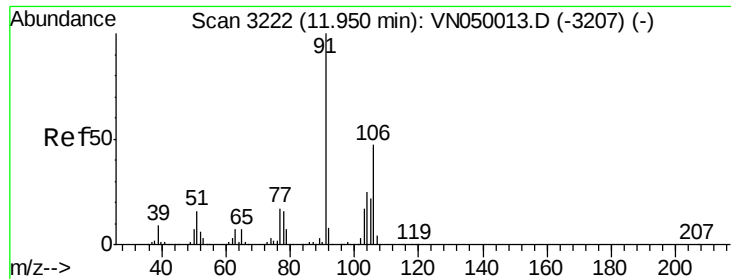
MMDadoda
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#68
m/p-Xylenes
Concen: 111.92 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion: 106 Resp: 1521063
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.2





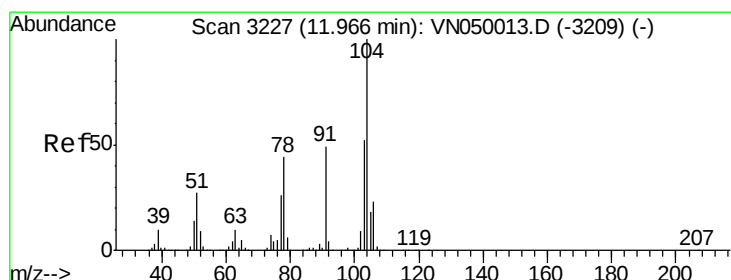
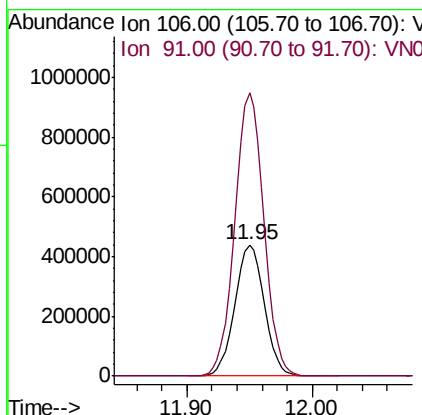
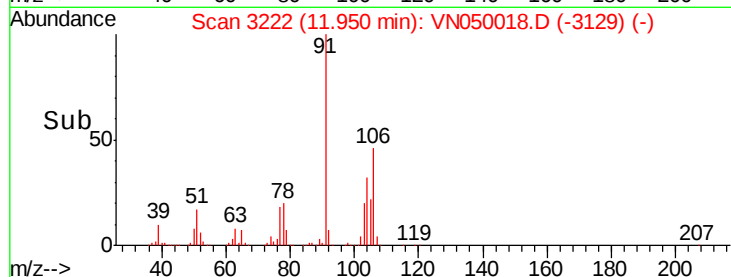
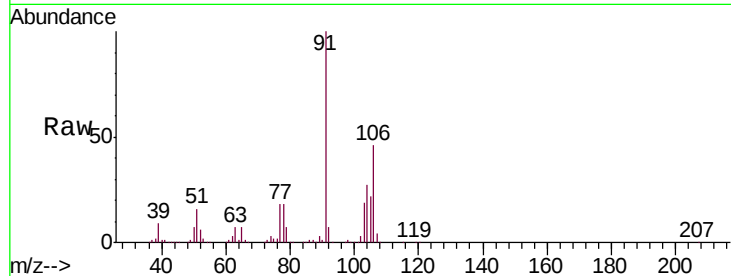
#69
o-Xylene
Concen: 55.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 715777
Ion Ratio Lower Upper
106 100
91 213.5 107.7 323.1

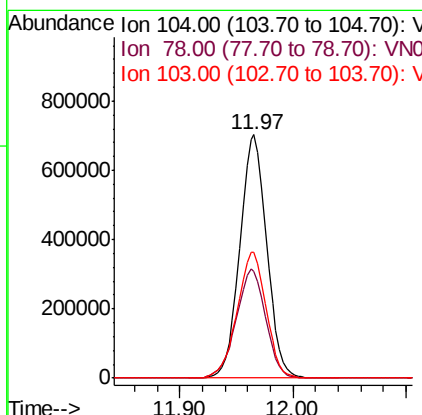
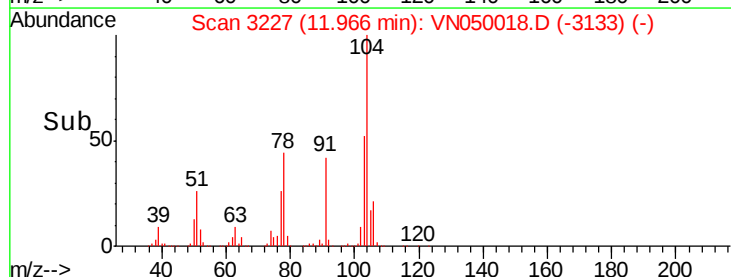
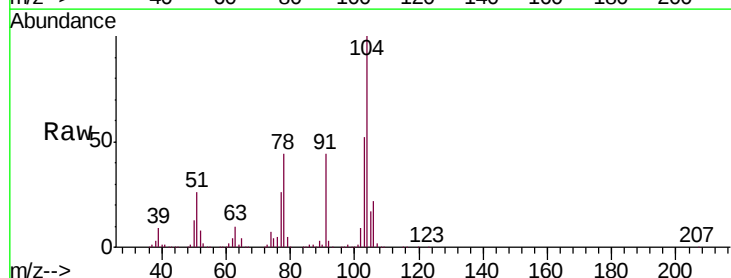
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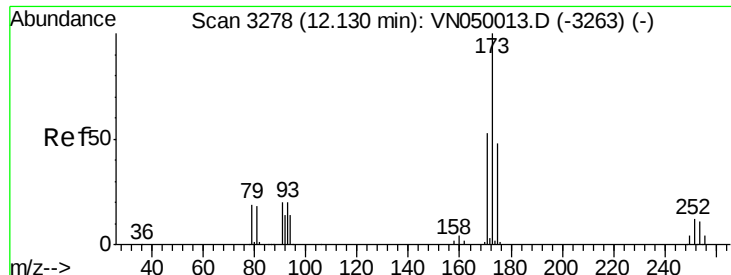
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#70
Styrene
Concen: 50.59 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion:104 Resp: 1165944
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 55.8 45.0 67.6





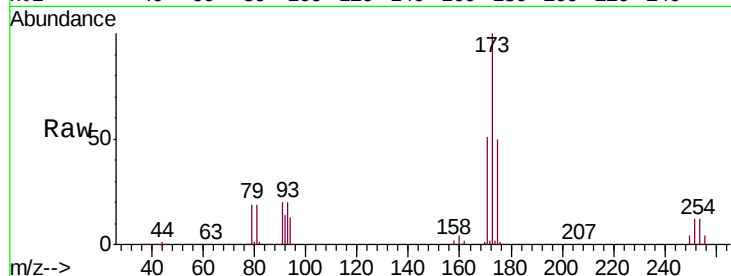
#71
Bromoform
Concen: 49.01 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

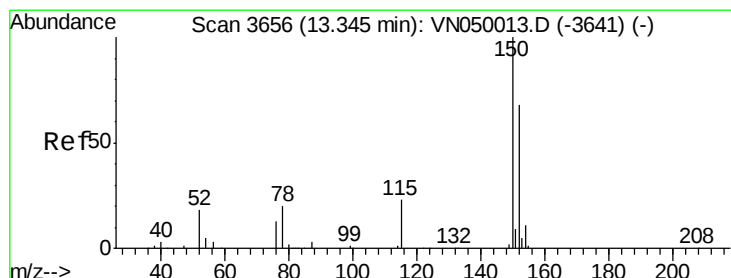
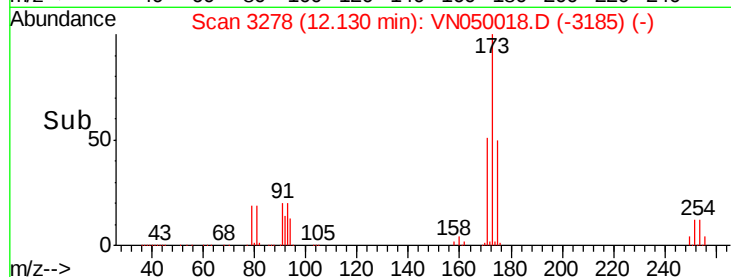
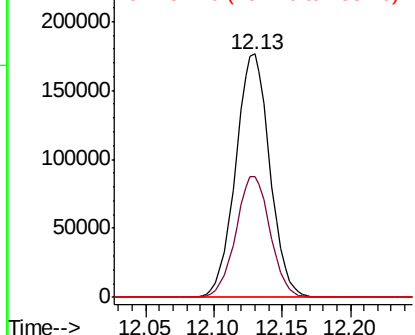
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.2
254	0.1	0.2	0.2#

