

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050309.D
 Acq On : 3 Aug 2018 13:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:18 AM

Quant Time: Aug 03 23:33:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	429108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410765	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.59	113	363971	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1334648	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	464046	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382764	44.18	ug/l	99
3) Chloromethane	2.06	50	360439	38.28	ug/l	100
4) Vinyl Chloride	2.18	62	405408	40.88	ug/l	98
5) Bromomethane	2.55	94	255601	46.34	ug/l	100
6) Chloroethane	2.69	64	241875	40.61	ug/l	100
7) Trichlorofluoromethane	3.01	101	555234	43.22	ug/l	100
8) Diethyl Ether	3.41	74	215133	50.23	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356686	46.17	ug/l	100
10) Methyl Iodide	3.95	142	186508	18.81	ug/l	99
11) Tert butyl alcohol	4.80	59	186845	301.87	ug/l	100
12) 1,1-Dichloroethene	3.73	96	309495	44.54	ug/l	98
13) Acrolein	3.61	56	109195	219.57	ug/l	96
14) Allyl chloride	4.32	41	525407	48.76	ug/l	98
15) Acrylonitrile	5.00	53	728929	269.93	ug/l	99
16) Acetone	3.82	43	582629	294.81	ug/l	100
17) Carbon Disulfide	4.05	76	807318	37.92	ug/l	100
18) Methyl Acetate	4.33	43	517822	67.77	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	995155	53.74	ug/l	99
20) Methylene Chloride	4.55	84	371661	49.83	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	332599	45.17	ug/l	100
22) Diisopropyl ether	5.96	45	1135366	53.14	ug/l	100
23) Vinyl Acetate	5.90	43	3908633	258.87	ug/l	100
24) 1,1-Dichloroethane	5.85	63	652392	46.70	ug/l	99
25) 2-Butanone	6.84	43	909119	283.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	535041	50.34	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	395854	49.94	ug/l	100
28) Bromochloromethane	7.19	49	314322	49.33	ug/l	99
29) Tetrahydrofuran	7.22	42	580709	280.07	ug/l	100
30) Chloroform	7.37	83	677684	47.53	ug/l	100
31) Cyclohexane	7.65	56	529127	45.66	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	570877	46.81	ug/l	100
36) 1,1-Dichloropropene	7.79	75	487660	49.09	ug/l	100
37) Ethyl Acetate	6.93	43	372857	53.83	ug/l	98
38) Carbon Tetrachloride	7.78	117	501062	47.54	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	510258	49.93	ug/l	99
40) Benzene	8.04	78	1487243	49.20	ug/l	100
41) Methacrylonitrile	7.18	41	185329	51.30	ug/l	91
42) 1,2-Dichloroethane	8.13	62	498915	49.47	ug/l	99
43) Isopropyl Acetate	8.17	43	694416	53.28	ug/l	99
44) Trichloroethene	8.84	130	385830	47.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405648	50.66	ug/l	97
46) Dibromomethane	9.21	93	254352	51.16	ug/l	99
47) Bromodichloromethane	9.40	83	529731	50.49	ug/l	99
48) Methyl methacrylate	9.20	41	343233	57.54	ug/l	100
49) 1,4-Dioxane	9.21	88	99541	1226.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1991593	292.51	ug/l	100
52) Toluene	10.16	92	927839	52.00	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	546373	55.18	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	604105	53.39	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	370581	52.36	ug/l	99
56) Ethyl methacrylate	10.43	69	495687	51.63	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616516	53.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1033135	231.31	ug/l	100
59) 2-Hexanone	10.75	43	1370058	273.35	ug/l	99
60) Dibromochloromethane	10.90	129	417164	53.24	ug/l	98
61) 1,2-Dibromoethane	11.01	107	366005	52.12	ug/l	98
64) Tetrachloroethene	10.63	164	359221	46.00	ug/l	99
65) Chlorobenzene	11.44	112	1018527	49.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396798	50.33	ug/l	100
67) Ethyl Benzene	11.51	91	1748771	53.06	ug/l	100
68) m/p-Xylenes	11.62	106	1352334	108.48	ug/l	100
69) o-Xylene	11.95	106	648882	54.60	ug/l	99
70) Styrene	11.97	104	1076068	50.90	ug/l	99
71) Bromoform	12.13	173	304614	53.12	ug/l #	100
73) Isopropylbenzene	12.25	105	1747939	52.52	ug/l	100
74) N-amyl acetate	12.07	43	547050	53.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	501161	56.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	392674m	49.24	ug/l	
77) Bromobenzene	12.53	156	448793	48.66	ug/l	98
78) n-propylbenzene	12.59	91	2017746	54.24	ug/l	100
79) 2-Chlorotoluene	12.68	91	1198706	51.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1440831	55.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136560	54.32	ug/l	99
82) 4-Chlorotoluene	12.78	91	1206108	52.83	ug/l	99
83) tert-Butylbenzene	12.99	119	1245360	54.51	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1479814	56.08	ug/l	99
85) sec-Butylbenzene	13.17	105	1678568	54.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	1457248	56.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	799650	51.14	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	781777	51.30	ug/l	100
89) n-Butylbenzene	13.62	91	1191102	56.32	ug/l	99
90) Hexachloroethane	13.88	117	267348	46.81	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	790570	50.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79573	53.72	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	406142	49.06	ug/l	97
94) Hexachlorobutadiene	15.01	225	244275	51.05	ug/l	99
95) Naphthalene	15.14	128	950395	48.63	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	416229	51.48	ug/l	98

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

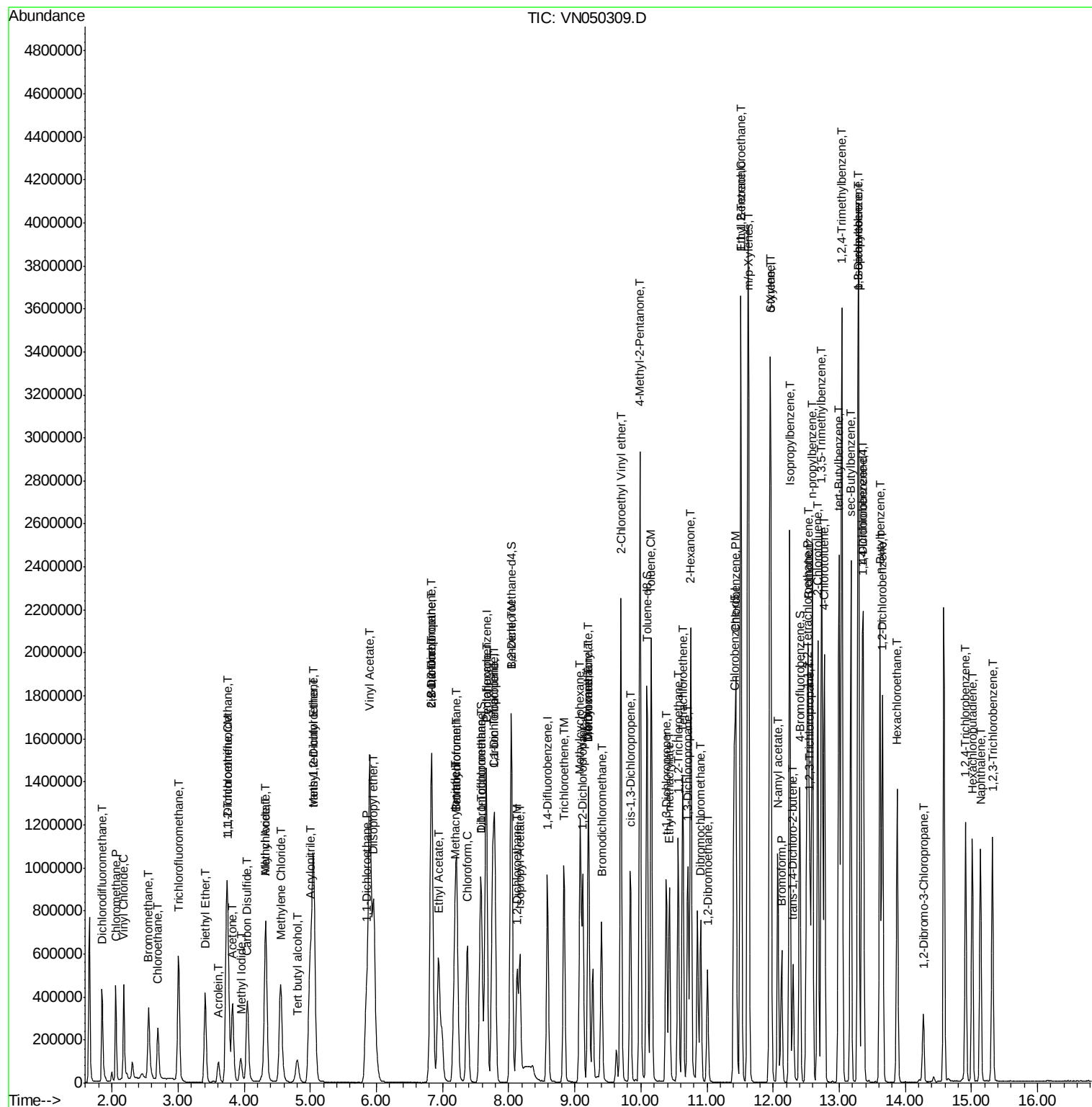
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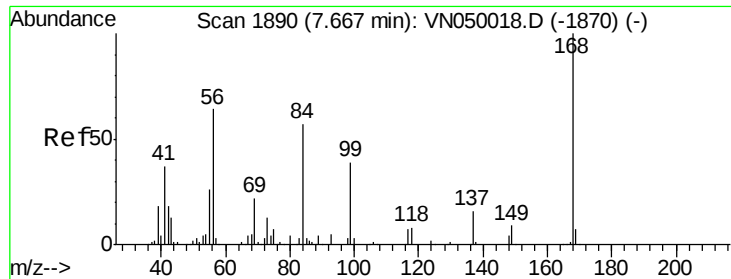
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 602930

Ion Ratio Lower Upper

168 100

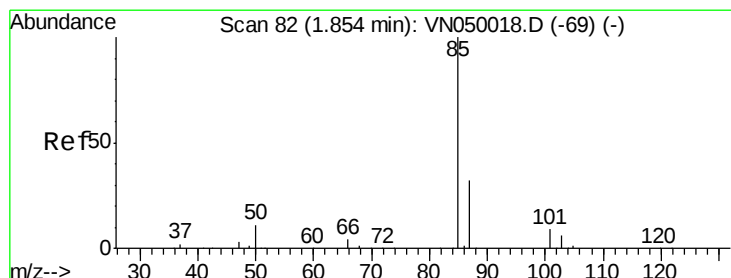
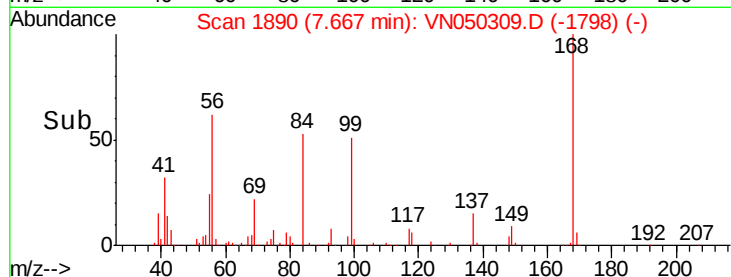
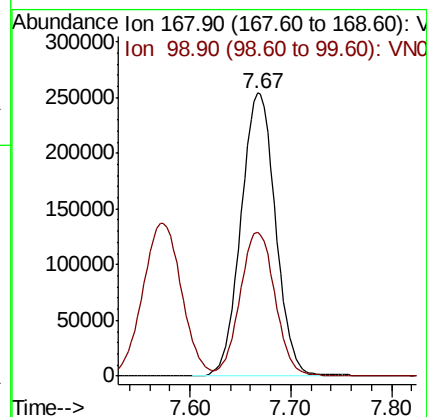
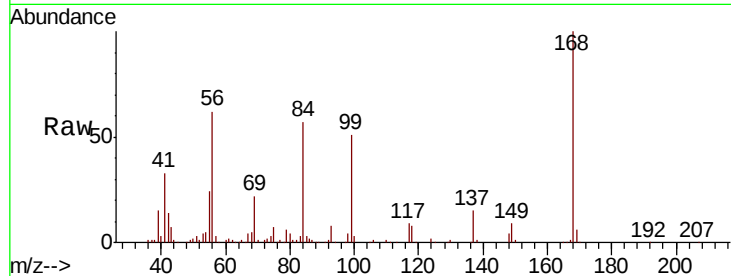
99 50.5 40.0 60.0

Manual Integrations

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8/6/2018 11:38:18 AM



#2

Dichlorodifluoromethane

Concen: 44.18 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050309.D

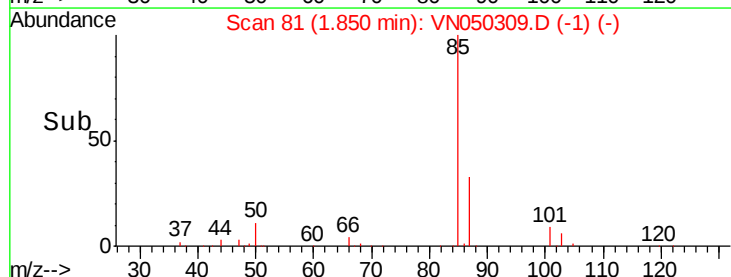
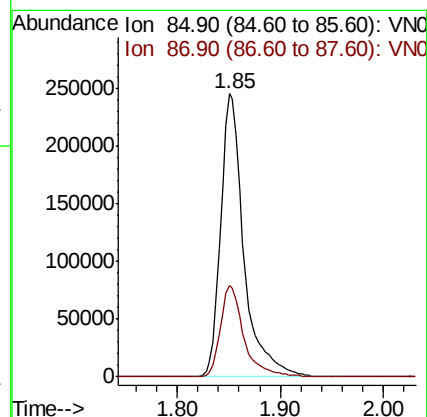
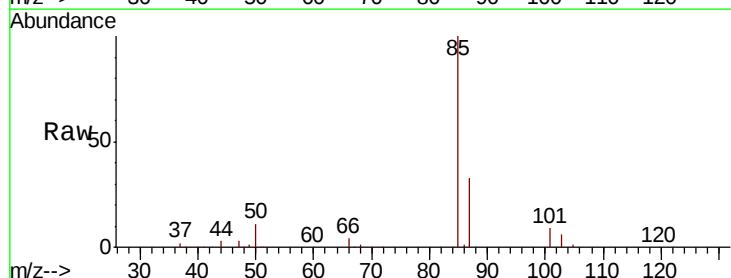
Acq: 3 Aug 2018 13:27

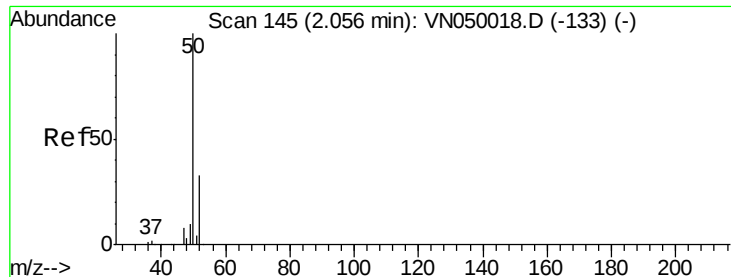
Tgt Ion: 85 Resp: 382764

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3





#3

Chloromethane

Concen: 38.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 360439

Ion Ratio Lower Upper

50 100

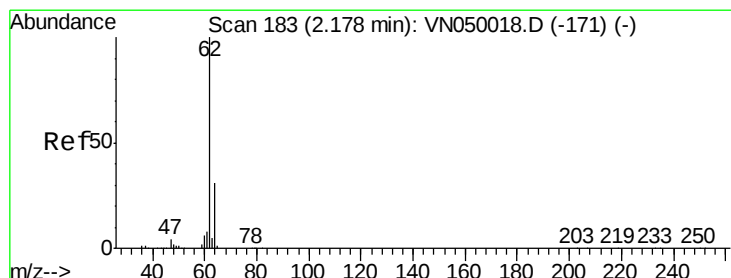
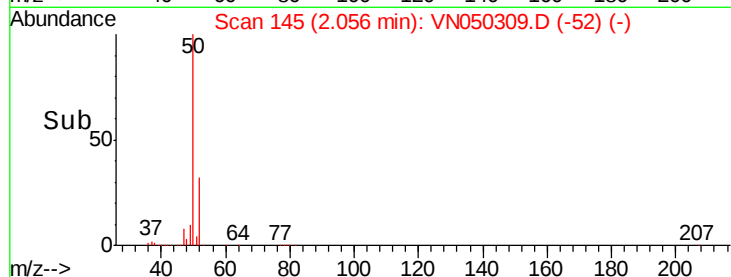
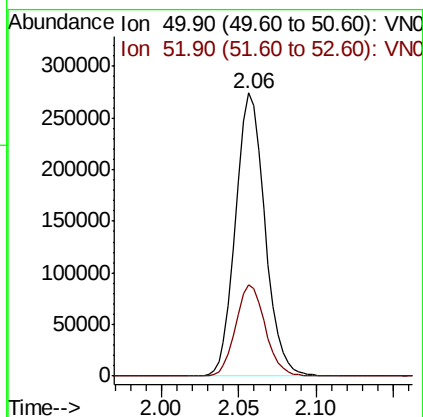
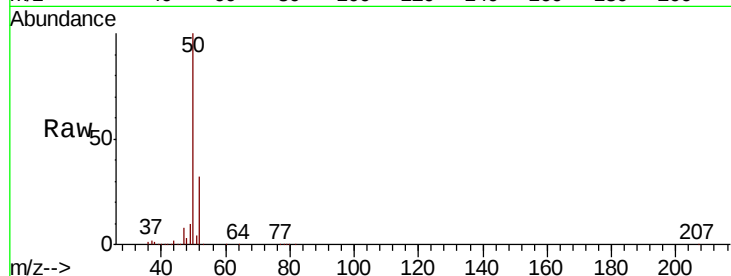
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.88 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050309.D

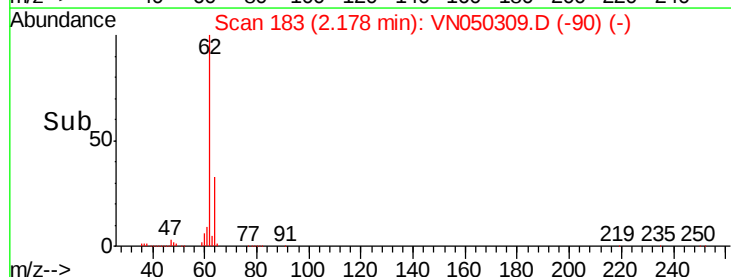
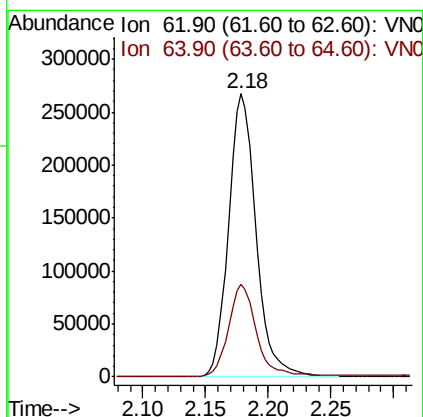
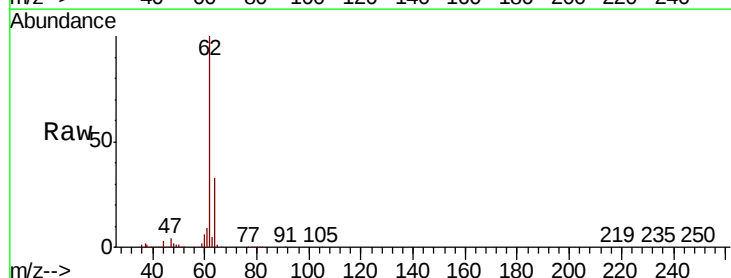
Acq: 3 Aug 2018 13:27

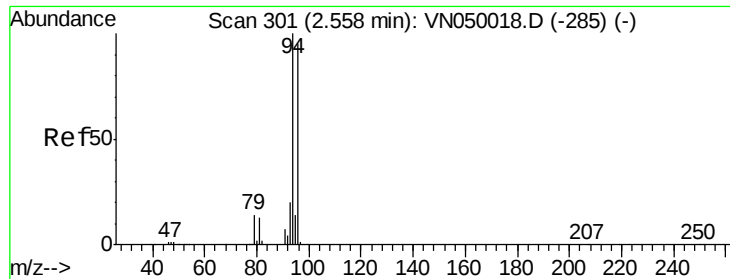
Tgt Ion: 62 Resp: 405408

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1





#5

Bromomethane

Concen: 46.34 ug/l

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 255601

Ion Ratio Lower Upper

94 100

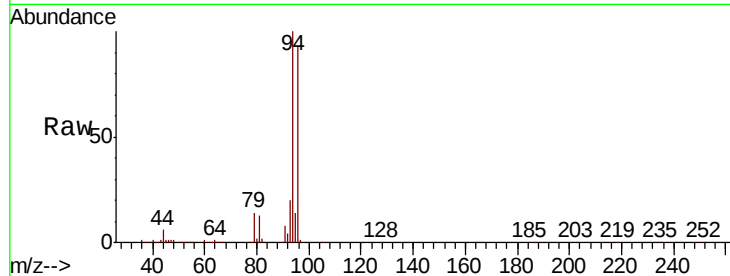
96 93.4 74.6 112.0

Manual Integrations

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8/6/2018 11:38:18 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

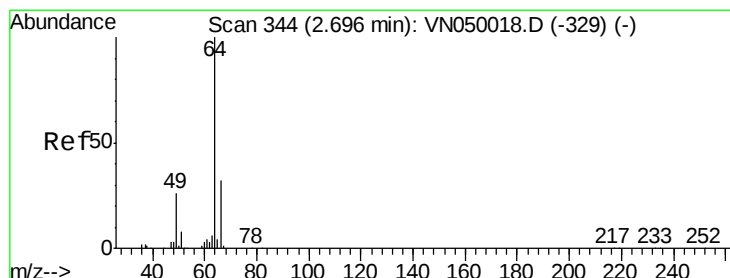
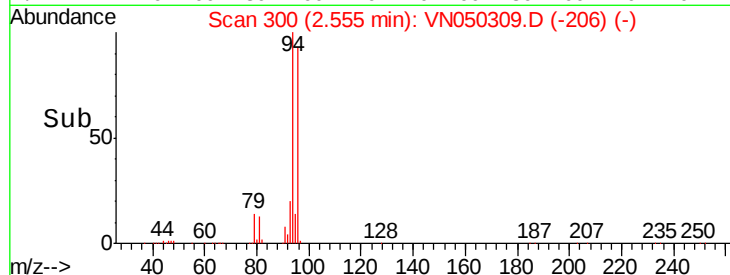
2.55

100000

50000

0

Time-->



#6

Chloroethane

Concen: 40.61 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050309.D

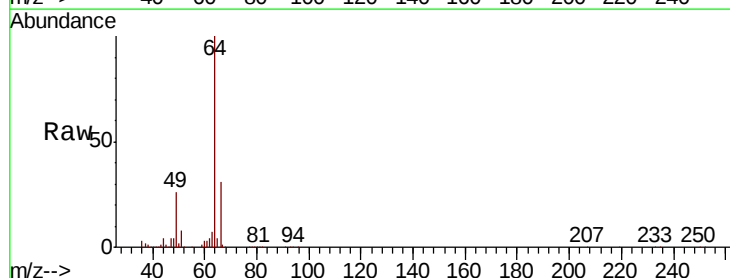
Acq: 3 Aug 2018 13:27

Tgt Ion: 64 Resp: 241875

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

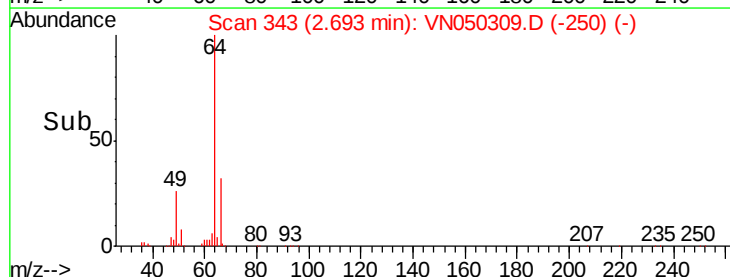
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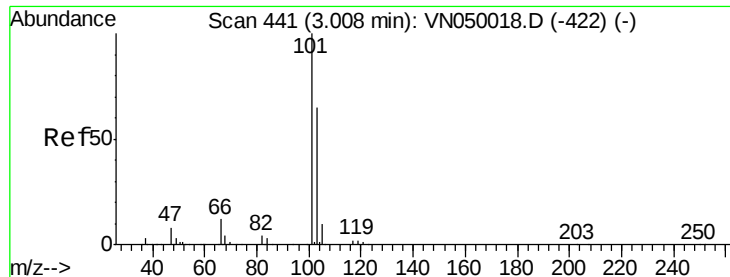
100000

50000

0

Time-->





#7

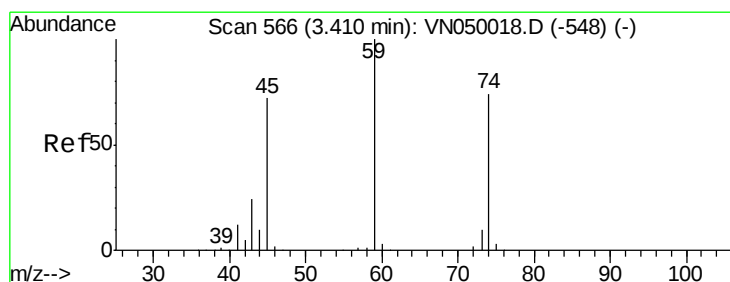
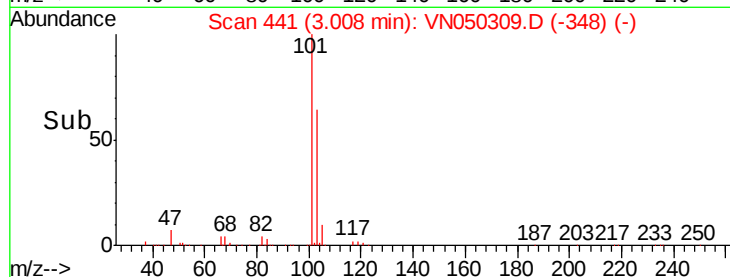
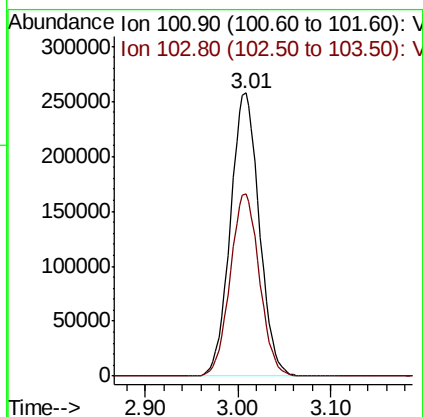
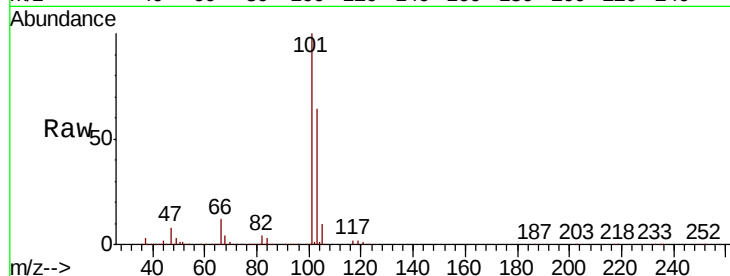
Trichlorofluoromethane
 Concen: 43.22 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

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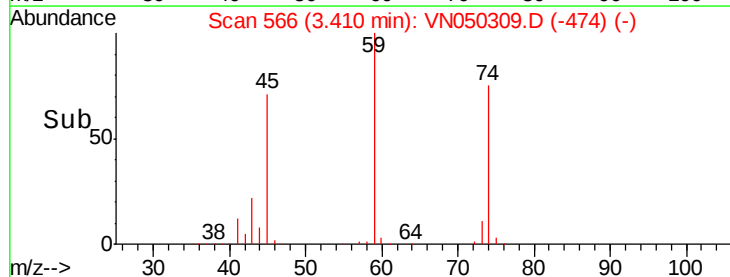
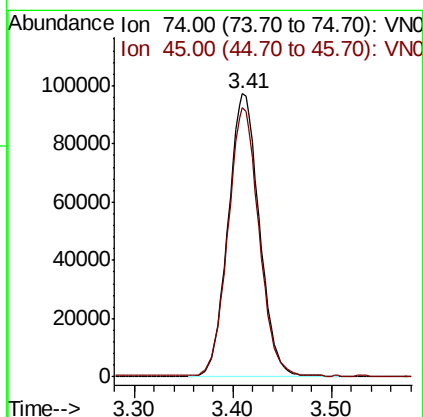
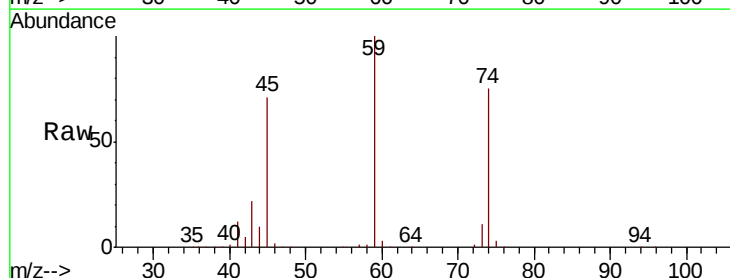
MMDadoda
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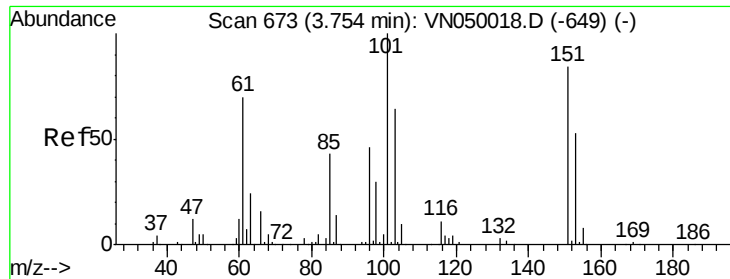


#8

Diethyl Ether
 Concen: 50.23 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.17 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050309.D

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MSVOA_N

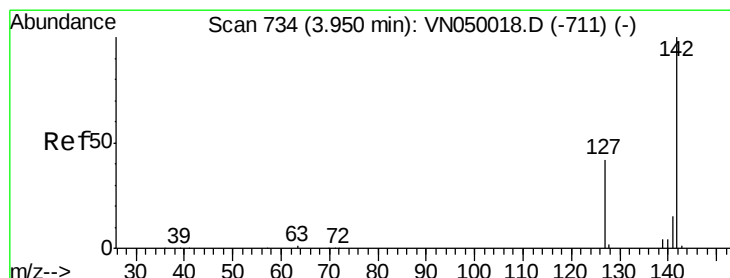
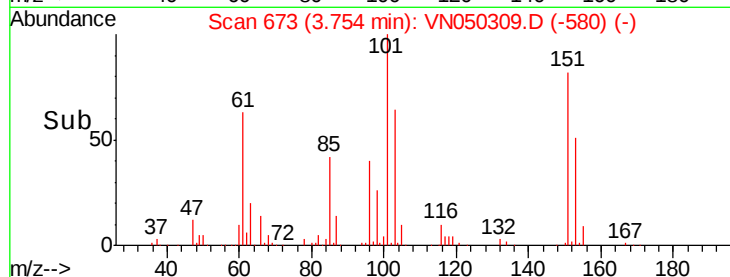
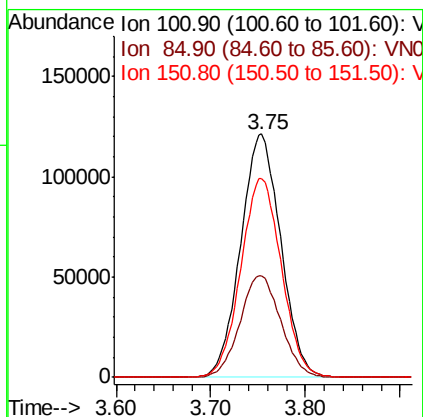
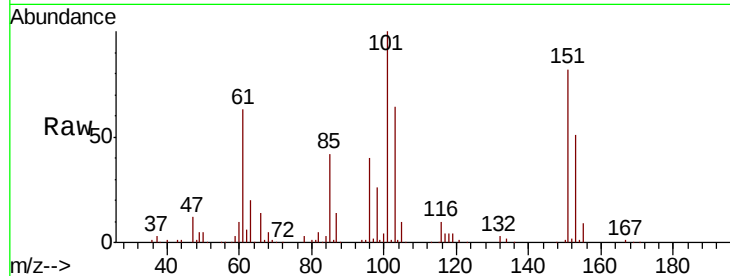
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	356686
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	82.7	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.81 ug/l

