

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020819\
 Data File : VN053678.D
 Acq On : 8 Feb 2019 13:44
 Operator : JC/SP
 Sample : K1390-01
 Misc : 5.63g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 02:34:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	728115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1118273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1055674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	526435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	347176	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	7.59	113	335885	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.09	98	1490323	56.17	ug/l	0.00
Spiked Amount			Recovery	=	112.34%	
62) 4-Bromofluorobenzene	12.40	95	528117	59.68	ug/l	0.00
Spiked Amount			Recovery	=	119.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	323	0.377	ug/l #	42
11) Tert butyl alcohol	4.73	59	487	1.127	ug/l #	72
13) Acrolein	3.79	56	3880	16.485	ug/l #	44
14) Allyl chloride	4.58	41	193271	18.003	ug/l #	60
15) Acrylonitrile	5.05	53	12410	5.318	ug/l #	40
16) Acetone	3.78	43	11050	5.898	ug/l #	51
18) Methyl Acetate	4.58	43	481369	86.753	ug/l #	51
20) Methylene Chloride	4.55	84	5544	0.705	ug/l #	62
25) 2-Butanone	6.82	43	18192	6.808	ug/l #	47
29) Tetrahydrofuran	7.22	42	486	0.283	ug/l #	33
31) Cyclohexane	7.63	56	477927	38.651	ug/l #	45
36) 1,1-Dichloropropene	7.66	75	44852	4.449	ug/l #	48
37) Ethyl Acetate	6.82	43	18192	3.231	ug/l #	69
38) Carbon Tetrachloride	7.67	117	60982	6.005	ug/l #	15
39) Methylcyclohexane	9.08	83	558467	46.696	ug/l #	88
41) Methacrylonitrile	7.21	41	3504	1.114	ug/l #	31
43) Isopropyl Acetate	8.15	43	255917	23.537	ug/l #	52
45) 1,2-Dichloropropane	9.14	63	2385	0.300	ug/l #	1
46) Dibromomethane	9.16	93	1823	0.380	ug/l #	1
47) Bromodichloromethane	9.38	83	86735	8.704	ug/l #	29
48) Methyl methacrylate	9.22	41	29879	5.757	ug/l #	12
51) 4-Methyl-2-Pentanone	9.87	43	2340898	438.132	ug/l #	39
55) 1,1,2-Trichloroethane	10.53	97	558679	84.037	ug/l #	19
56) Ethyl methacrylate	10.43	69	48582	6.177	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.67	63	335	8.075	ug/l #	48
59) 2-Hexanone	10.72	43	607557	167.503	ug/l #	28
61) 1,2-Dibromoethane	10.98	107	4218	0.641	ug/l #	1
64) Tetrachloroethene	10.63	164	2466	0.273	ug/l #	81
65) Chlorobenzene	11.54	112	13862	0.618	ug/l #	43
67) Ethyl Benzene	11.54	91	13799	0.375	ug/l #	54
71) Bromoform	12.40	173	2676	0.498	ug/l #	1
73) Isopropylbenzene	12.25	105	29991	0.810	ug/l #	99
74) N-amyl acetate	12.04	43	322820	36.275	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.49	83	7362	0.831	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

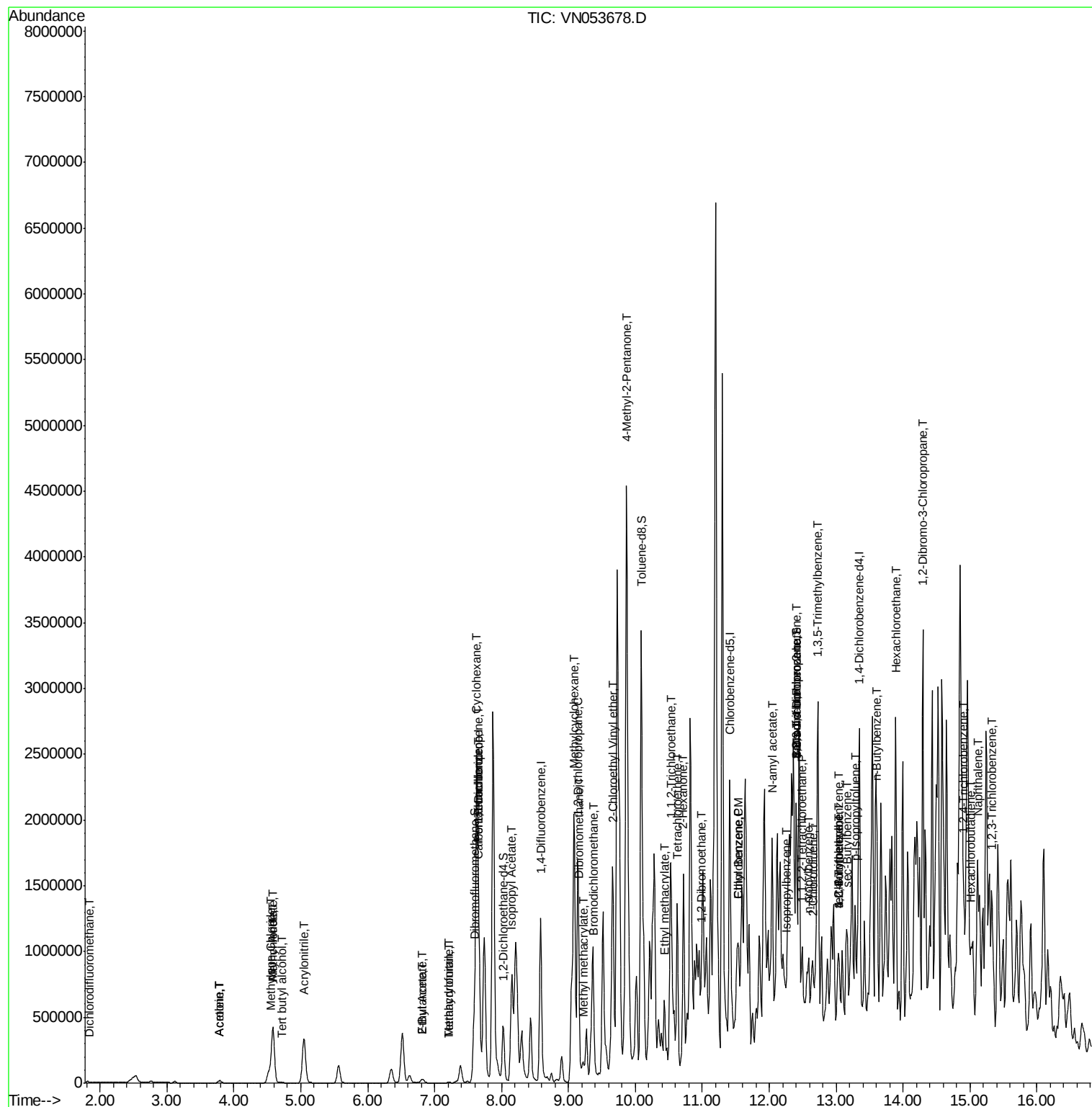
76) 1,2,3-Trichloropropane	12.40	75	224742	33.237	ug/l #	100
78) n-propylbenzene	12.59	91	242658	5.672	ug/l	98
79) 2-Chlorotoluene	12.65	91	17147	0.676	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	9878	0.322	ug/l	84
81) trans-1,4-Dichloro-2-buten	12.40	75	224742	93.461	ug/l #	15
82) 4-Chlorotoluene	13.04	91	16445	0.631	ug/l	95
83) tert-Butylbenzene	13.04	119	19491	0.719	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.04	105	149988	4.797	ug/l	100
85) sec-Butylbenzene	13.17	105	248797	6.741	ug/l #	47
86) p-Isopropyltoluene	13.29	119	104417	3.235	ug/l	98
89) n-Butylbenzene	13.62	91	757505	27.111	ug/l #	77
90) Hexachloroethane	13.89	117	104065	19.544	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.29	75	7221	5.721	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	6156	0.625	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1660	0.271	ug/l	91
95) Naphthalene	15.11	128	46477	3.676	ug/l #	13
96) 1,2,3-Trichlorobenzene	15.31	180	6785	0.743	ug/l #	1

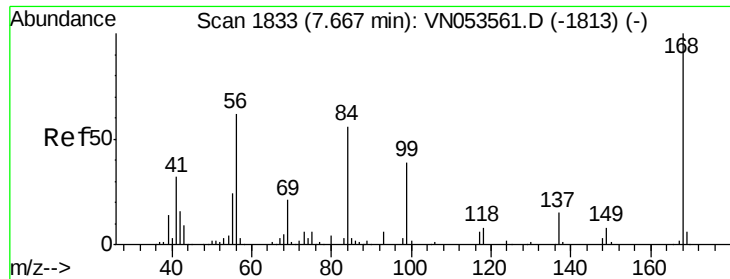
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

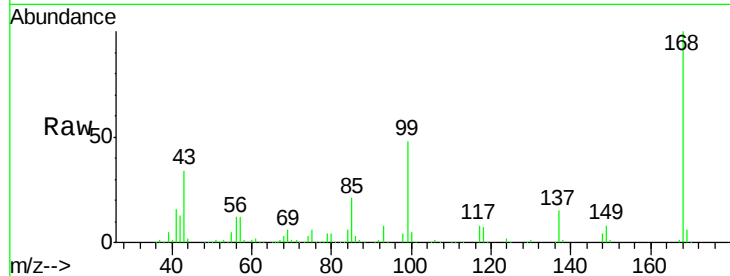
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 728115

Ion Ratio Lower Upper

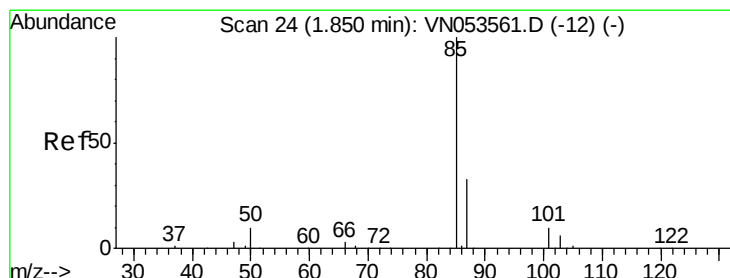
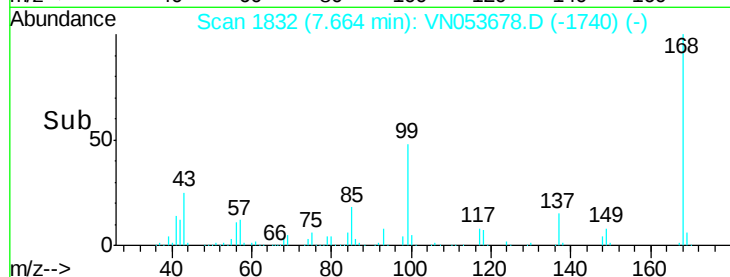
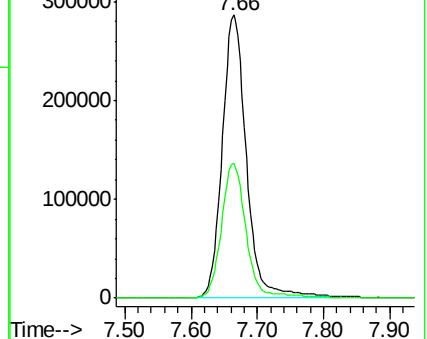
168 100

99 47.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.377 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN053678.D

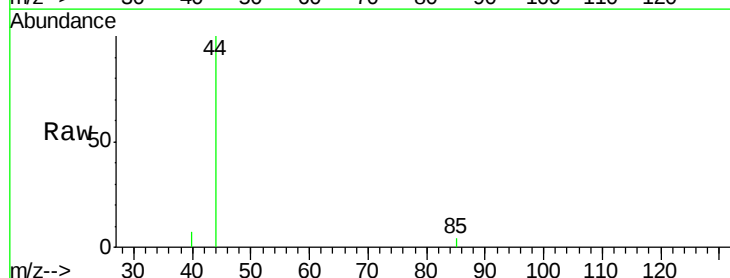
Acq: 8 Feb 2019 13:44

Tgt Ion: 85 Resp: 323

Ion Ratio Lower Upper

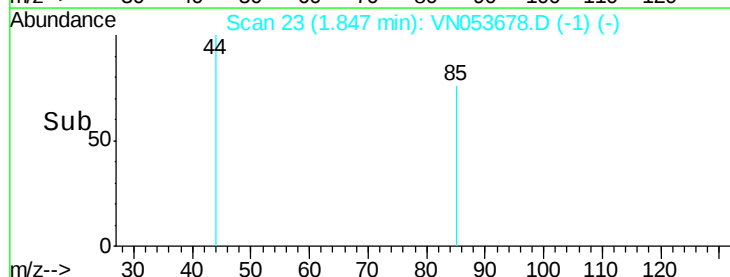
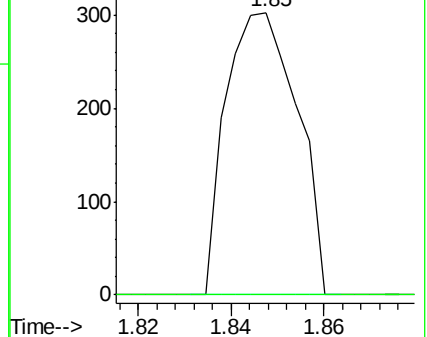
85 100