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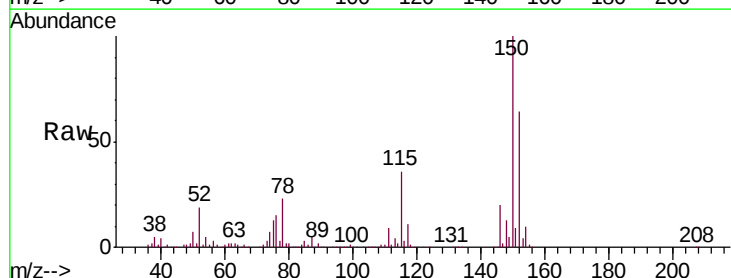


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

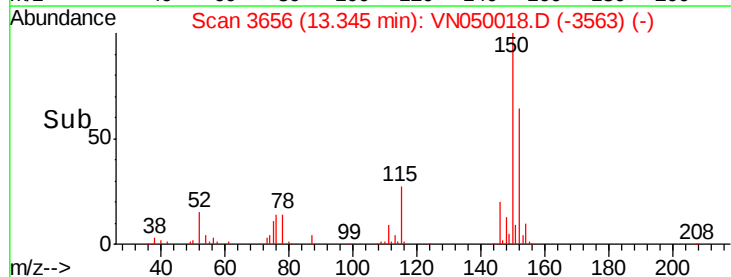
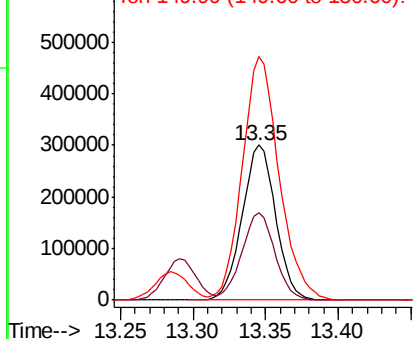


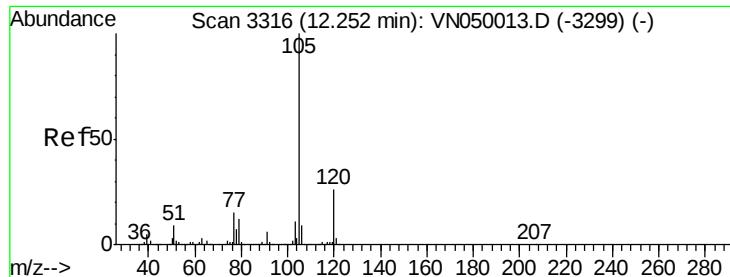
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.3
150	173.0	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: 51.35 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1922434

Ion Ratio Lower Upper

105 100

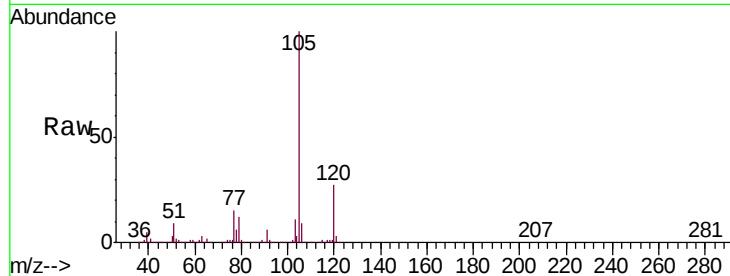
120 26.5 13.3 39.8

Manual Integrations

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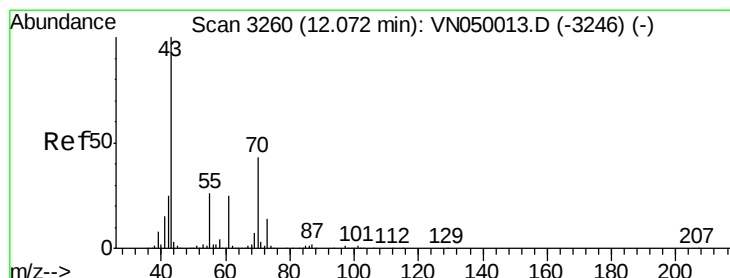
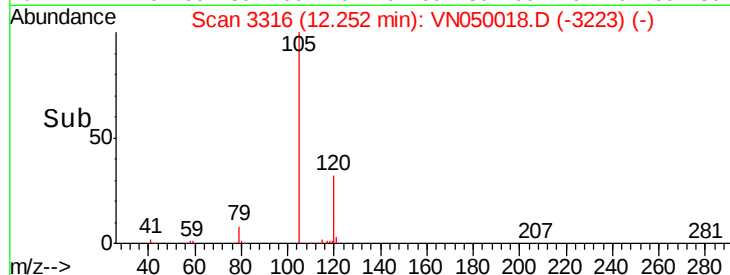
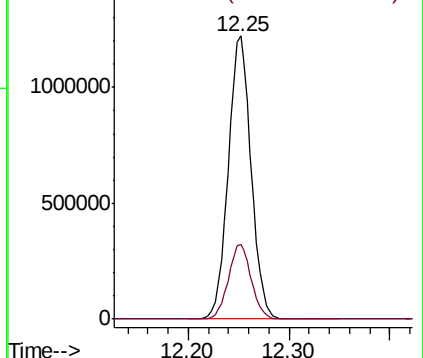
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.60 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion: 43 Resp: 544576

Ion Ratio Lower Upper

43 100

70 42.9 34.4 51.6

55 25.8 20.8 31.2

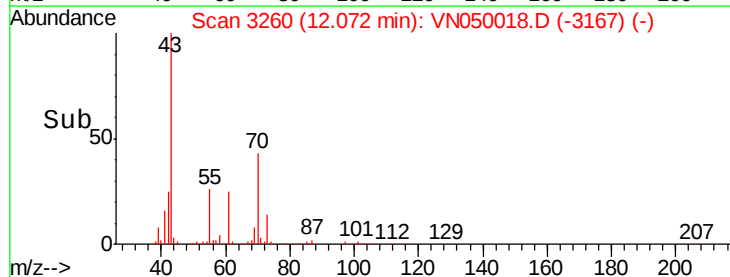
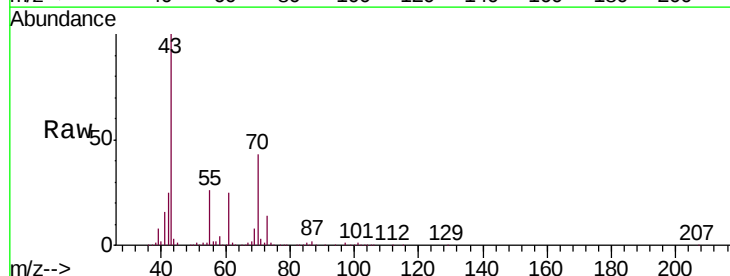
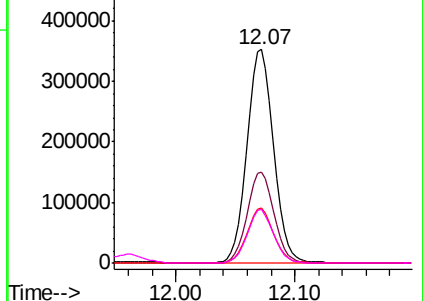
61 24.6 19.7 29.5

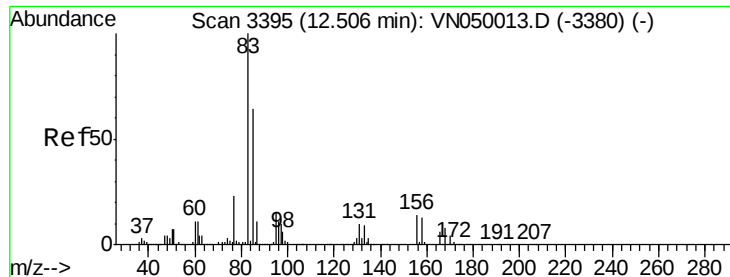
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.92 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

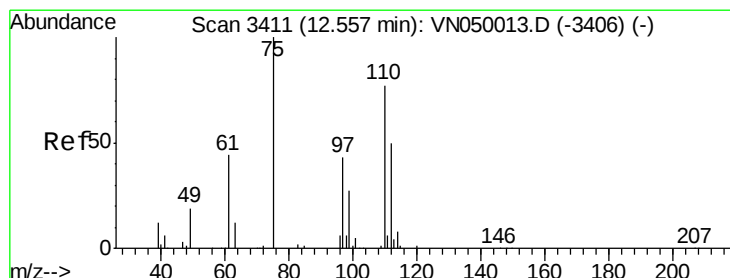
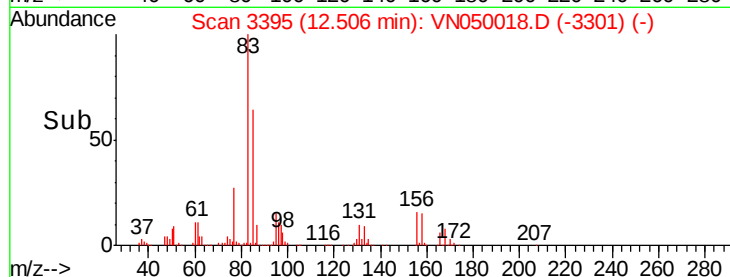
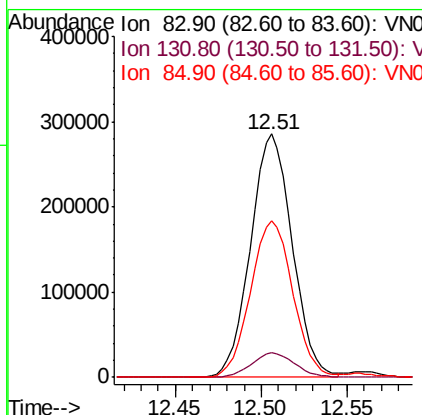
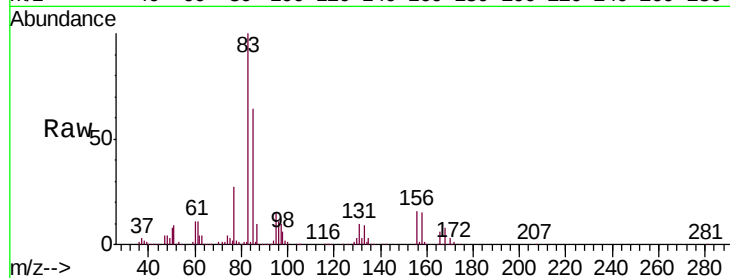
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	479847
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.56 ug/l m