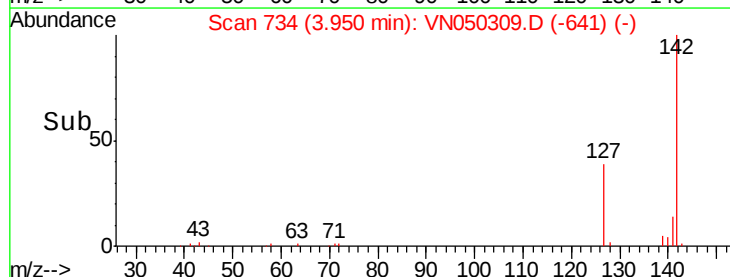
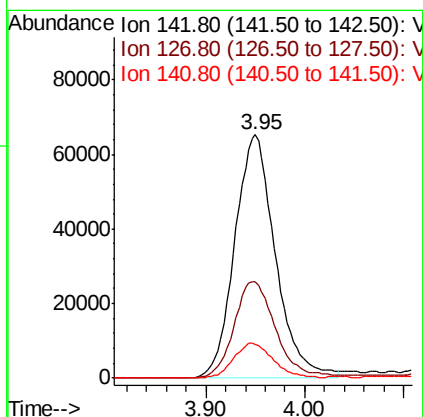
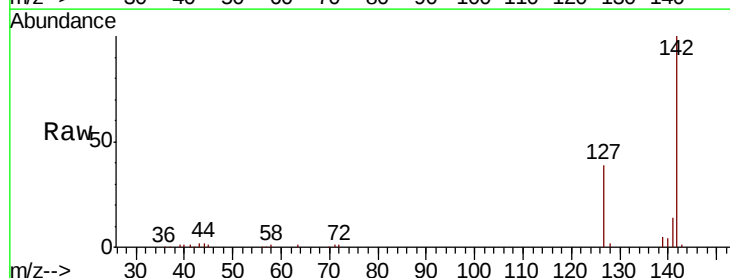
RT: 3.95 min Scan# 734

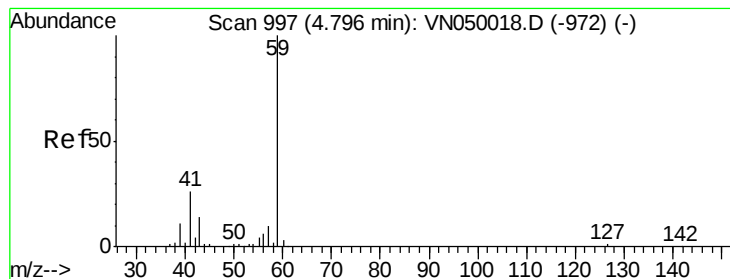
Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion:	142	Resp:	186508
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.4	50.2
141	14.0	11.6	17.4





#11

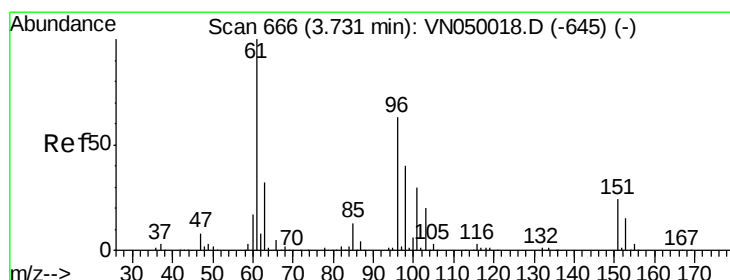
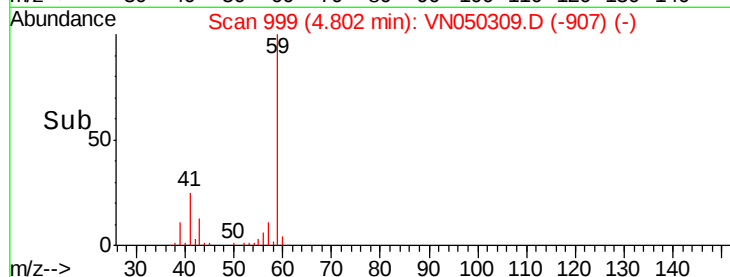
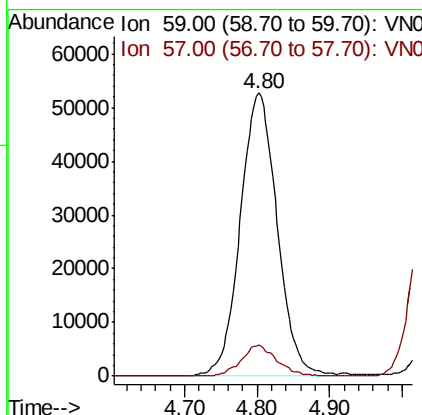
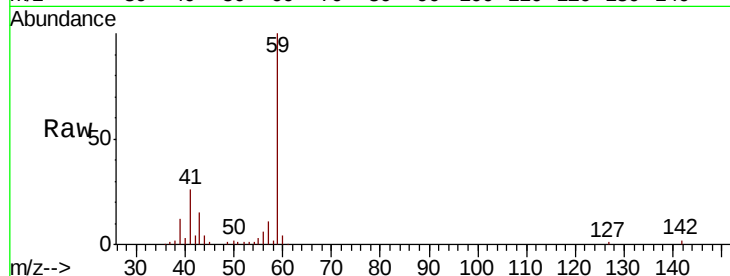
Tert butyl alcohol
 Concen: 301.87 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	59	Resp	186845
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

Manual Integrations
 APPROVED

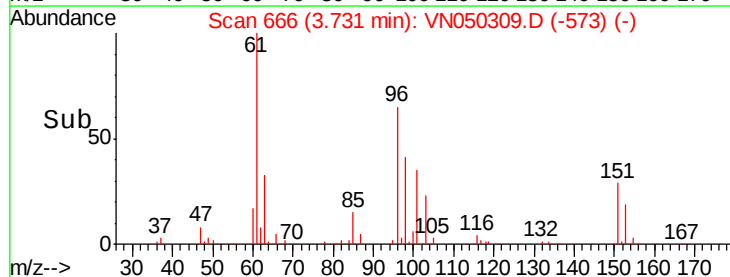
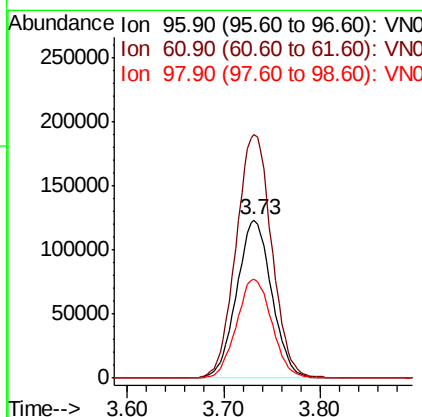
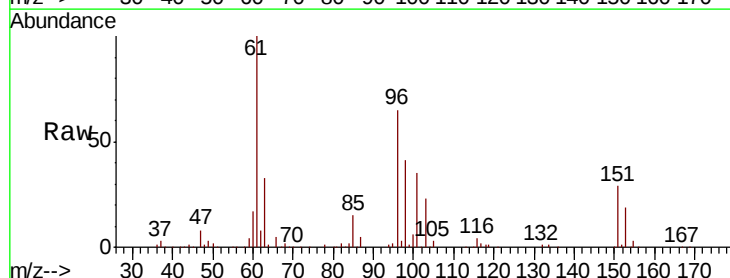
MMDadoda
 8/6/2018 11:38:18 AM

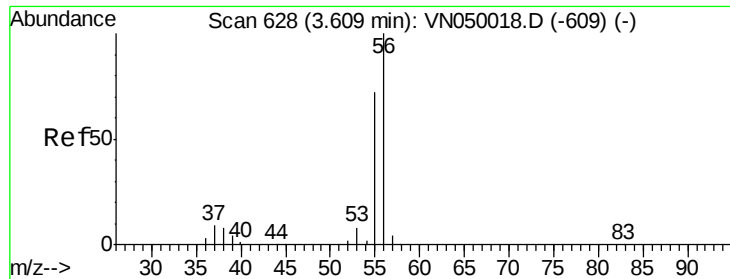


#12

1,1-Dichloroethene
 Concen: 44.54 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	96	Resp	309495
Ion Ratio	100	Lower	Upper
61	153.7	124.4	186.6
98	62.5	48.3	72.5





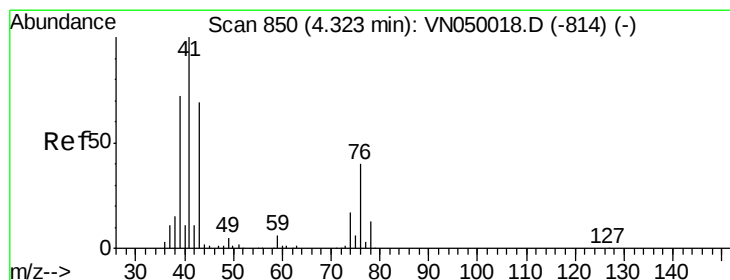
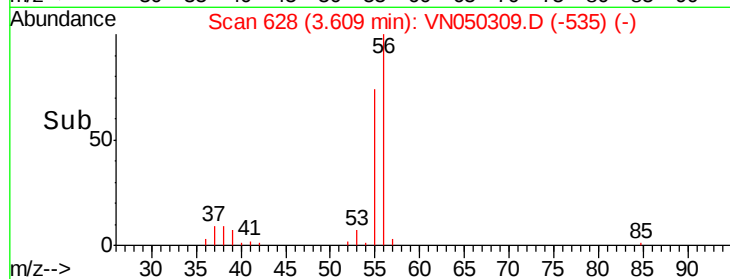
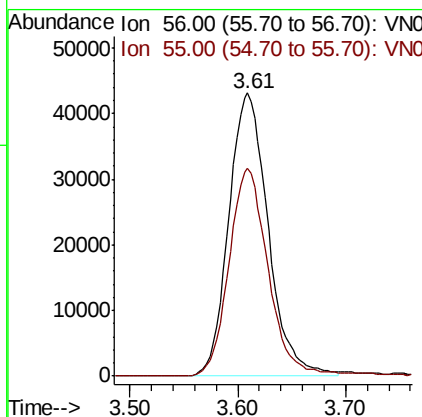
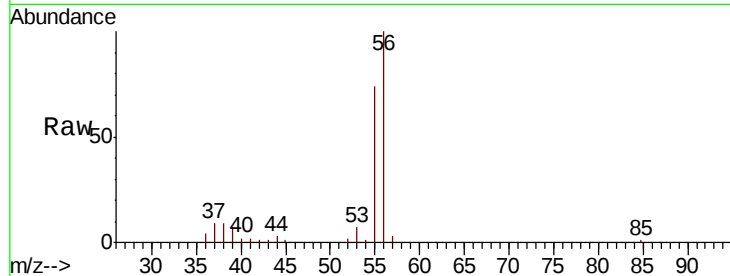
#13
Acrolein
Concen: 219.57 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.7	55.8	83.6

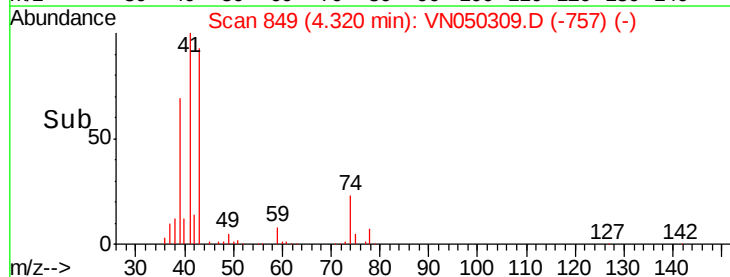
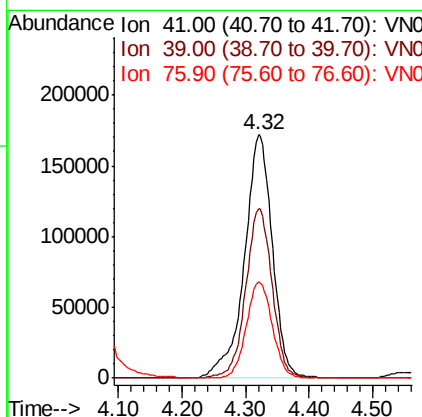
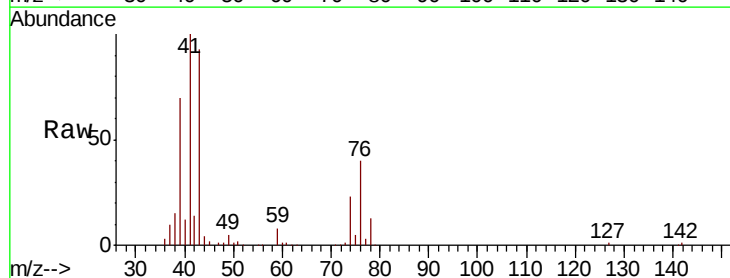
Manual Integrations
APPROVED

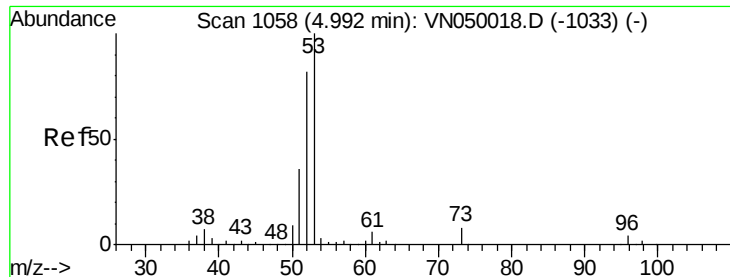
MMDadoda
8/6/2018 11:38:18 AM



#14
Allyl chloride
Concen: 48.76 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.2	81.4
76	36.7	29.0	43.6





#15

Acrylonitrile

Concen: 269.93 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

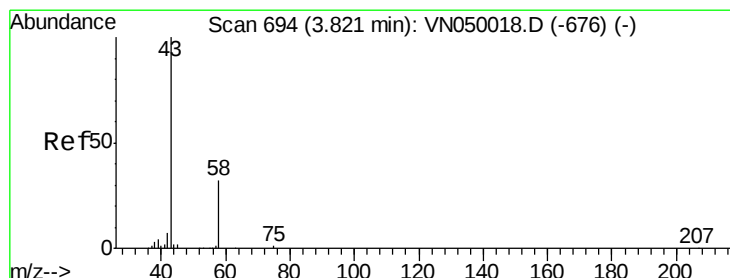
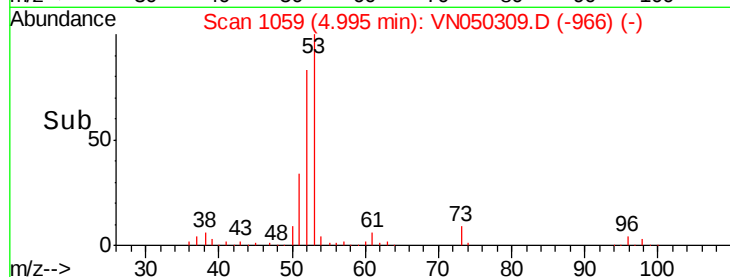
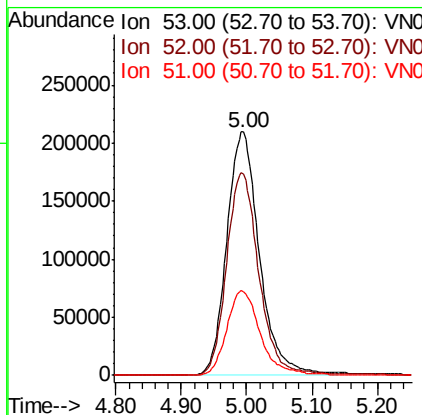
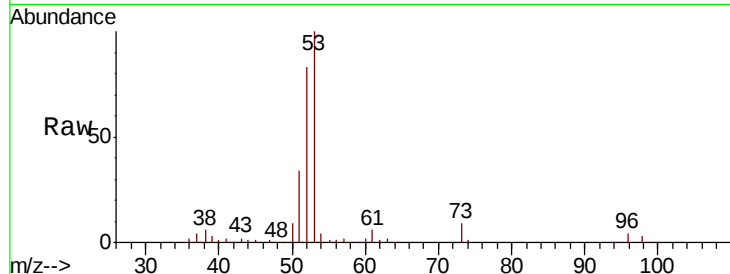
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	728929
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	35.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 294.81 ug/l

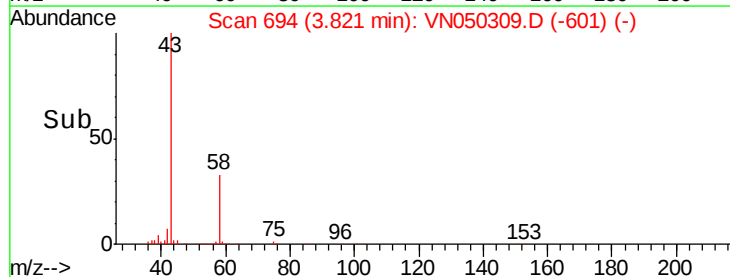
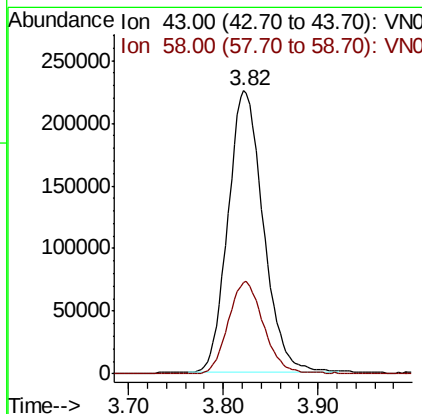
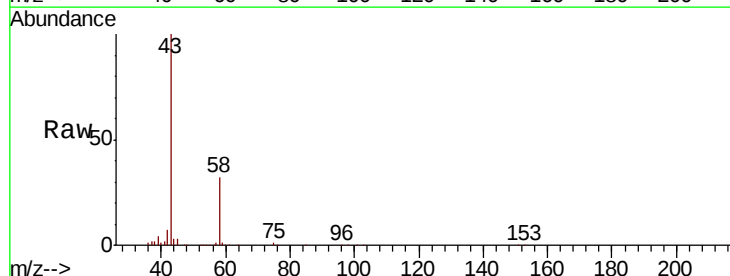
RT: 3.82 min Scan# 694

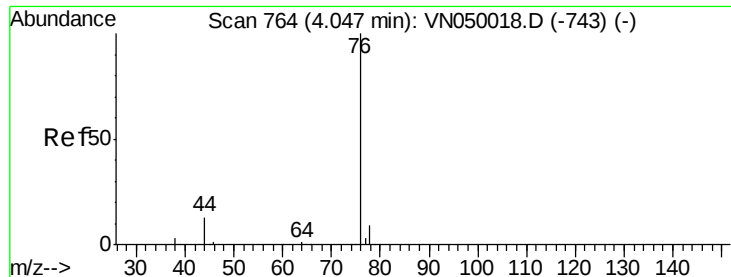
Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion:	43	Resp:	582629
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.8	38.8





#17

Carbon Disulfide

Concen: 37.92 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 807318

Ion Ratio Lower Upper

76 100

78 9.0

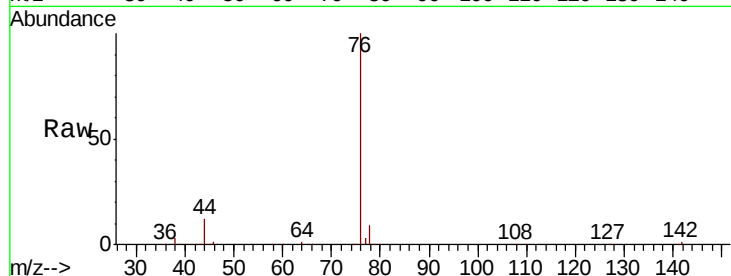
7.3 10.9

Manual Integrations

APPROVED

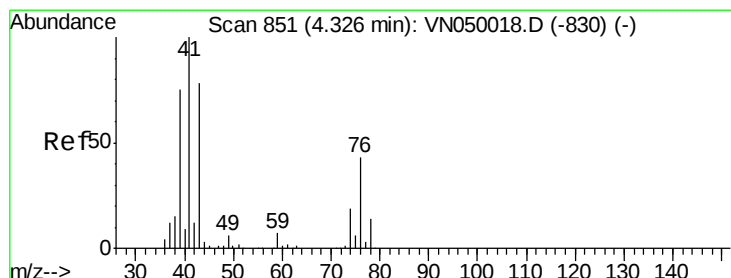
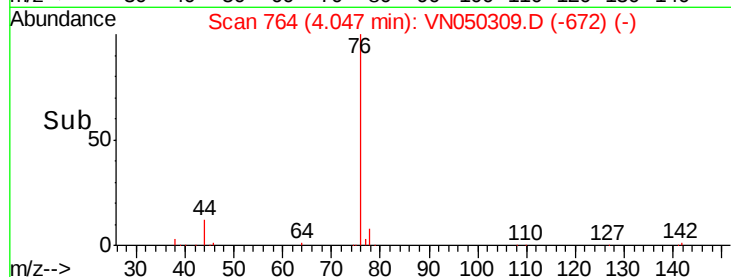
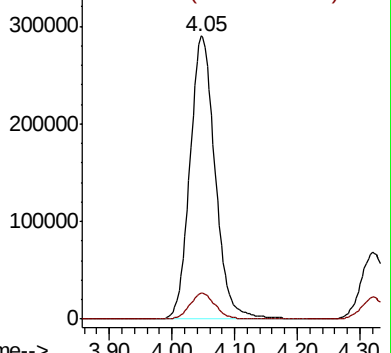
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 67.77 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

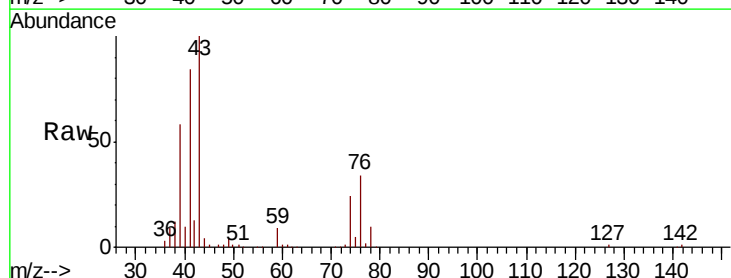
Tgt Ion: 43 Resp: 517822

Ion Ratio Lower Upper

43 100

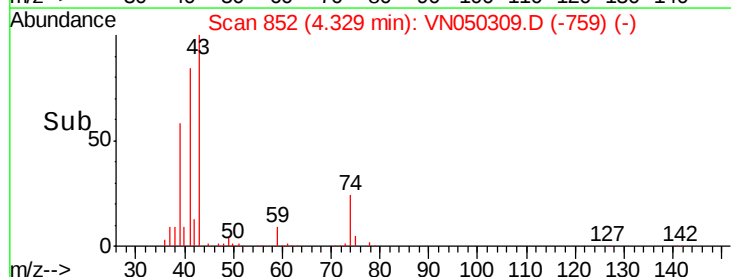
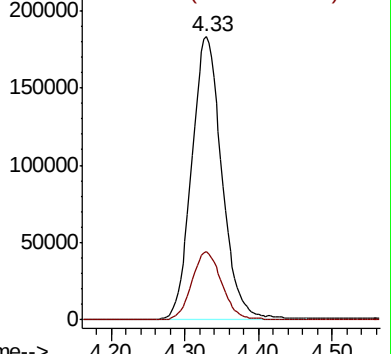
74 24.2

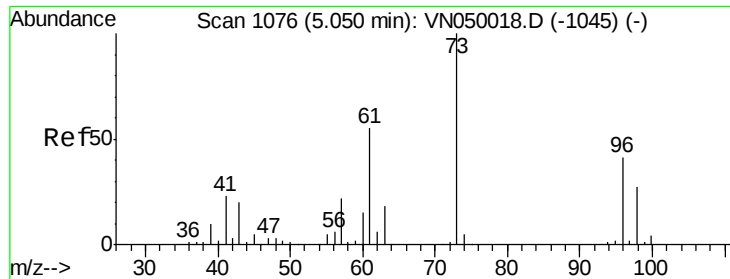
19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





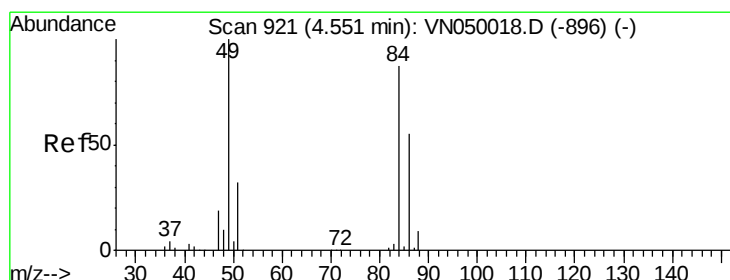
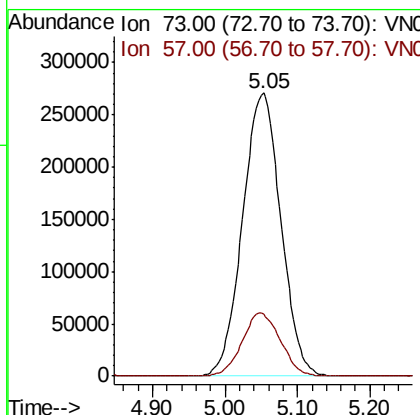
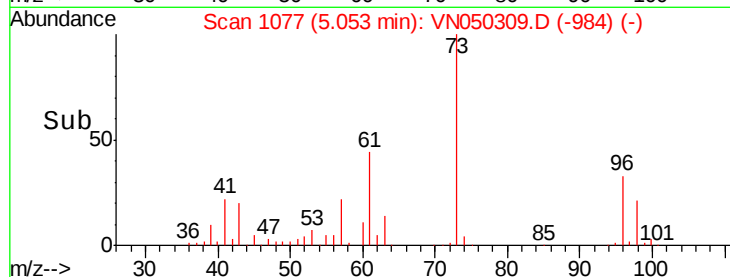
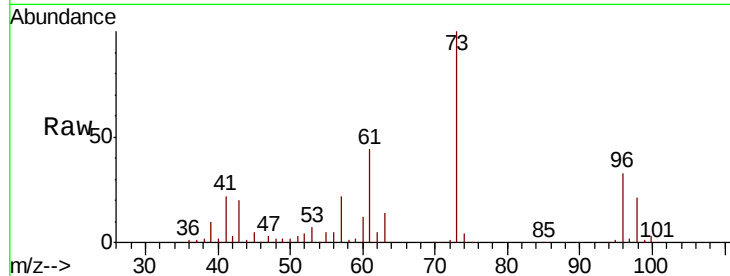
#19
Methyl tert-butyl Ether
Concen: 53.74 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 995155
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

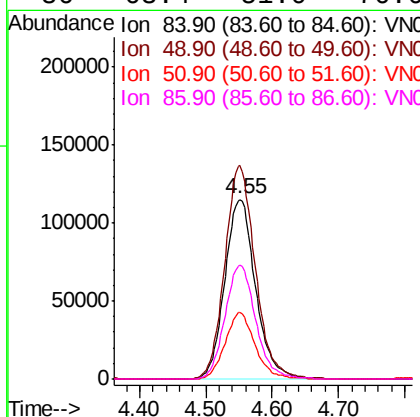
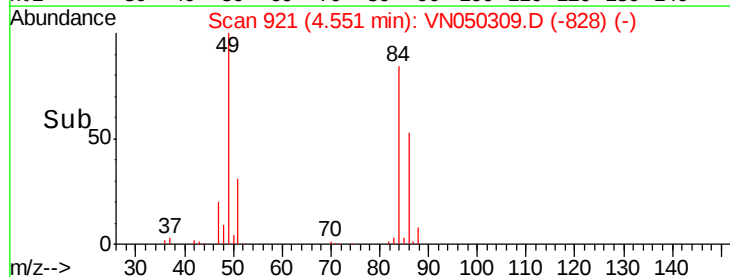
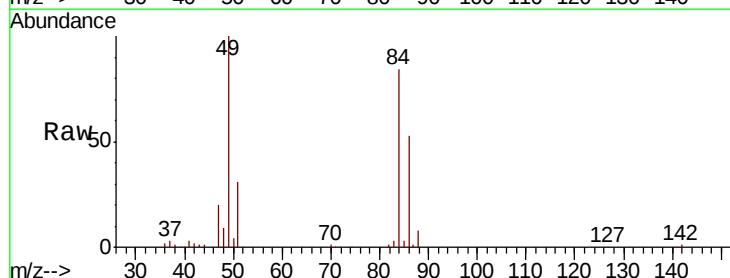
Manual Integrations
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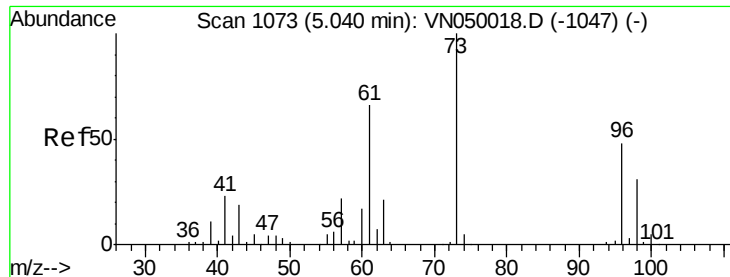
MMDadoda
8/6/2018 11:38:18 AM



#20
Methylene Chloride
Concen: 49.83 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 84 Resp: 371661
Ion Ratio Lower Upper
84 100
49 118.9 94.8 142.2
51 37.2 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.17 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 332599

Ion Ratio Lower Upper

96 100

61 137.9 110.7 166.1

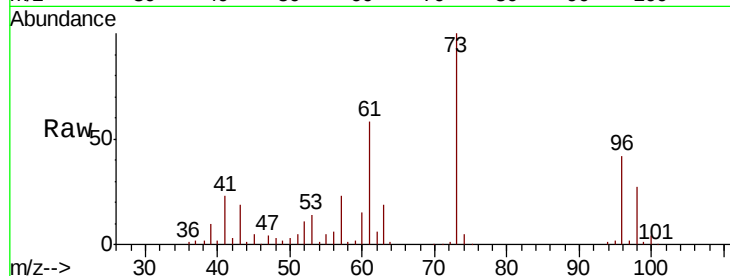
98 64.0 51.6 77.4

Manual Integrations

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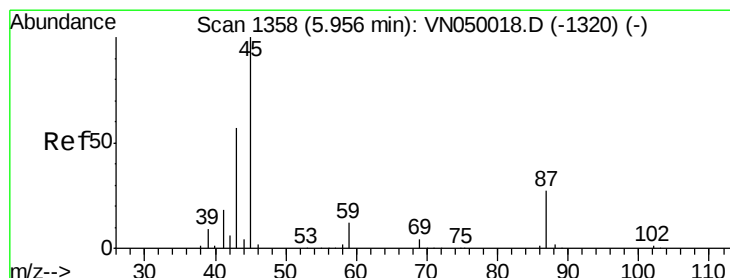
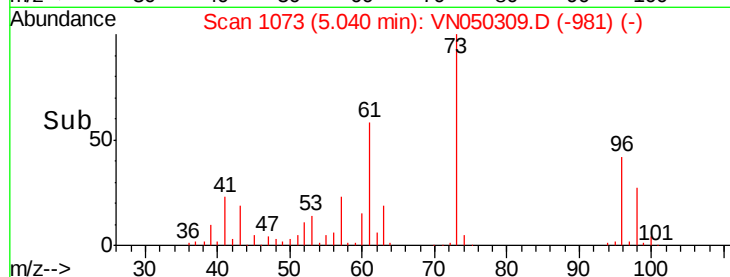
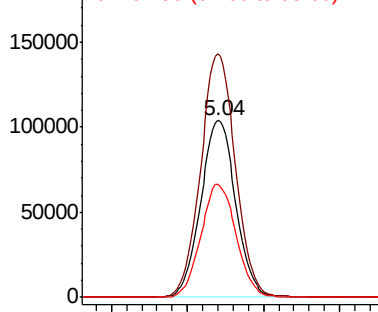


Abundance

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: 53.14 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion: 45 Resp: 1135366