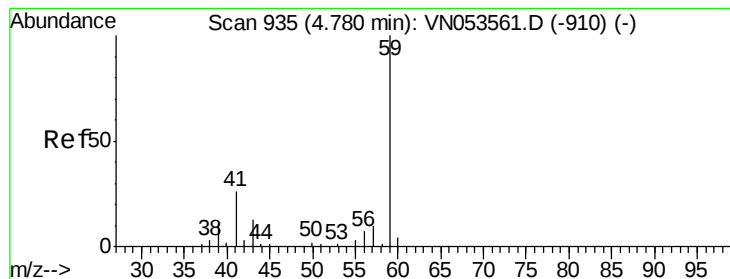
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



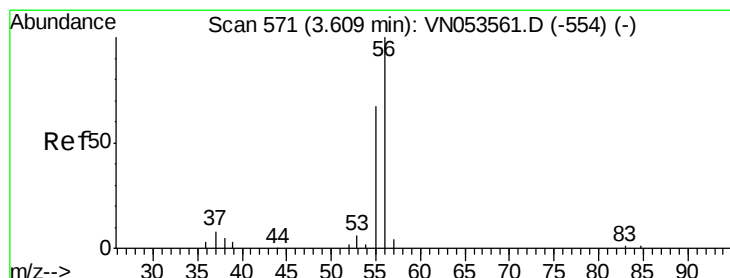
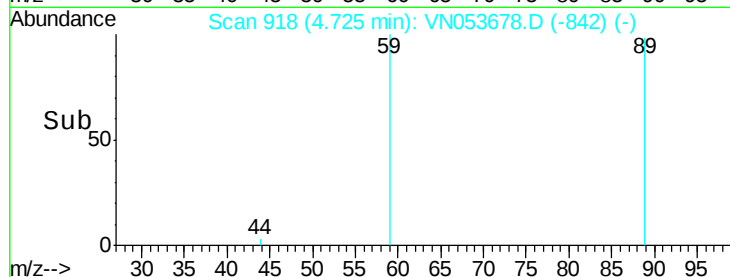
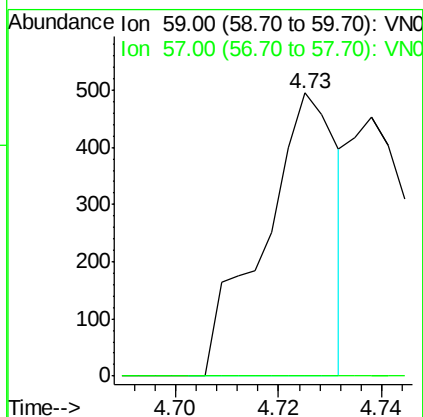
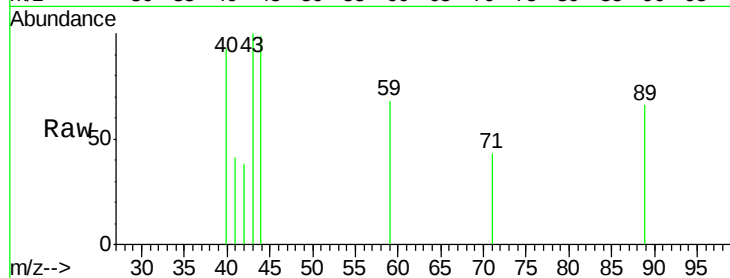


#11

Tert butyl alcohol
 Concen: 1.127 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.05 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Instrument :
 MSVOA_N
 ClientSampled :

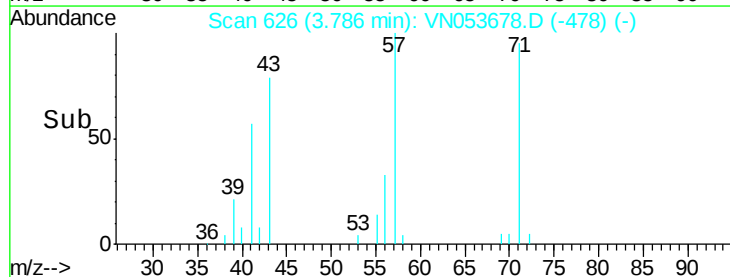
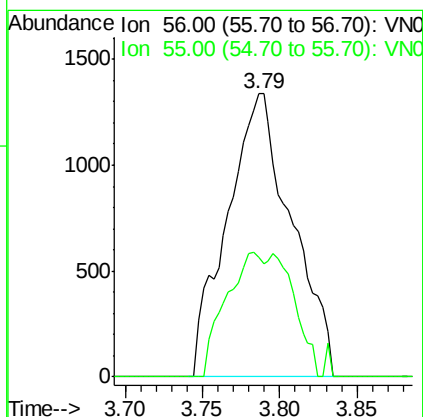
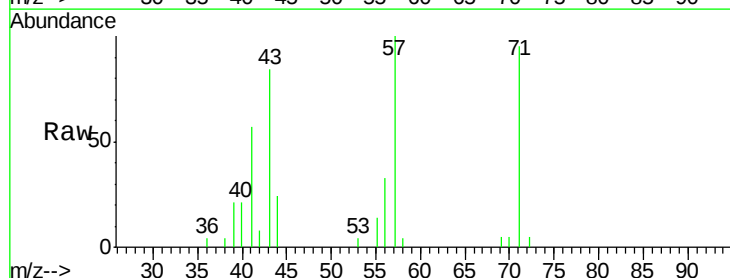
Tot Ion: 59 Resp: 487
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

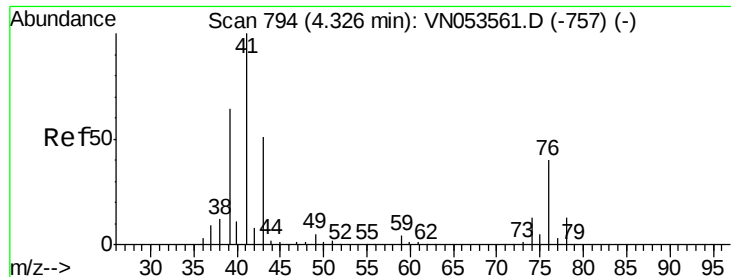


#13

Acrolein
 Concen: 16.485 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.18 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 56 Resp: 3880
 Ion Ratio Lower Upper
 56 100
 55 25.5 57.4 86.0#

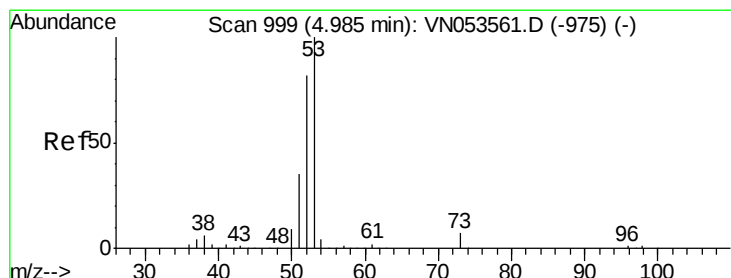
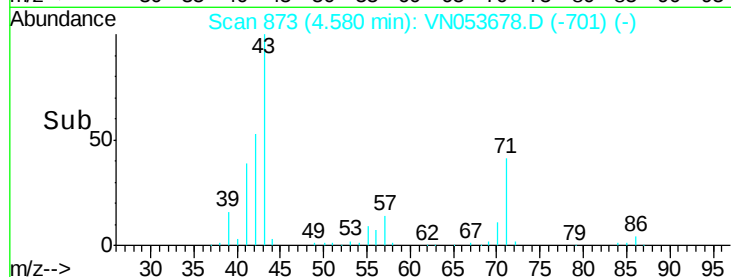
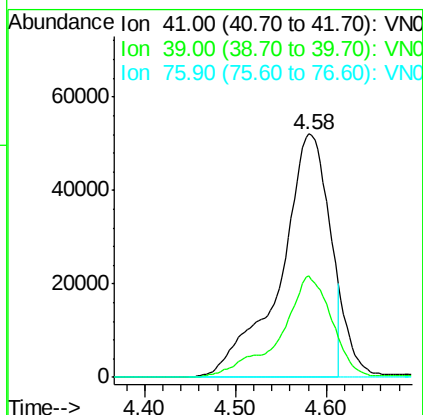
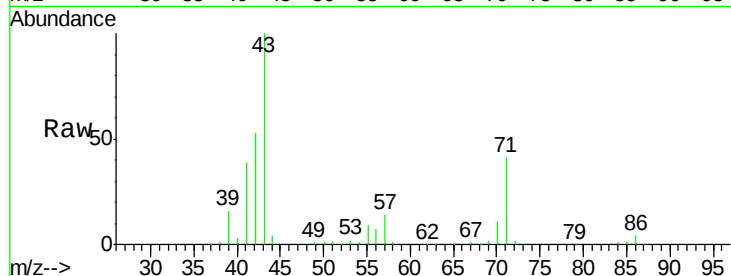




#14
Allvl chloride
Concen: 18.003 ug/l
RT: 4.58 min Scan# 873
Delta R.T. 0.25 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

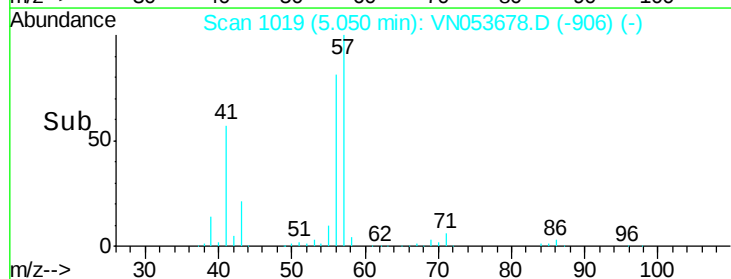
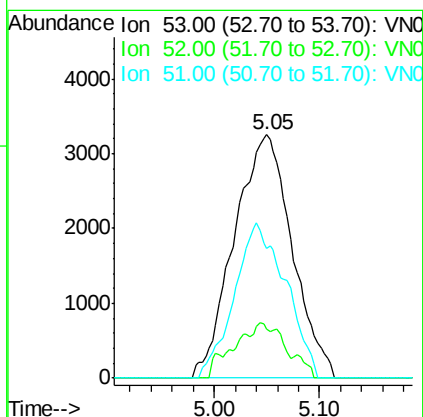
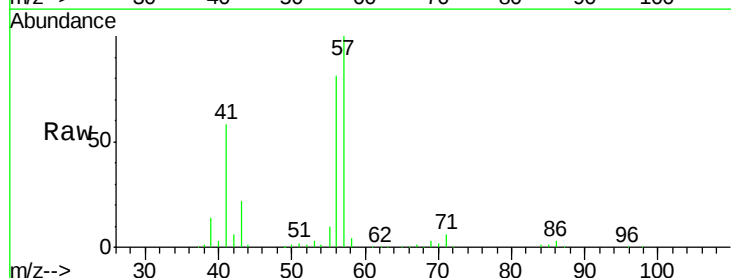
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MSVOA_N
ClientSampleId :

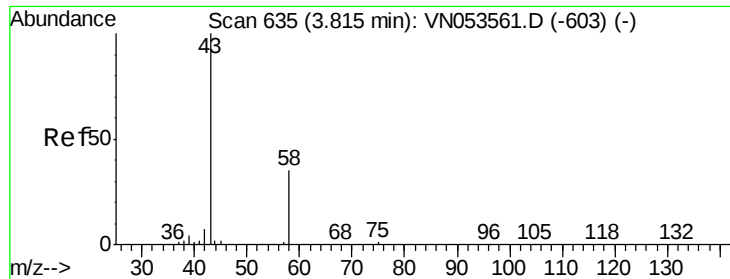
Tot Ion: 41 Resp: 193271
Ion Ratio Lower Upper
41 100
39 41.0 48.9 73.3#
76 0.0 29.4 44.2#



#15
Acrylonitrile
Concen: 5.318 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.06 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 53 Resp: 12410
Ion Ratio Lower Upper
53 100
52 18.9 66.0 99.0#
51 56.4 28.3 42.5#

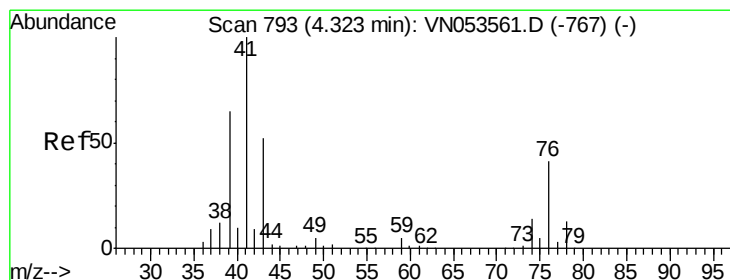
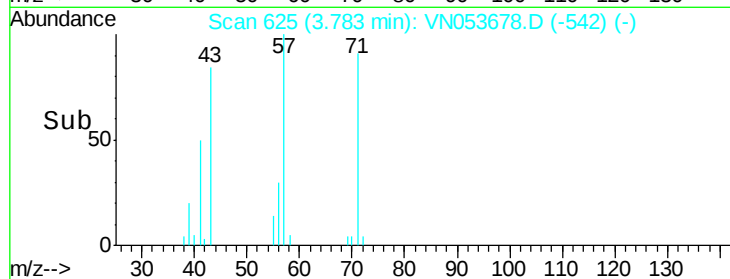
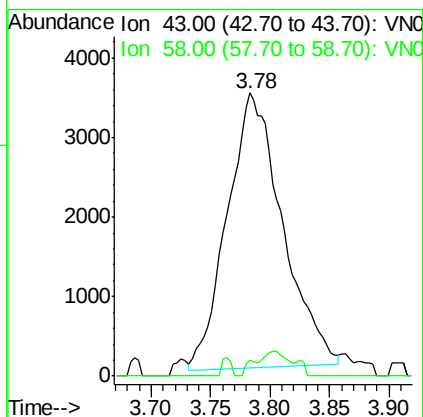
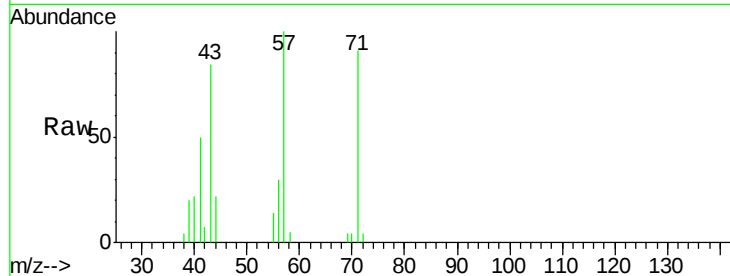