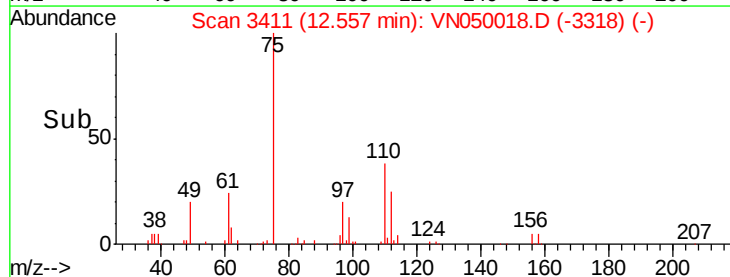
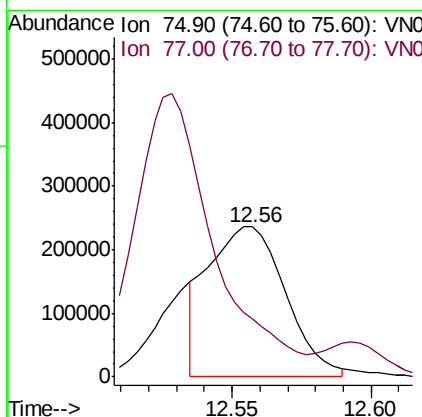
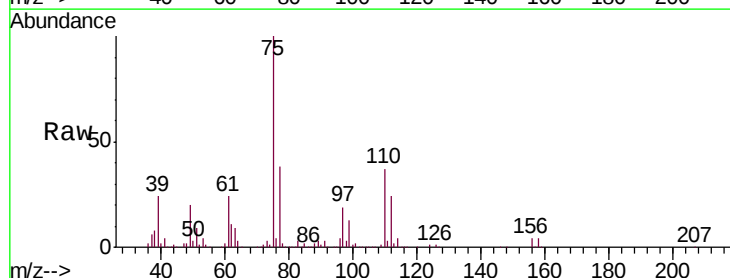
RT: 12.56 min Scan# 3411

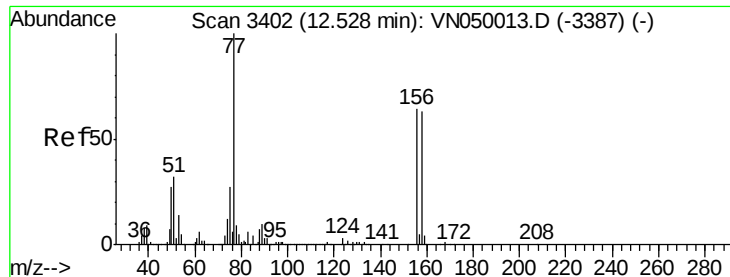
Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion:	75	Resp:	453508
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.06 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 488316

Ion Ratio Lower Upper

156 100

77 183.9 91.7 275.1

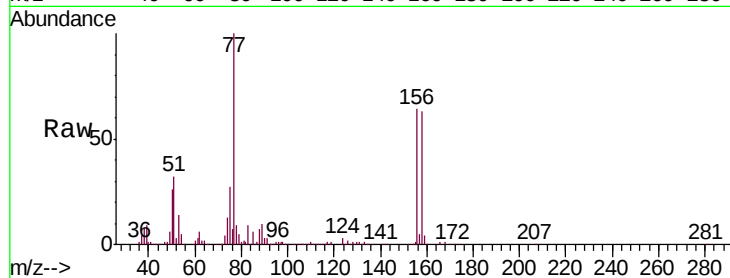
158 97.6 48.9 146.6

Manual Integrations

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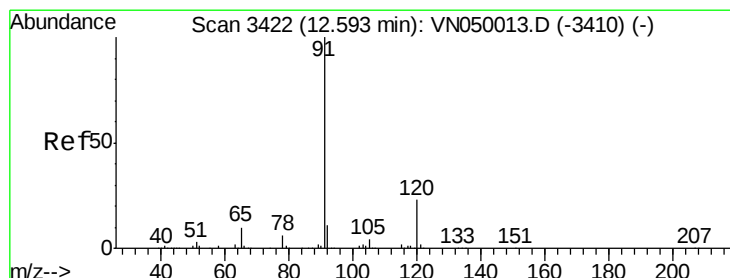
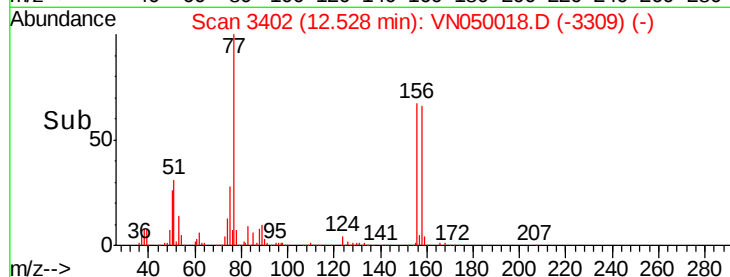
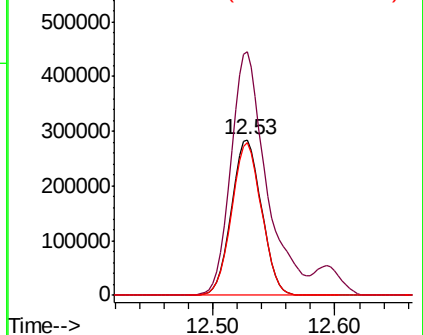
7/26/2018 1:51:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050018.D

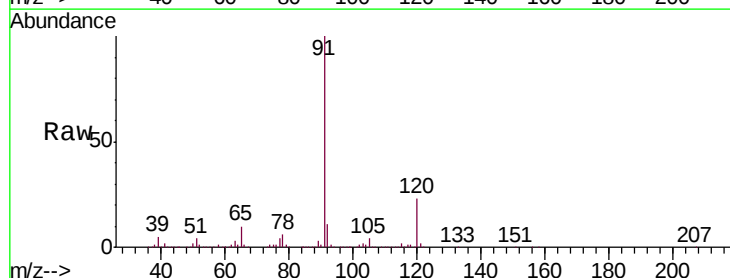
Acq: 24 Jul 2018 10:21

Tgt Ion: 91 Resp: 2251693

Ion Ratio Lower Upper

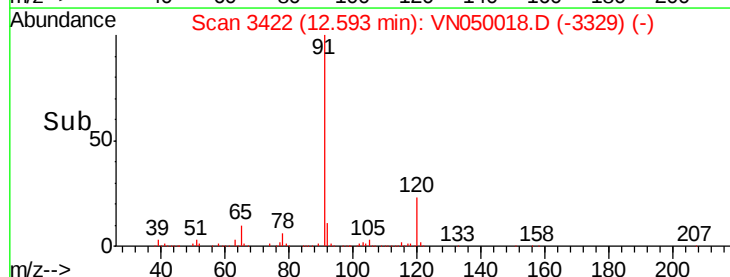
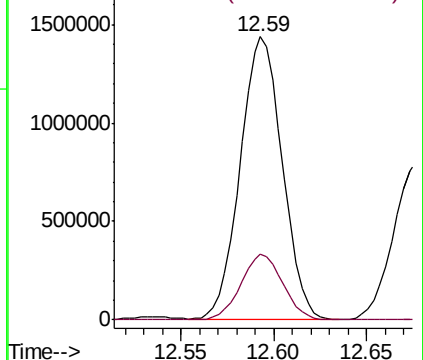
91 100

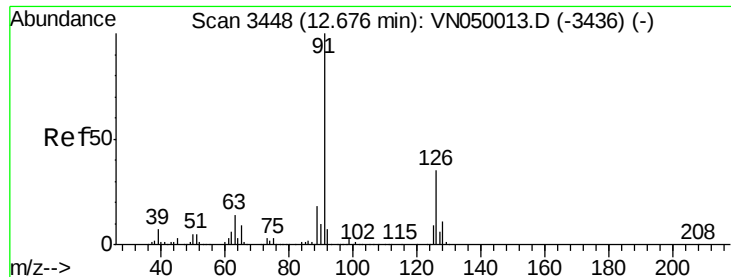
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.70 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1314769