Ion Ratio Lower Upper

45 100

43 57.1 45.7 68.5

87 28.2 22.7 34.1

59 12.4 9.5 14.3

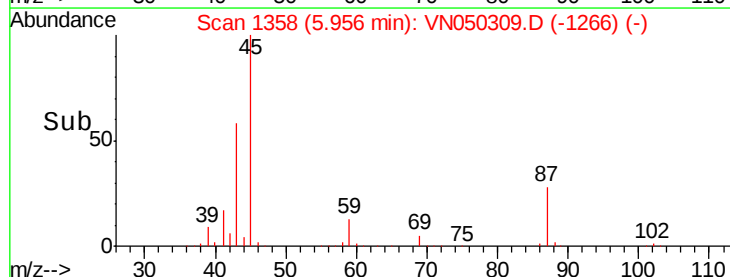
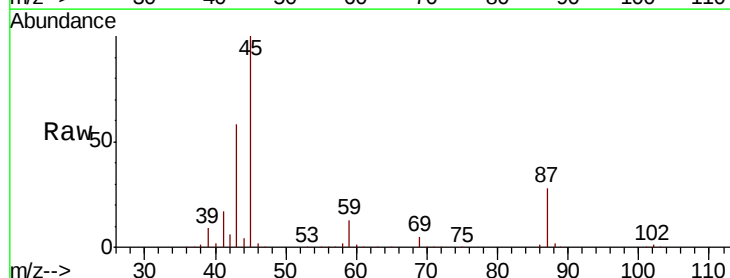
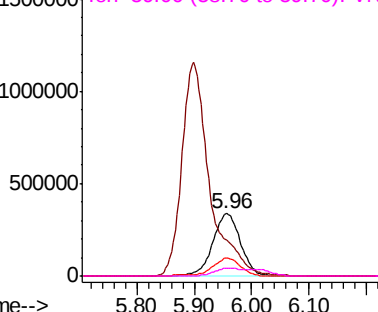
Abundance

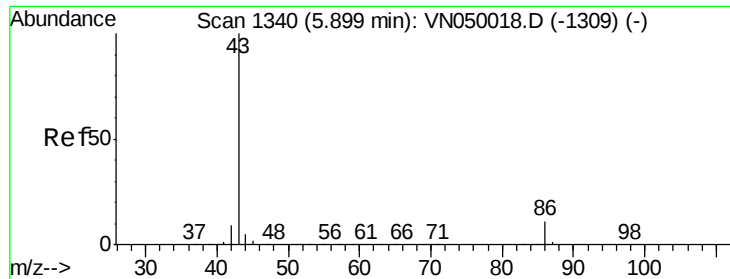
Ion 45.00 (44.70 to 45.70): VNO

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: 258.87 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3908633

Ion Ratio Lower Upper

43 100

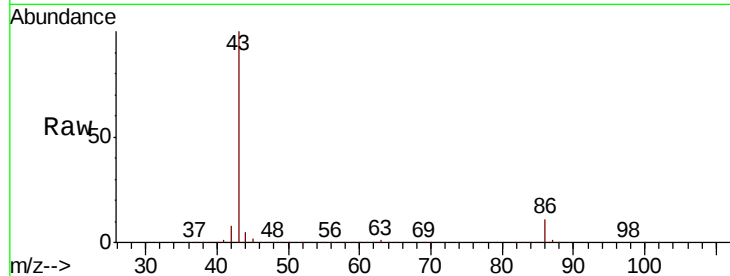
86 10.6 8.6 13.0

Manual Integrations

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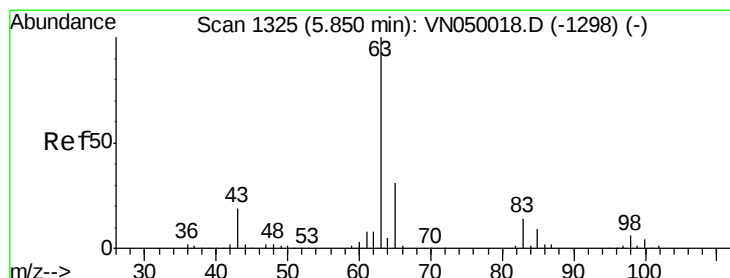
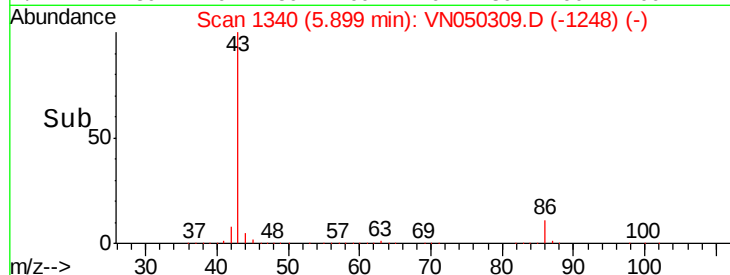
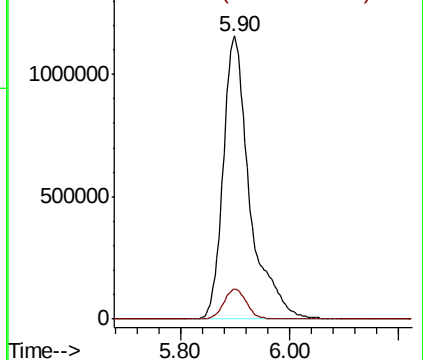
MMDadoda

8/6/2018 11:38:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.70 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

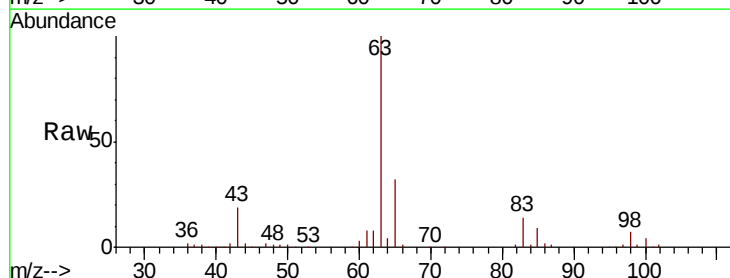
Tgt Ion: 63 Resp: 652392

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

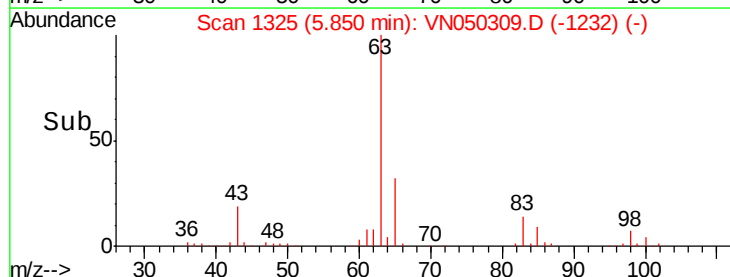
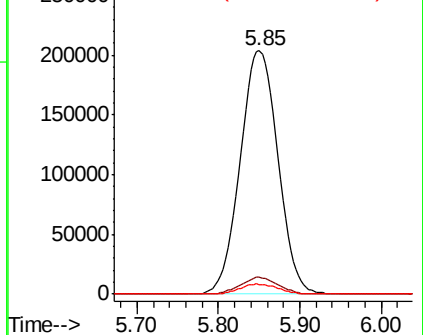
100 4.1 2.1 6.3

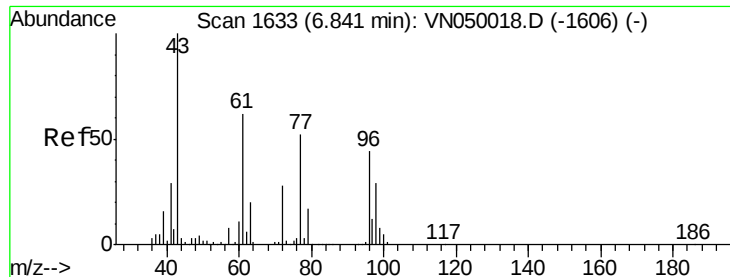


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 283.33 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 909119

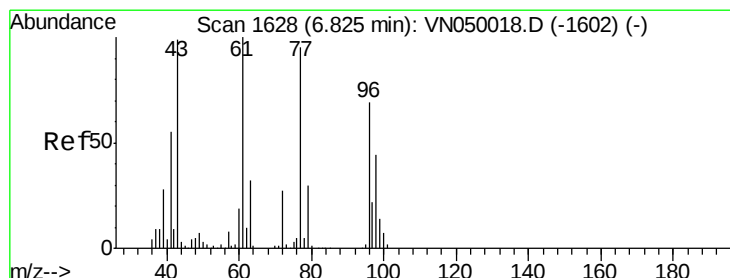
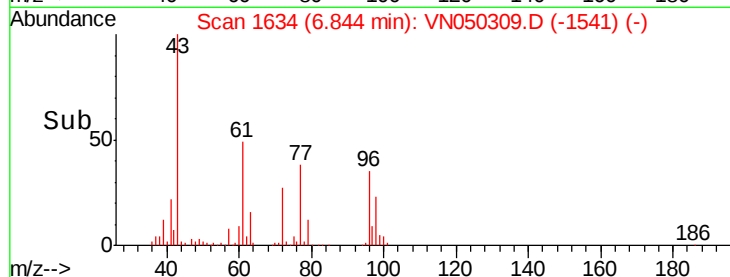
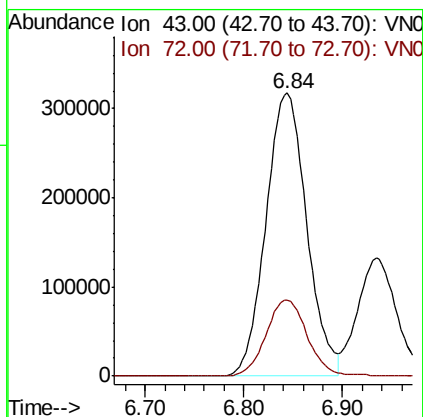
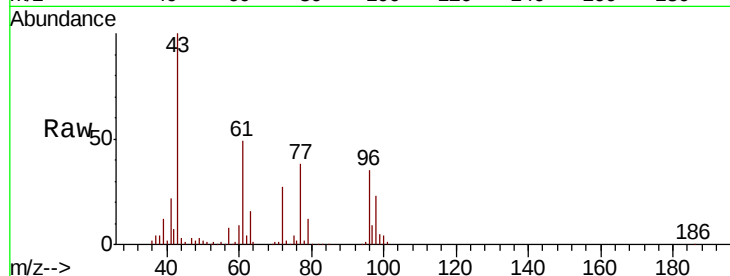
Ion Ratio Lower Upper

43 100

72 27.0 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 50.34 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050309.D

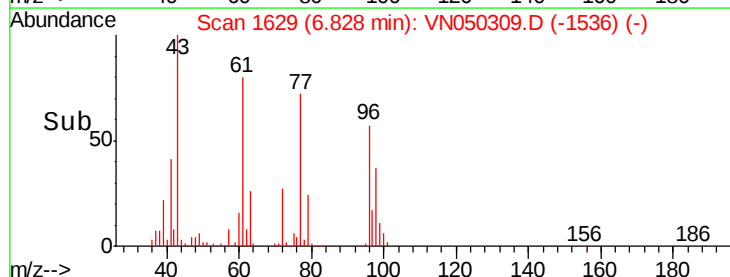
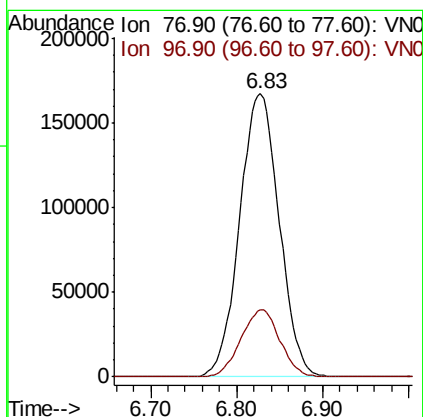
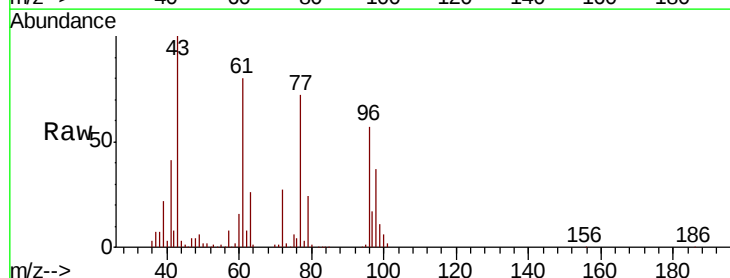
Acq: 3 Aug 2018 13:27

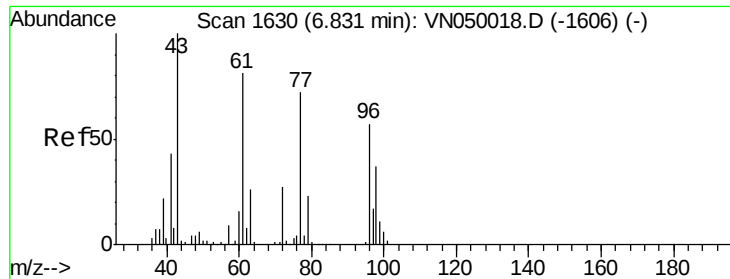
Tgt Ion: 77 Resp: 535041

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





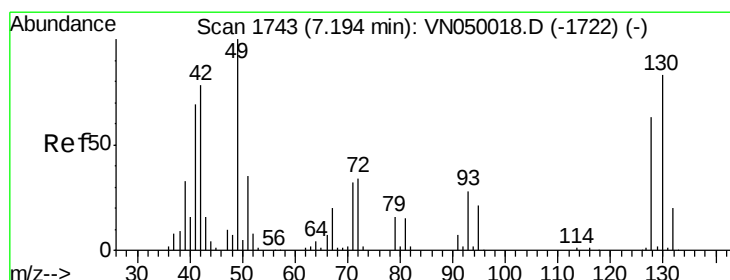
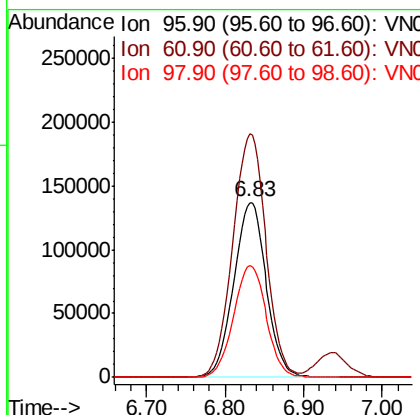
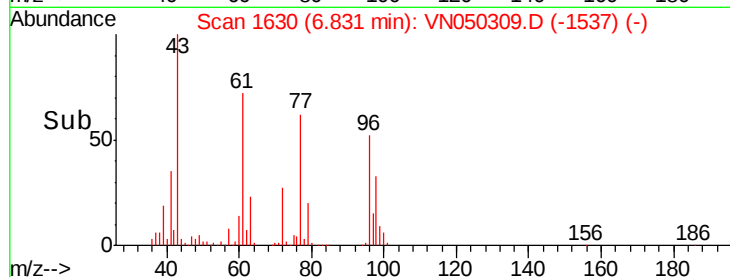
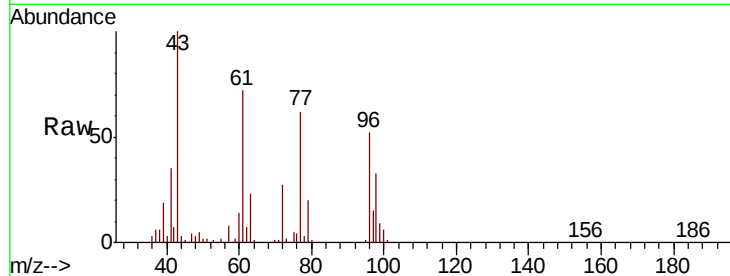
#27
 cis-1,2-Dichloroethene
 Concen: 49.94 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.2	0.0	285.0	
98	64.6	0.0	129.2	

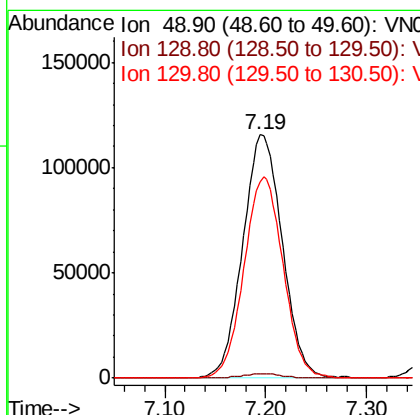
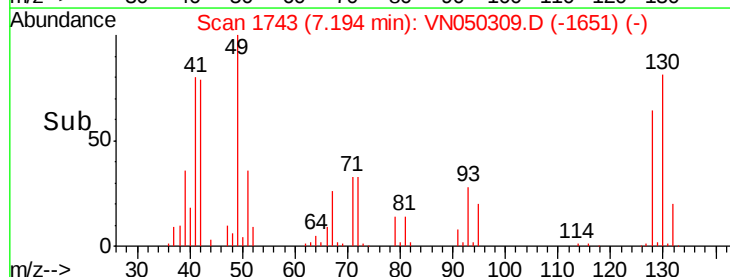
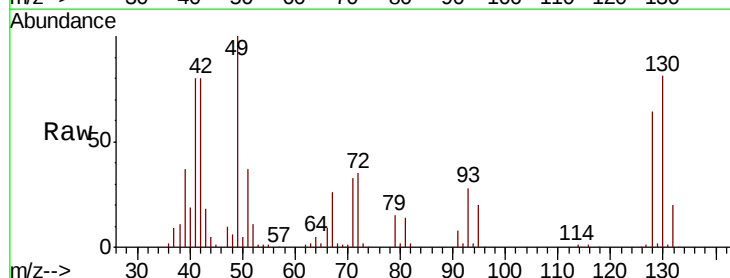
Manual Integrations
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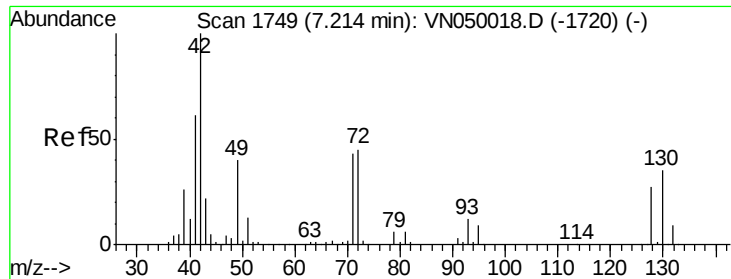
MMDadoda
 8/6/2018 11:38:18 AM



#28
 Bromochloromethane
 Concen: 49.33 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.0	
130	81.9	66.3	99.5	





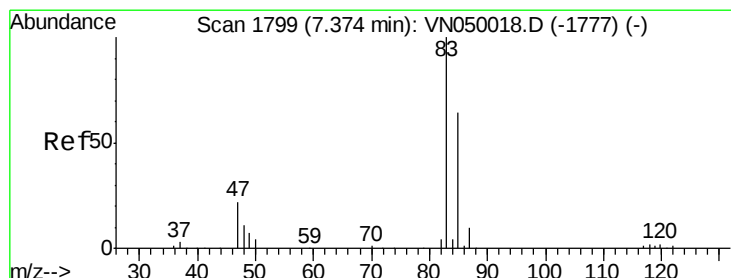
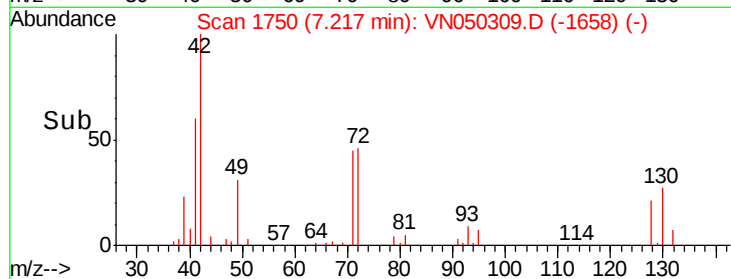
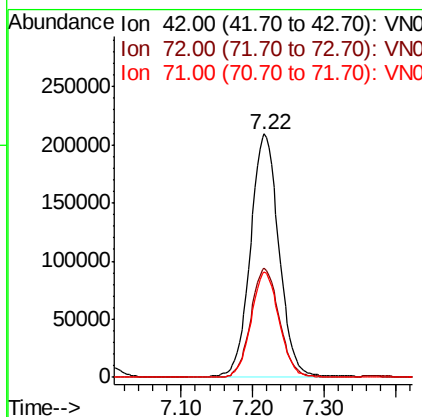
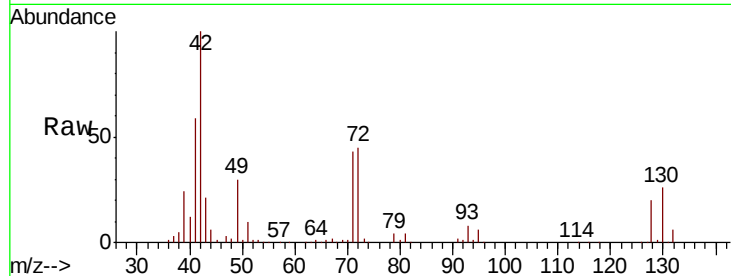
#29
Tetrahydrofuran
Concen: 280.07 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.2	33.7	50.5

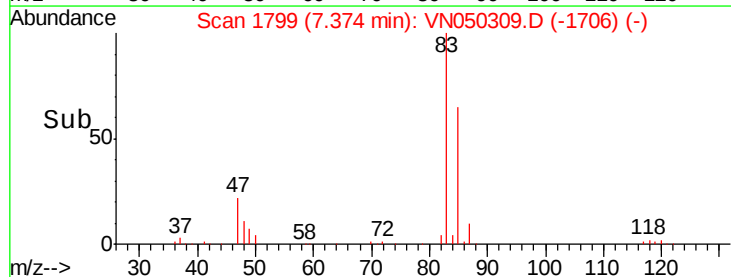
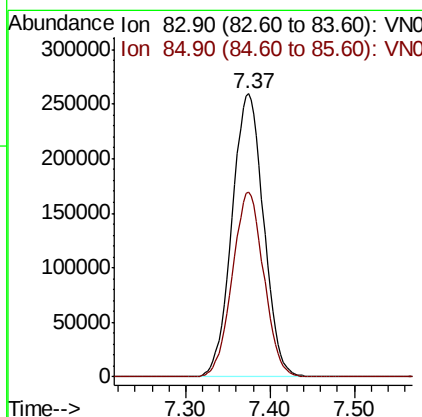
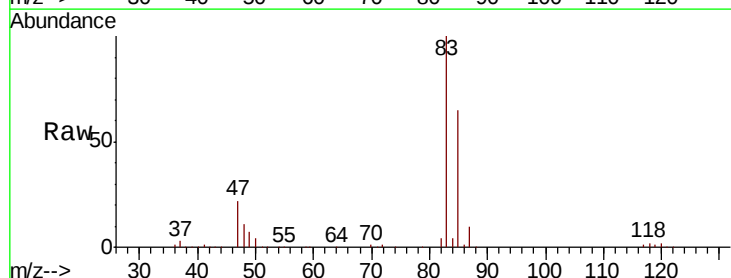
Manual Integrations
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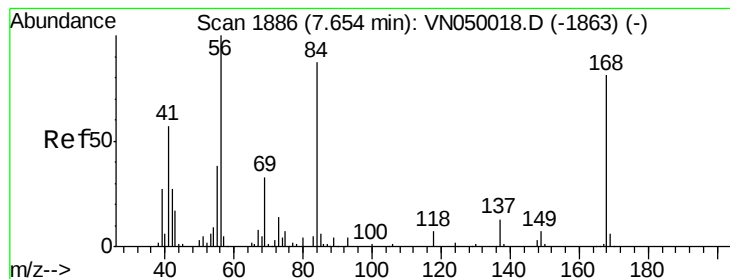
MMDadoda
8/6/2018 11:38:18 AM



#30
Chloroform
Concen: 47.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31

Cyclohexane

Concen: 45.66 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 529127

Ion Ratio Lower Upper

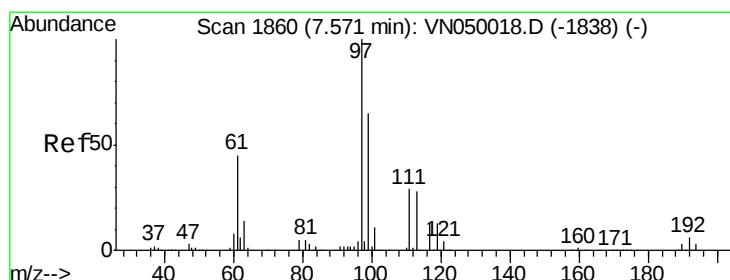
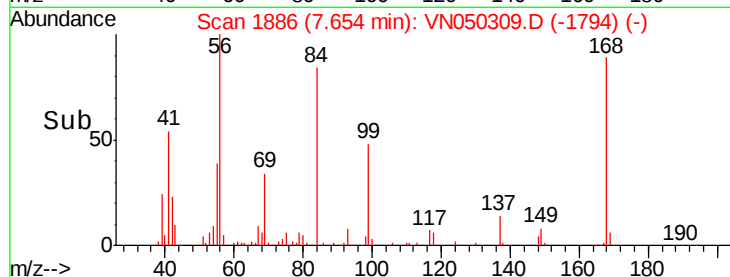
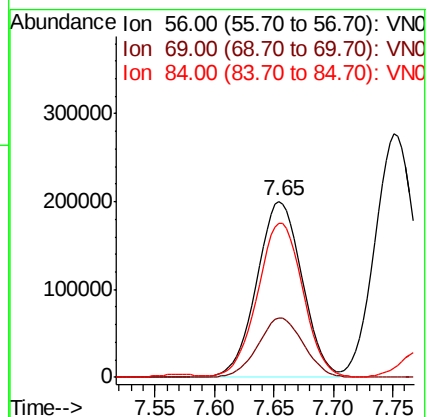
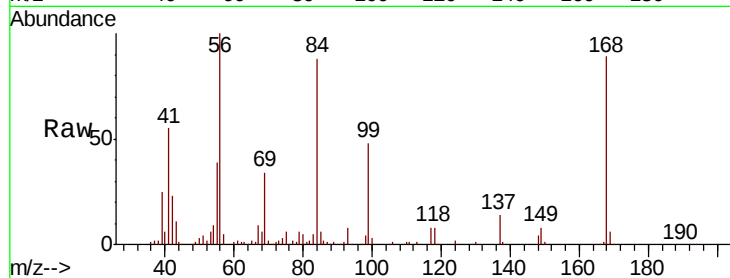
56 100

69 33.9 26.2 39.4

84 86.2 67.4 101.0

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:18 AM



#32

1,1,1-Trichloroethane

Concen: 46.81 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

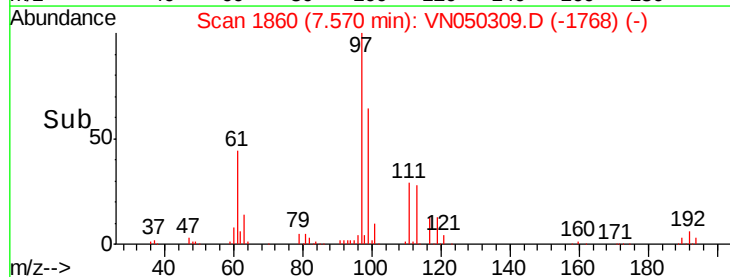
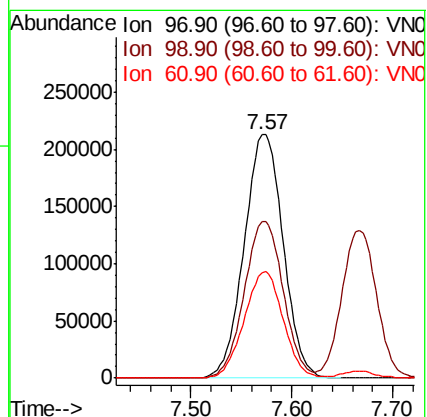
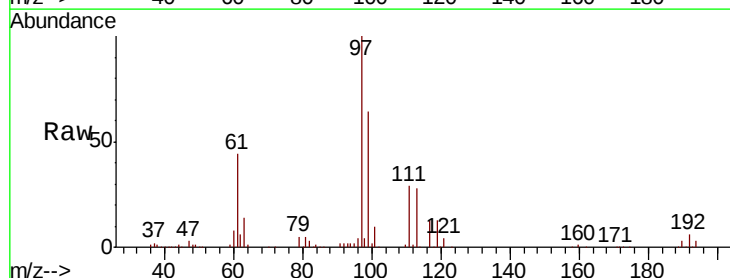
Tgt Ion: 97 Resp: 570877

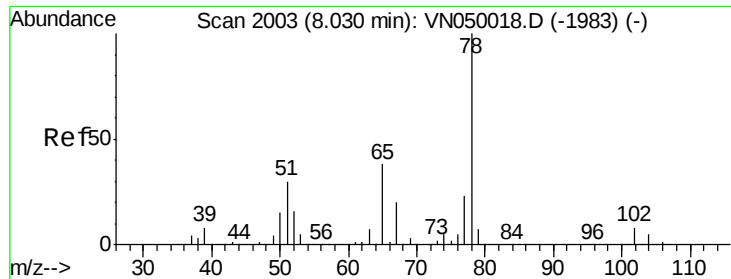
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 43.8 35.4 53.0





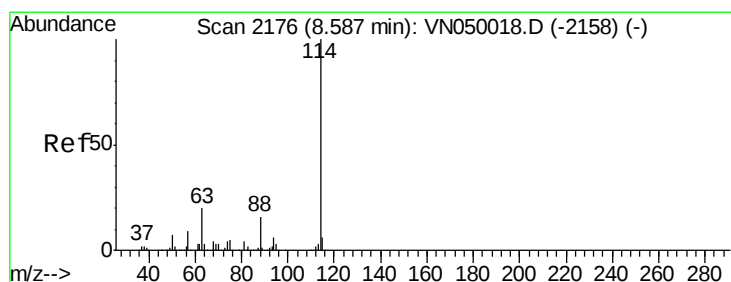
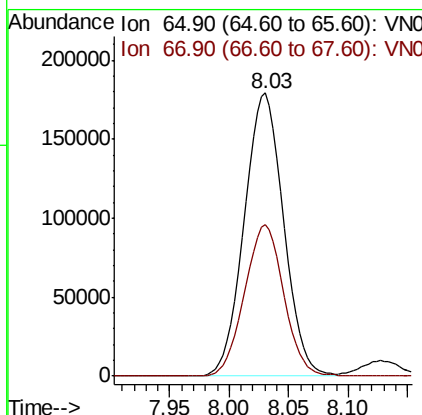
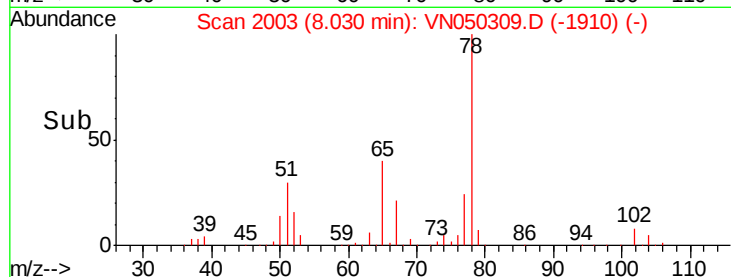
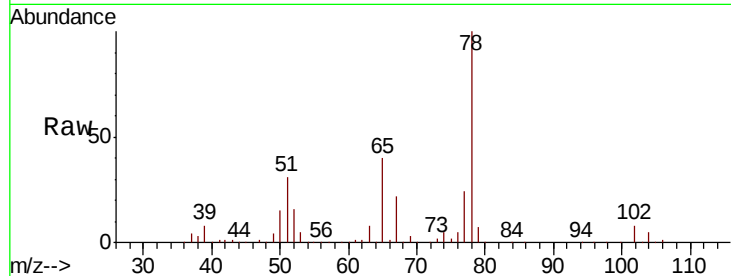
#33
 1,2-Dichloroethane-d4
 Concen: 48.83 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	108.4	