#16
Acetone
Concen: 5.898 ug/l
RT: 3.78 min Scan# 625
Delta R.T. -0.03 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

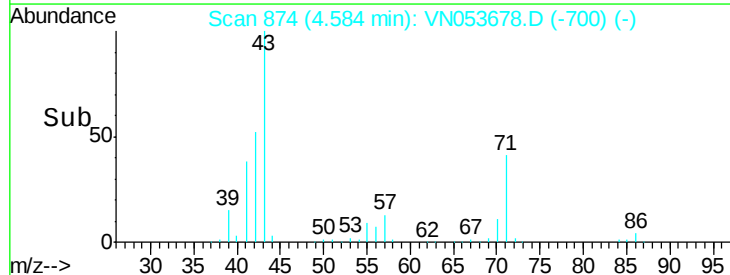
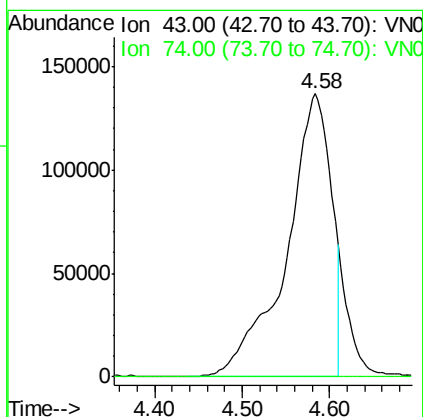
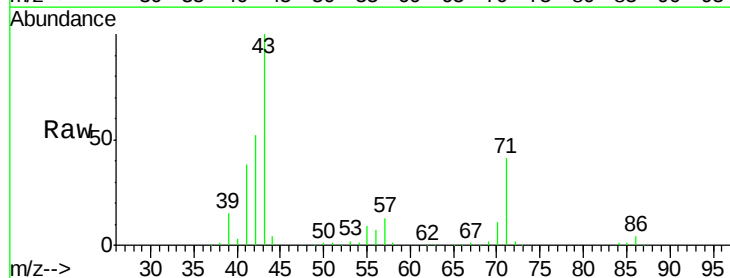
Instrument :
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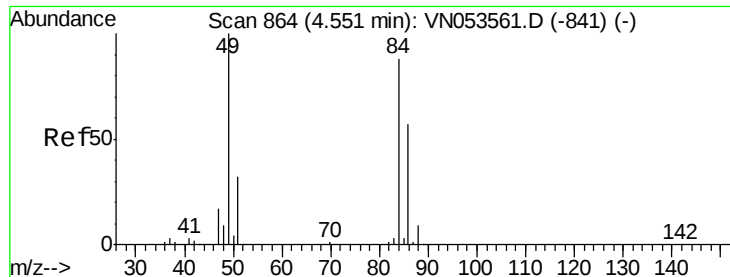
Tot Ion: 43 Resp: 11050
Ion Ratio Lower Upper
43 100
58 5.7 27.1 40.7#



#18
Methyl Acetate
Concen: 86.753 ug/l
RT: 4.58 min Scan# 874
Delta R.T. 0.26 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 43 Resp: 481369
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

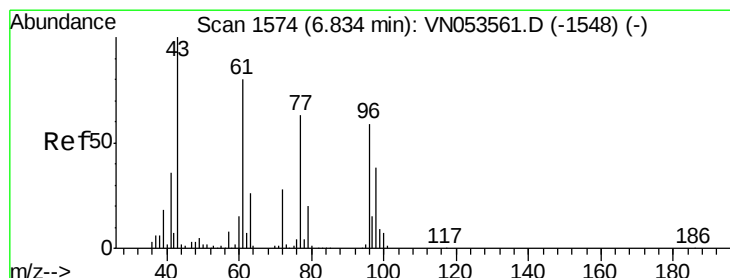
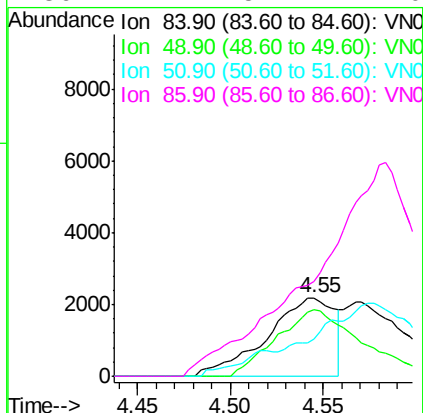
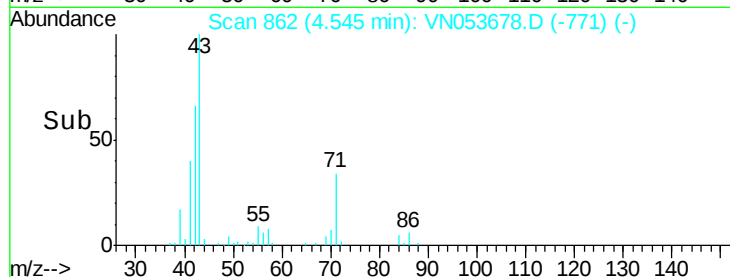
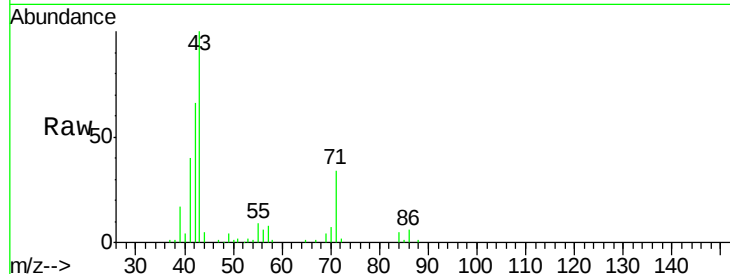




#20
Methvlene Chloride
Concen: 0.705 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

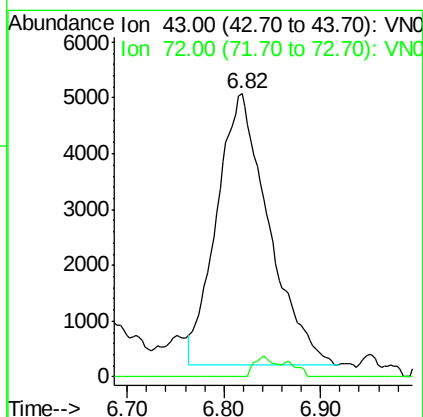
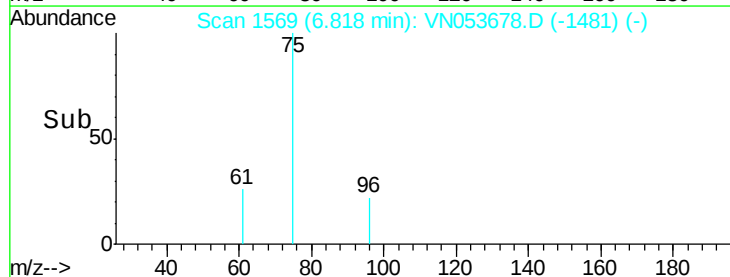
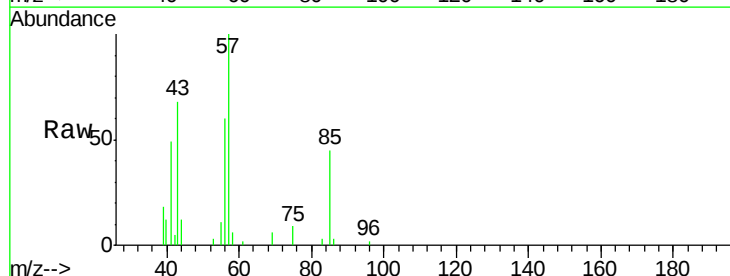
Instrument :
MSVOA_N
ClientSampleId :

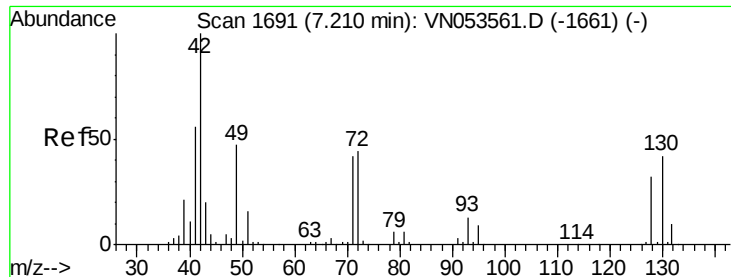
Tot Ion: 84 Resp: 5544
Ion Ratio Lower Upper
84 100
49 85.3 94.3 141.5#
51 48.3 29.4 44.2#
86 114.2 51.4 77.0#



#25
2-Butanone
Concen: 6.808 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 43 Resp: 18192
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#

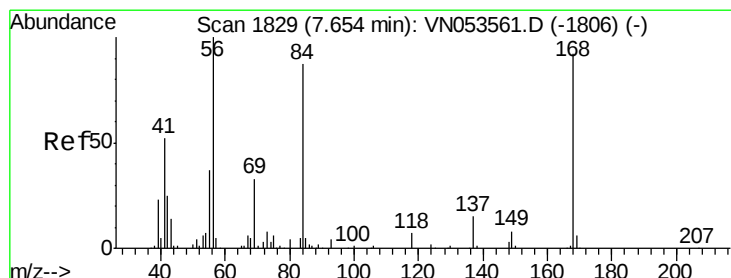
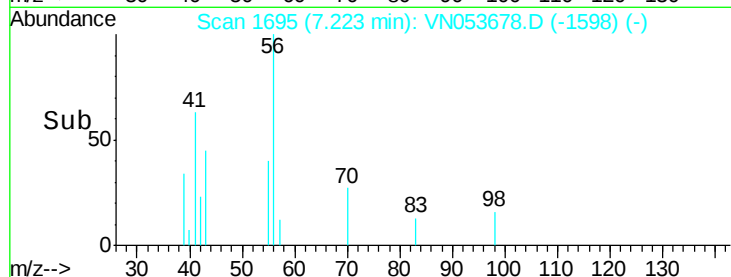
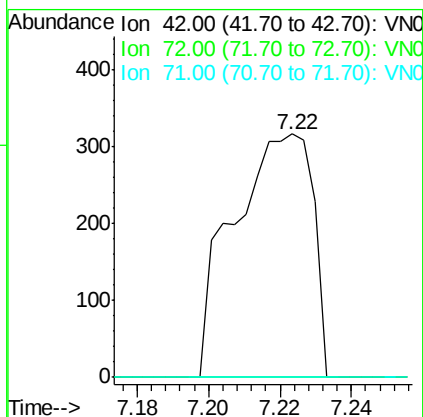
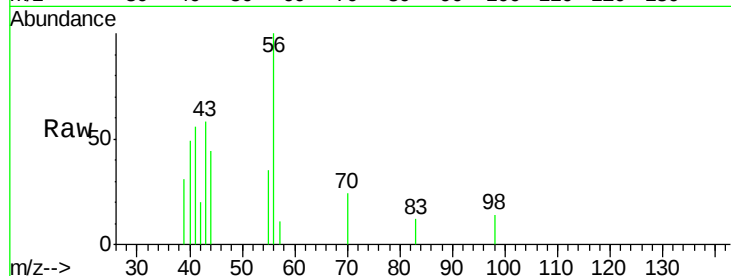




#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

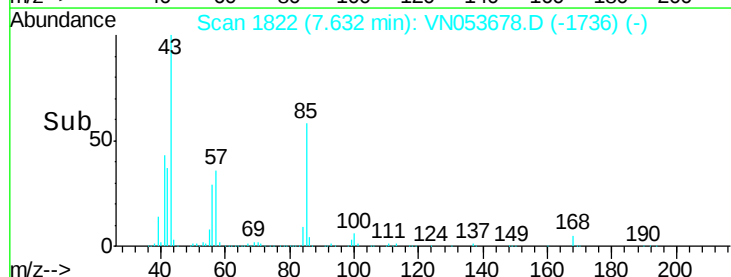
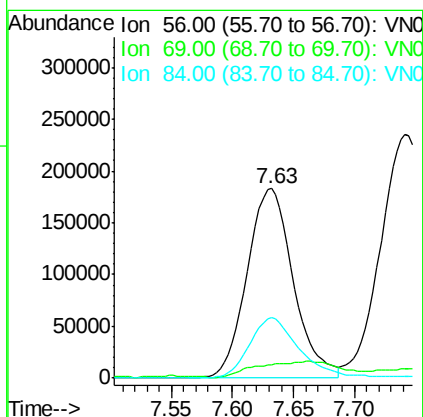
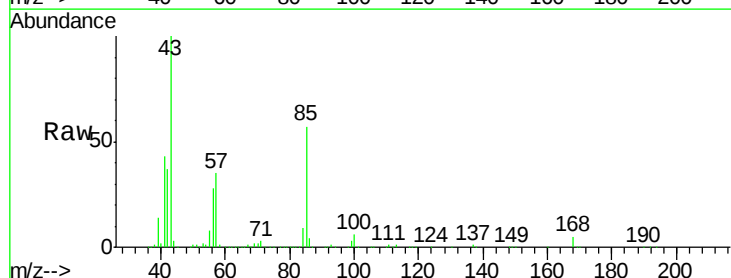
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MSVOA_N
ClientSampleId :