Ion Ratio Lower Upper

91 100

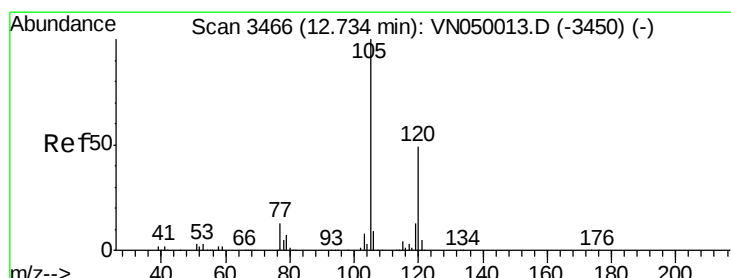
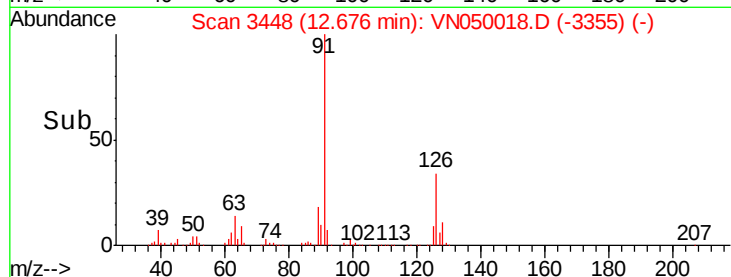
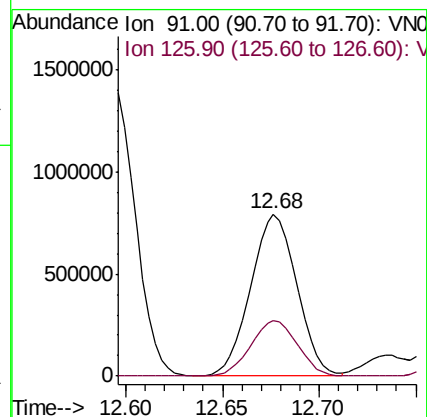
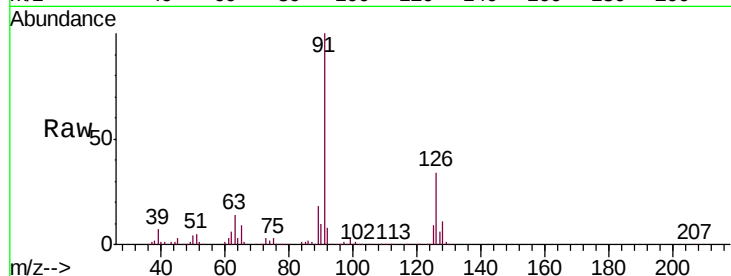
126 34.8 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.08 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050018.D

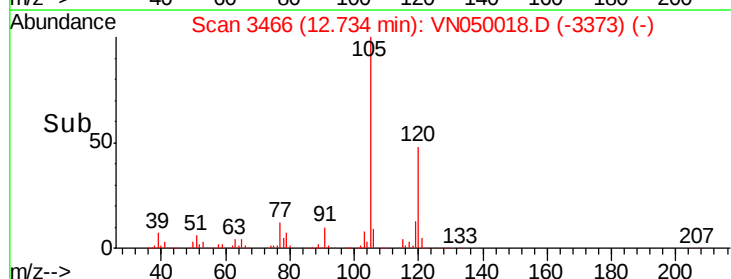
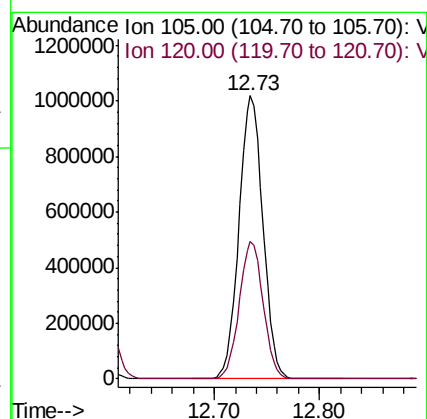
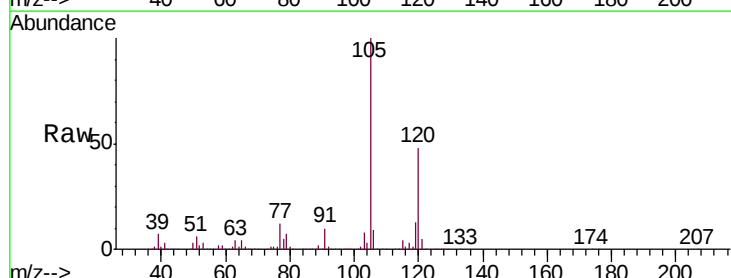
Acq: 24 Jul 2018 10:21

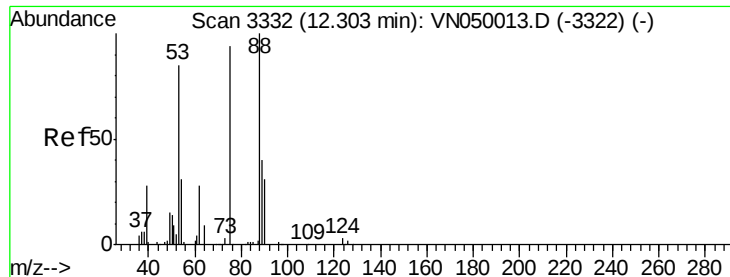
Tgt Ion:105 Resp: 1592477

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.95 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

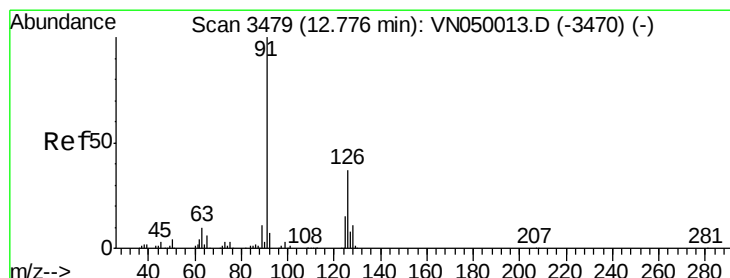
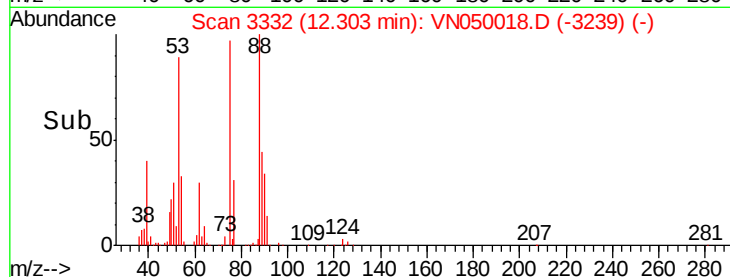
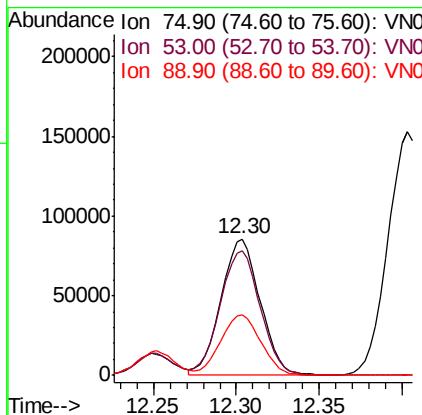
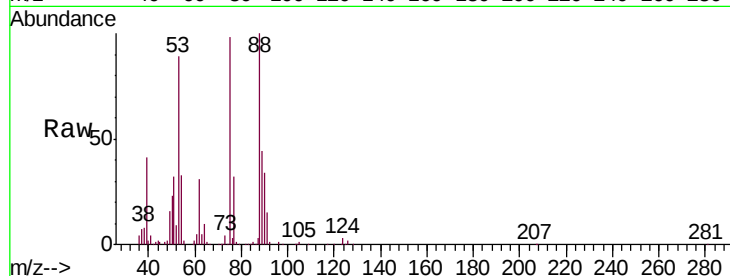
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	141261
Ion	Ratio	Lower	Upper
75	100		
53	93.7	73.5	110.3
89	45.8	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.04 ug/l