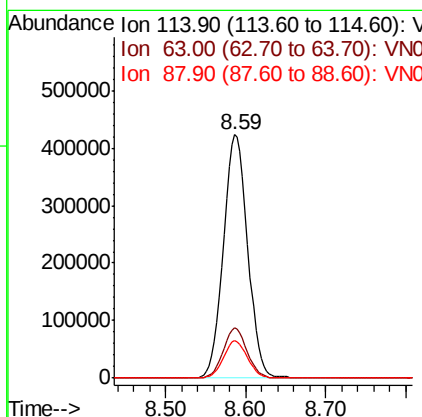
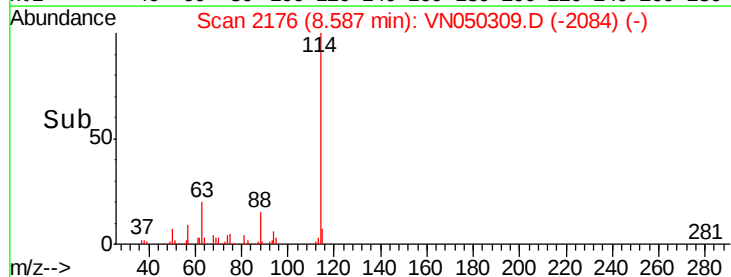
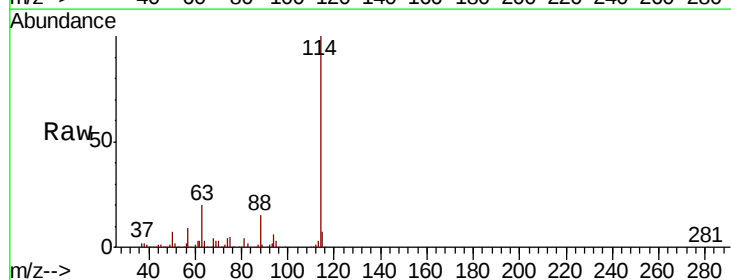
Manual Integrations
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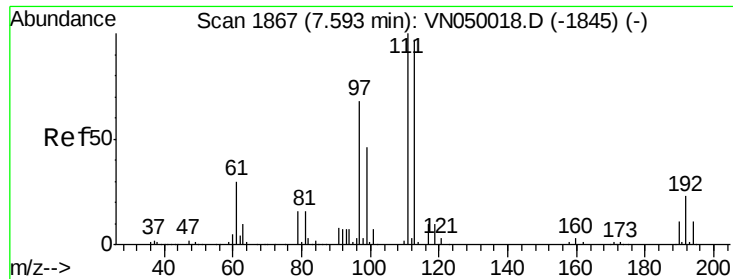
MMDadoda
 8/6/2018 11:38:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	40.0	
88	15.4	0.0	31.2	





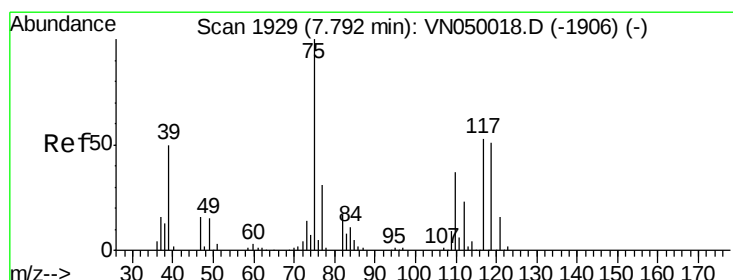
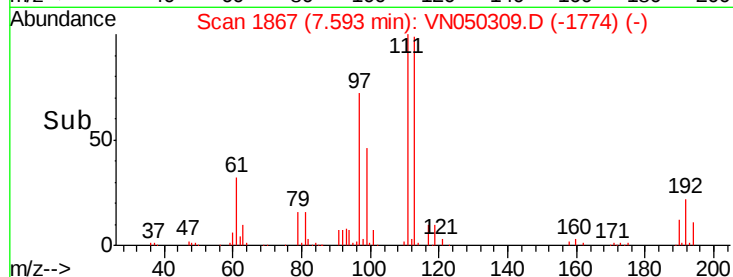
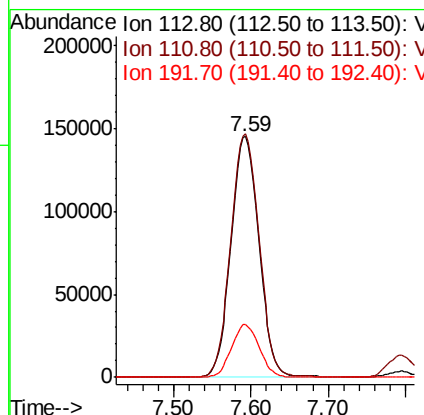
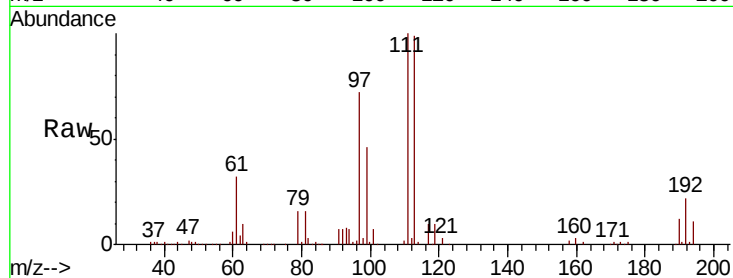
#35
 Dibromofluoromethane
 Concen: 50.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	363971		
111	102.6	80.7	121.1	
192	21.8	17.8	26.6	

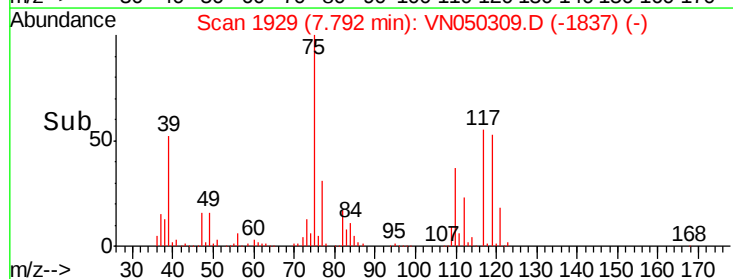
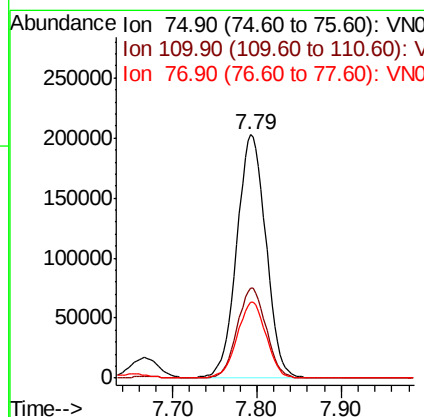
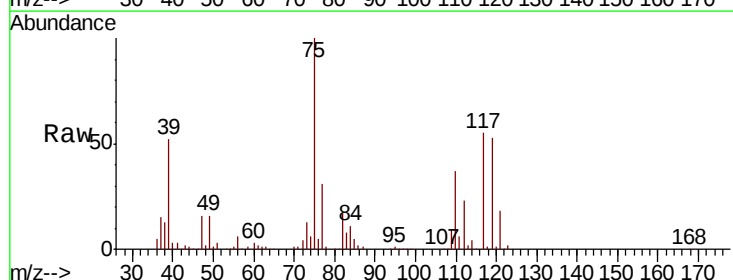
Manual Integrations
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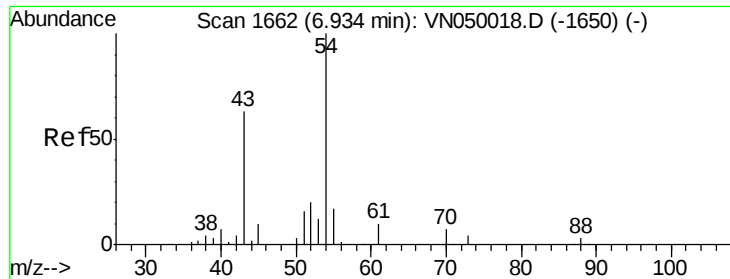
MMDadoda
 8/6/2018 11:38:18 AM



#36
 1,1-Dichloropropene
 Concen: 49.09 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	487660		
110	36.6	18.4	55.2	
77	31.2	25.3	37.9	





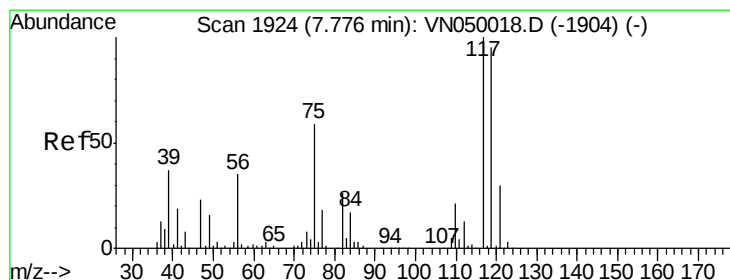
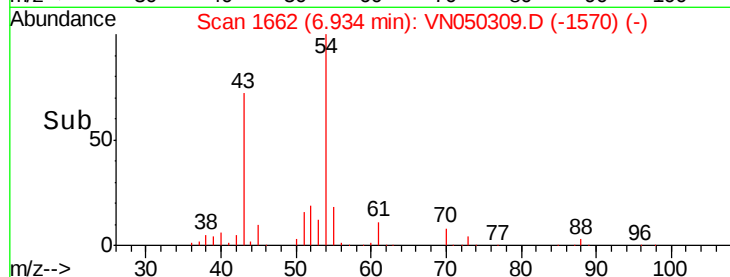
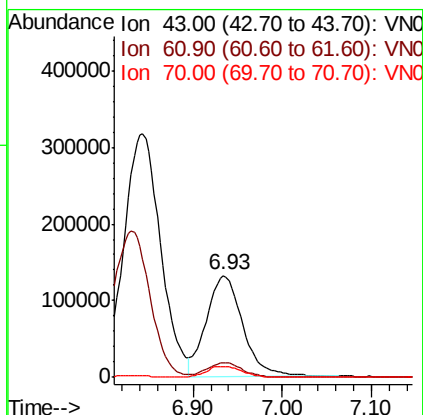
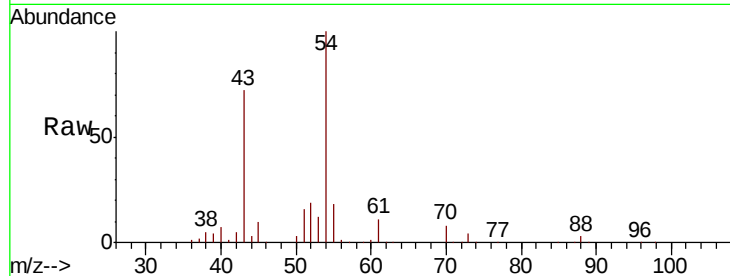
#37
Ethyl Acetate
Concen: 53.83 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.8
70	10.4	8.4	12.6

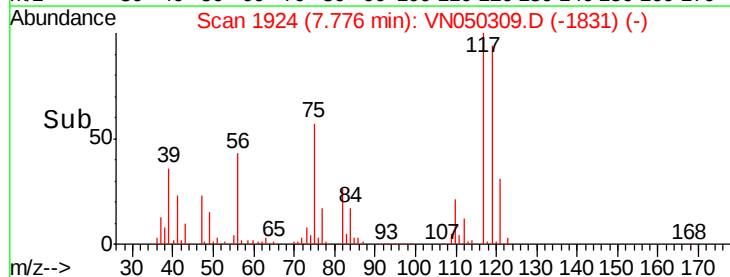
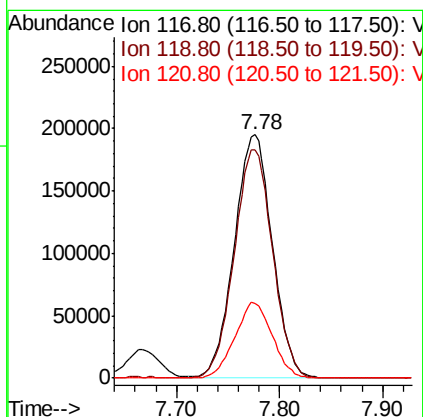
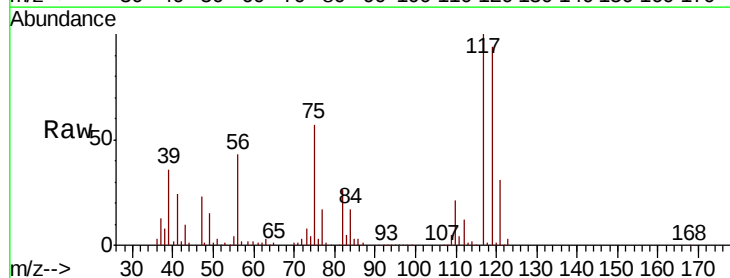
Manual Integrations
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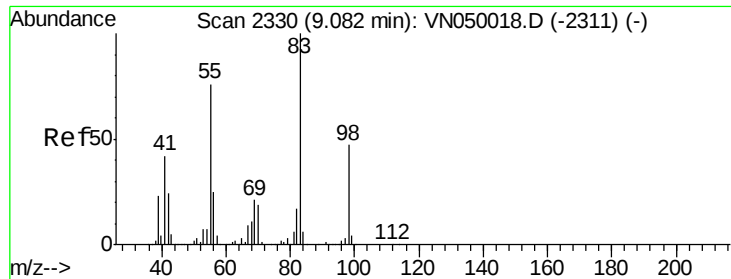
MMDadoda
8/6/2018 11:38:18 AM



#38
Carbon Tetrachloride
Concen: 47.54 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.4	116.0
121	30.9	23.9	35.9





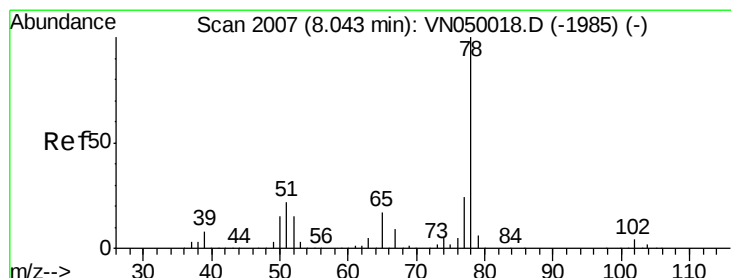
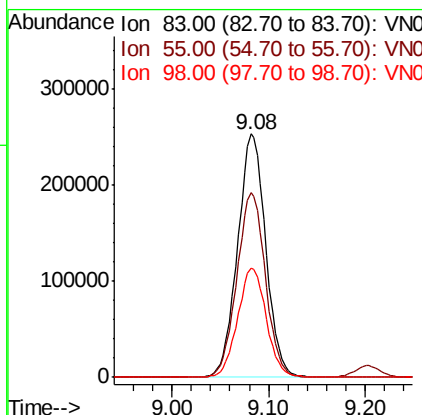
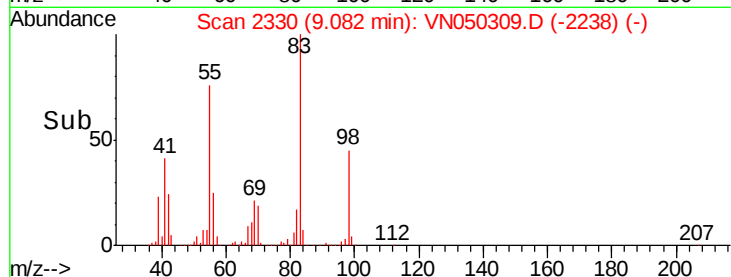
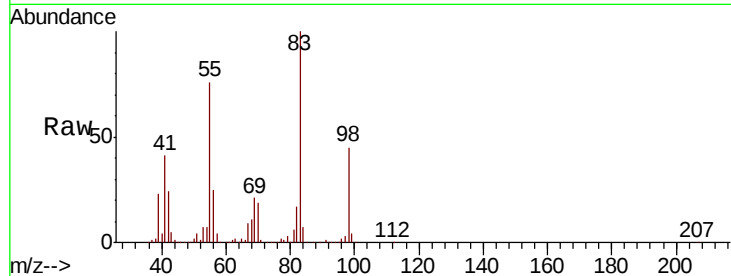
#39
Methvlcvclohexane
Concen: 49.93 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.7	61.8	92.8	
98	45.1	36.5	54.7	

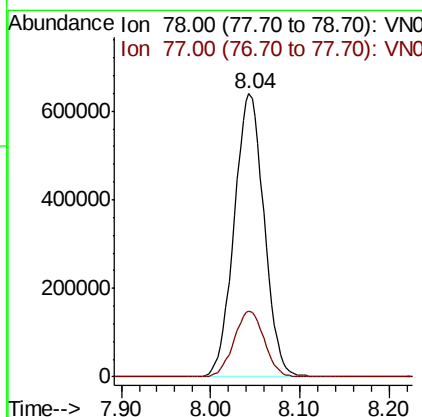
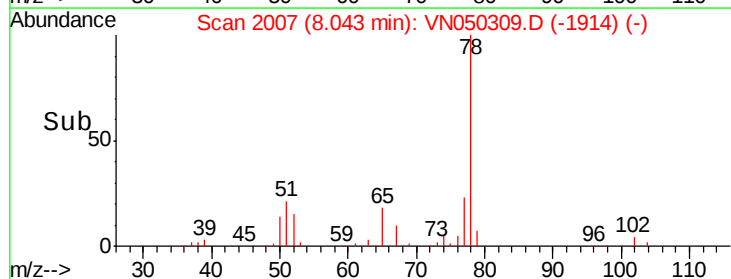
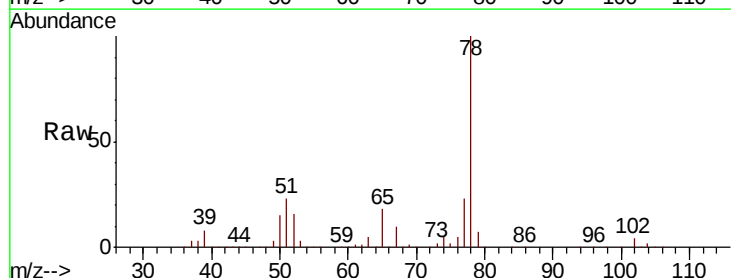
Manual Integrations
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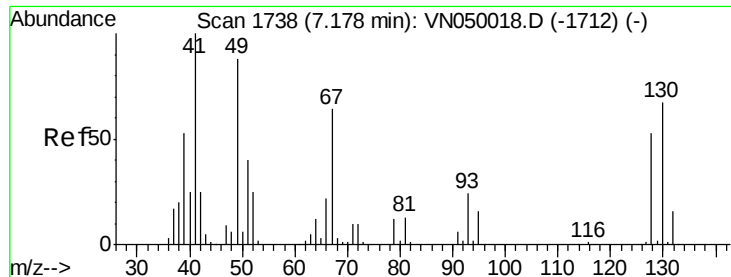
MMDadoda
8/6/2018 11:38:18 AM



#40
Benzene
Concen: 49.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.7	28.1	





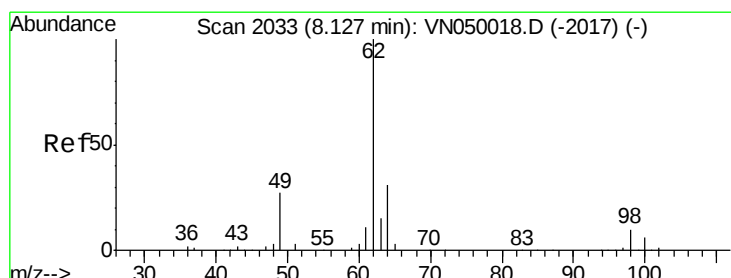
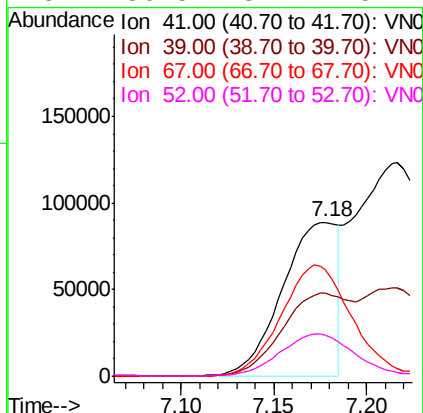
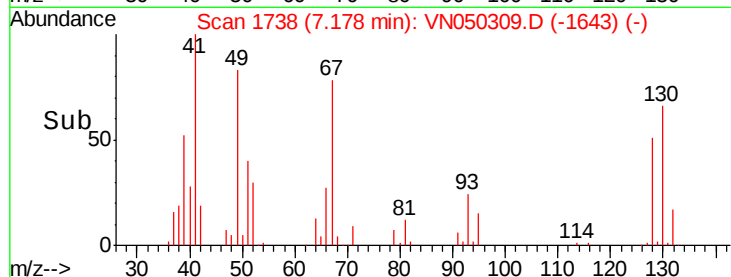
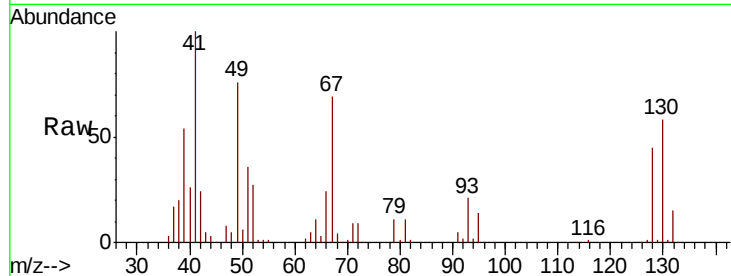
#41
Methacrylonitrile
Concen: 51.30 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	185329
Ion Ratio	Lower	Upper	
41	100		
39	66.8	55.8	83.6
67	92.8	84.3	126.5
52	36.5	34.2	51.2

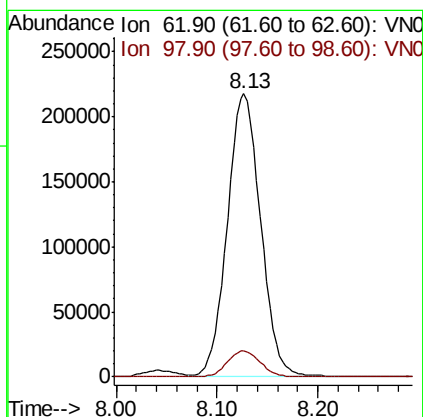
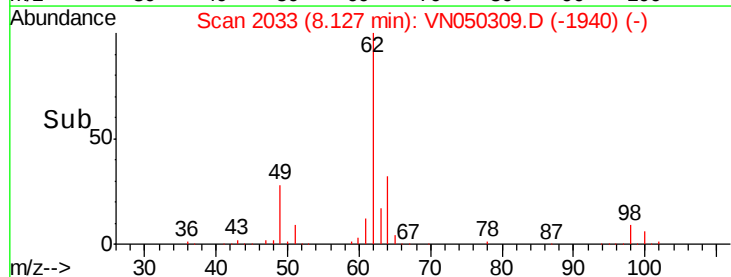
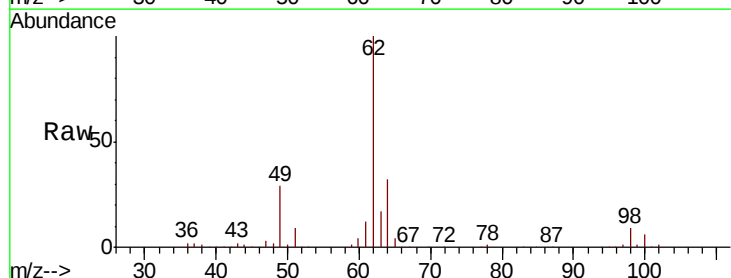
Manual Integrations
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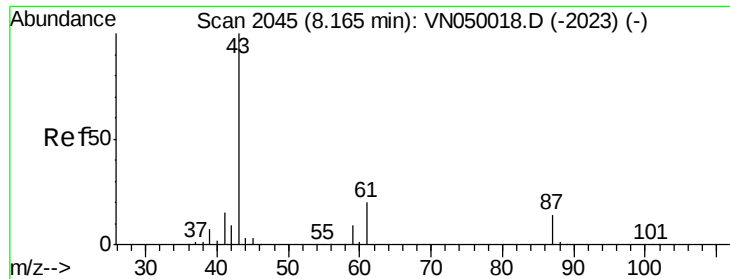
MMDadoda
8/6/2018 11:38:18 AM



#42
1,2-Dichloroethane
Concen: 49.47 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	62	Resp	498915
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.8





#43

Isopropyl Acetate

Concen: 53.28 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

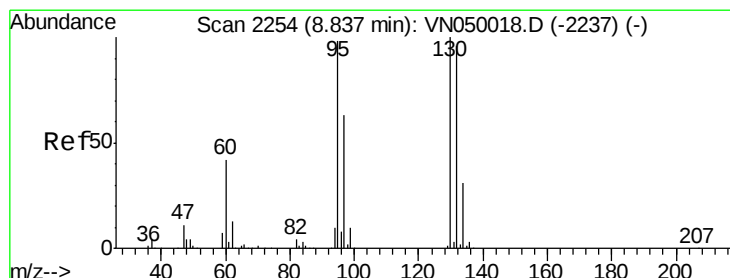
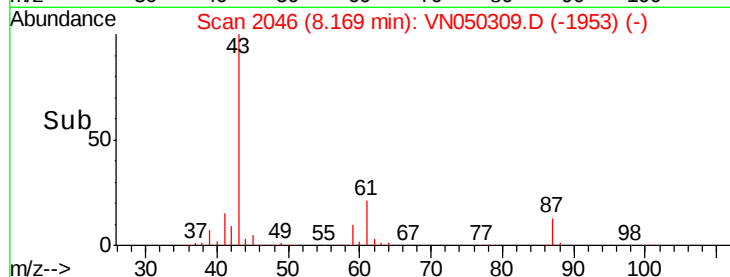
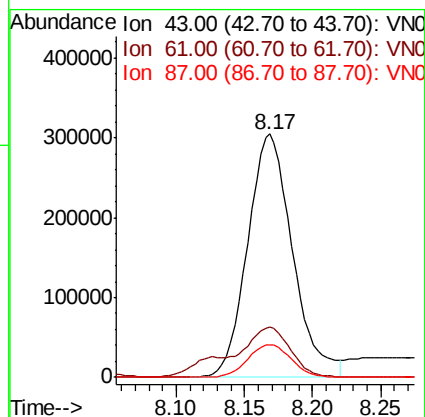
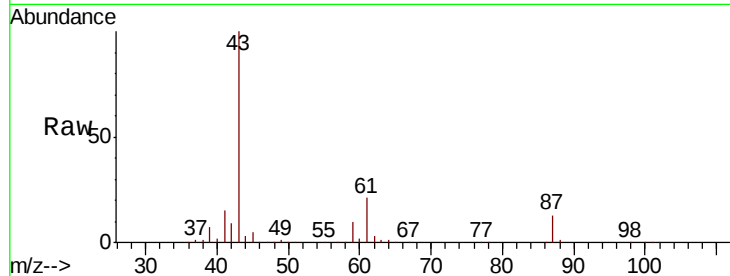
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	694416
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.8	23.6
87	13.1	10.3	15.5

Manual Integrations
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8/6/2018 11:38:18 AM



#44

Trichloroethene

Concen: 47.50 ug/l

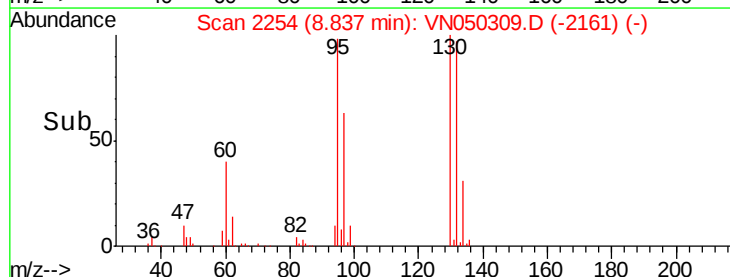
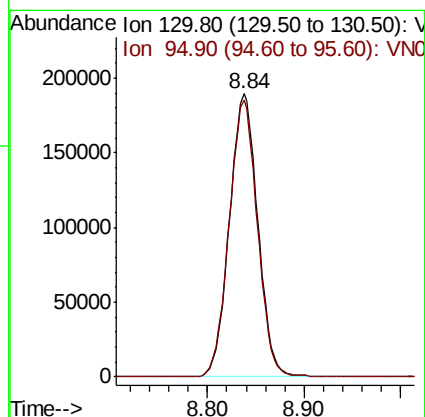
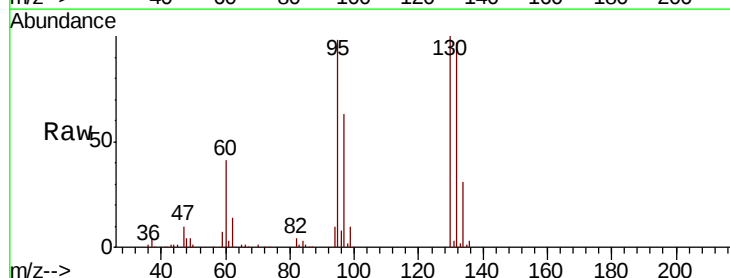
RT: 8.84 min Scan# 2254

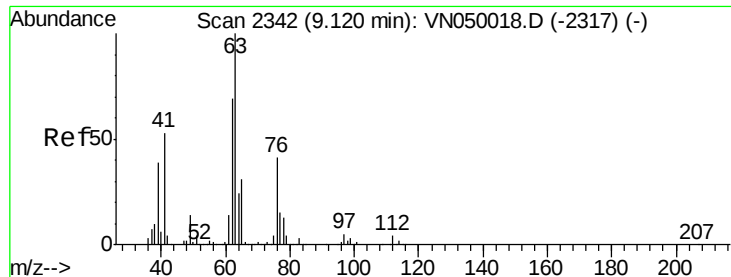
Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion:	130	Resp:	385830
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	194.6





#45

1,2-Dichloropropane

Concen: 50.66 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 405648

Ion Ratio Lower Upper

63 100

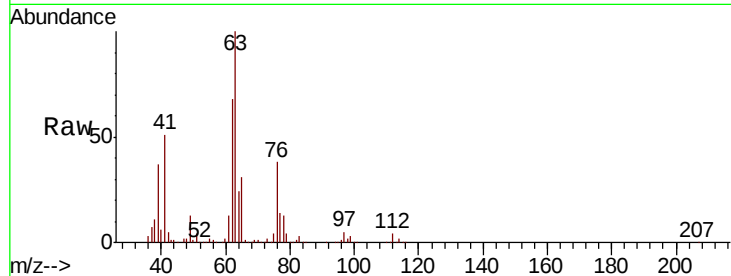
65 30.5 25.5 38.3

Manual Integrations

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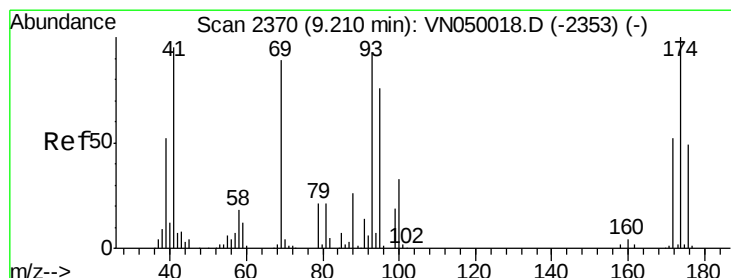
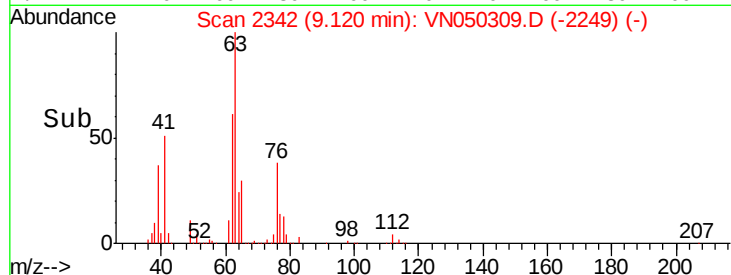
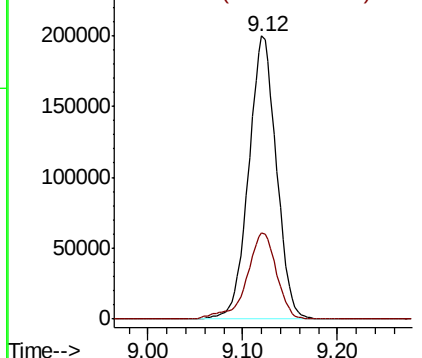
MMDadoda