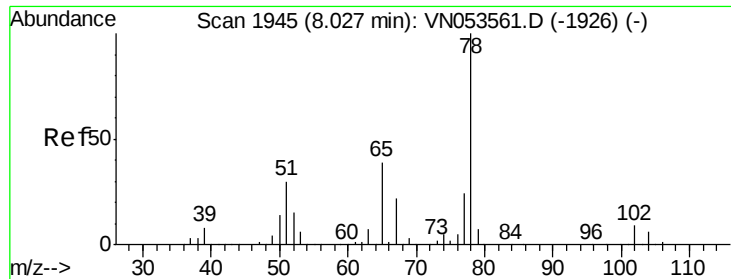
Tot Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 33.0 49.4#



#31
Cyclohexane
Concen: 38.651 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.02 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 56 Resp: 477927
Ion Ratio Lower Upper
56 100
69 6.2 26.4 39.6#
84 31.8 67.9 101.9#

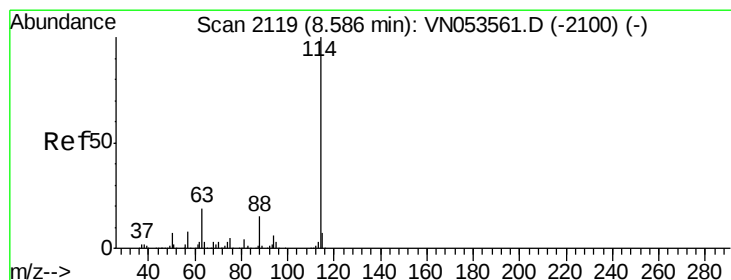
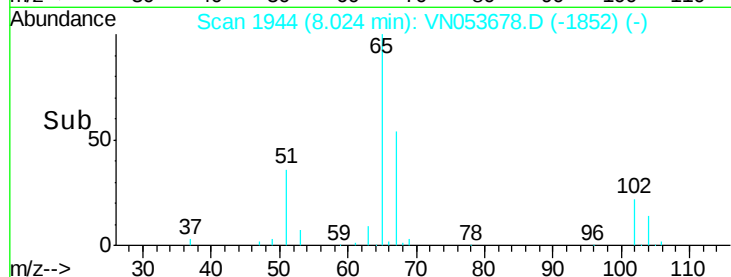
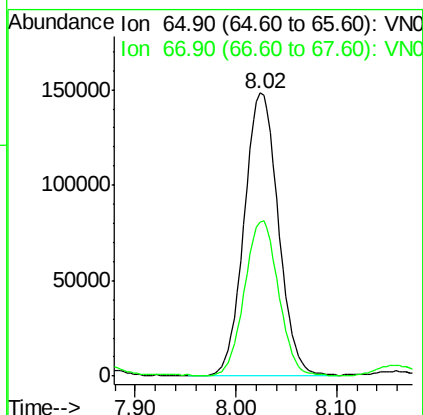
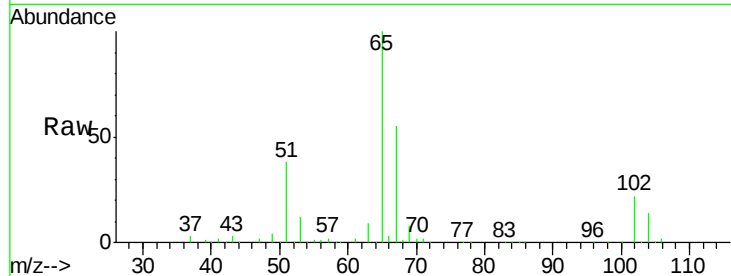




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

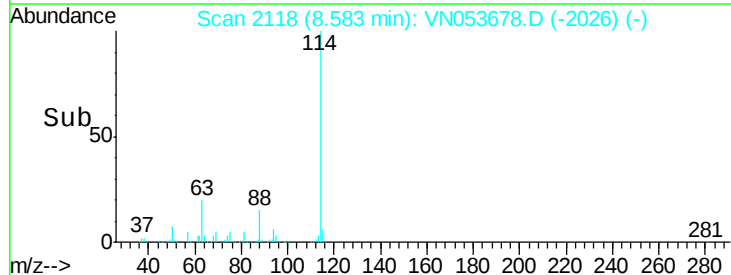
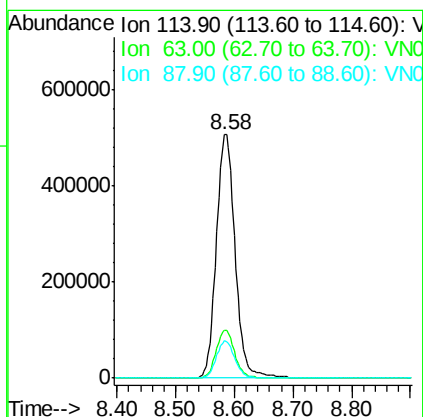
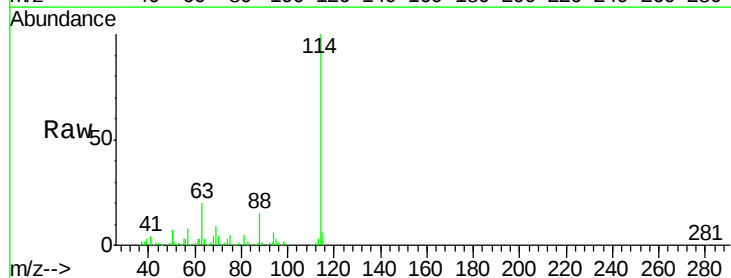
Instrument :
 MSVOA_N
 ClientSampleId :

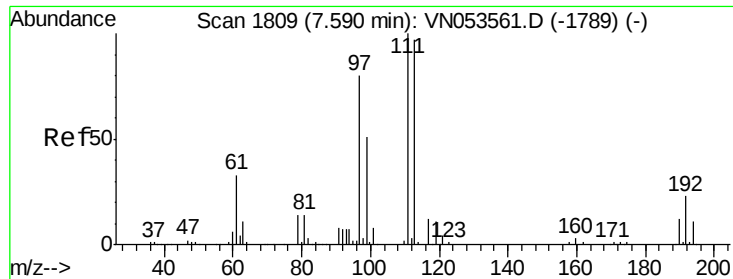
Tot Ion: 65 Resp: 347176
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 114 Resp: 1118273
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.2 0.0 30.4

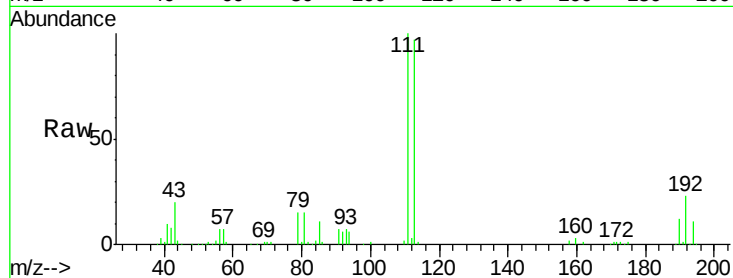




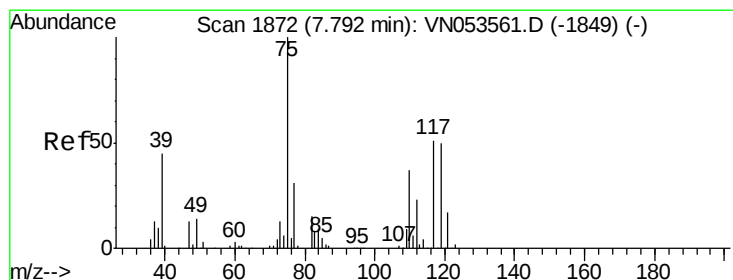
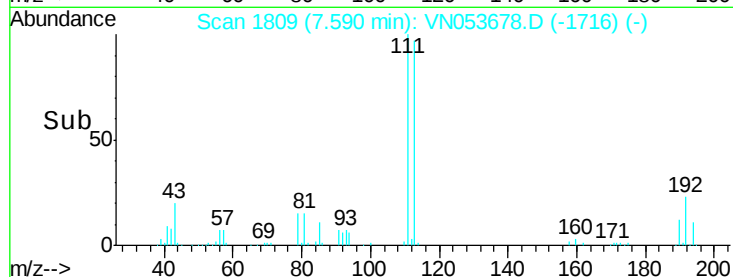
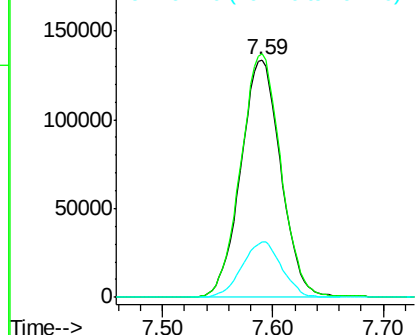
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	23.4	18.2	27.2

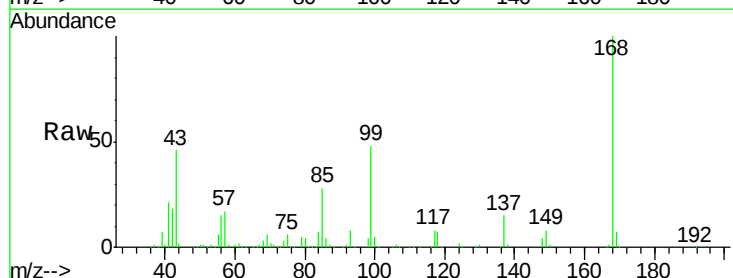


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

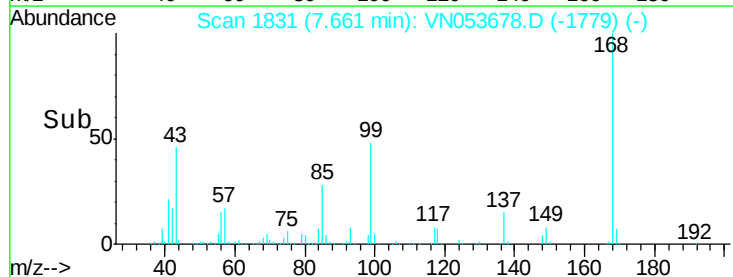
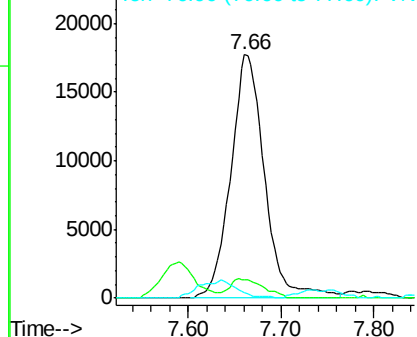


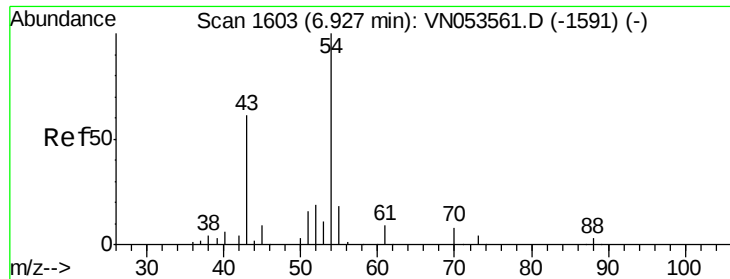
#36
1,1-Dichloropropene
Concen: 4.449 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.3#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

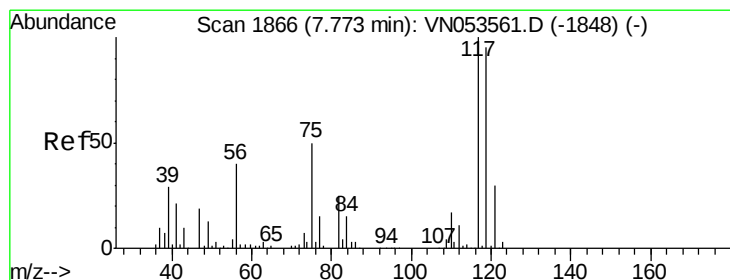
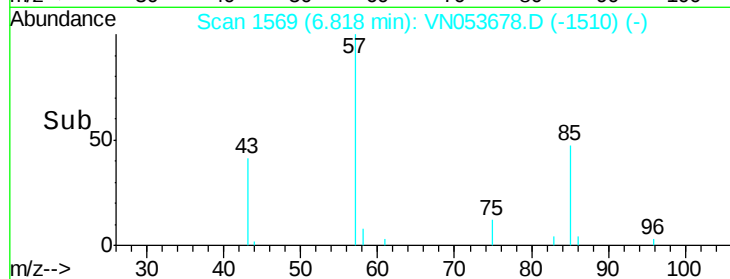
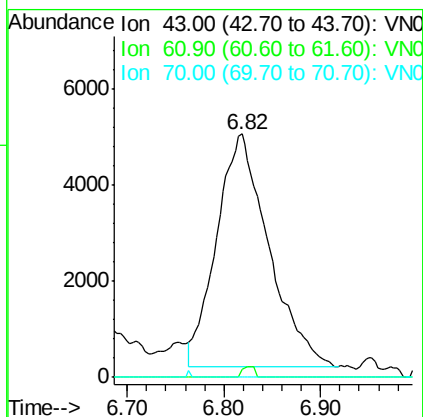
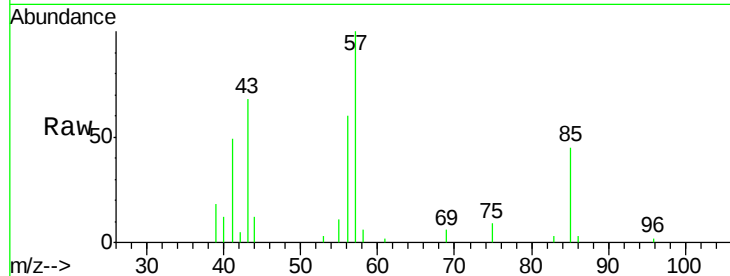