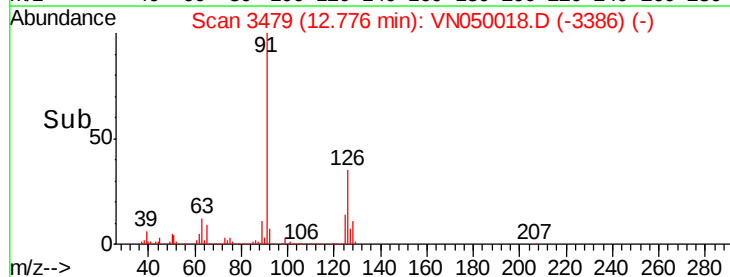
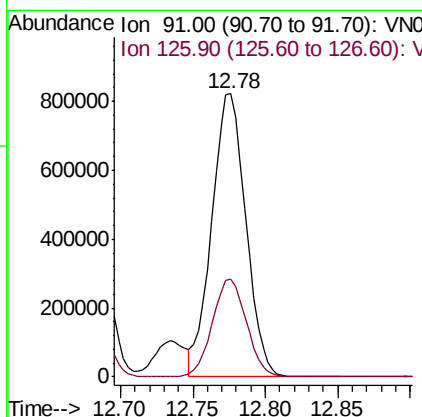
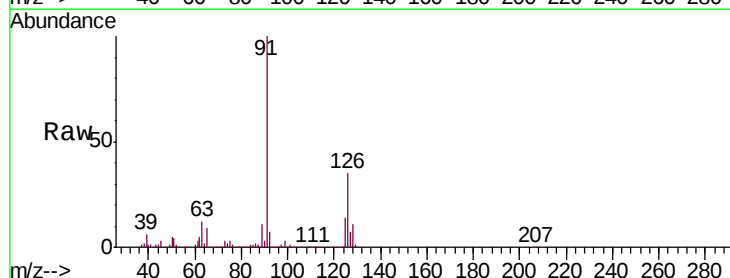
RT: 12.78 min Scan# 3479

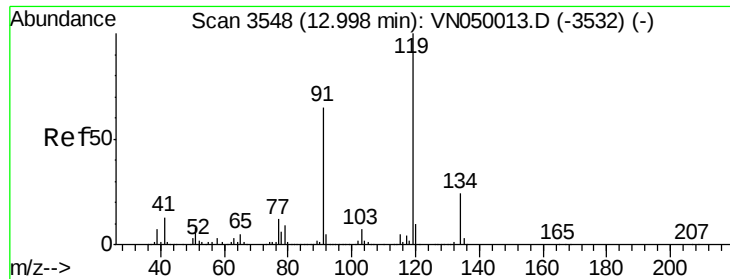
Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion:	91	Resp:	1336492
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0





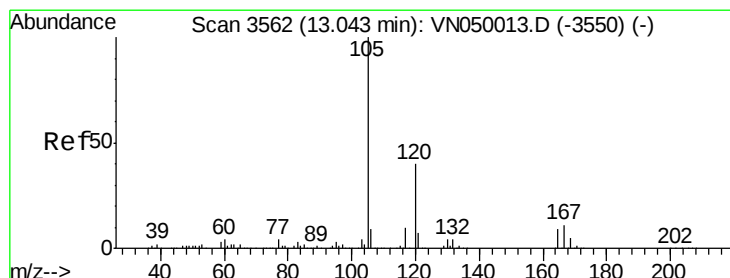
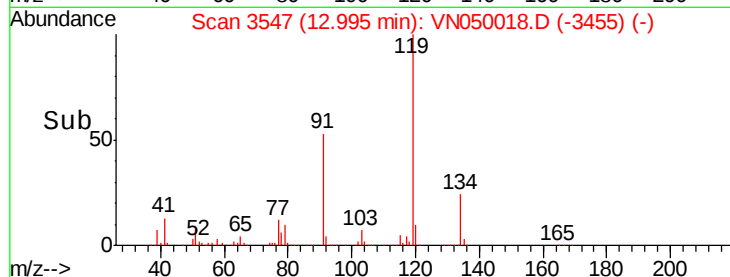
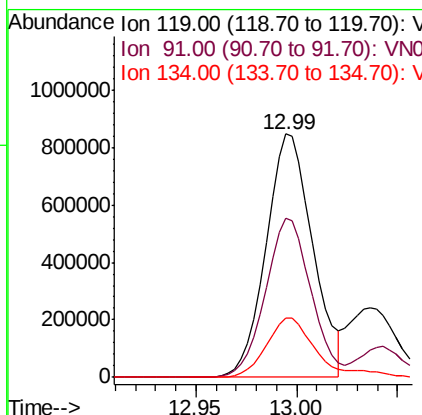
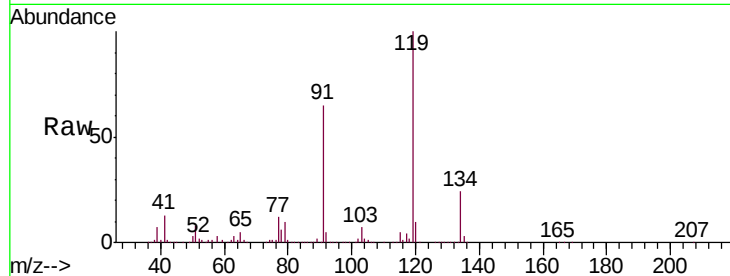
#83
 tert-Butylbenzene
 Concen: 52.97 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.1	96.3
134	26.2	13.2	39.5

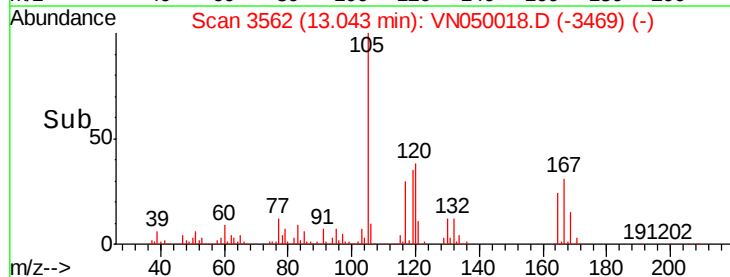
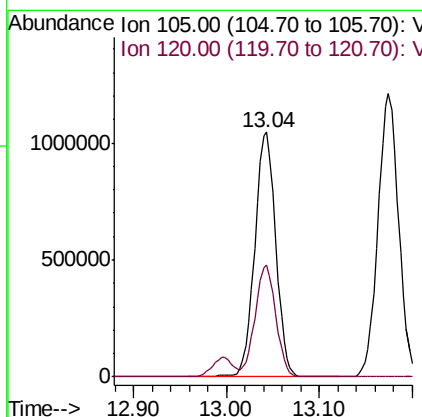
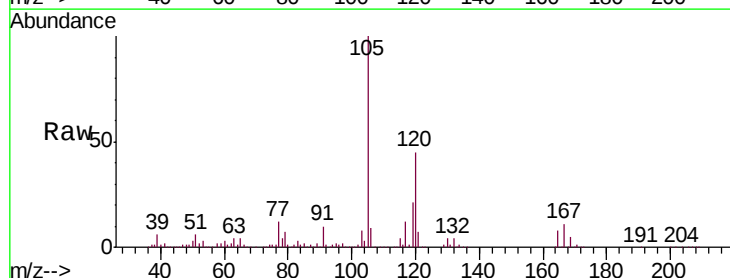
Manual Integrations
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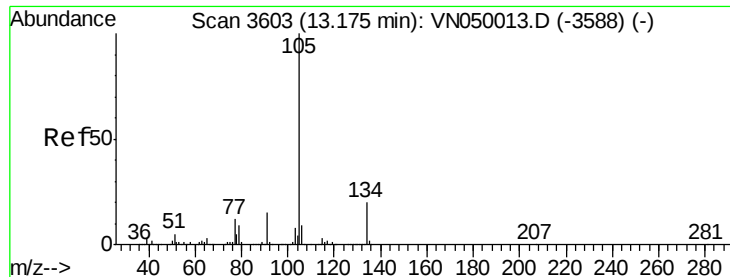
MMDadoda
 7/26/2018 1:51:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.39 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 54.18 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1860299

Ion Ratio Lower Upper

105 100

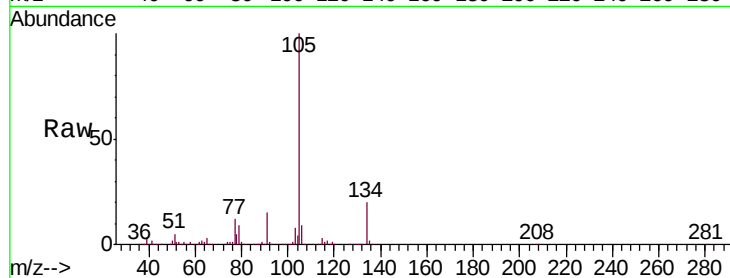
134 20.1 10.1 30.1

Manual Integrations

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7/26/2018 1:51:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

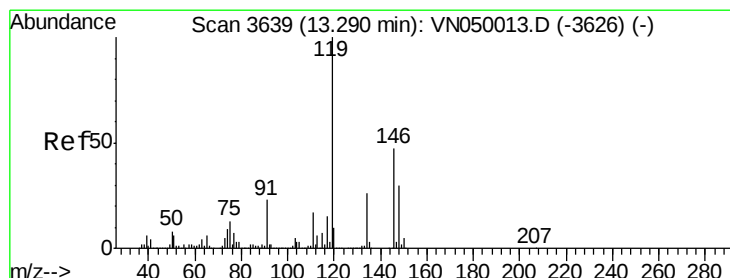
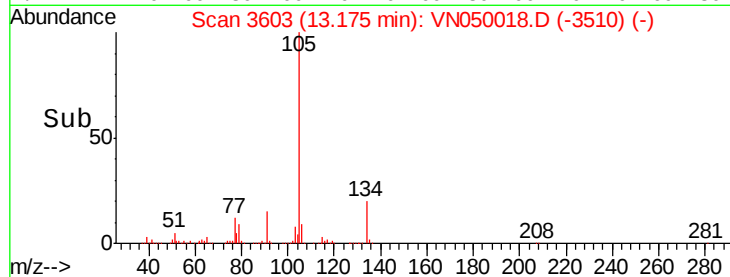
1000000