8/6/2018 11:38:18 AM



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#46

Dibromomethane

Concen: 51.16 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

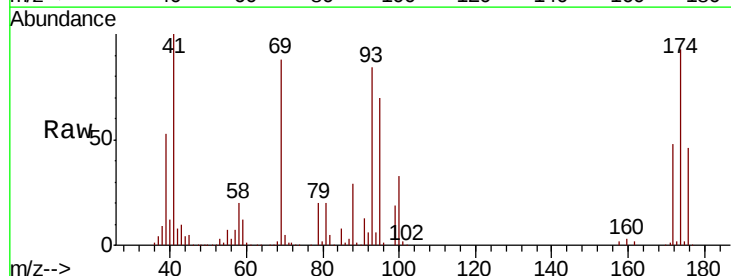
Tgt Ion: 93 Resp: 254352

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

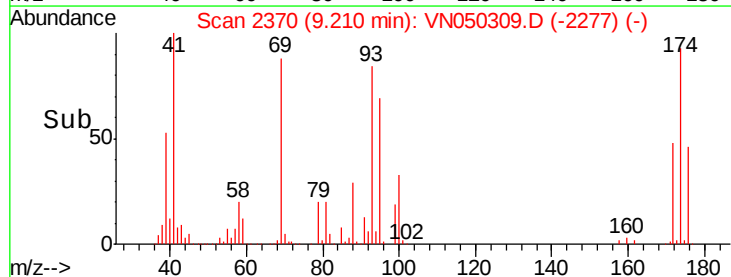
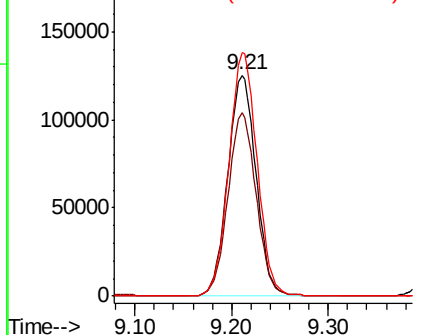
174 110.2 87.1 130.7

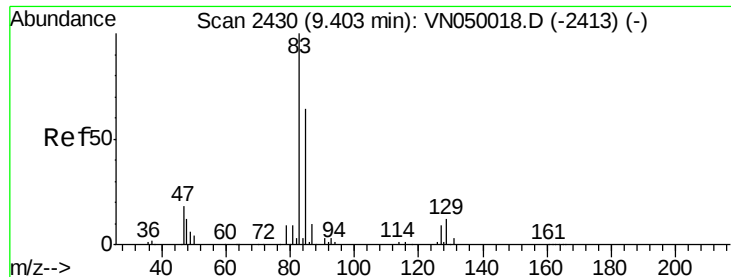


Abundance Ion 92.80 (92.50 to 93.50): VNC

Ion 94.80 (94.50 to 95.50): VNC

Ion 173.70 (173.40 to 174.40): V





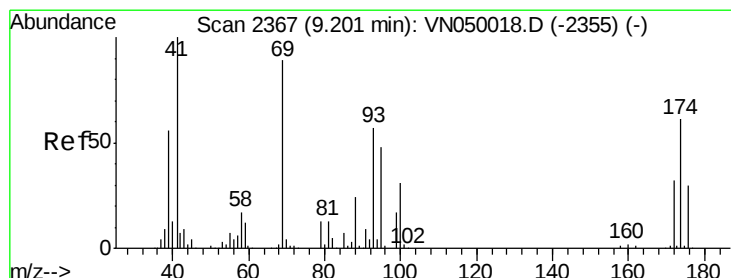
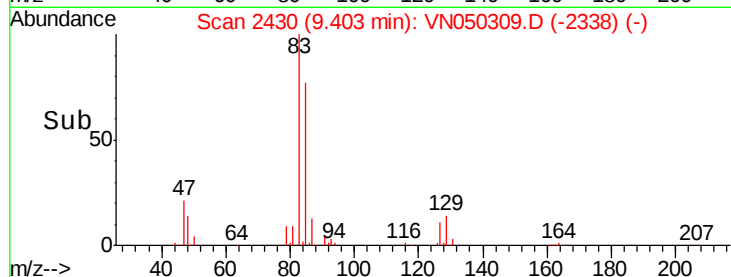
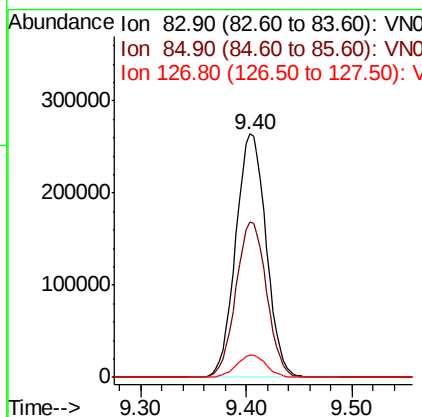
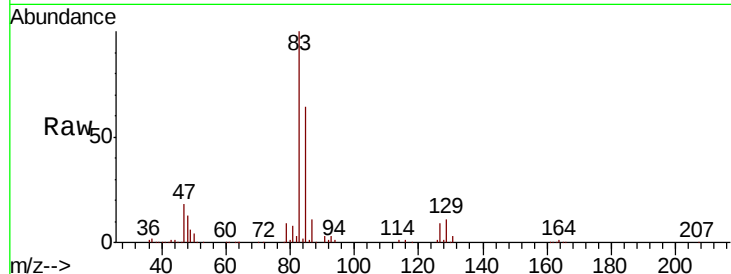
#47
Bromodichloromethane
Concen: 50.49 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	51.1	76.7	
127	9.1	7.0	10.4	

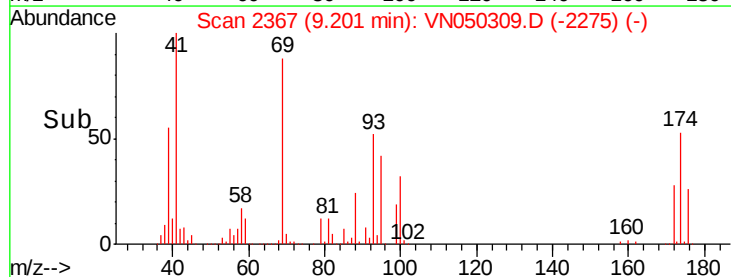
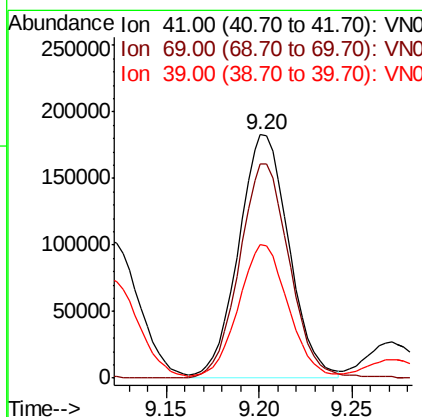
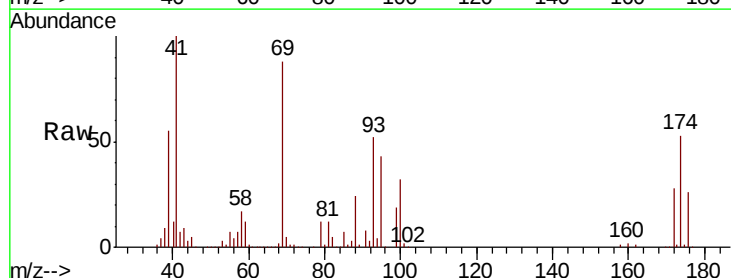
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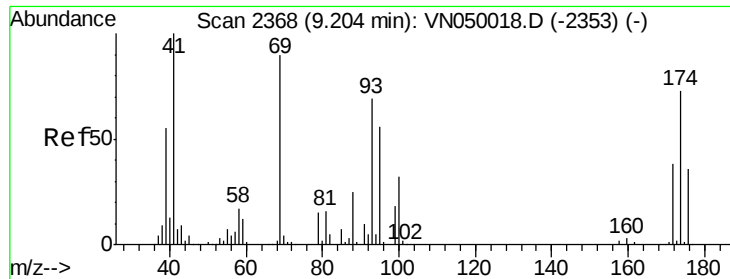
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#48
Methyl methacrylate
Concen: 57.54 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.2	70.6	105.8	
39	54.1	43.9	65.9	





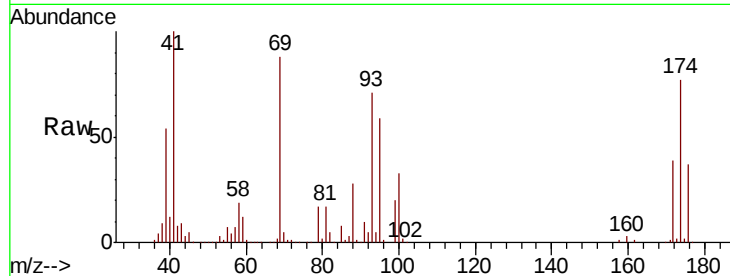
#49
1,4-Dioxane
Concen: 1226.26 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	99541
Ion Ratio	Lower	Upper	
88	100		
43	32.4	26.9	40.3
58	68.4	57.3	85.9

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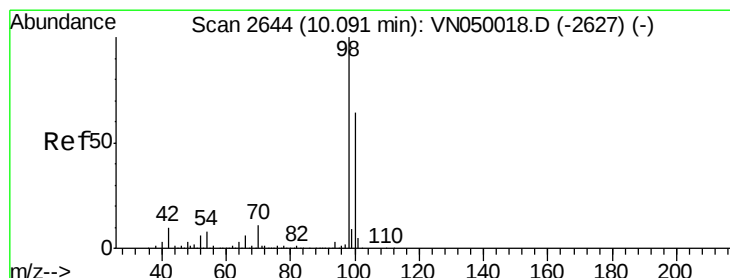
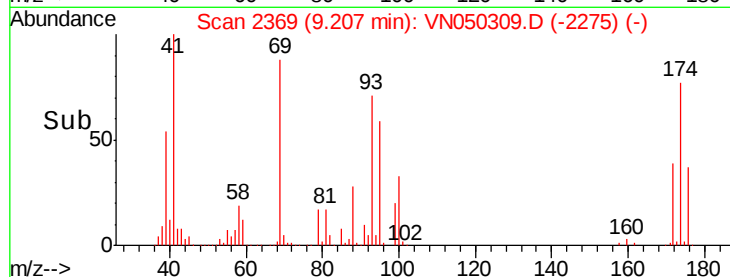
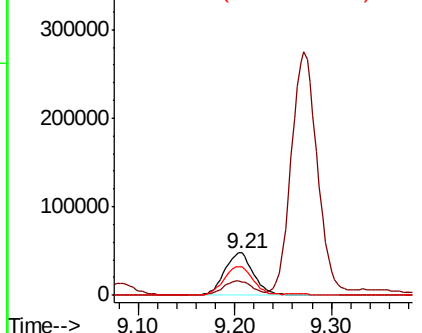
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VN050018.D (-2353) (-)

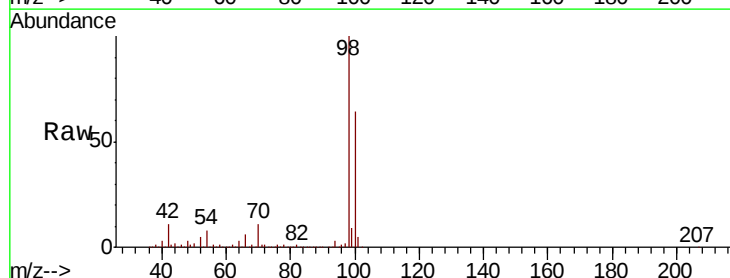
Ion 43.00 (42.70 to 43.70): VN050018.D (-2353) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2353) (-)



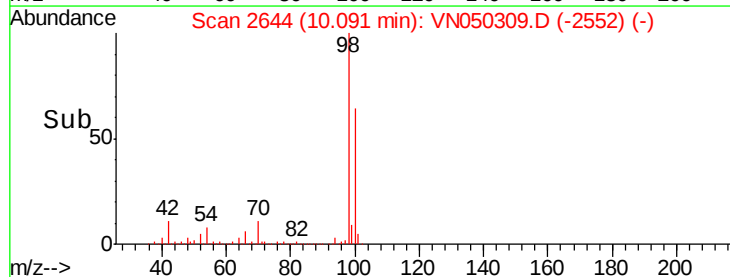
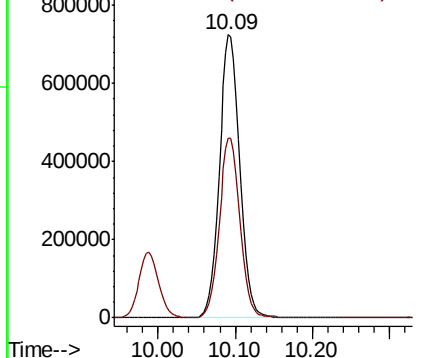
#50
Toluene-d8
Concen: 50.43 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

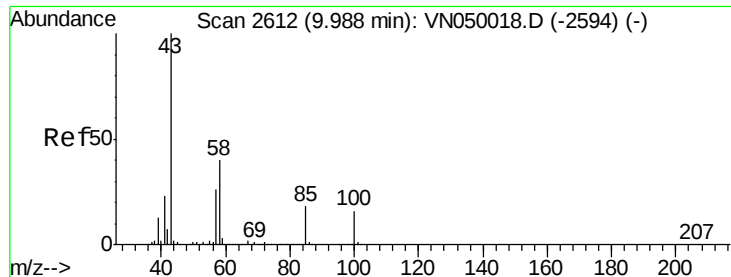
Tgt Ion	98	Resp	1334648
Ion Ratio	Lower	Upper	
98	100		
100	64.2	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 292.51 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1991593

Ion Ratio Lower Upper

43 100

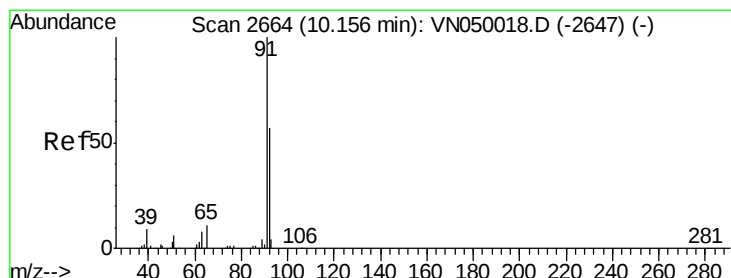
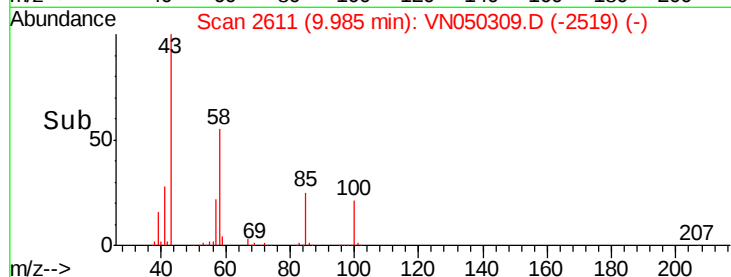
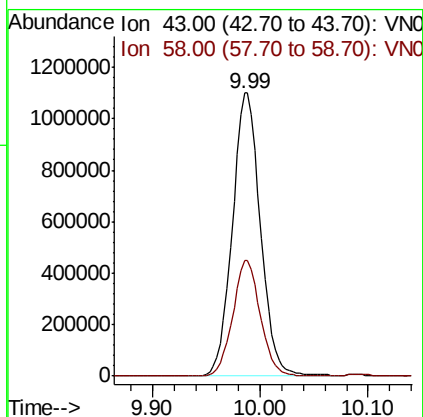
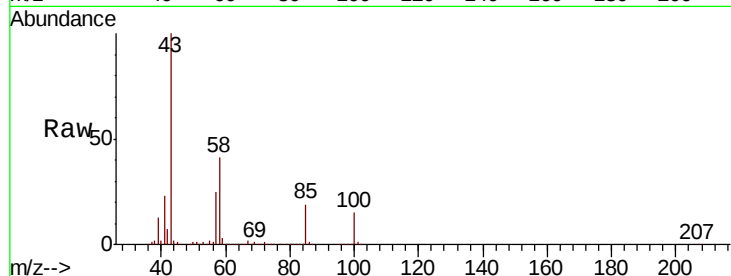
58 40.2 31.9 47.9

Manual Integrations

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#52

Toluene

Concen: 52.00 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050309.D

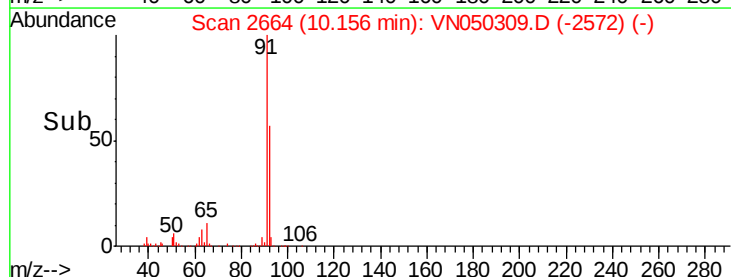
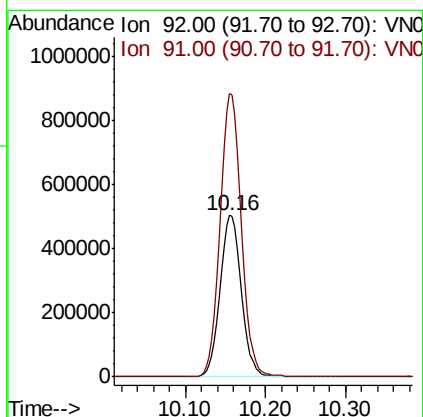
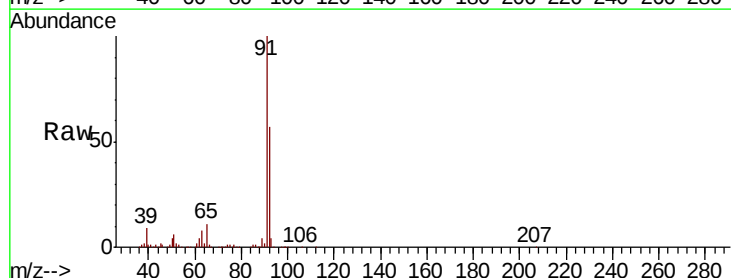
Acq: 3 Aug 2018 13:27

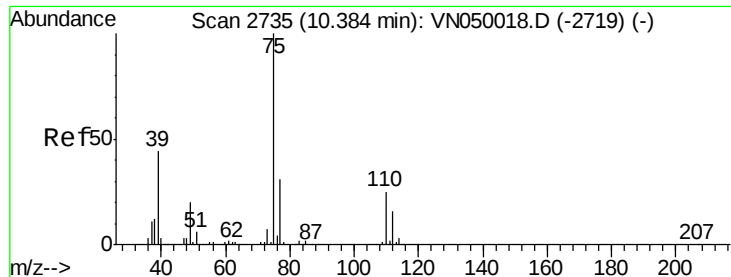
Tgt Ion: 92 Resp: 927839

Ion Ratio Lower Upper

92 100

91 175.5 140.3 210.5





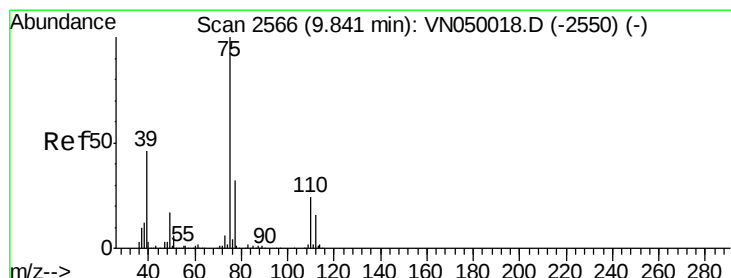
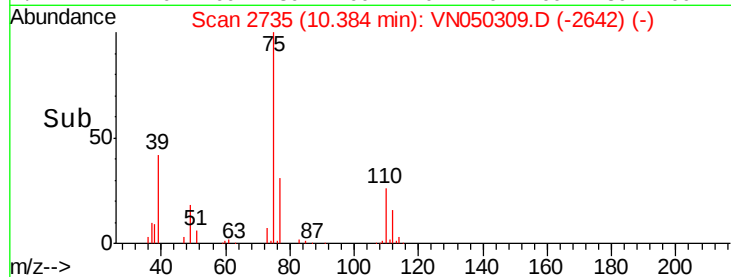
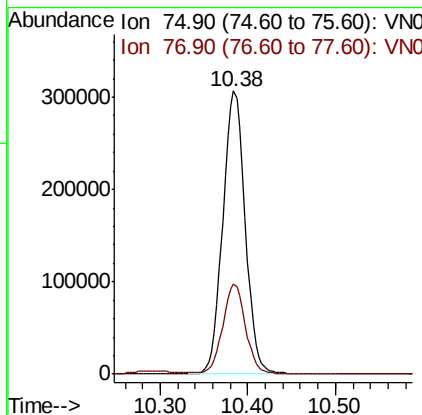
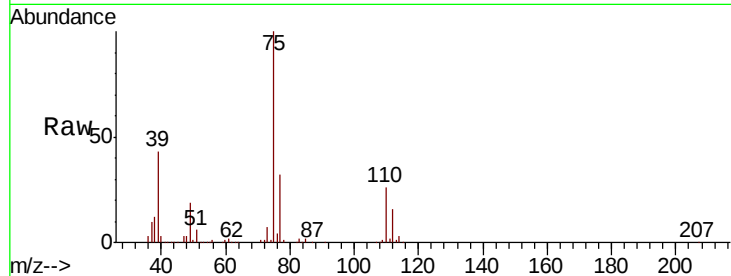
#53
 t-1,3-Dichloropropene
 Concen: 55.18 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

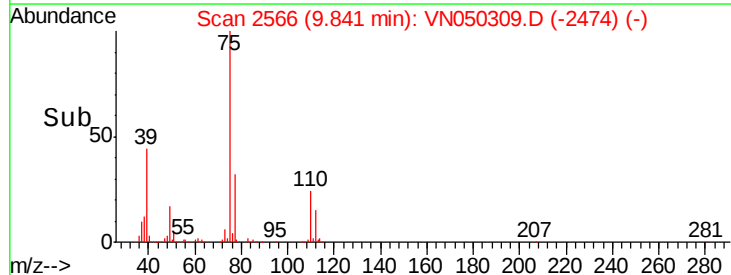
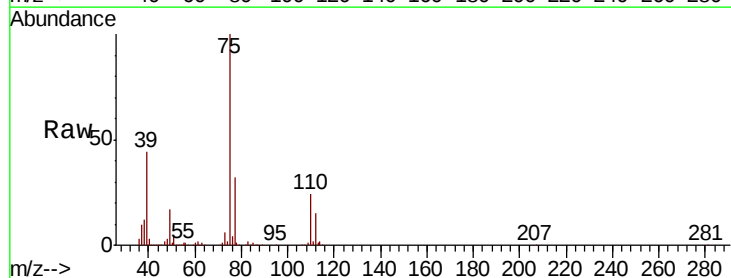
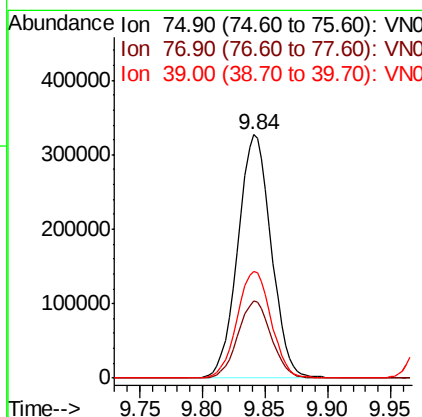
Manual Integrations
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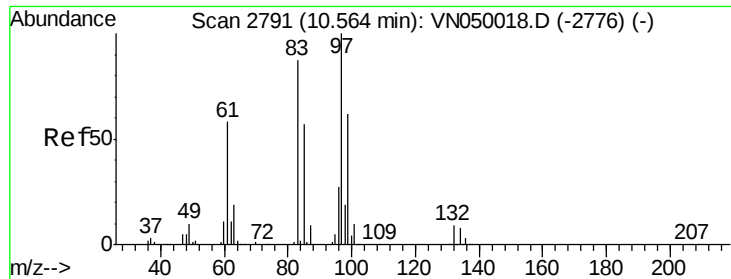
MMDadoda
 8/6/2018 11:38:18 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.39 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	44.0	36.6	55.0





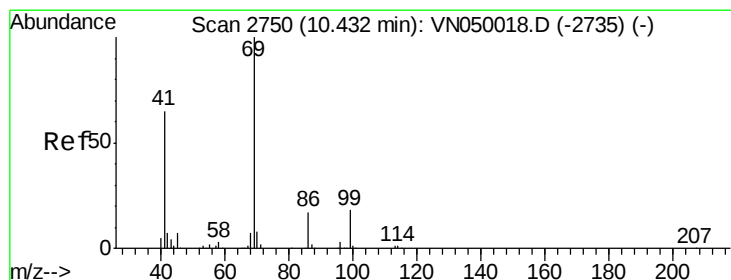
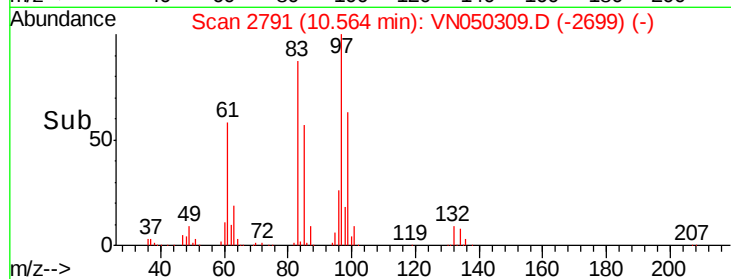
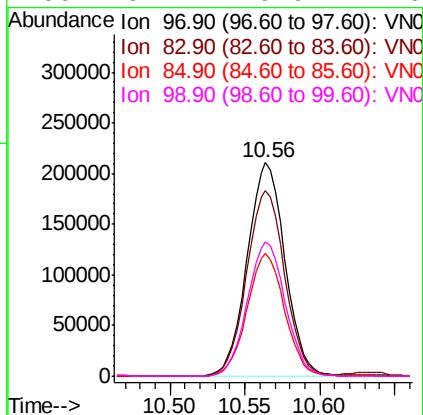
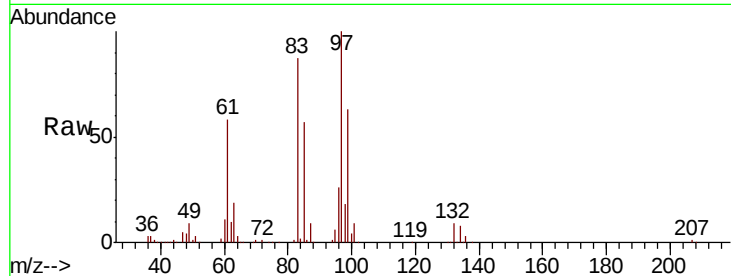
#55
 1,1,2-Trichloroethane
 Concen: 52.36 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		370581		
83	87.0	69.2	103.8		
85	57.3	44.0	66.0		
99	62.7	49.9	74.9		

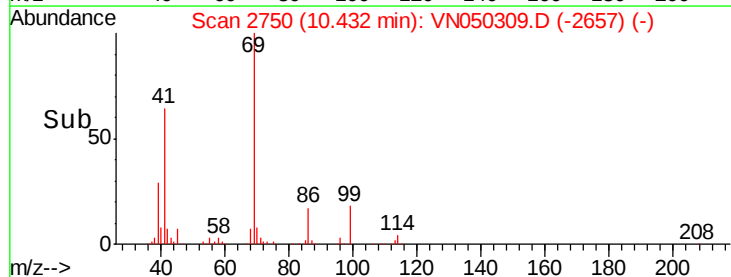
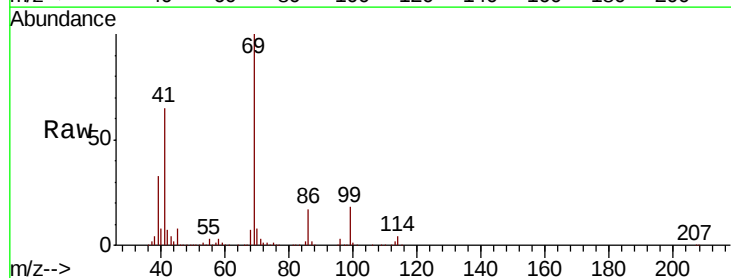
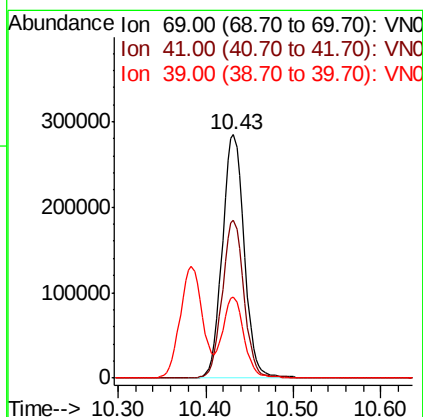
Manual Integrations
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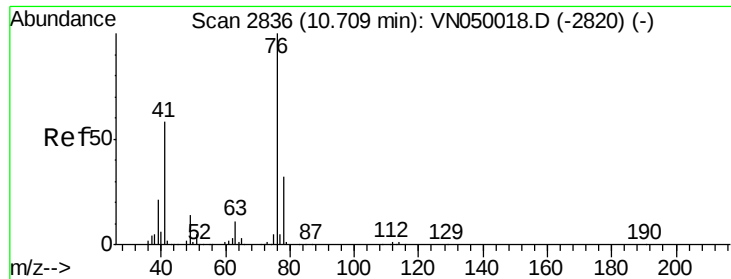
MMDadoda
 8/6/2018 11:38:18 AM



#56
 Ethyl methacrylate
 Concen: 51.63 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		495687		
41	63.5	51.0	76.4		
39	32.3	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 53.49 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 616516

Ion Ratio Lower Upper

76 100

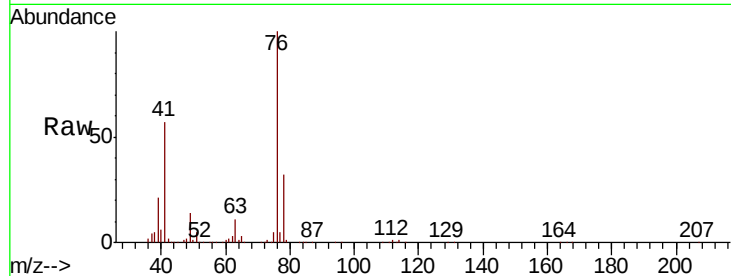
78 31.7 25.7 38.5

Manual Integrations

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MMDadoda

8/6/2018 11:38:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VN050309.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN050309.D (-2743) (-)

10.71

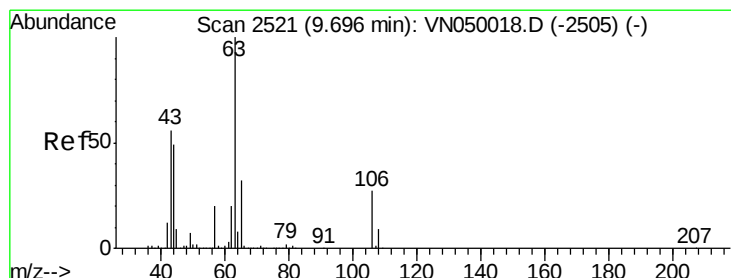
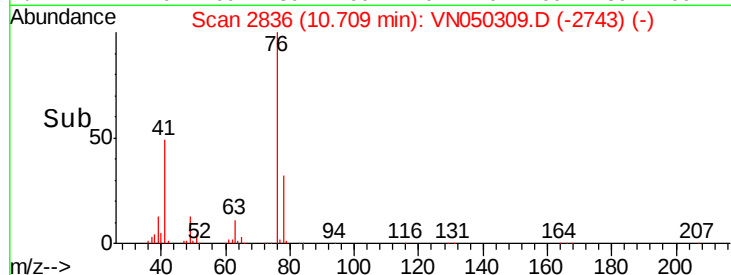
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 231.31 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050309.D

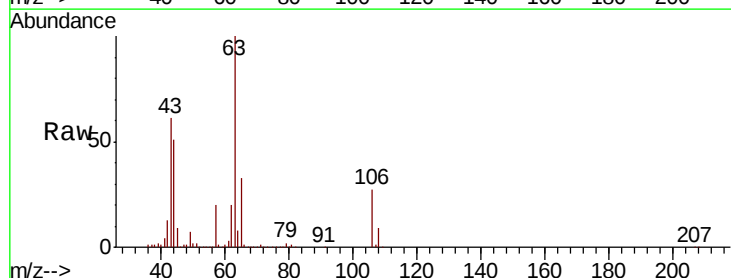
Acq: 3 Aug 2018 13:27

Tgt Ion: 63 Resp: 1033135

Ion Ratio Lower Upper

63 100

106 26.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN050309.D (-2428) (-)

Ion 105.90 (105.60 to 106.60): VN050309.D (-2428) (-)