#37
Ethyl Acetate
Concen: 3.231 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.11 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

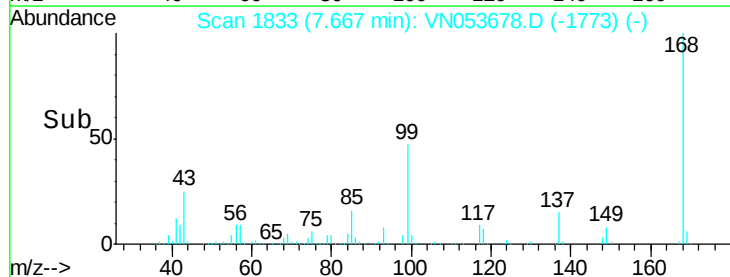
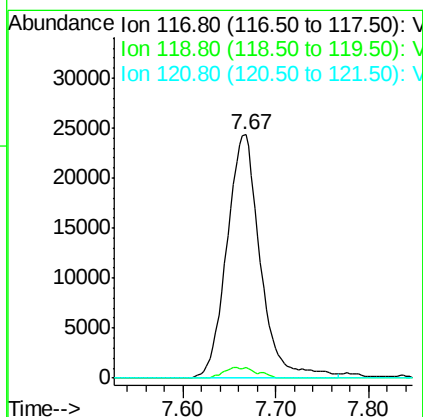
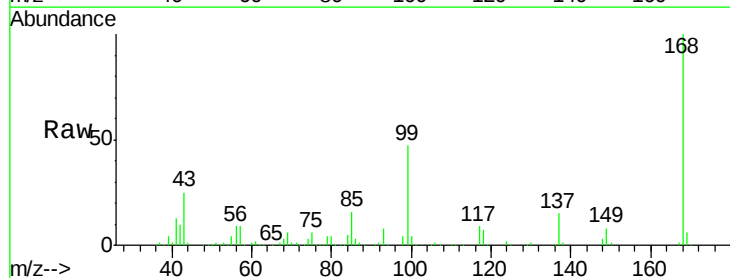
Instrument :
MSVOA_N
ClientSampleId :

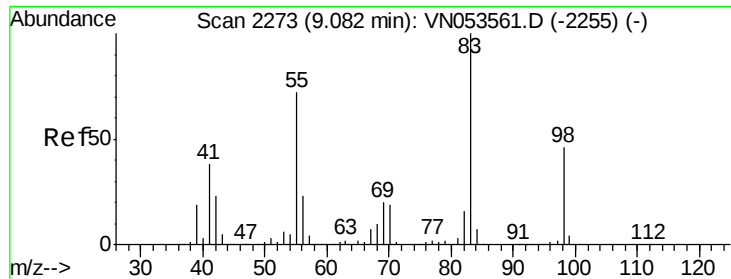
Tot Ion: 43 Resp: 18192
Ion Ratio Lower Upper
43 100
61 1.1 11.8 17.6#
70 0.0 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 117 Resp: 60982
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 24.6 37.0#

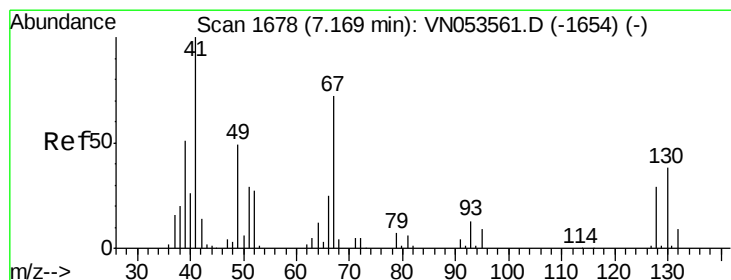
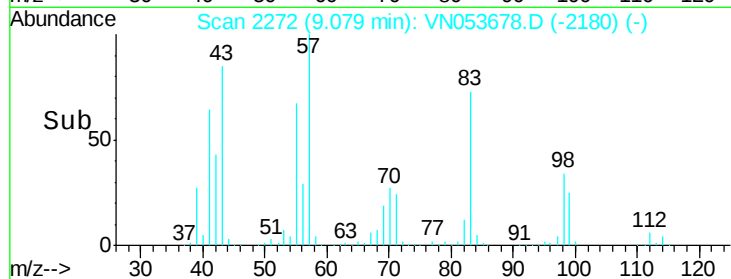
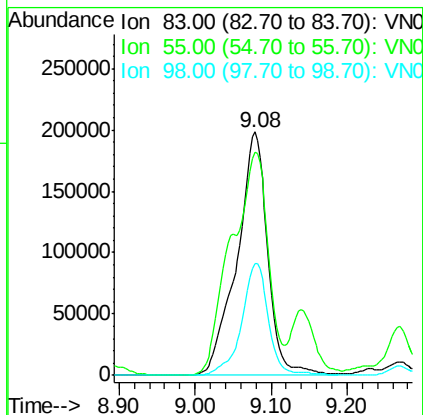
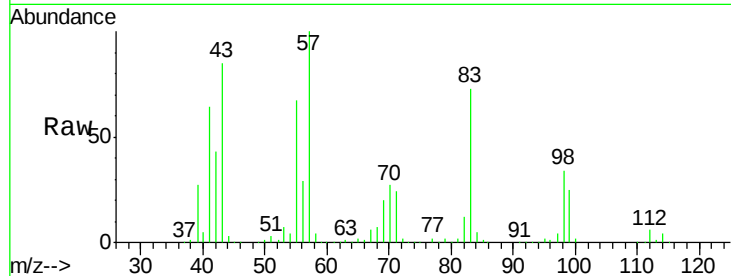




#39
Methvlcvclohexane
Concen: 46.696 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

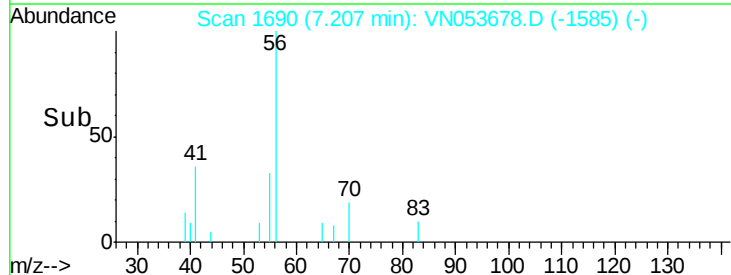
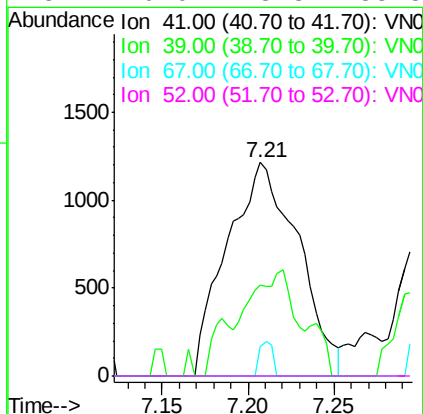
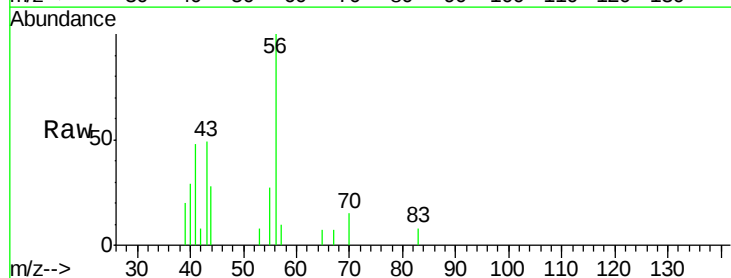
Instrument :
MSVOA_N
ClientSampleId :

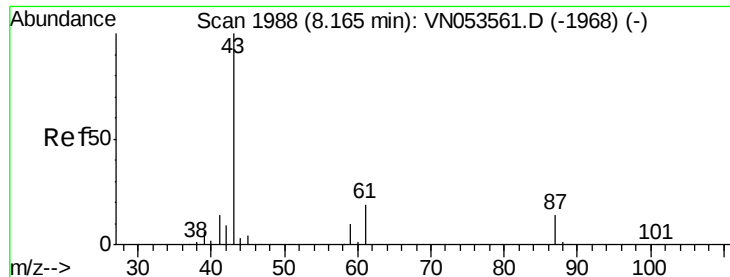
Tot Ion: 83 Resp: 558467
Ion Ratio Lower Upper
83 100
55 91.7 60.1 90.1#
98 46.1 36.6 55.0



#41
Methacrylonitrile
Concen: 1.114 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 41 Resp: 3504
Ion Ratio Lower Upper
41 100
39 19.4 46.8 70.2#
67 3.0 63.0 94.6#
52 0.0 23.8 35.8#



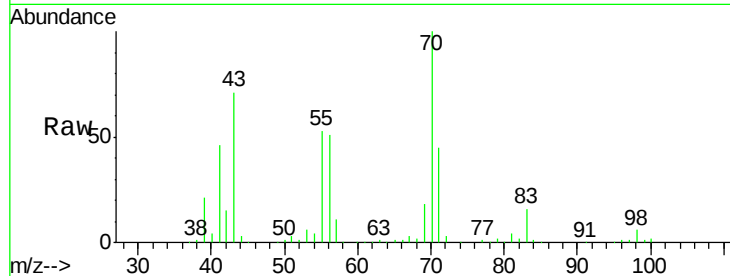


#43

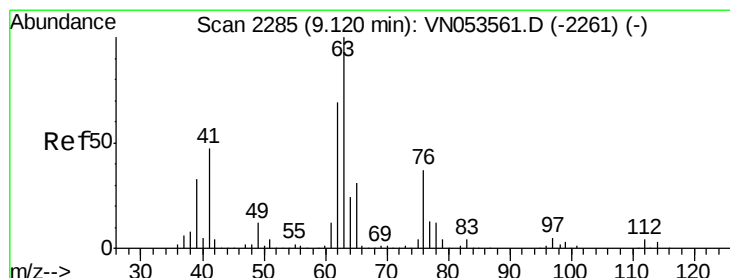
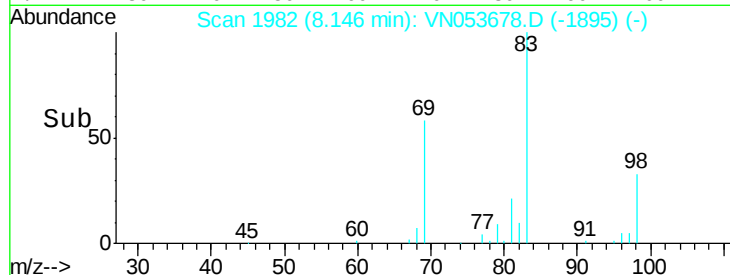
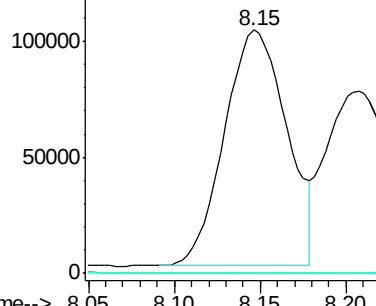
Isopropyl Acetate
 Concen: 23.537 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. -0.02 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 255917
 Ion Ratio Lower Upper
 43 100
 61 0.2 23.9 35.9#
 87 0.0 11.0 16.6#



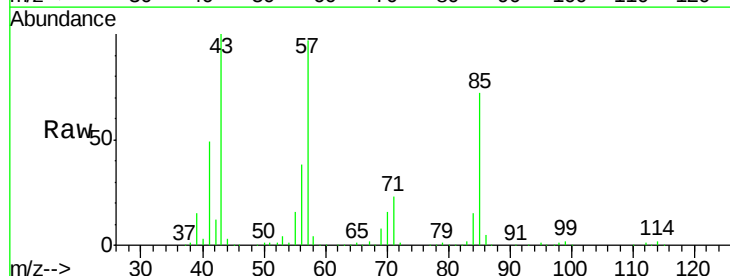
Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO



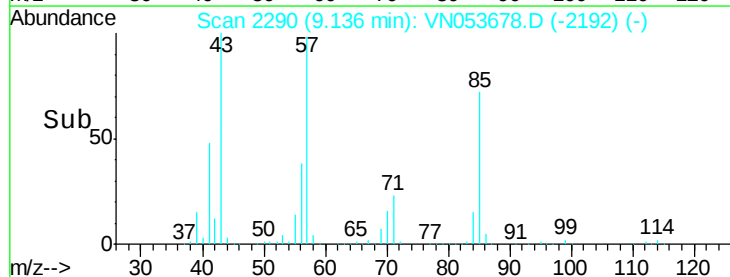
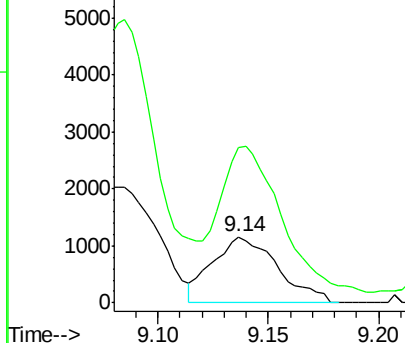
#45

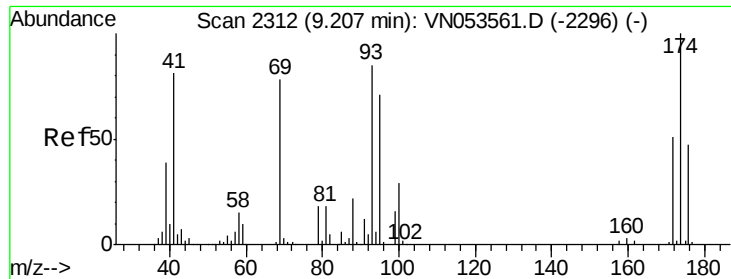
1,2-Dichloropropane
 Concen: 0.300 ug/l
 RT: 9.14 min Scan# 2290
 Delta R.T. 0.02 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 63 Resp: 2385
 Ion Ratio Lower Upper
 63 100
 65 207.2 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VNO
 Ion 64.90 (64.60 to 65.60): VNO

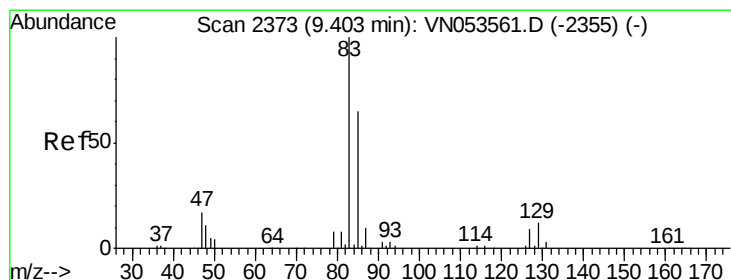
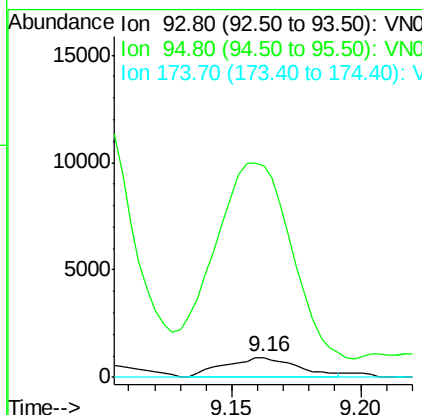
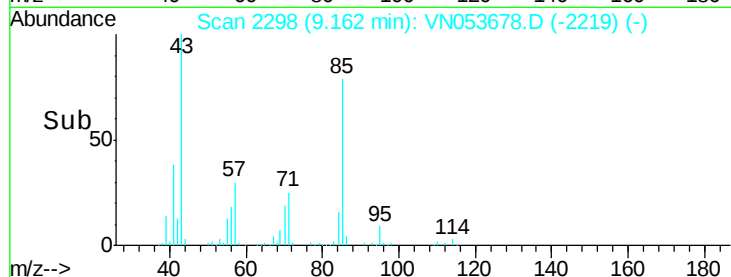
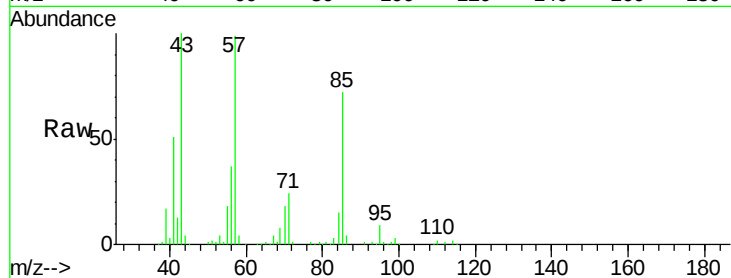




#46
 Dibromomethane
 Concen: 0.380 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.04 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

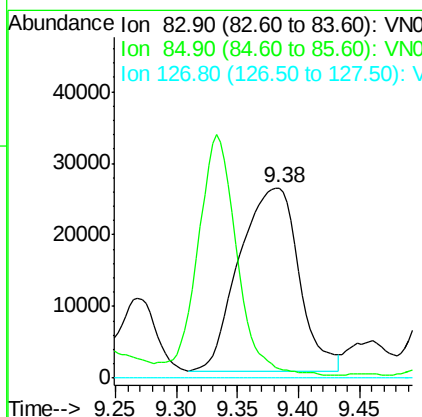
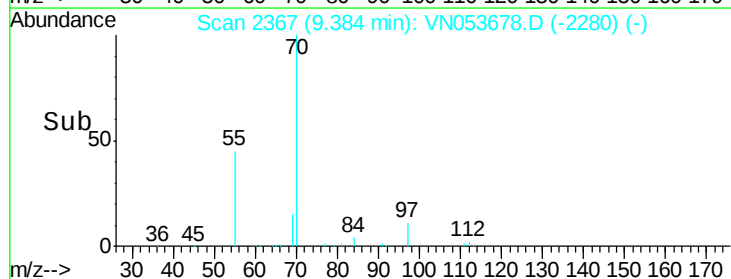
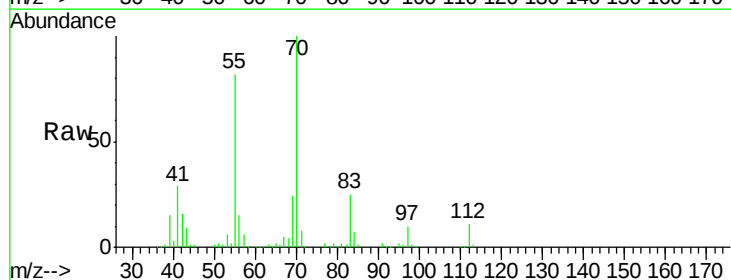
Instrument :
 MSVOA_N
 ClientSampled :

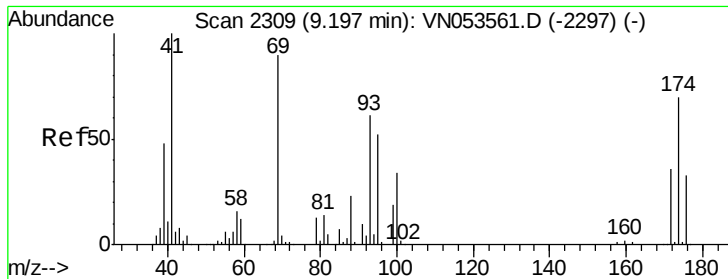
Tot Ion: 93 Resp: 1823
 Ion Ratio Lower Upper
 93 100
 95 1069.2 67.3 100.9#
 174 0.0 91.0 136.4#



#47
 Bromodichloromethane
 Concen: 8.704 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. -0.02 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 83 Resp: 86735
 Ion Ratio Lower Upper
 83 100
 85 3.6 51.0 76.6#
 127 0.0 7.0 10.6#





#48

Methyl methacrylate

Concen: 5.757 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :
MSVOA_N
ClientSampleId :

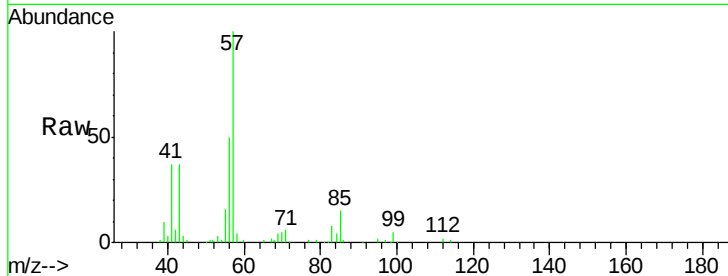
Tot Ion: 41 Resp: 29879

Ion Ratio Lower Upper

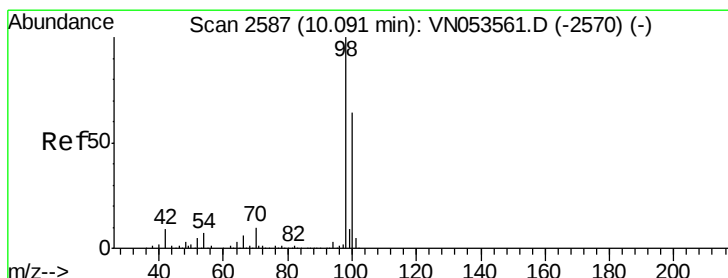
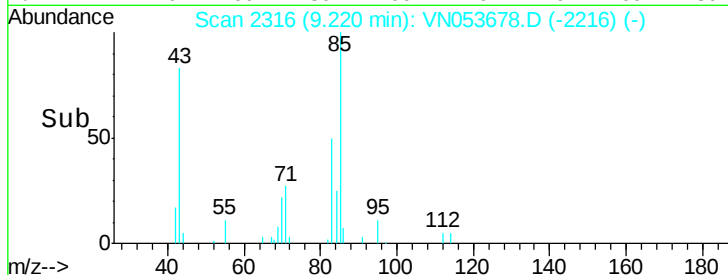
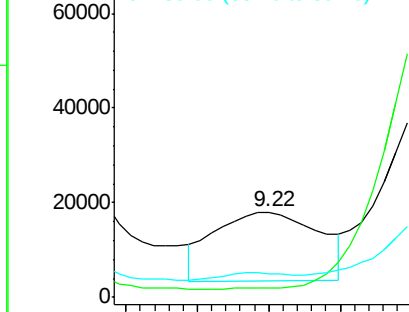
41 100

69 0.0 73.8 110.6#

39 0.0 40.0 60.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053678.D

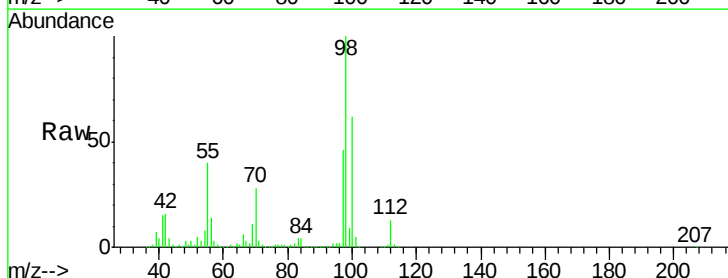
Acq: 8 Feb 2019 13:44

Tgt Ion: 98 Resp: 1490323

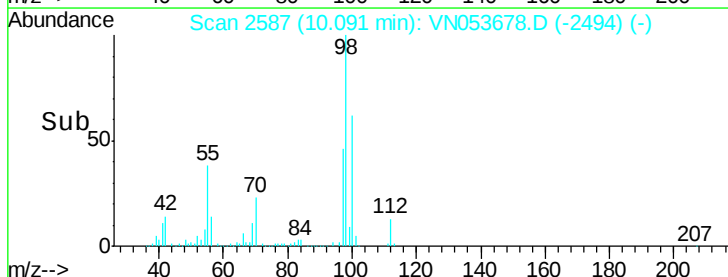
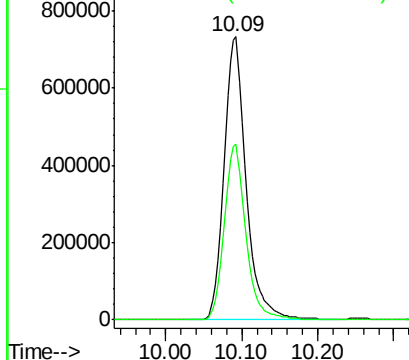
Ion Ratio Lower Upper