500000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 56.00 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

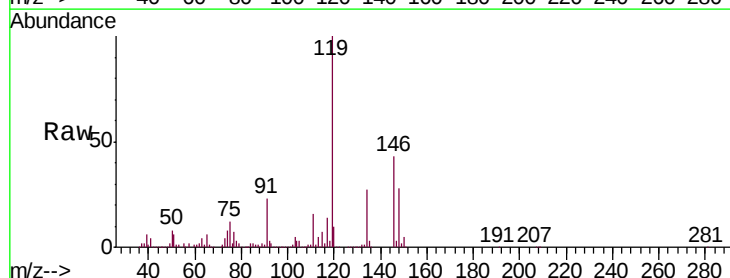
Tgt Ion:119 Resp: 1620159

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.0 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

13.29

1500000

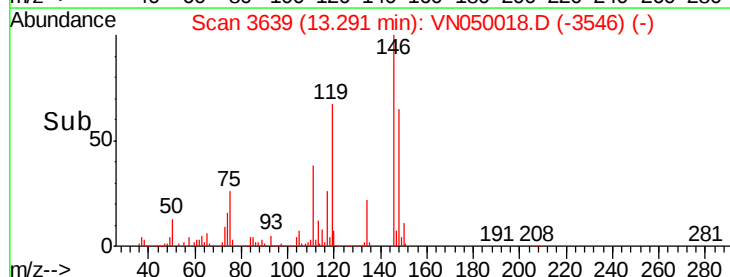
1000000

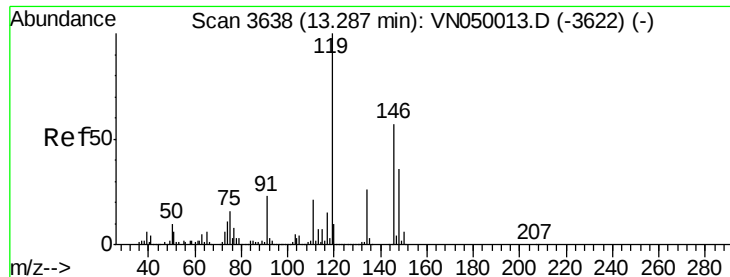
500000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 49.31 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

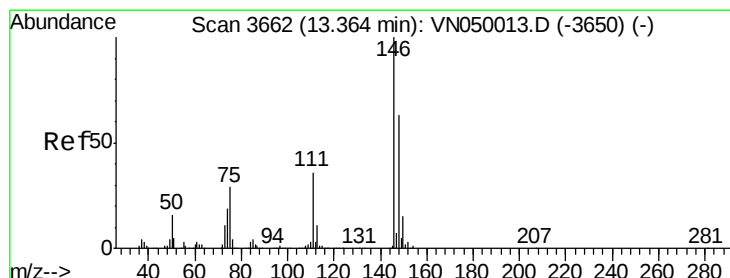
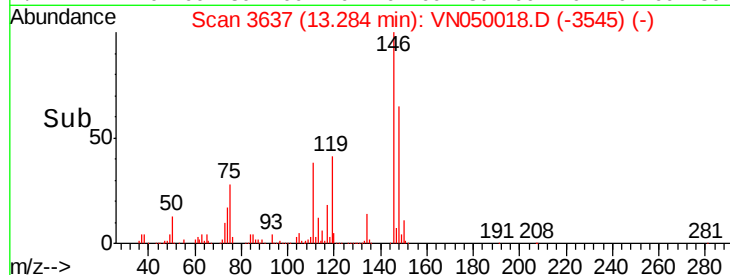
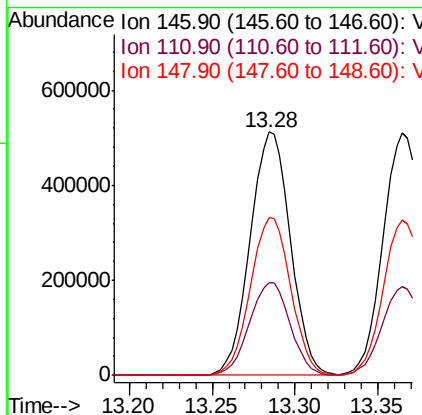
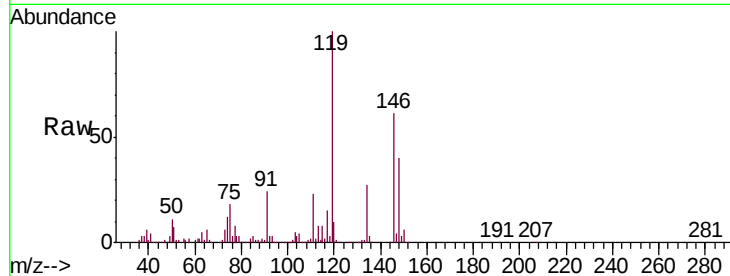
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	867298
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.4
148	65.0	31.9	95.9

Manual Integrations
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7/26/2018 1:51:14 PM



#88

1,4-Dichlorobenzene

Concen: 49.90 ug/l

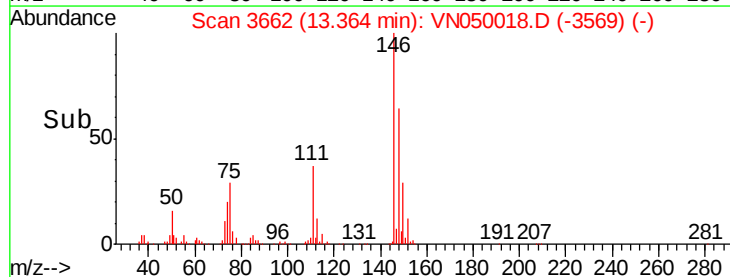
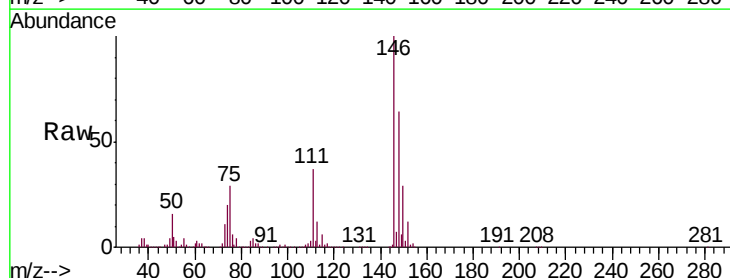
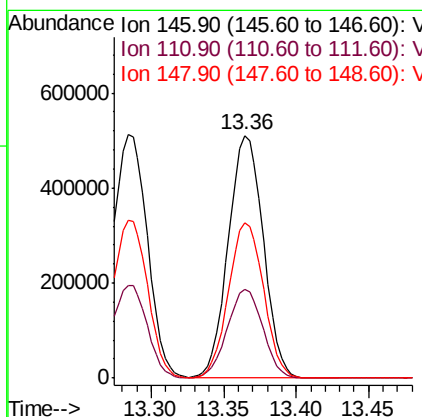
RT: 13.36 min Scan# 3662

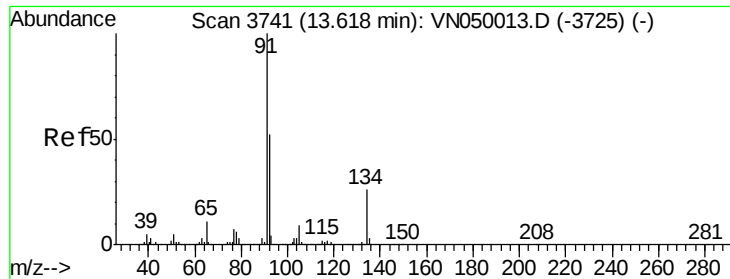
Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion:	146	Resp:	855478
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.3	54.9
148	64.3	31.9	95.9