9.70

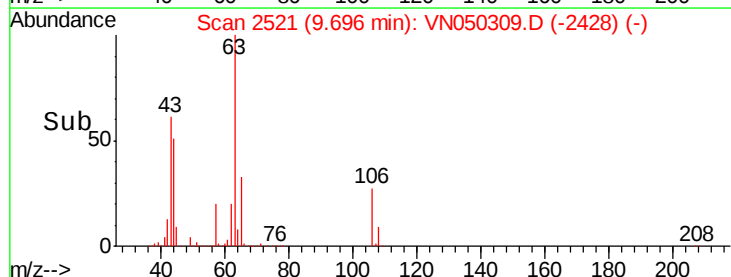
600000

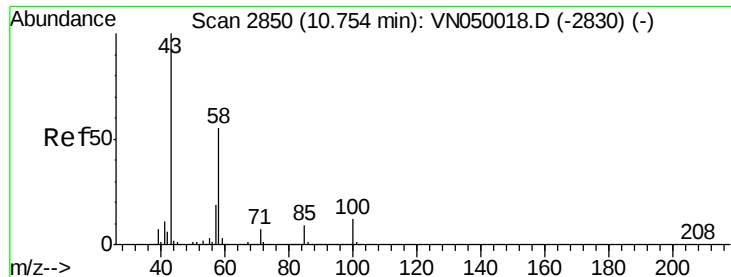
400000

200000

0

Time-->





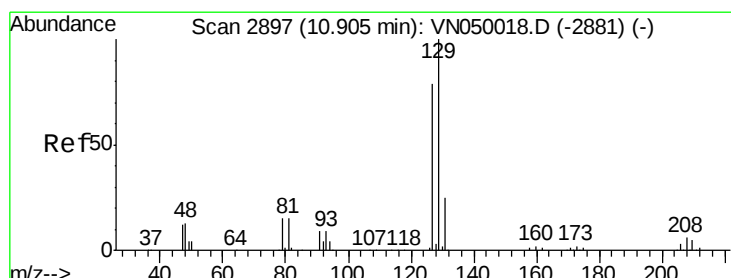
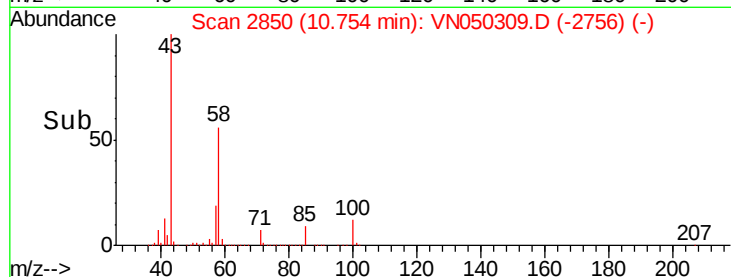
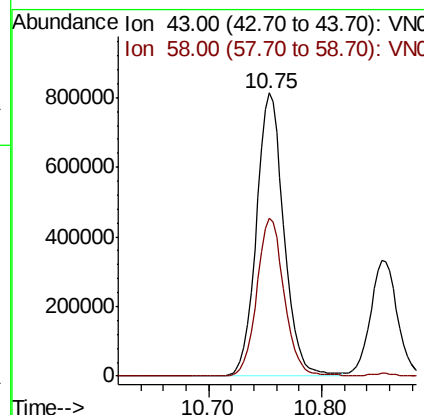
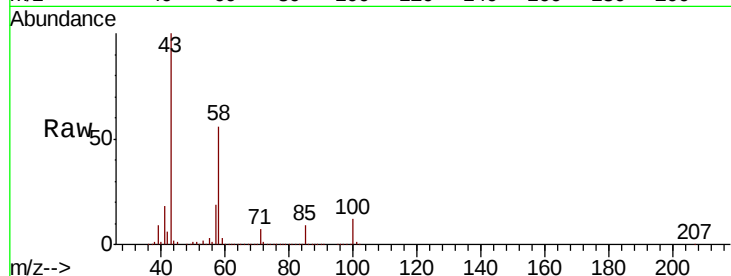
#59
2-Hexanone
Concen: 273.35 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1370058
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7

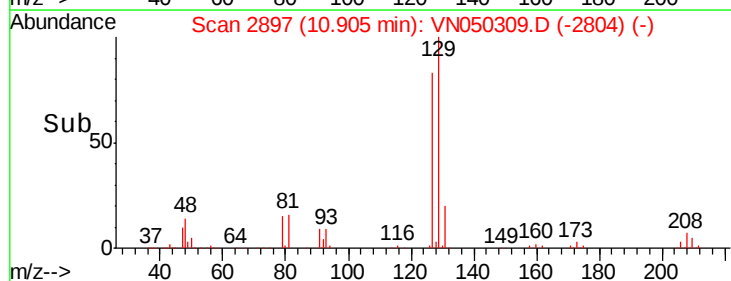
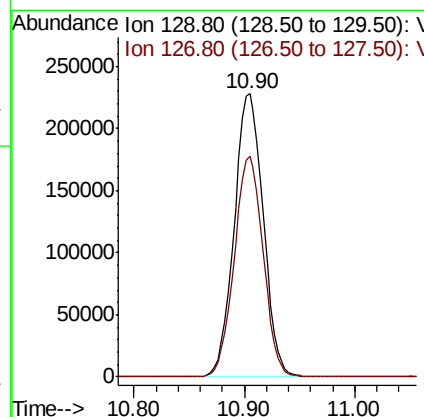
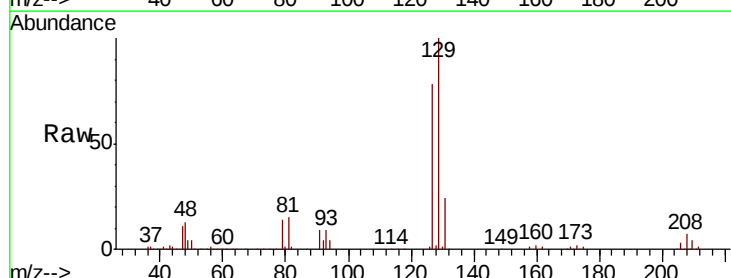
Manual Integrations
APPROVED

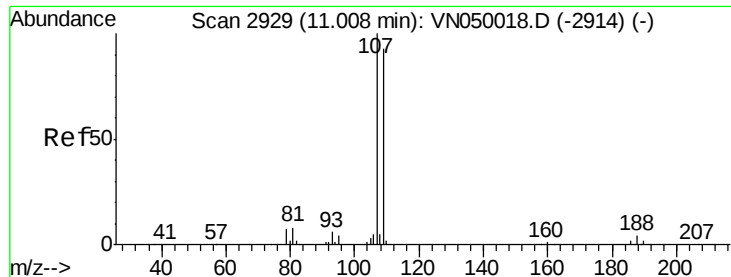
MMDadoda
8/6/2018 11:38:18 AM



#60
Dibromochloromethane
Concen: 53.24 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 129 Resp: 417164
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.12 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 366005

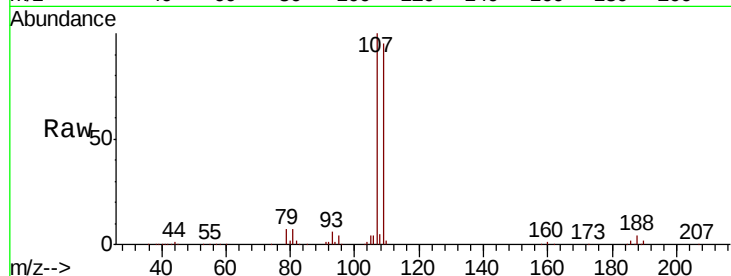
Ion Ratio Lower Upper

107 100

109 95.1 74.6 112.0

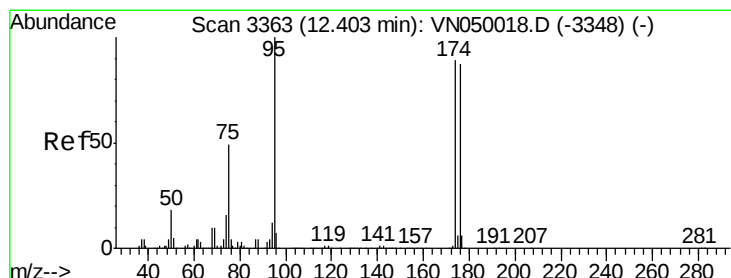
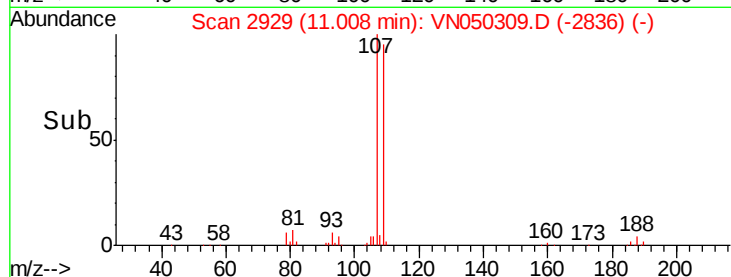
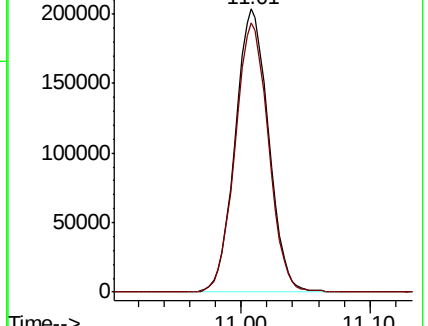
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.25 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

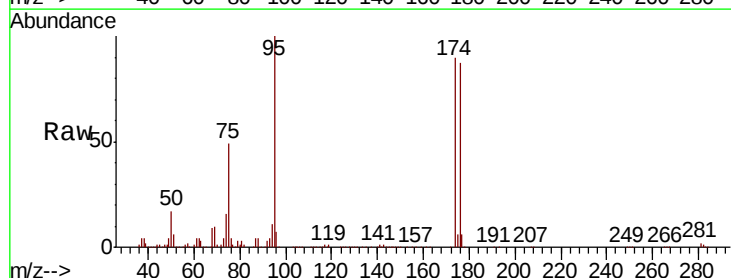
Tgt Ion: 95 Resp: 464046

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

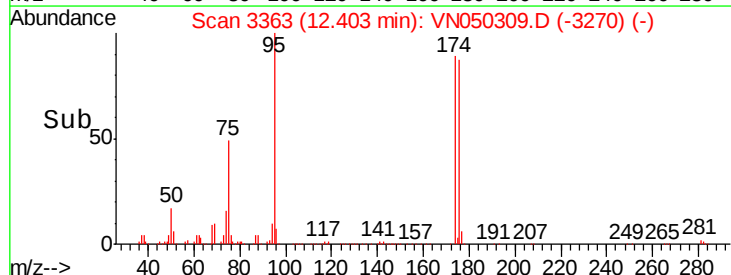
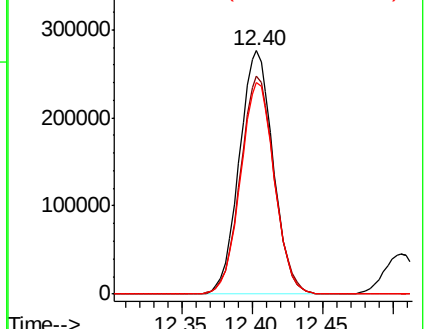
176 87.1 0.0 173.4

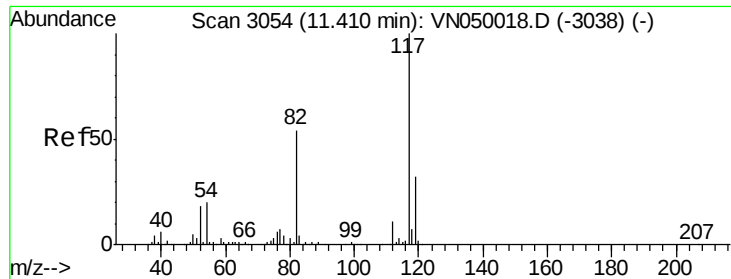


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





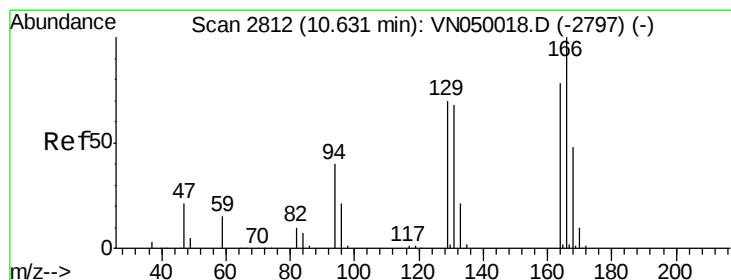
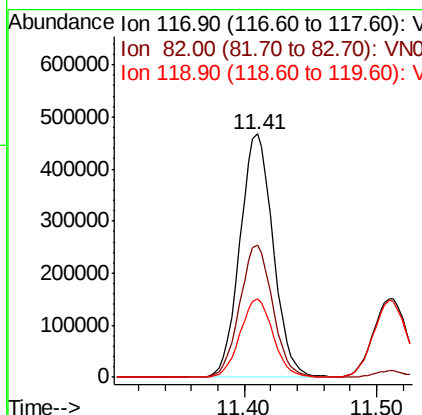
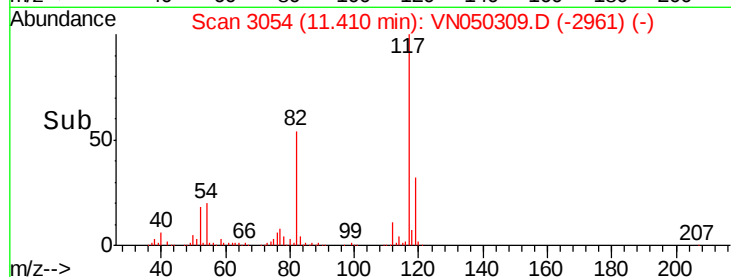
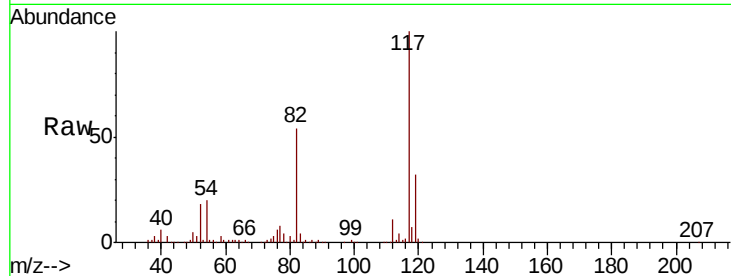
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.7	65.5
119	32.0	26.1	39.1

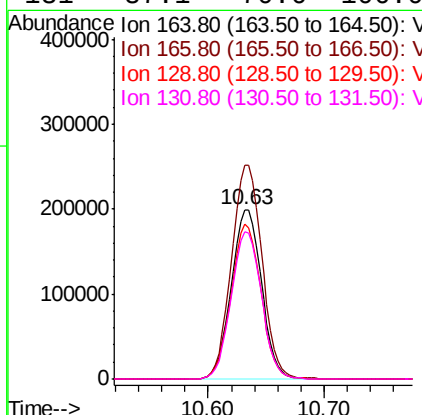
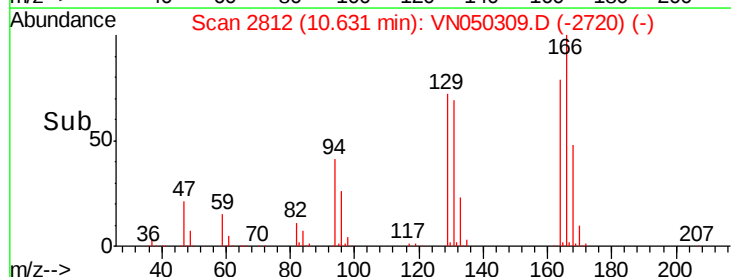
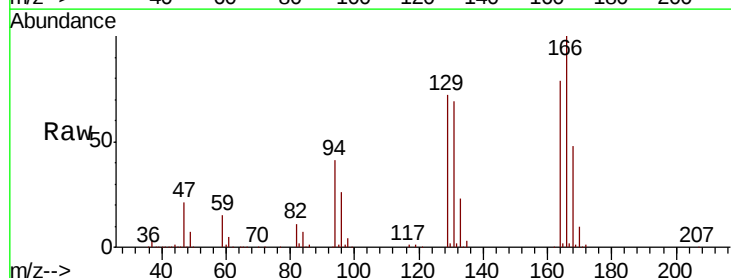
Manual Integrations
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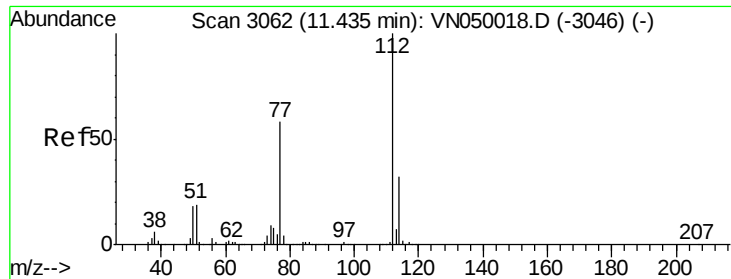
MMDadoda
8/6/2018 11:38:18 AM



#64
Tetrachloroethene
Concen: 46.00 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.1	153.1
129	91.2	73.2	109.8
131	87.1	70.6	106.0





#65

Chlorobenzene

Concen: 49.64 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1018527

Ion Ratio Lower Upper

112 100

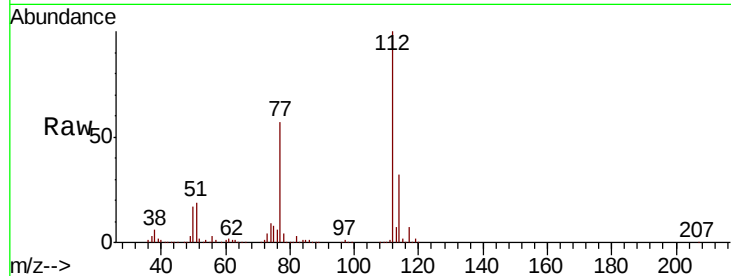
114 31.6 25.6 38.4

Manual Integrations

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MMDadoda

8/6/2018 11:38:18 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

600000

400000

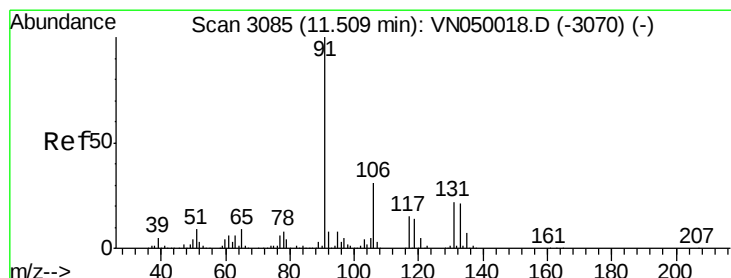
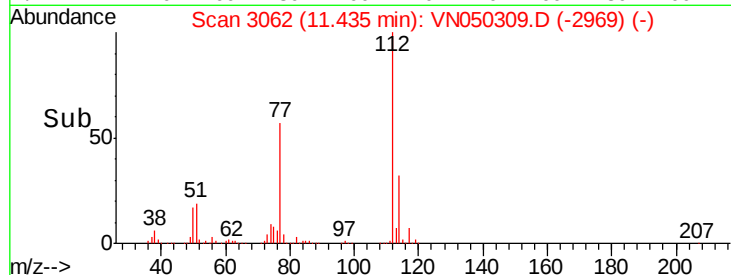
200000

0

11.44

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.33 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

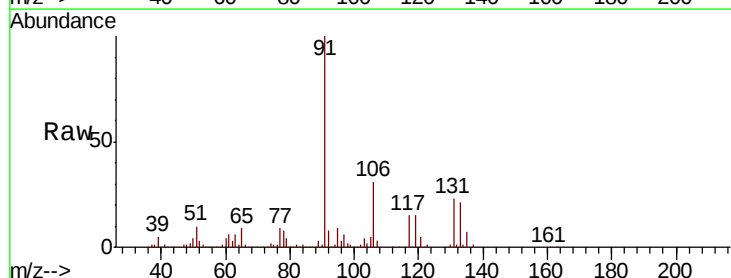
Tgt Ion:131 Resp: 396798

Ion Ratio Lower Upper

131 100

133 94.5 47.3 141.9

119 65.6 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

250000

200000

150000

100000

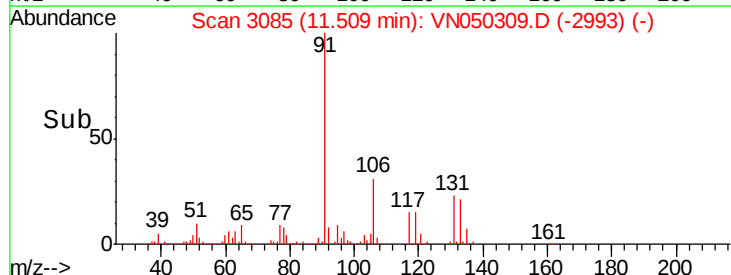
50000

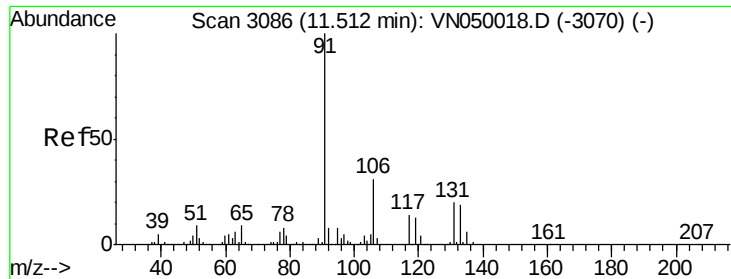
0

11.51

11.45 11.55 11.60

Time-->





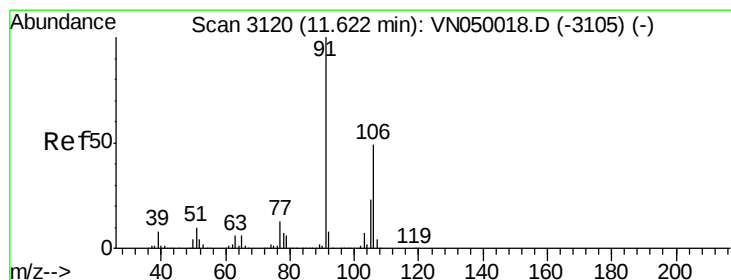
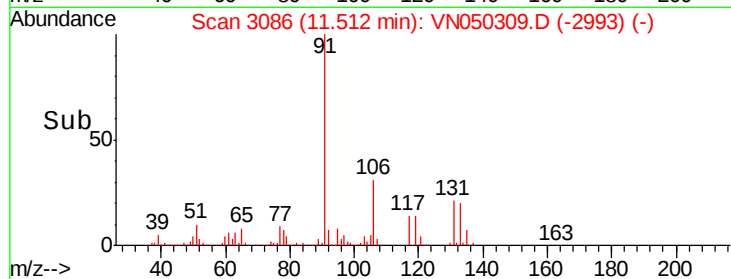
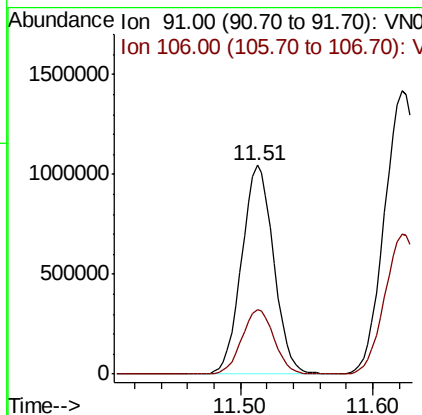
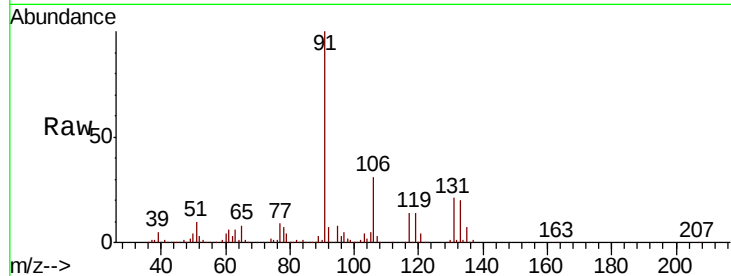
#67
Ethyl Benzene
Concen: 53.06 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1748771
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

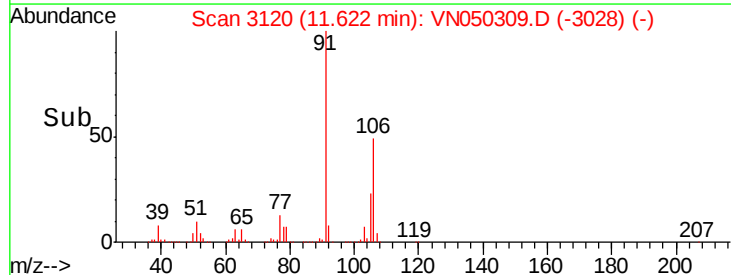
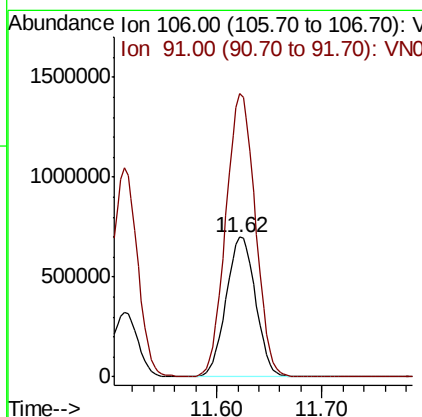
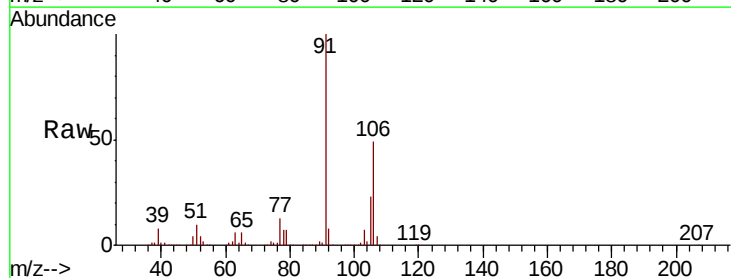
Manual Integrations
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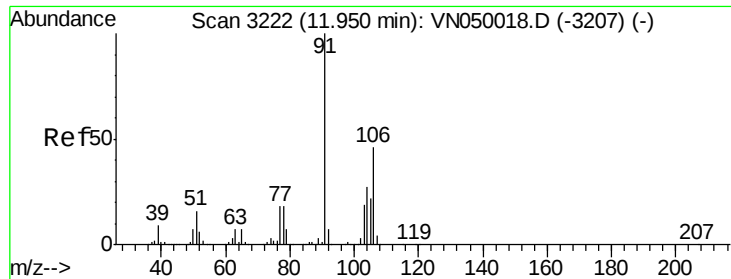
MMDadoda
8/6/2018 11:38:18 AM



#68
m/p-Xylenes
Concen: 108.48 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 106 Resp: 1352334
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.2





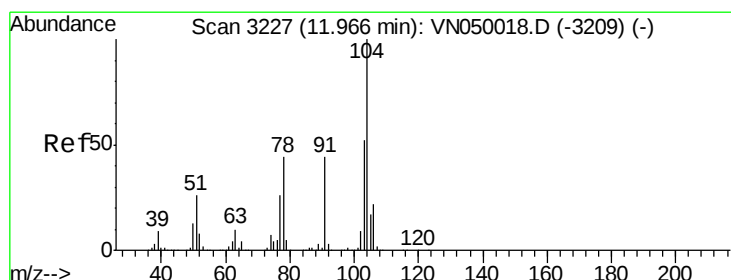
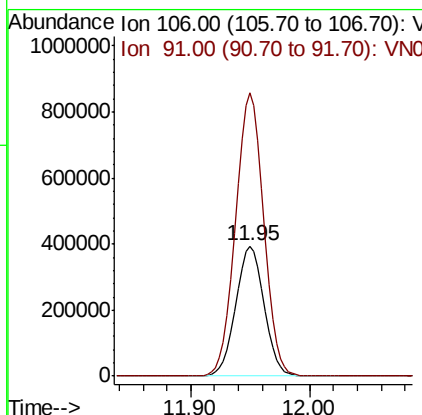
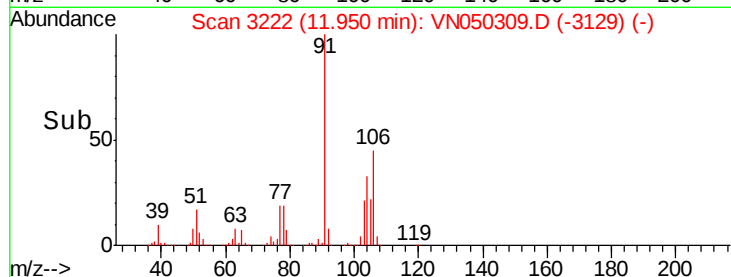
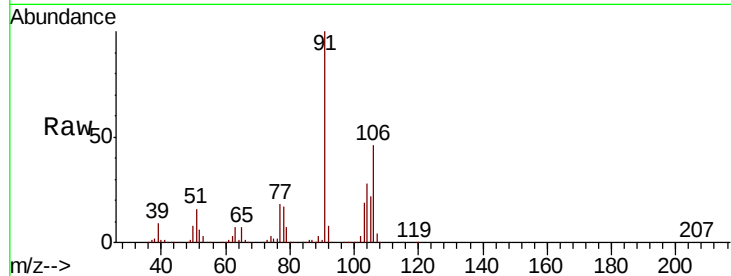
#69
o-Xylene
Concen: 54.60 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.3	107.7	323.1

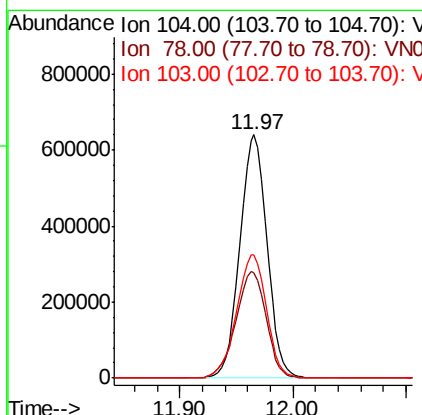
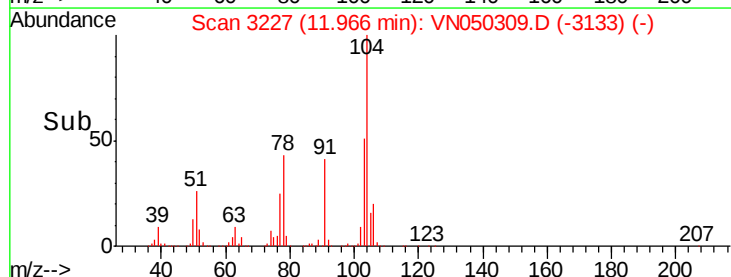
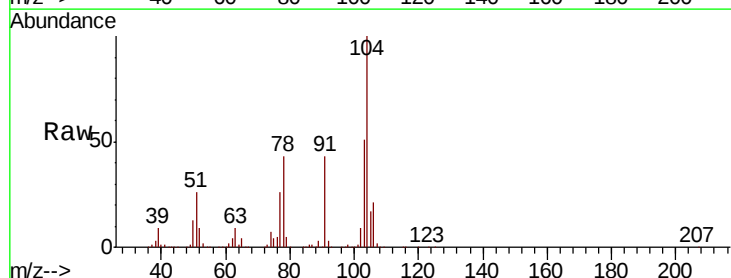
Manual Integrations
APPROVED

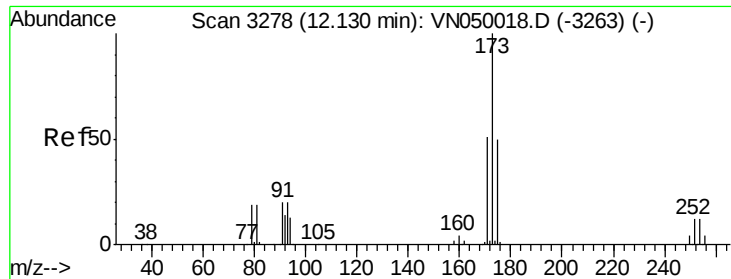
MMDadoda
8/6/2018 11:38:18 AM



#70
Styrene
Concen: 50.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.3	58.9
103	55.6	45.0	67.6