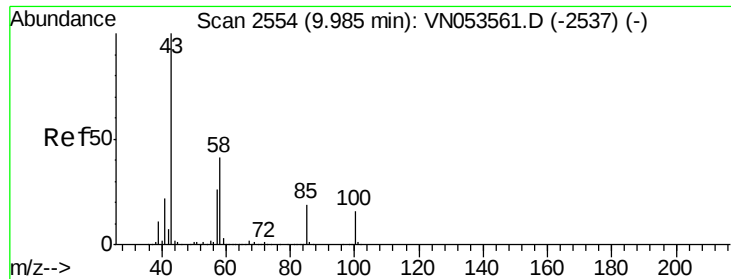
98 100

100 60.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

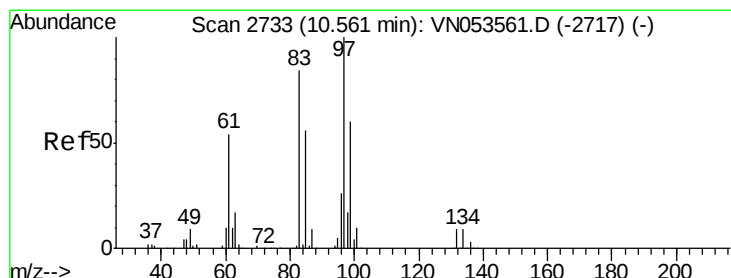
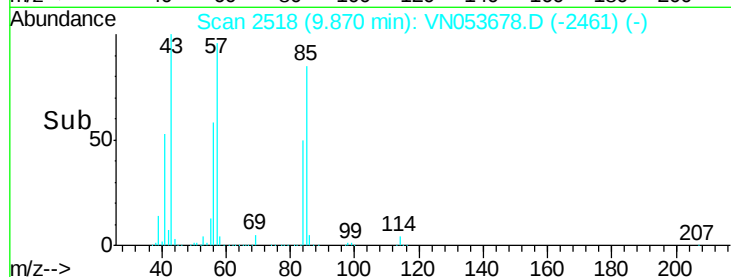
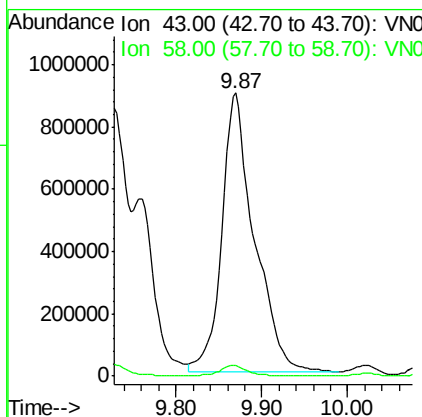
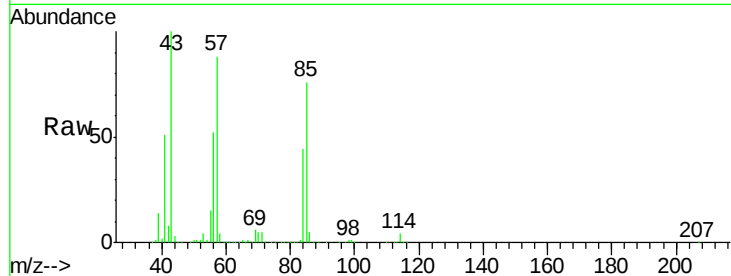




#51
 4-Methyl-2-Pentanone
 Concen: 438.132 ug/l
 RT: 9.87 min Scan# 2518
 Delta R.T. -0.12 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

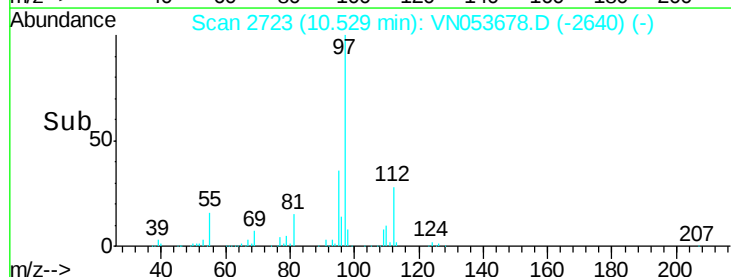
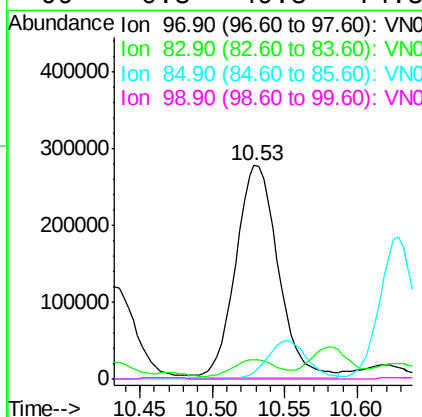
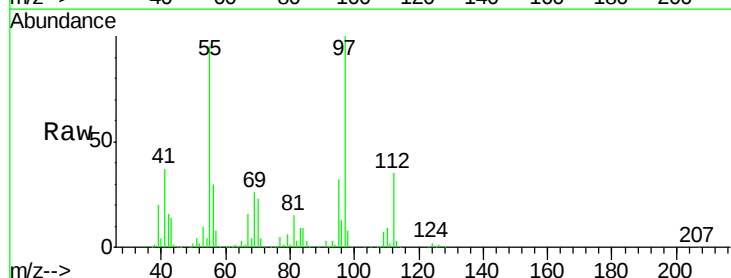
Instrument :
 MSVOA_N
 ClientSampled :

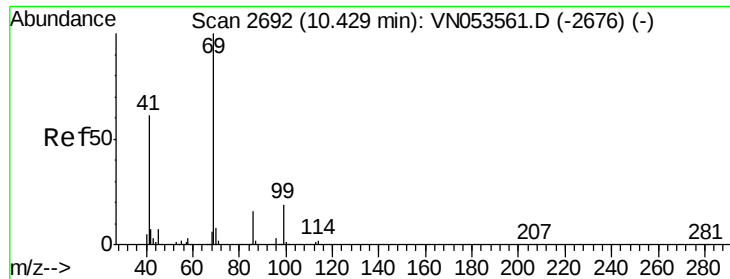
Tot Ion: 43 Resp: 2340898
 Ion Ratio Lower Upper
 43 100
 58 3.2 32.8 49.2#



#55
 1,1,2-Trichloroethane
 Concen: 84.037 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 97 Resp: 558679
 Ion Ratio Lower Upper
 97 100
 83 7.4 70.1 105.1#
 85 3.1 45.4 68.0#
 99 0.3 49.8 74.8#





#56

Ethyl methacrylate

Concen: 6.177 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA_N

ClientSampled :

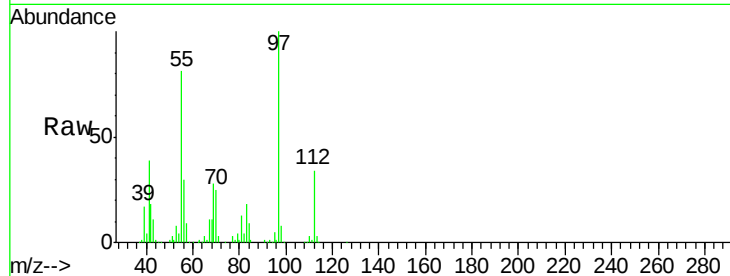
Tot Ion: 69 Resp: 48582

Ion Ratio Lower Upper

69 100

41 93.7 49.4 74.0#

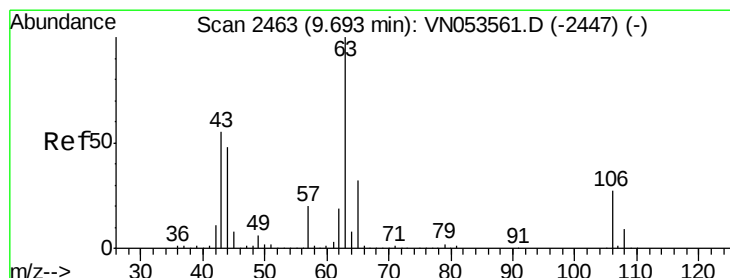
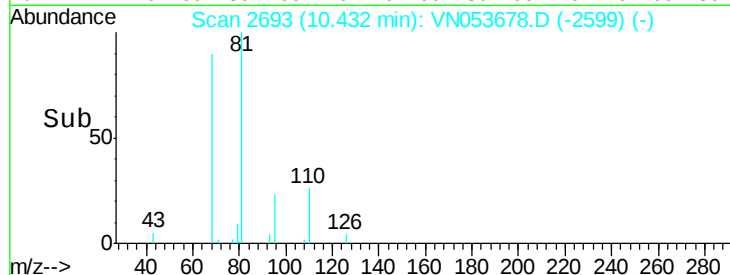
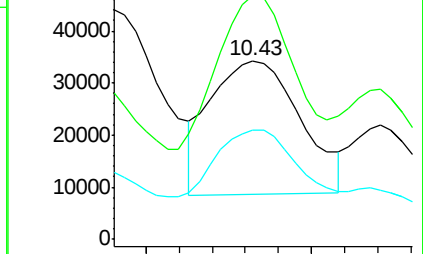
39 42.2 23.3 34.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 8.075 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. -0.02 min

Lab File: VN053678.D

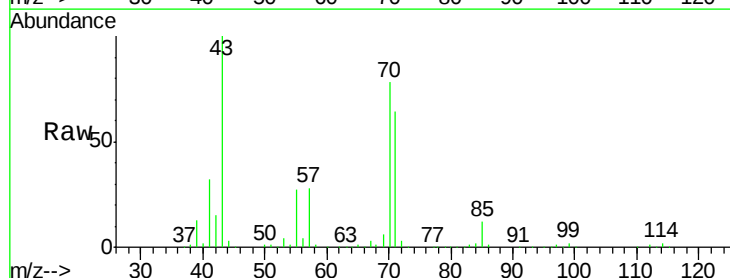
Acq: 8 Feb 2019 13:44

Tgt Ion: 63 Resp: 335

Ion Ratio Lower Upper

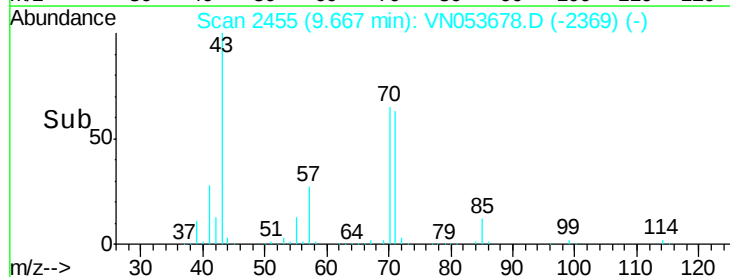
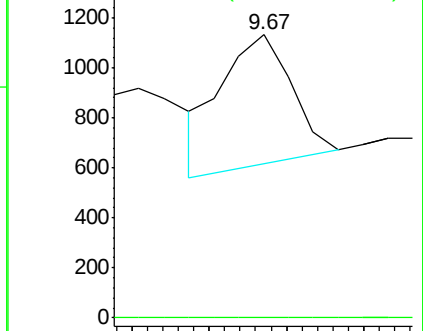
63 100

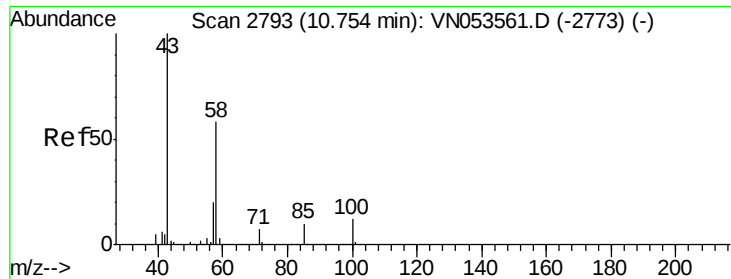
106 0.0 21.5 32.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

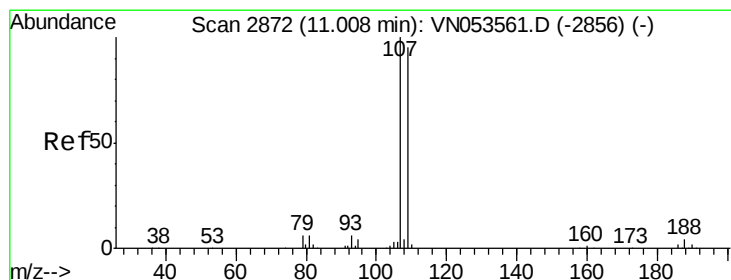
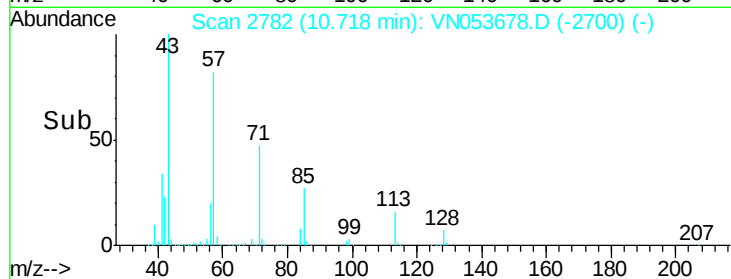
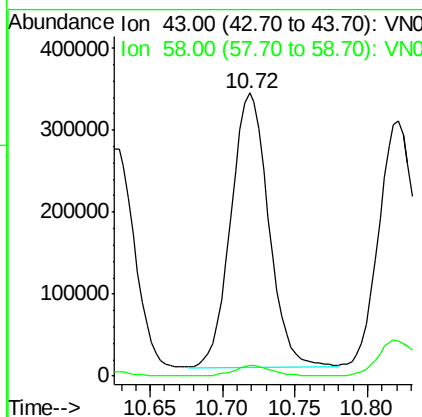
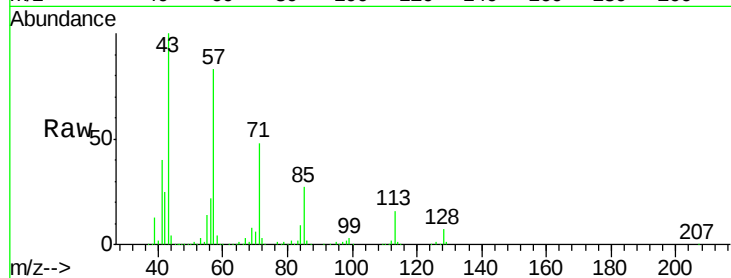




#59
2-Hexanone
Concen: 167.503 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.04 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