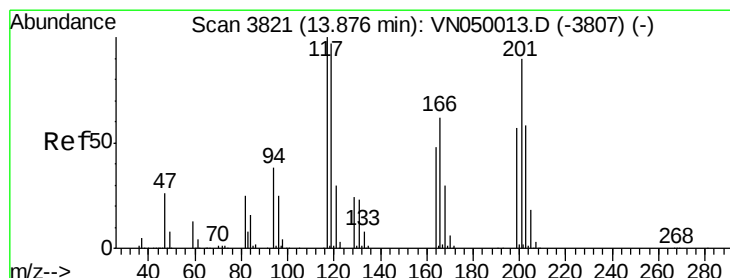
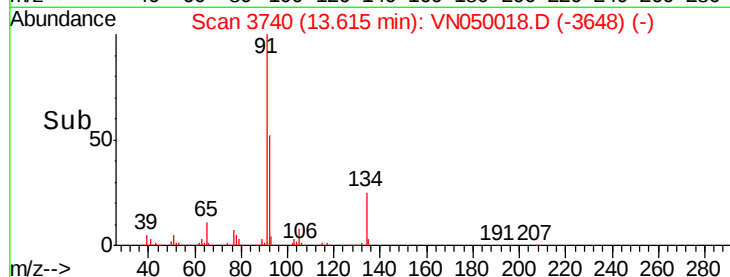
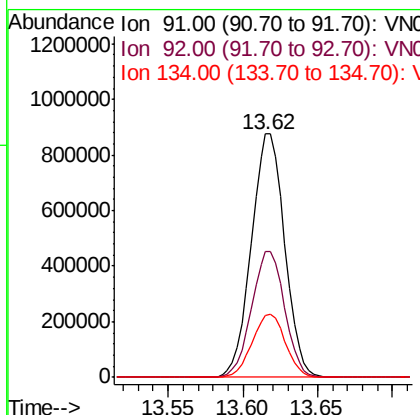
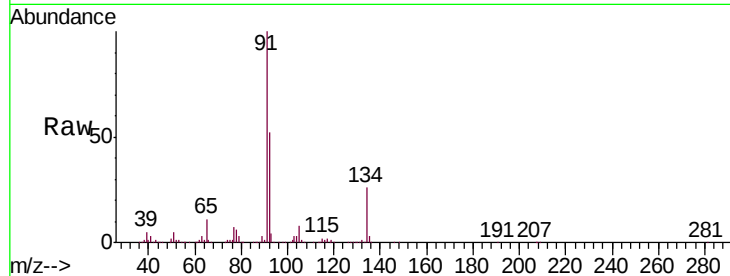
#89
n-Butylbenzene
Concen: 56.89 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	26.0	12.8	38.4

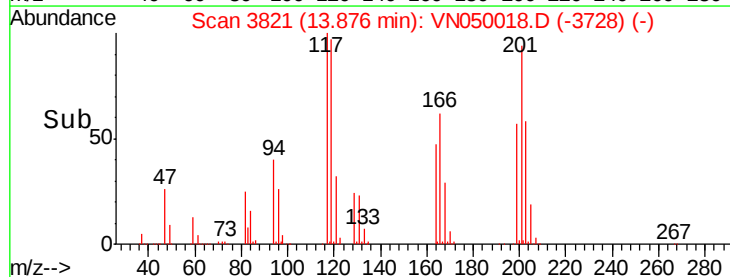
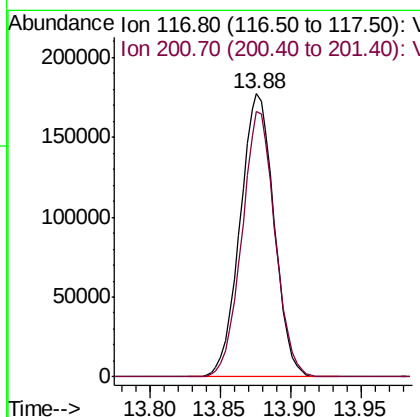
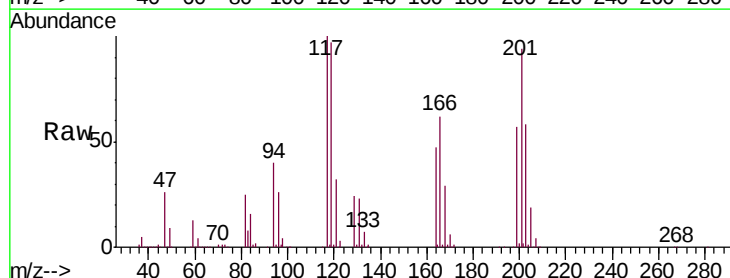
Manual Integrations
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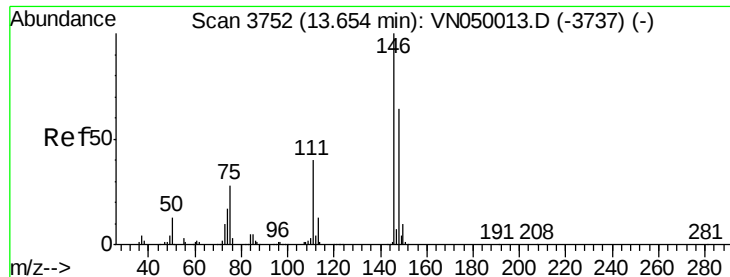
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#90
Hexachloroethane
Concen: 46.51 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050018.D
Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.6	136.8





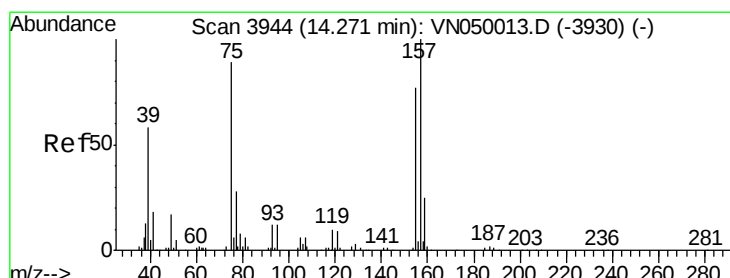
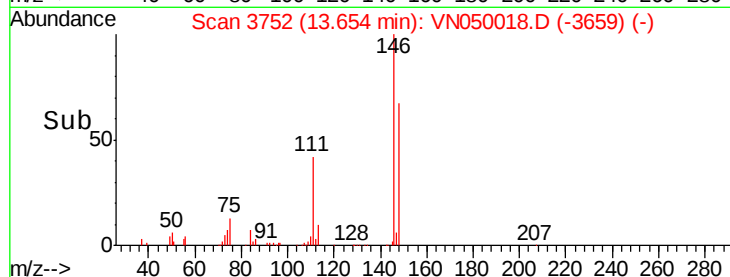
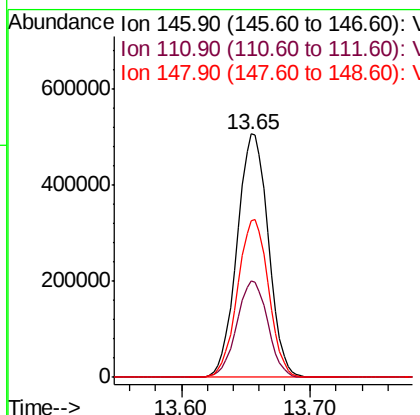
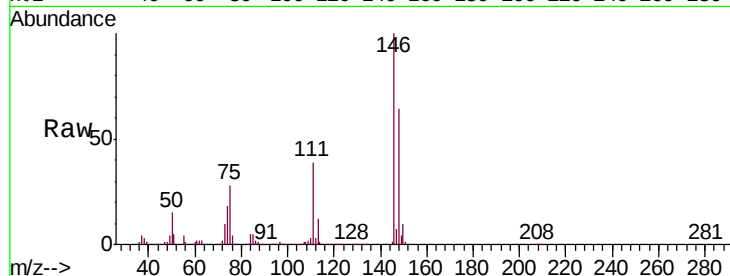
#91
 1,2-Dichlorobenzene
 Concen: 48.51 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.4	32.1	96.3

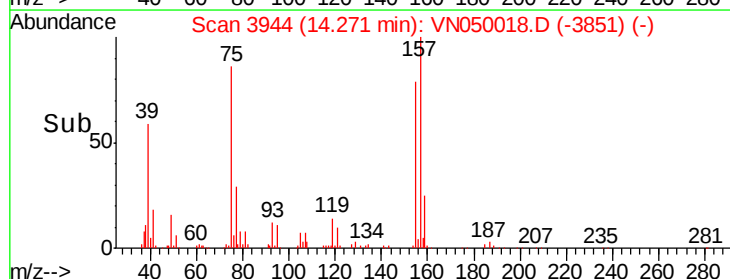
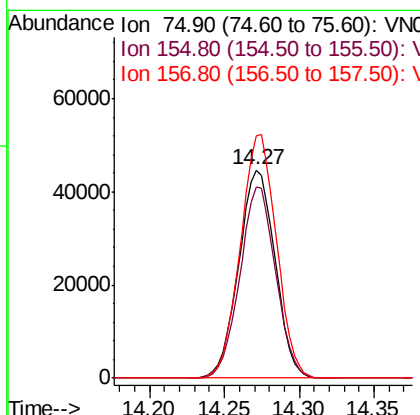
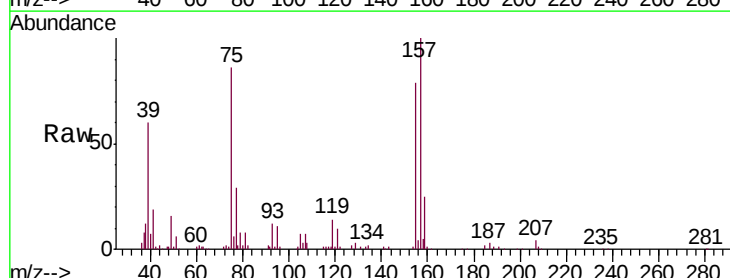
Manual Integrations
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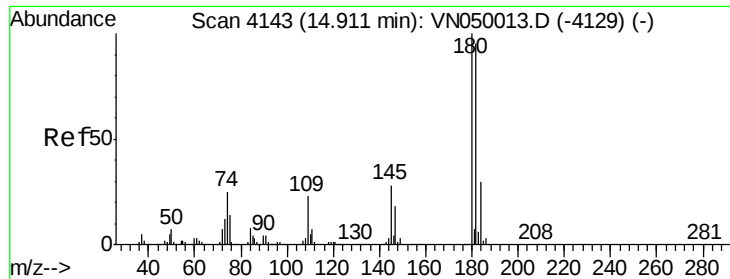
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.30 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	44.8	134.4
157	115.6	57.2	171.6