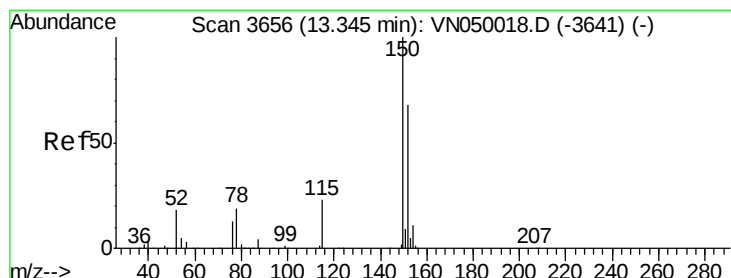
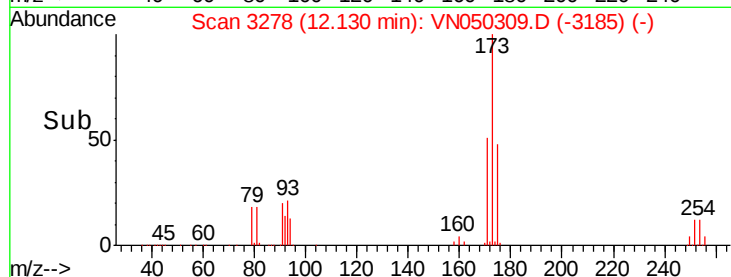
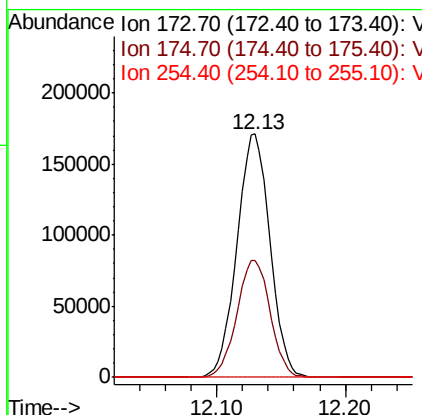
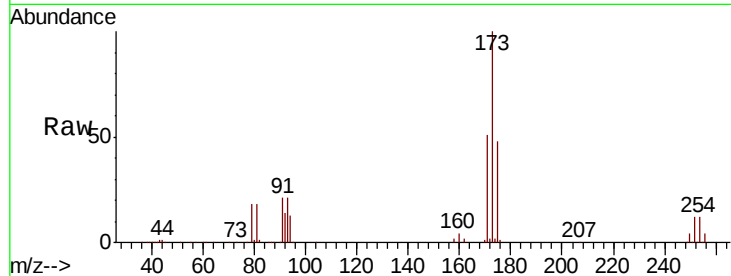
#71
Bromoform
Concen: 53.12 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.1	0.2	0.2

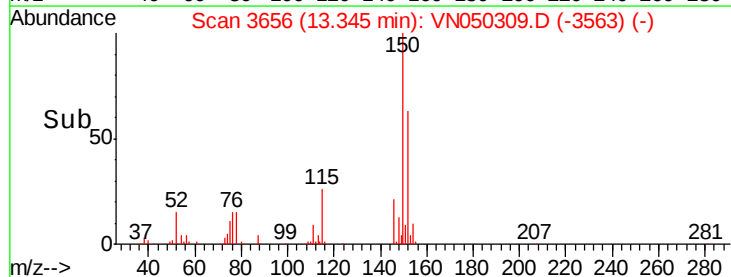
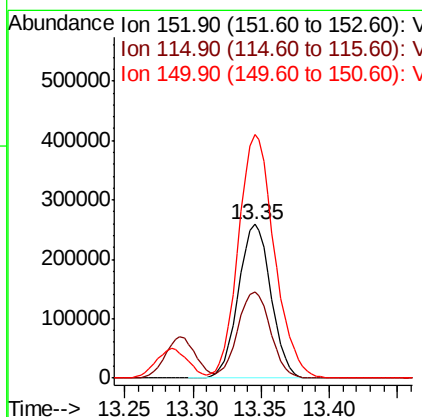
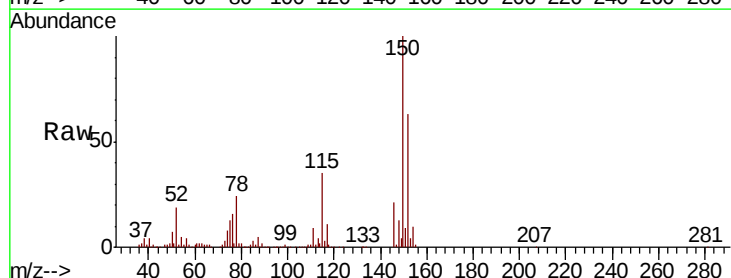
Manual Integrations
APPROVED

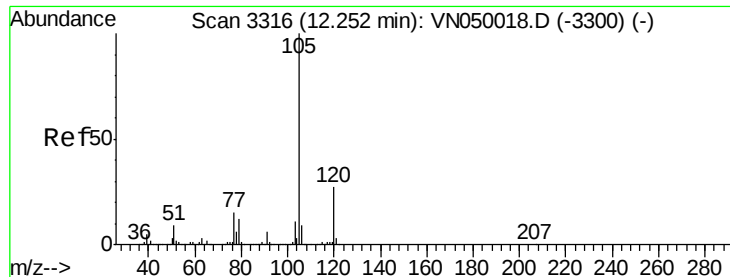
MMDadoda
8/6/2018 11:38:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.3
150	174.8	0.0	348.6





#73

Isopropylbenzene

Concen: 52.52 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1747939

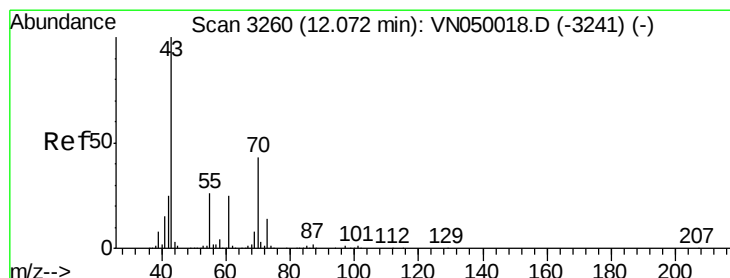
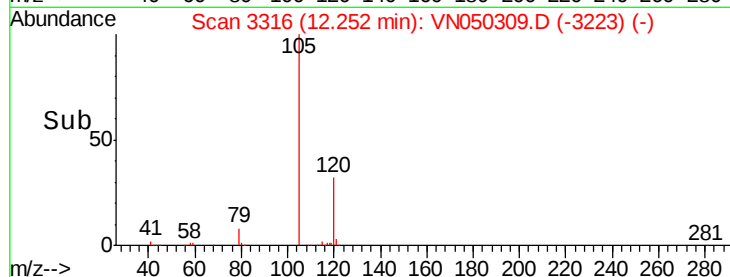
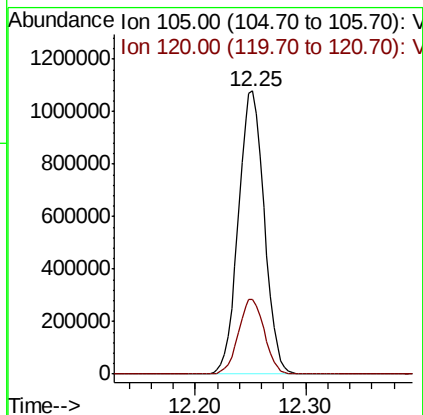
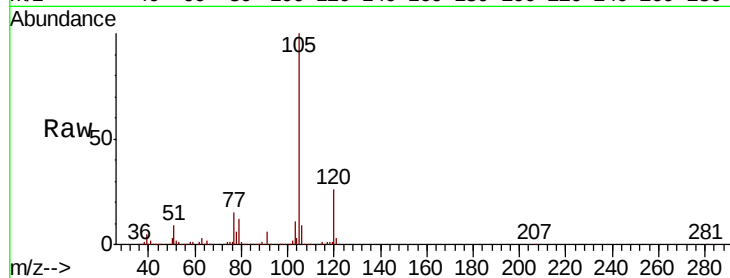
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:18 AM



#74

N-ethyl acetate

Concen: 53.78 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion: 43 Resp: 547050

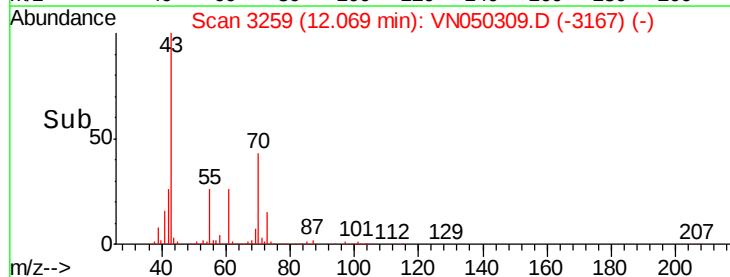
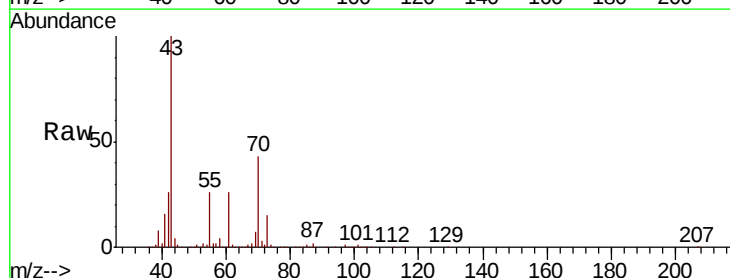
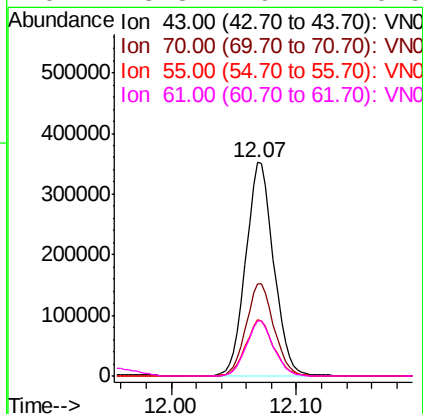
Ion Ratio Lower Upper

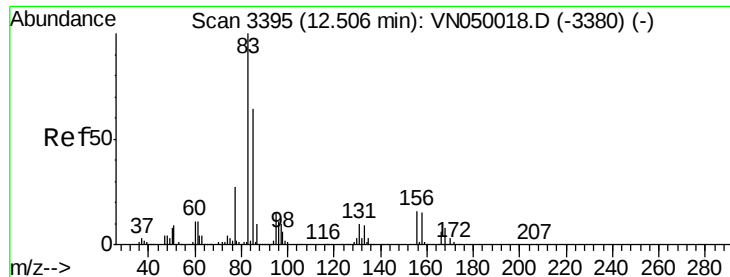
43 100

70 43.5 34.4 51.6

55 26.3 20.8 31.2

61 25.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.62 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

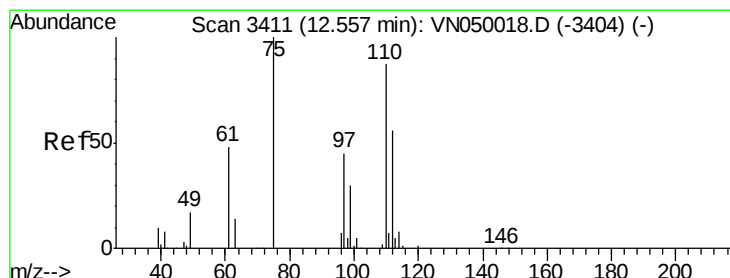
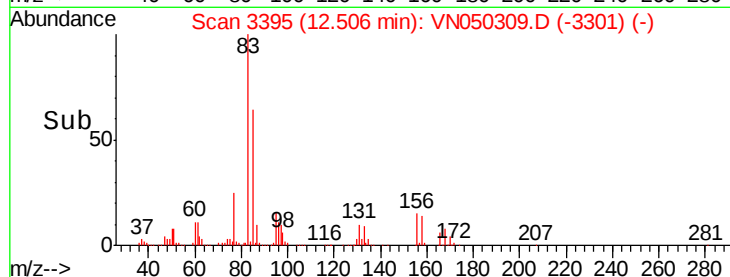
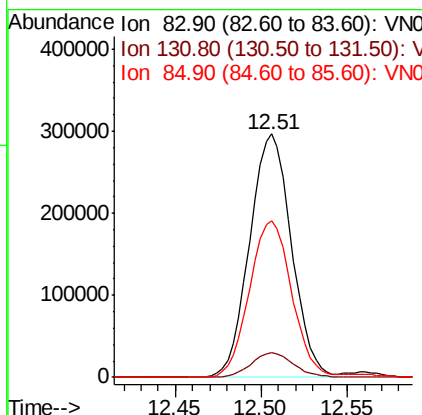
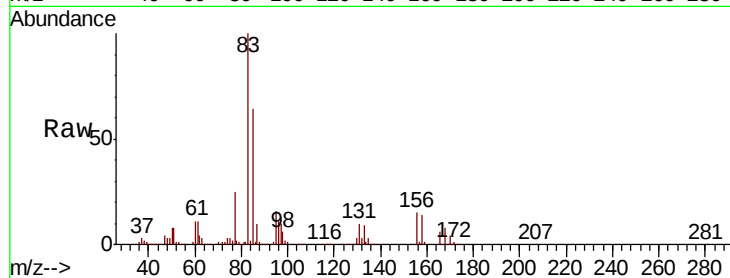
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	501161
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.9	32.3	96.8

Manual Integrations
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8/6/2018 11:38:18 AM



#76

1,2,3-Trichloropropane

Concen: 49.24 ug/l m

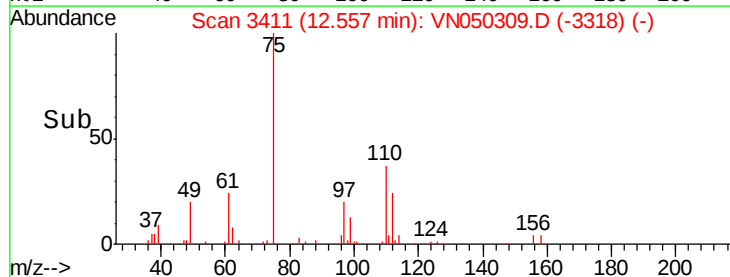
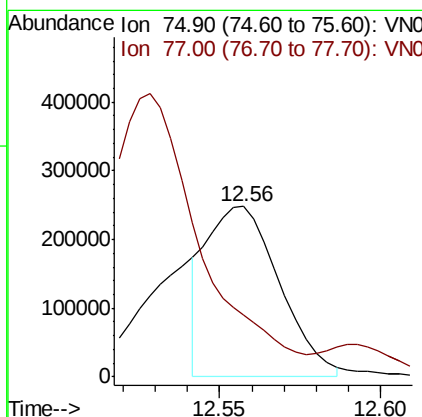
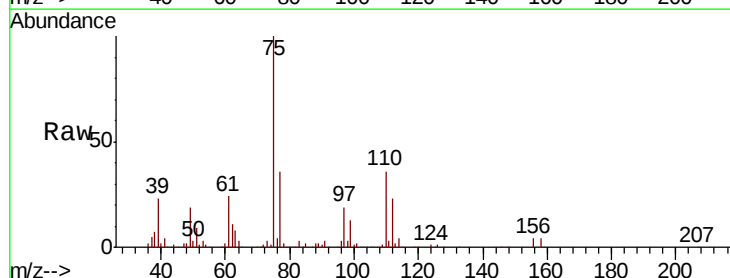
RT: 12.56 min Scan# 3411

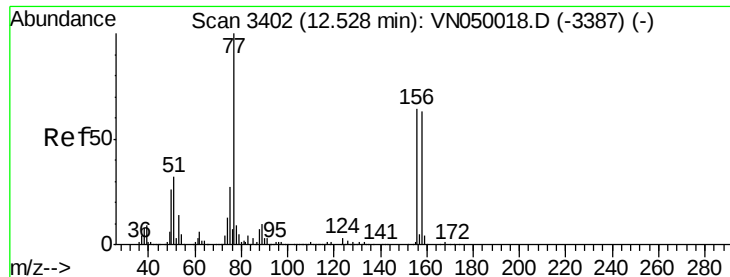
Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion:	75	Resp:	392674
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.66 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 448793

Ion Ratio Lower Upper

156 100

77 188.3 91.7 275.1

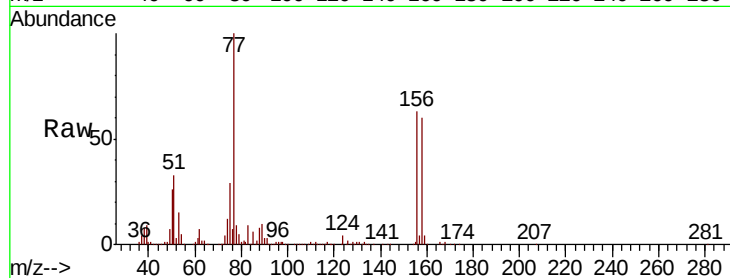
158 97.6 48.9 146.6

Manual Integrations

APPROVED

MMDadoda

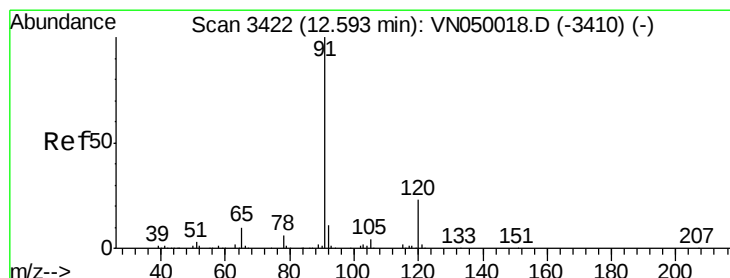
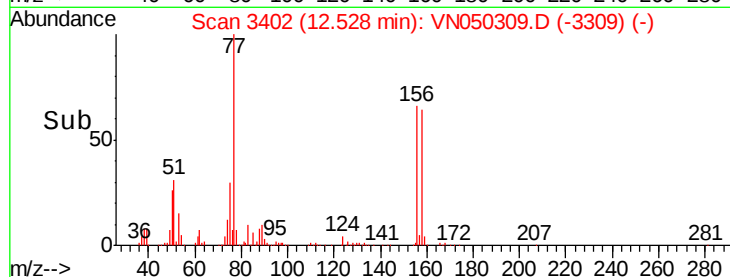
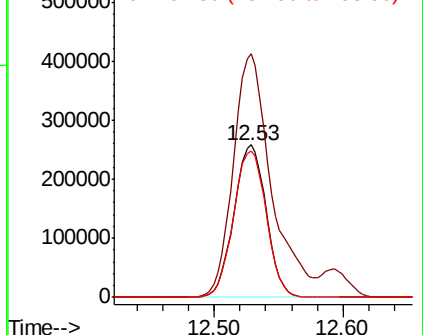
8/6/2018 11:38:18 AM



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: 54.24 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050309.D

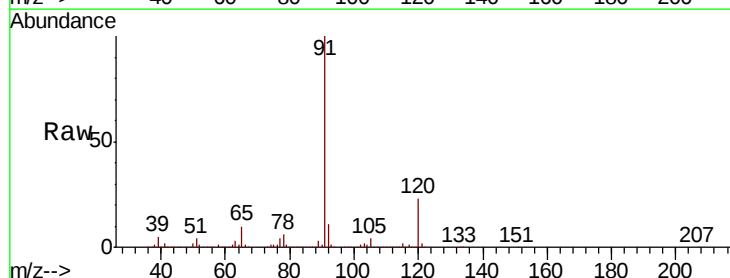
Acq: 3 Aug 2018 13:27

Tgt Ion: 91 Resp: 2017746

Ion Ratio Lower Upper

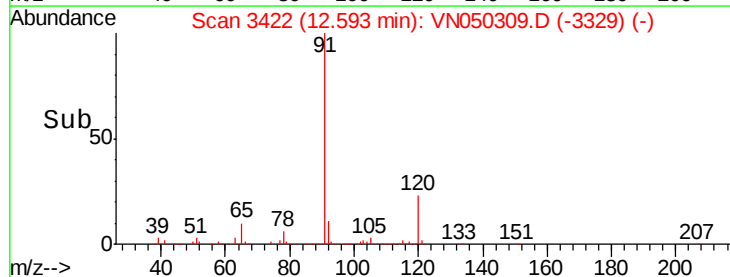
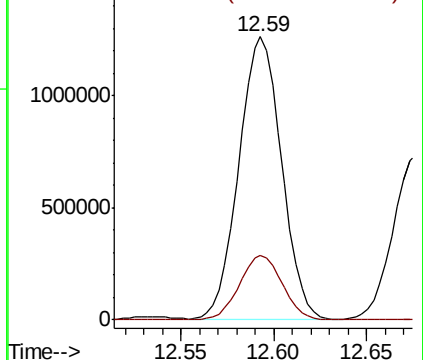
91 100

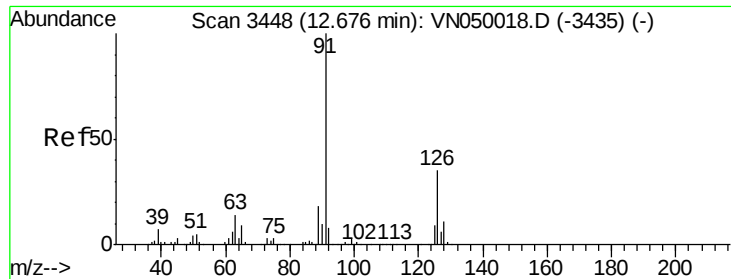
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1198706

Ion Ratio Lower Upper

91 100

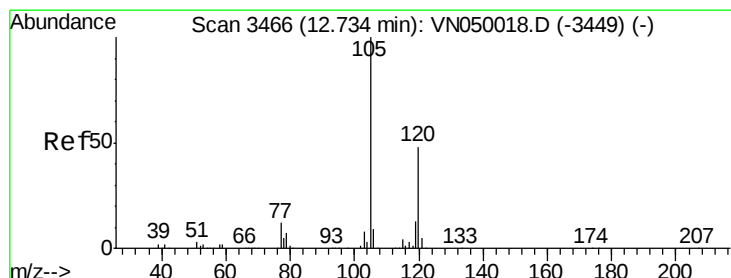
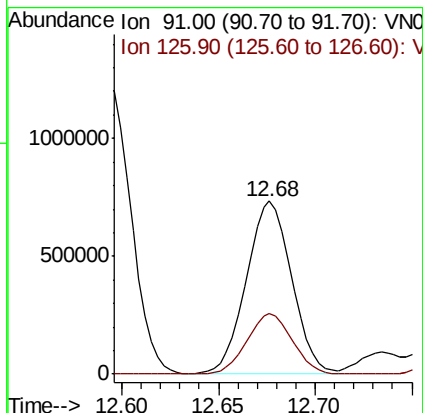
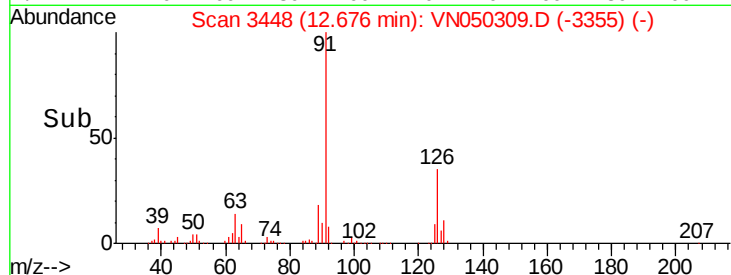
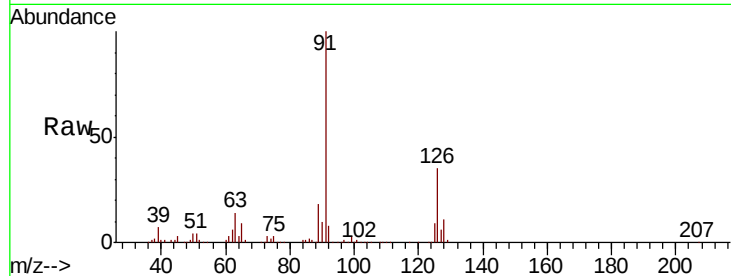
126 34.8 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.04 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050309.D

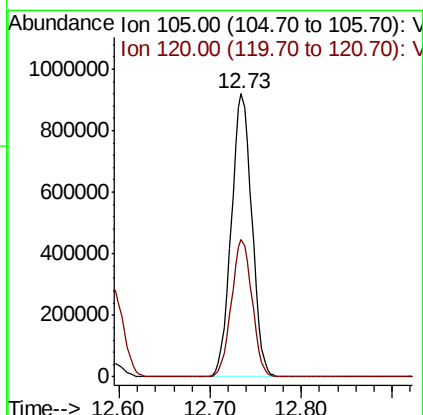
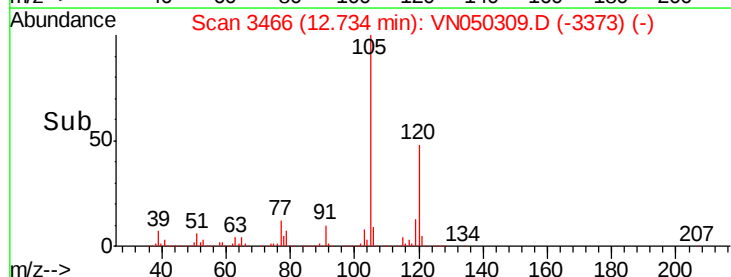
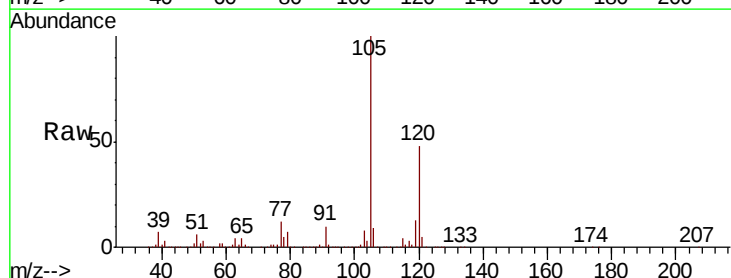
Acq: 3 Aug 2018 13:27

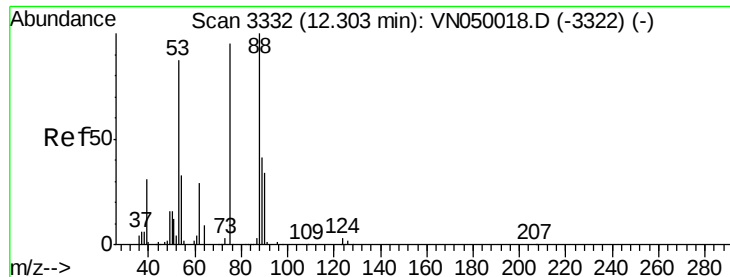
Tgt Ion:105 Resp: 1440831

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.32 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 136560

Ion Ratio Lower Upper

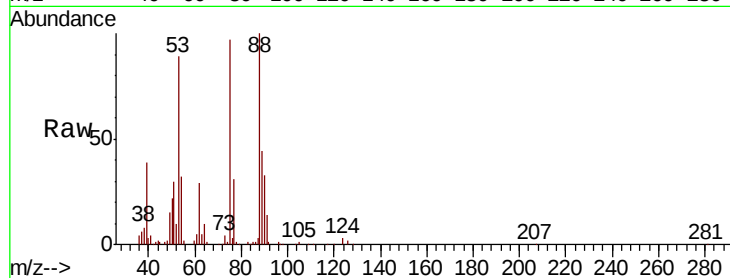
75 100

53 91.1 73.5 110.3

89 45.7 36.0 54.0

Manual Integrations
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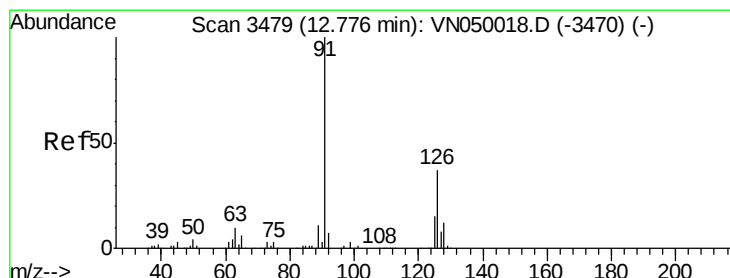
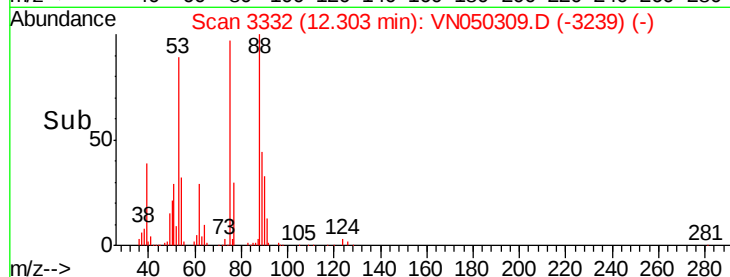
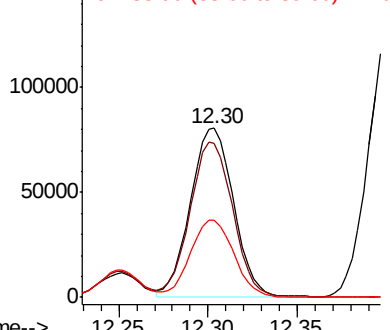


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.83 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050309.D

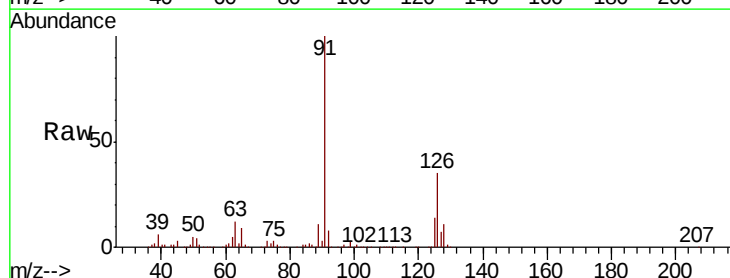
Acq: 3 Aug 2018 13:27

Tgt Ion: 91 Resp: 1206108

Ion Ratio Lower Upper

91 100

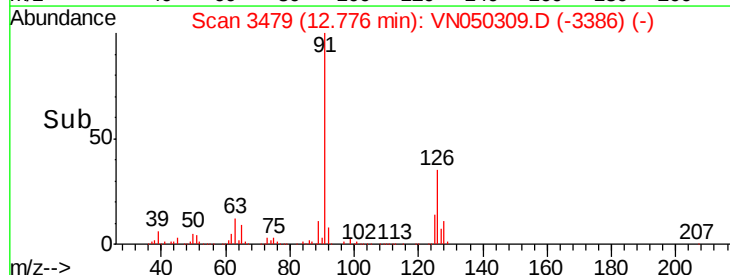
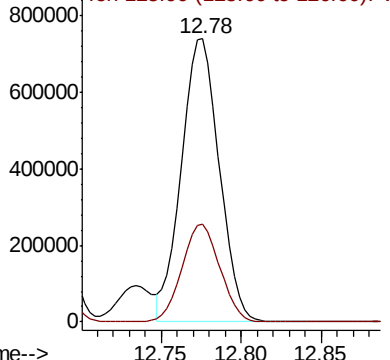
126 34.6 17.0 51.0

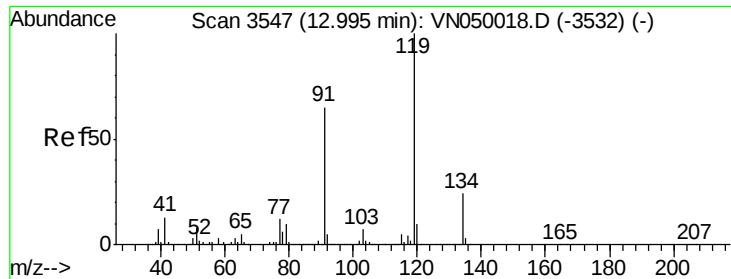


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





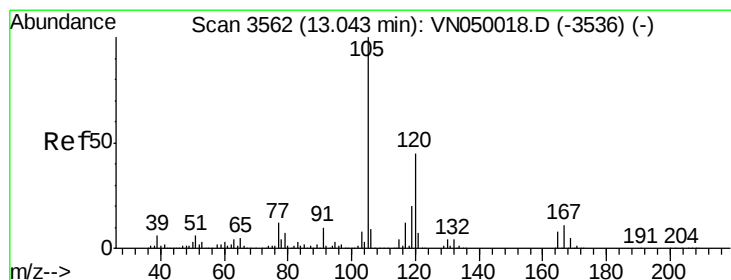
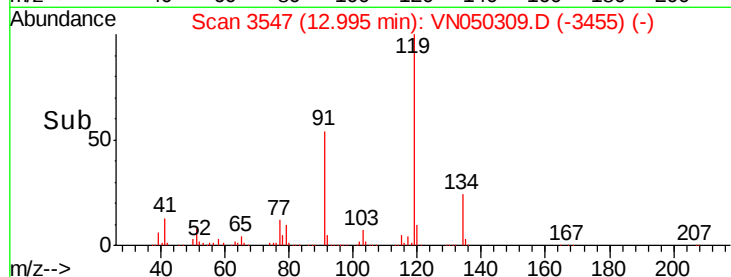
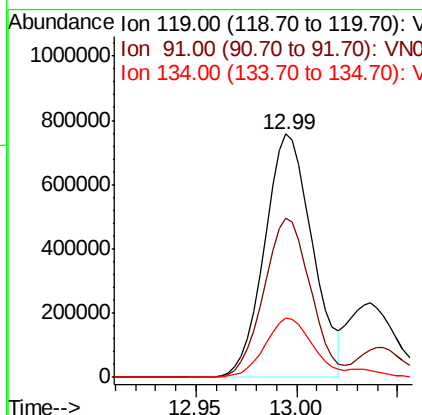
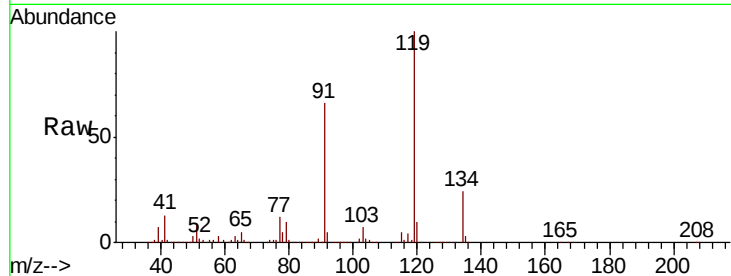
#83
 tert-Butylbenzene
 Concen: 54.51 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1245360
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 26.5 13.2 39.5