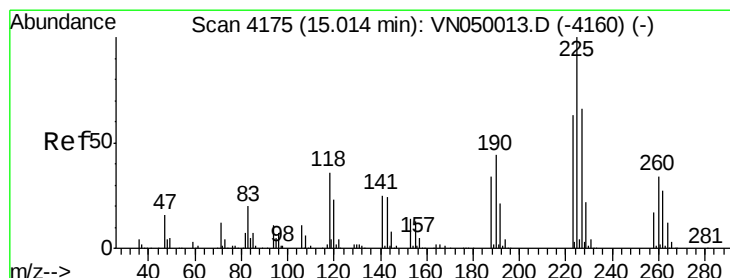
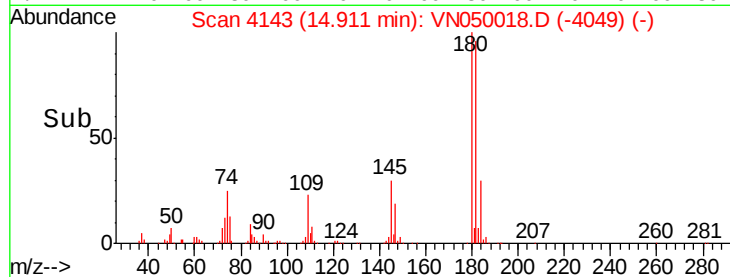
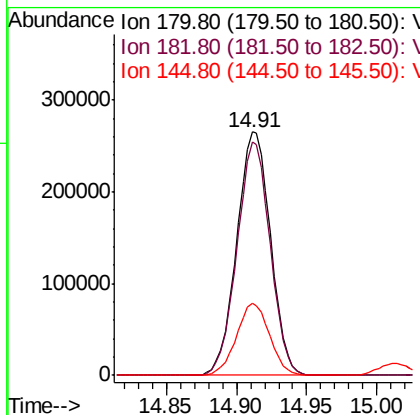
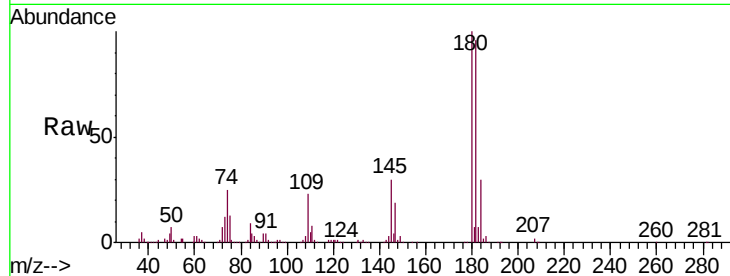
#93
 1,2,4-Trichlorobenzene
 Concen: 47.95 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	445830		
182	94.1	46.7	140.1	
145	29.0	13.8	41.4	

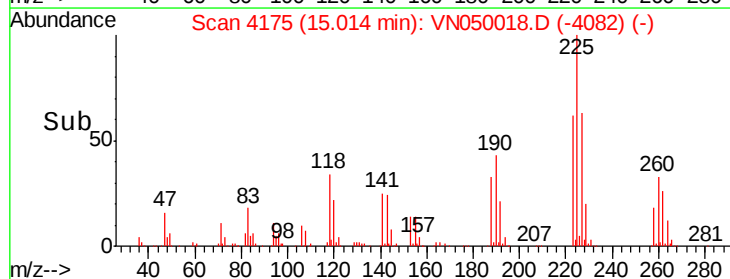
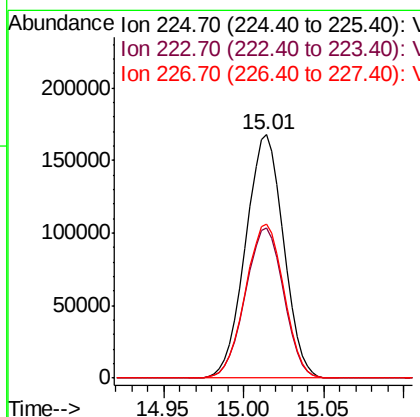
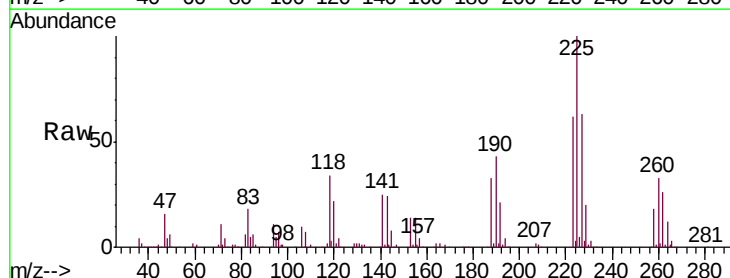
Manual Integrations
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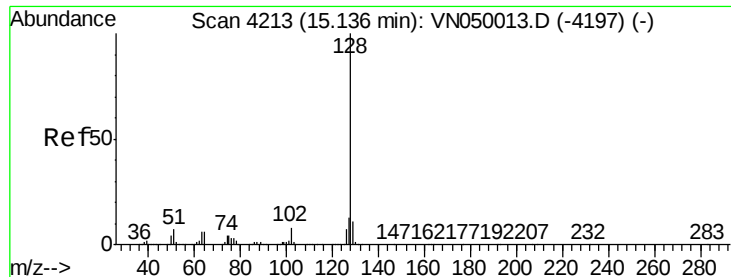
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#94
 Hexachlorobutadiene
 Concen: 50.54 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050018.D
 Acq: 24 Jul 2018 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	272034		
223	62.4	31.4	94.2	
227	64.3	32.1	96.5	





#95

Naphthalene

Concen: 43.51 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Instrument :

MSVOA_N

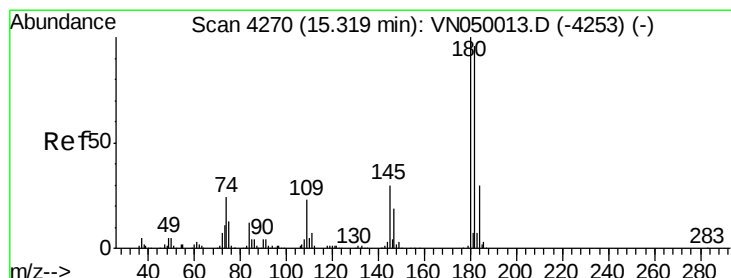
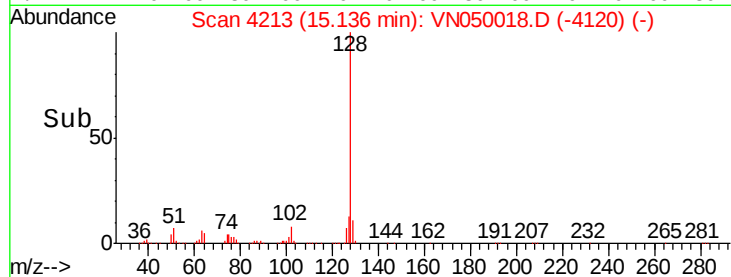
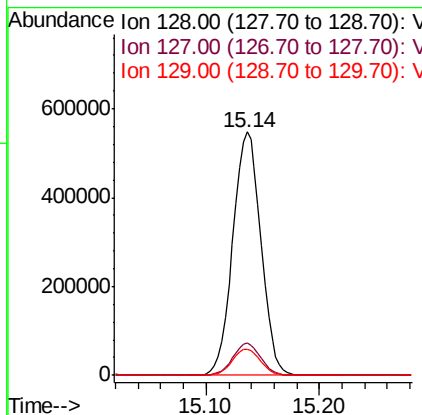
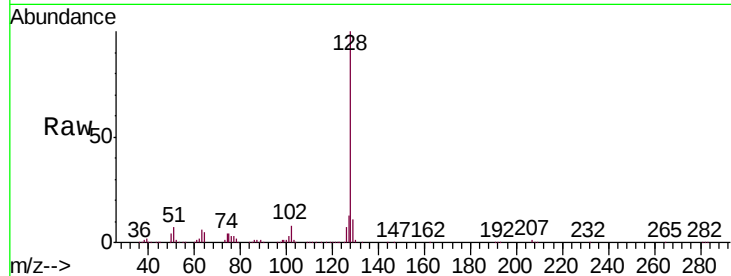
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	945213
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 48.25 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050018.D

Acq: 24 Jul 2018 10:21

Tgt Ion:	180	Resp:	437514
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.1	144.4
145	30.8	15.3	45.9