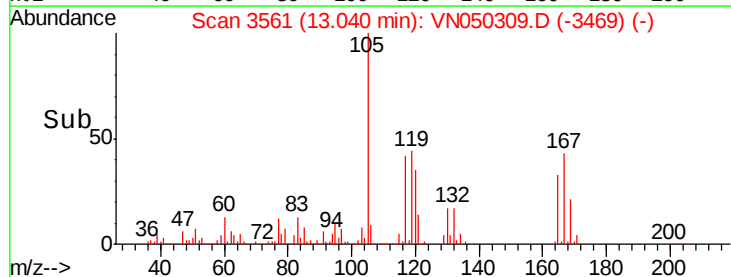
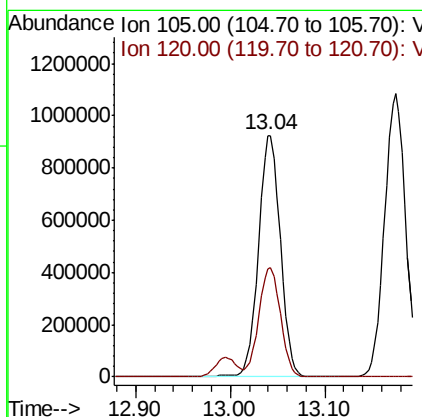
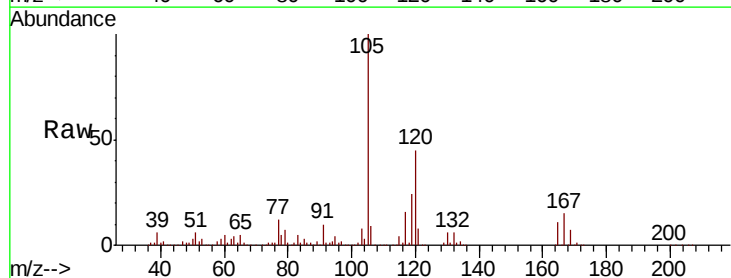
Manual Integrations
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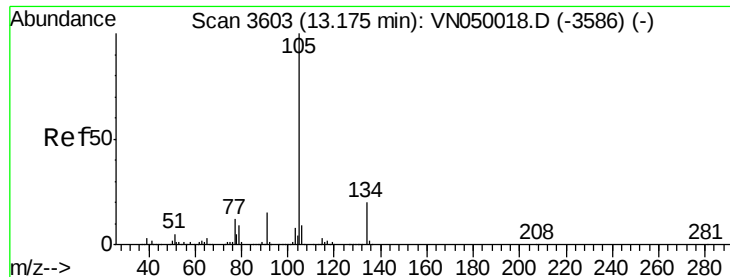
MMDadoda
 8/6/2018 11:38:18 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.08 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion:105 Resp: 1479814
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 54.99 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1678568

Ion Ratio Lower Upper

105 100

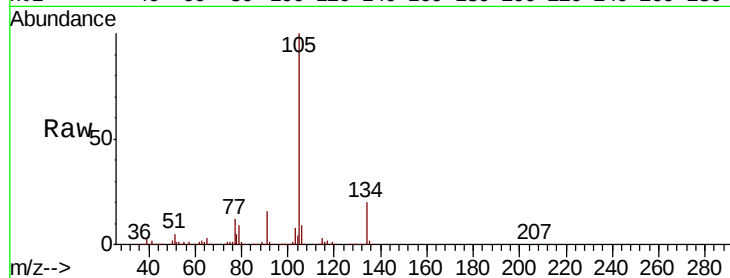
134 20.1 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

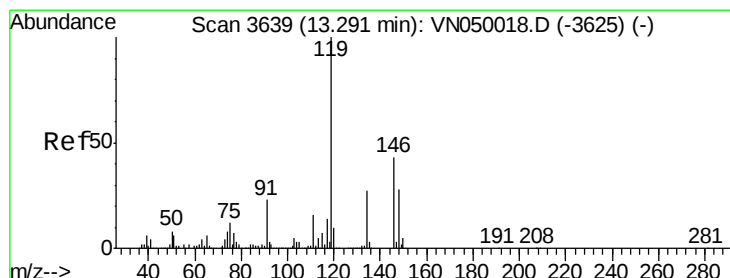
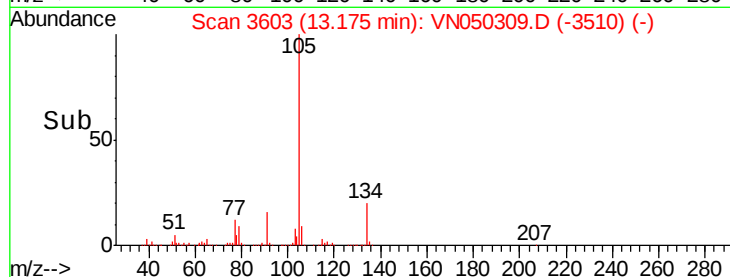
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 56.66 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

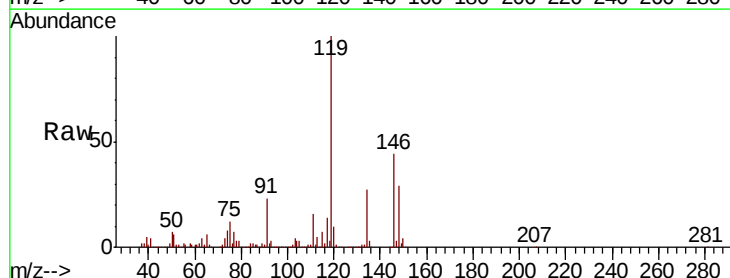
Tgt Ion:119 Resp: 1457248

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.7 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

1200000

1000000

800000

600000

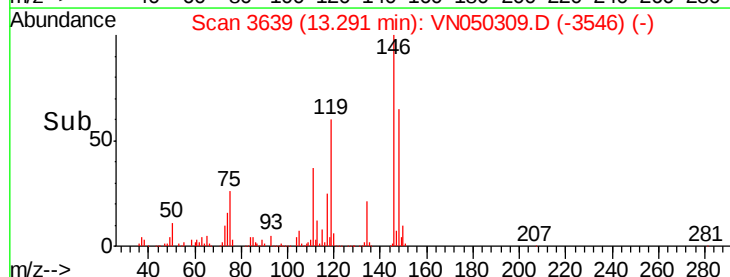
400000

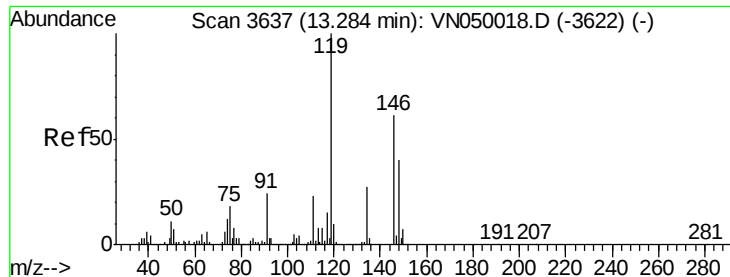
200000

0

13.20 13.25 13.30 13.35

Time-->





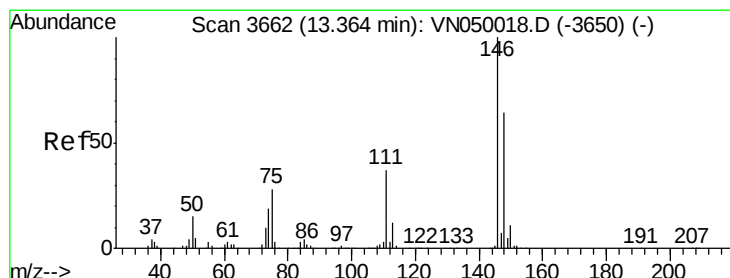
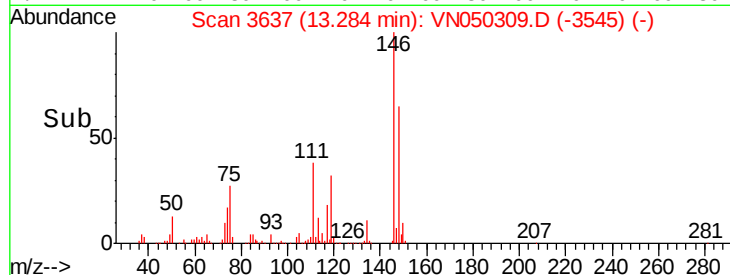
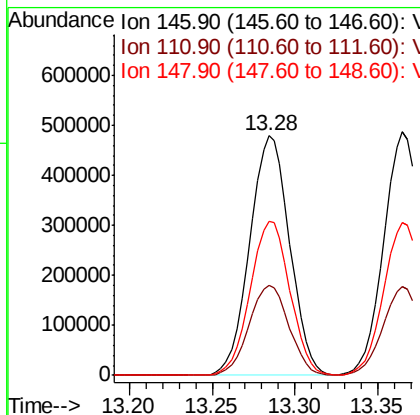
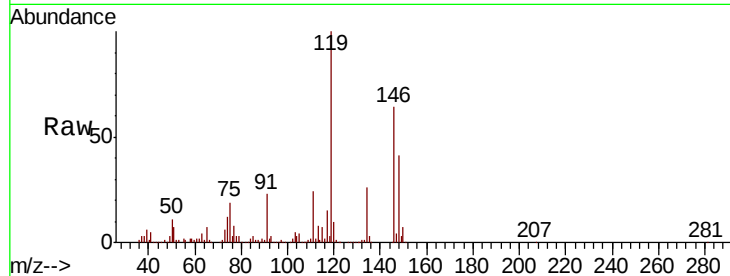
#87
 1,3-Dichlorobenzene
 Concen: 51.14 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.2	31.9	95.9

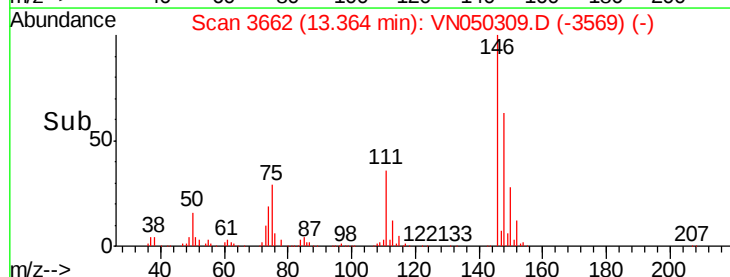
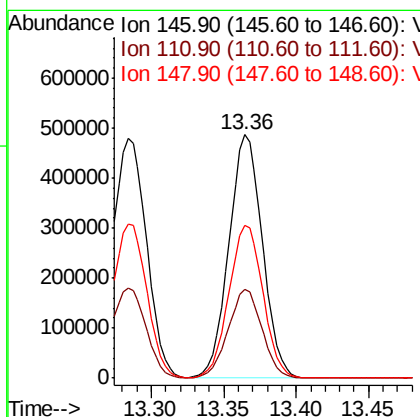
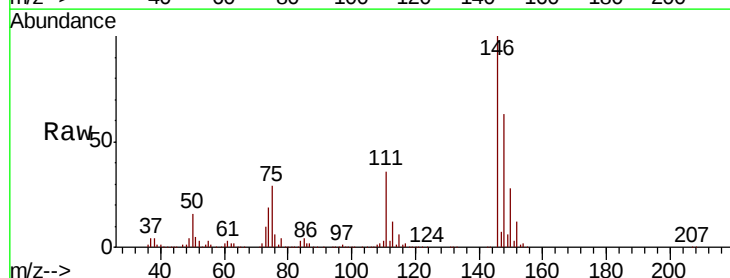
Manual Integrations
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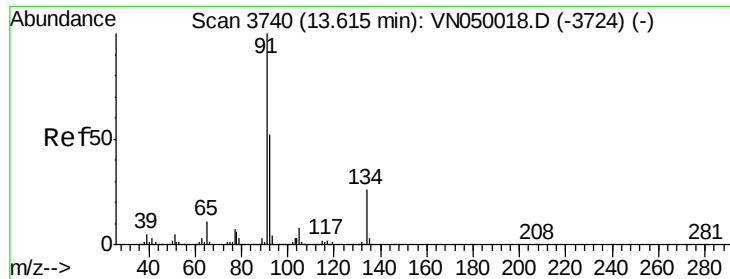
MMDadoda
 8/6/2018 11:38:18 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.30 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	63.7	31.9	95.9





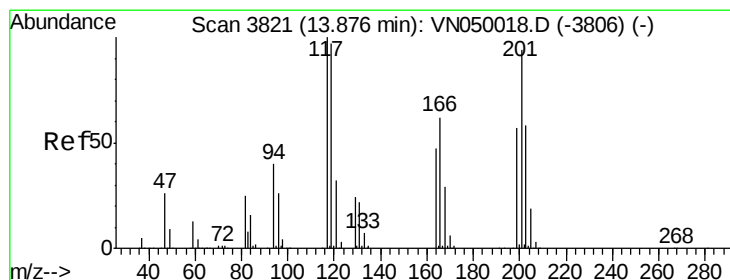
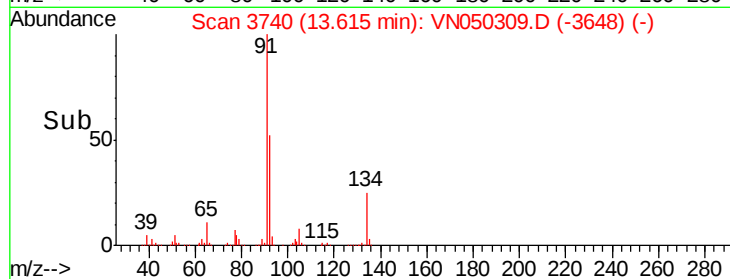
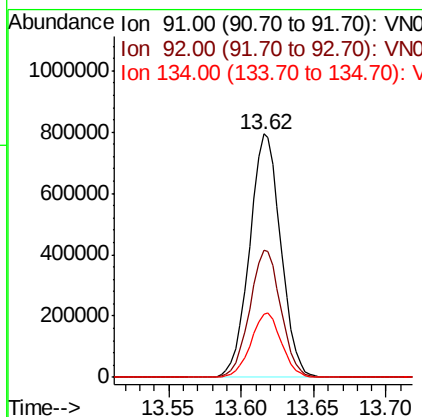
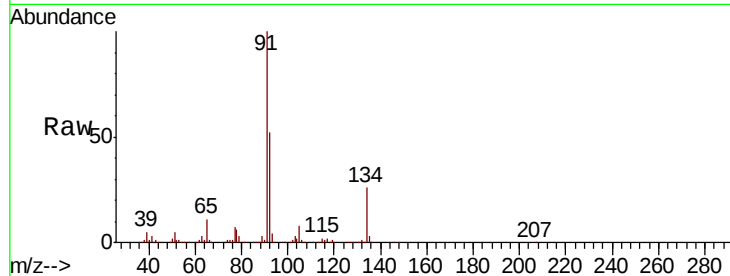
#89
n-Butylbenzene
Concen: 56.32 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.4
134	25.8	12.8	38.4

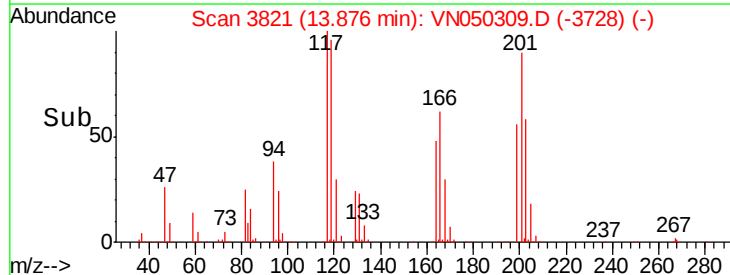
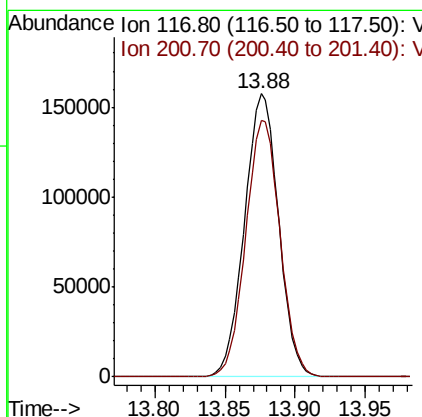
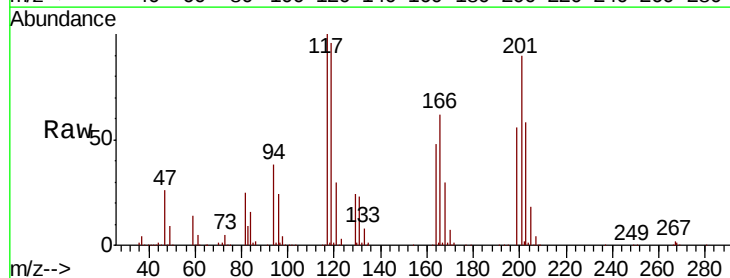
Manual Integrations
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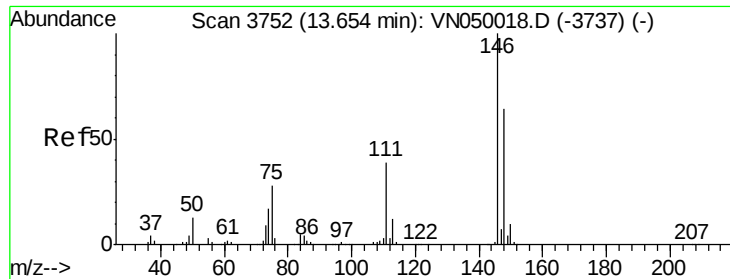
MMDadoda
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#90
Hexachloroethane
Concen: 46.81 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.6	136.8





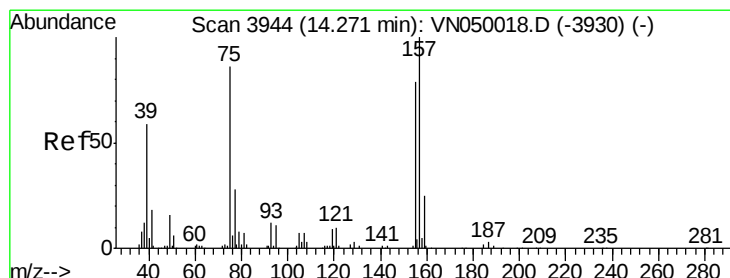
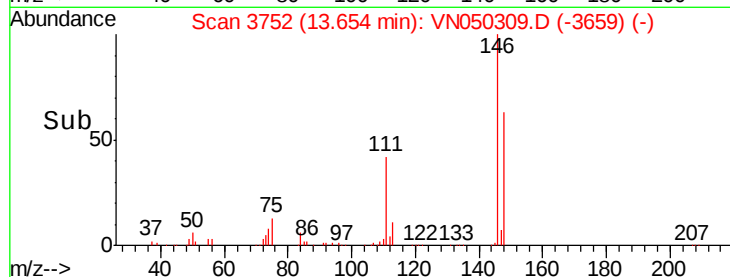
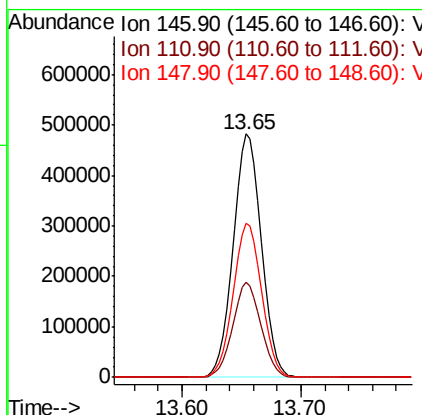
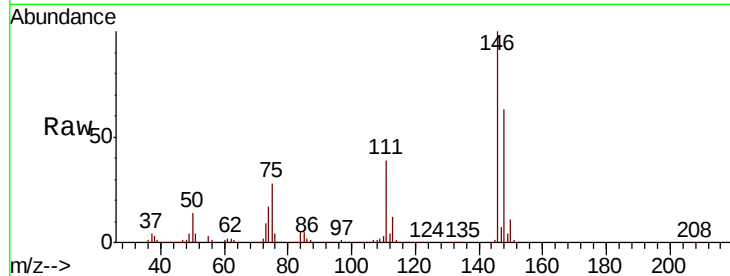
#91
 1,2-Dichlorobenzene
 Concen: 50.58 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.8	32.1	96.3

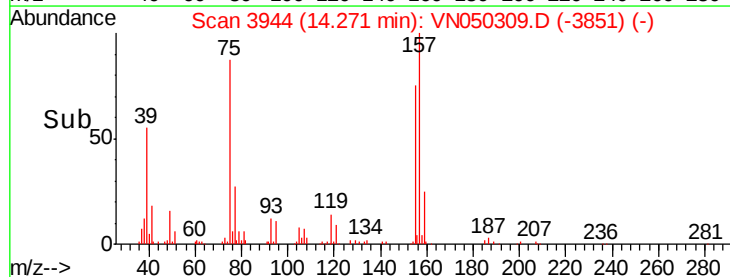
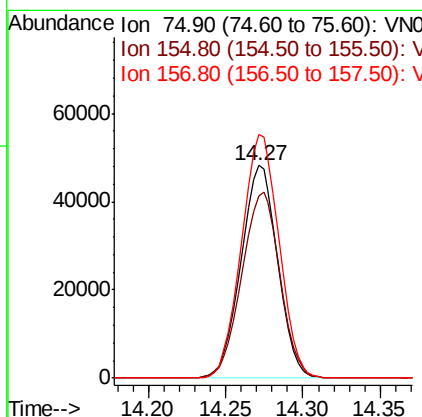
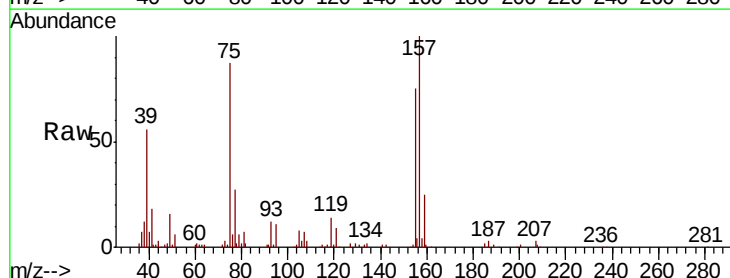
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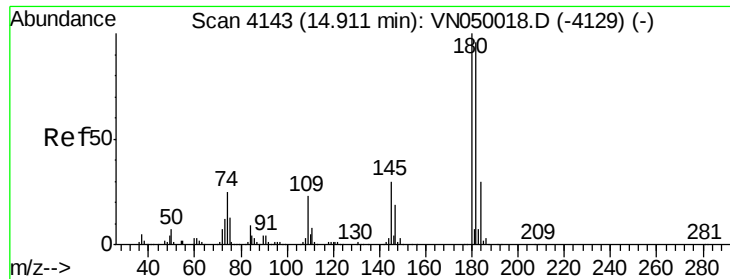
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.72 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	44.8	134.4
157	117.1	57.2	171.6





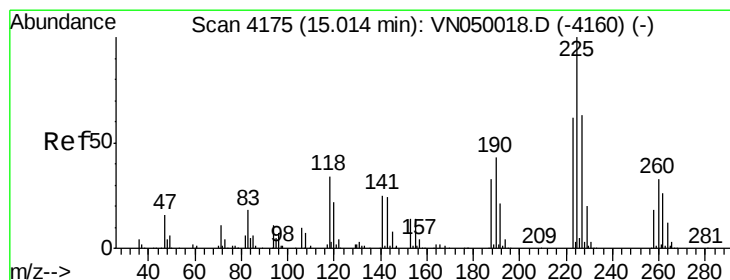
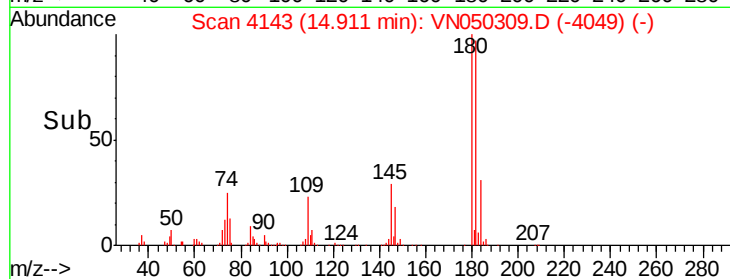
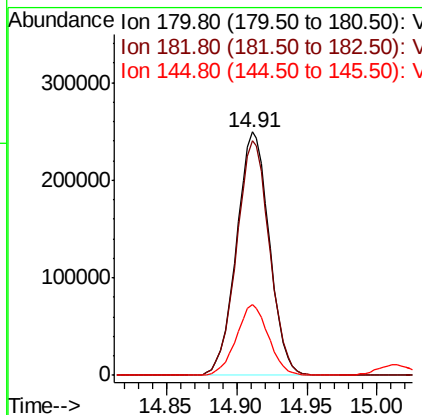
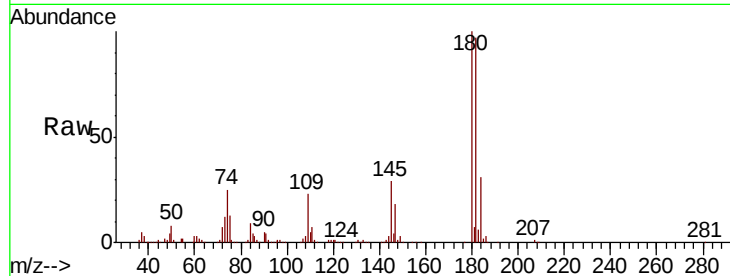
#93
 1,2,4-Trichlorobenzene
 Concen: 49.06 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	406142		
182	96.7	46.7	140.1	
145	28.5	13.8	41.4	

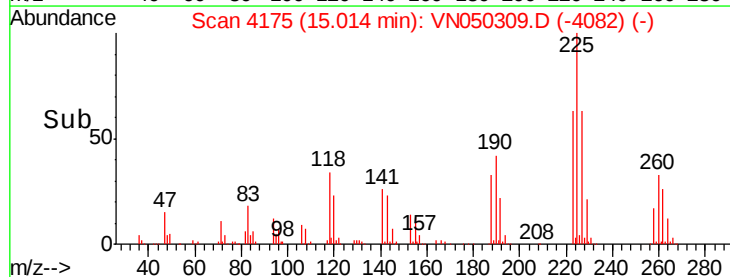
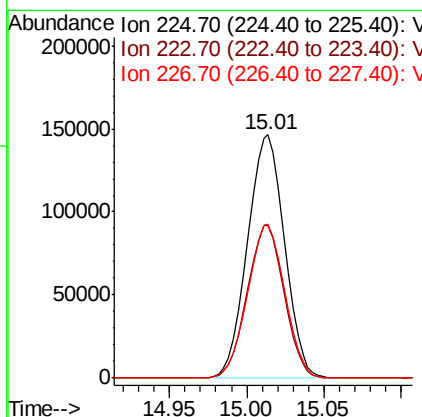
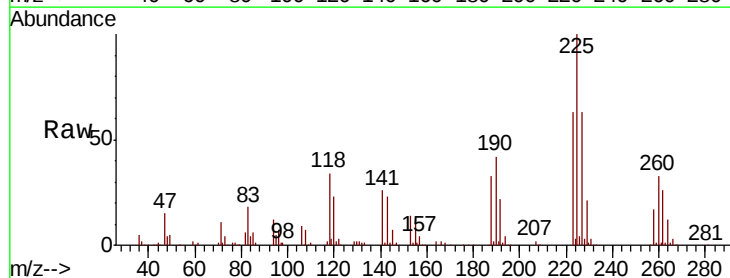
Manual Integrations
 APPROVED

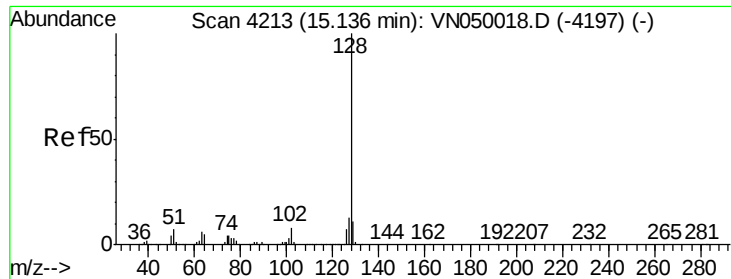
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#94
 Hexachlorobutadiene
 Concen: 51.05 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	244275		
223	62.5	31.4	94.2	
227	63.4	32.1	96.5	





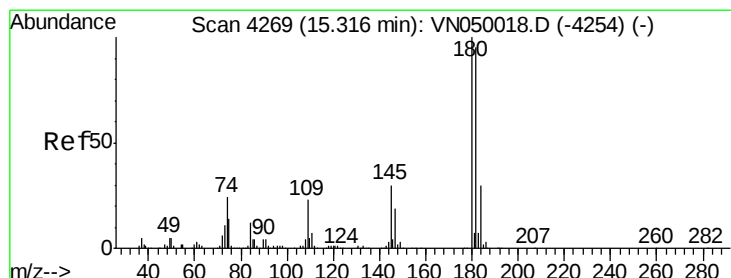
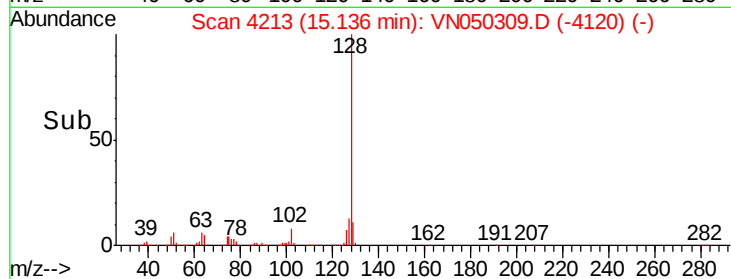
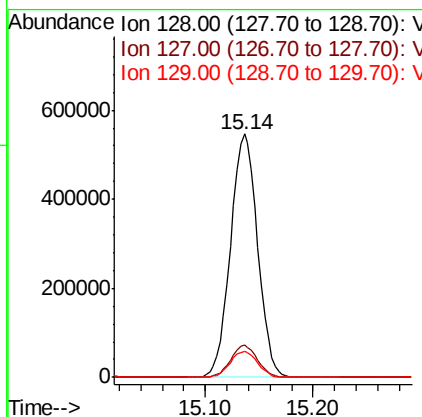
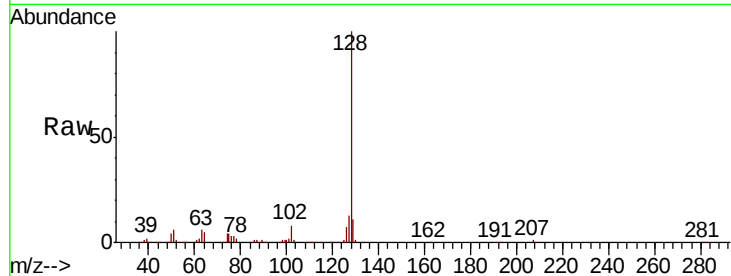
#95
Naphthalene
Concen: 48.63 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	950395		
127	13.0		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.48 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	416229		
182	94.2		48.1	144.4
145	30.7		15.3	45.9