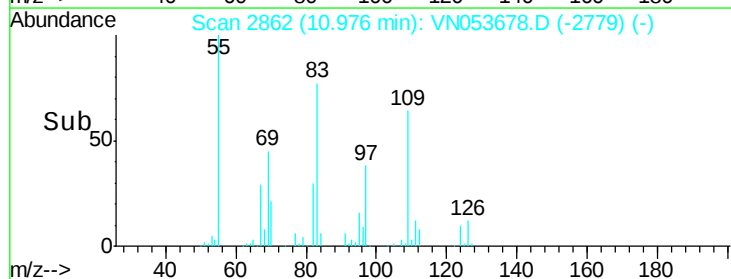
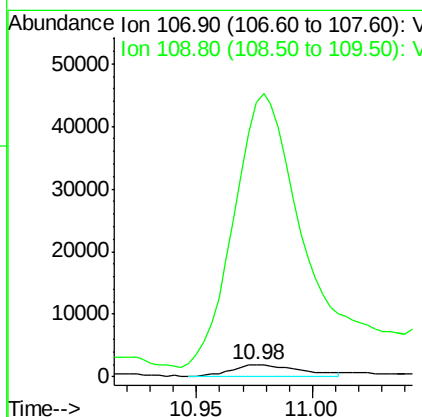
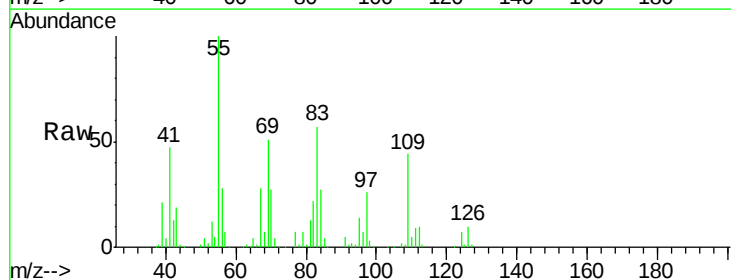
Instrument :
MSVOA_N
ClientSampleId :

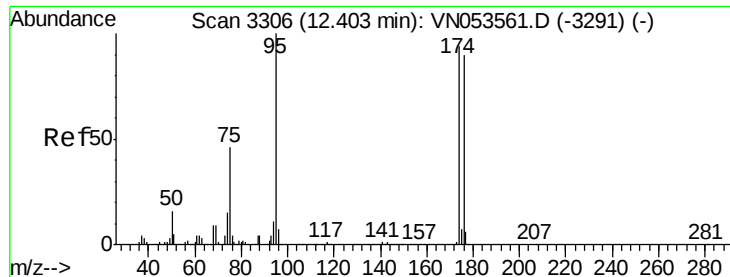
Tot Ion: 43 Resp: 607557
Ion Ratio Lower Upper
43 100
58 4.1 28.6 85.8#



#61
1,2-Dibromoethane
Concen: 0.641 ug/l
RT: 10.98 min Scan# 2862
Delta R.T. -0.03 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion:107 Resp: 4218
Ion Ratio Lower Upper
107 100
109 2274.6 75.7 113.5#





#62

4-Bromofluorobenzene

Concen: 0.641 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

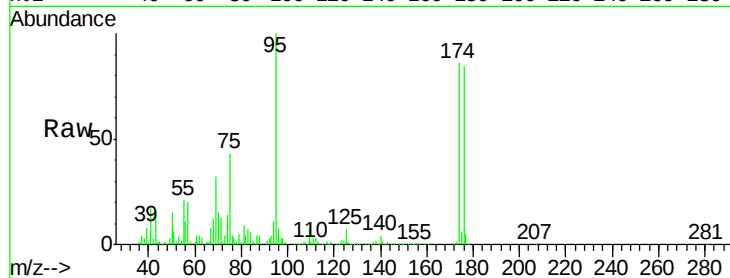
Tot Ion: 95 Resp: 528117

Ion Ratio Lower Upper

95 100

174 86.0 0.0 183.2

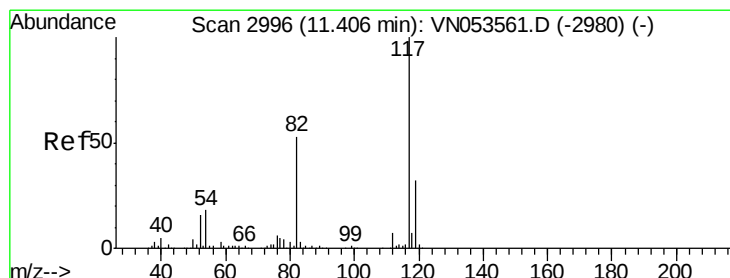
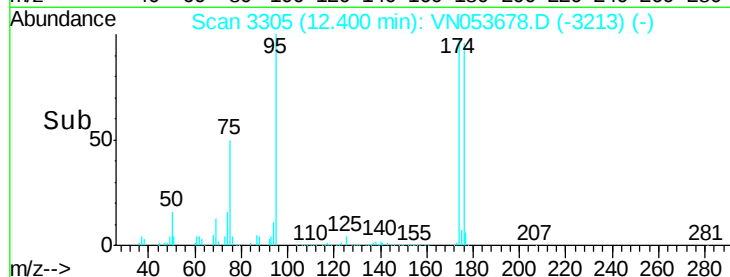
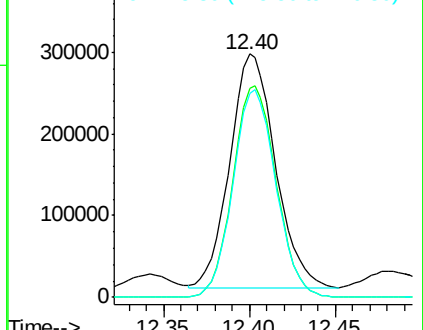
176 83.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

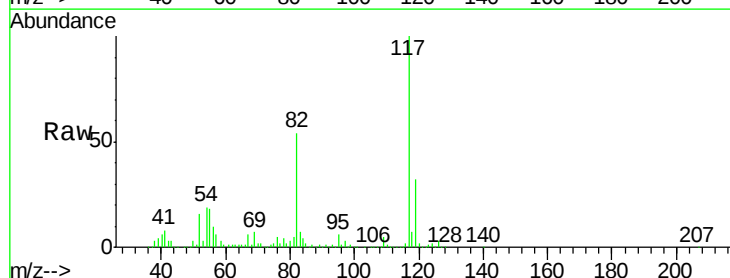
Tgt Ion: 117 Resp: 1055674

Ion Ratio Lower Upper

117 100

82 50.1 42.9 64.3

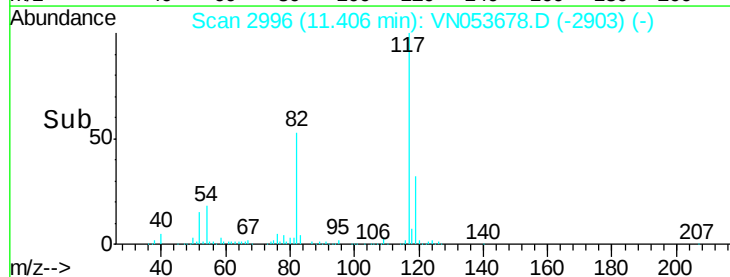
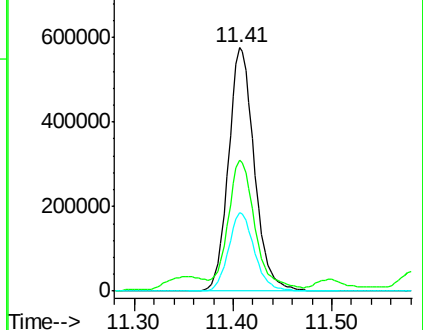
119 32.1 26.0 39.0

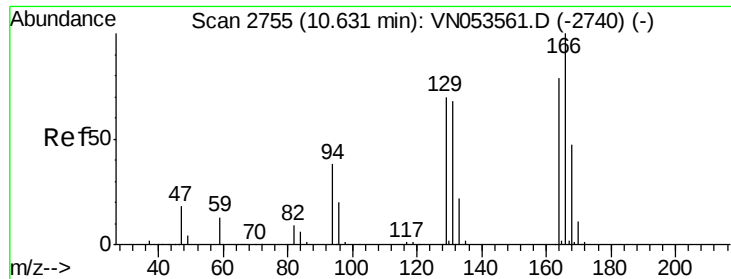


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

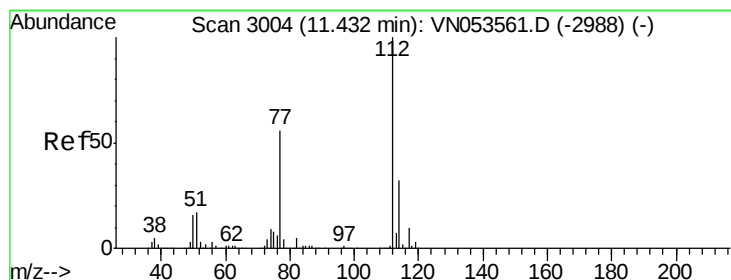
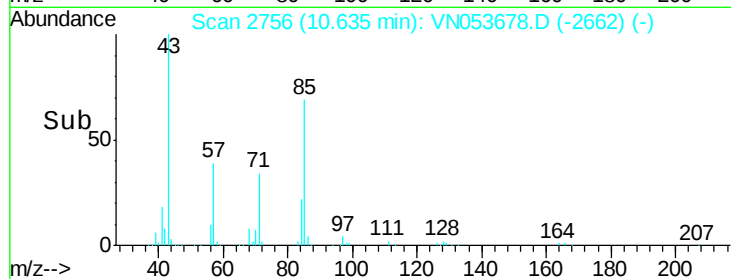
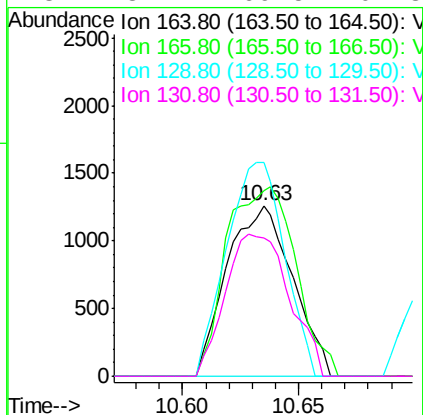
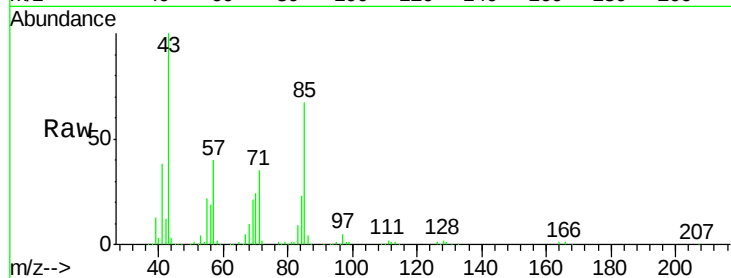




#64
Tetrachloroethene
Concen: 0.273 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

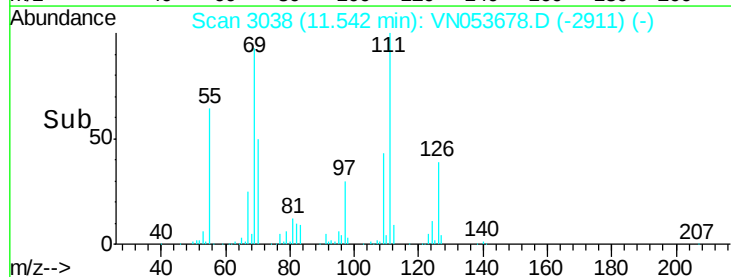
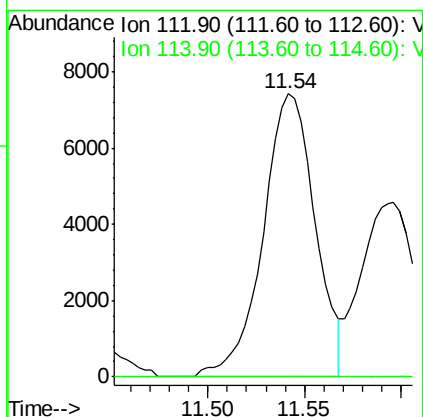
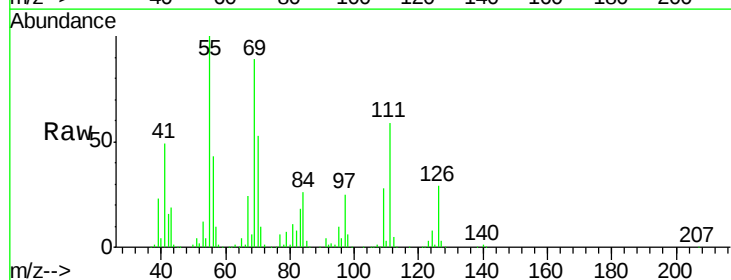
Instrument :
MSVOA_N
ClientSampled :

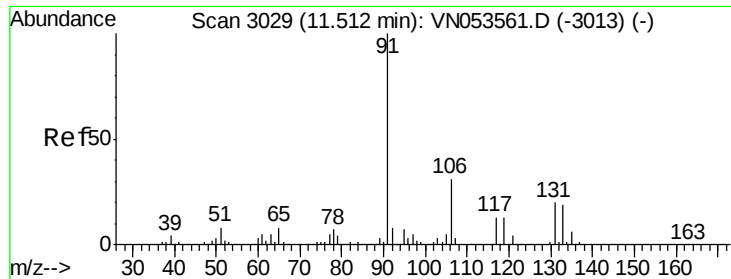
Tot Ion:164 Resp: 2466
Ion Ratio Lower Upper
164 100
166 109.0 102.2 153.4
129 125.0 72.6 109.0#
131 81.2 69.5 104.3



#65
Chlorobenzene
Concen: 0.618 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.11 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion:112 Resp: 13862
Ion Ratio Lower Upper
112 100
114 0.0 25.3 37.9#

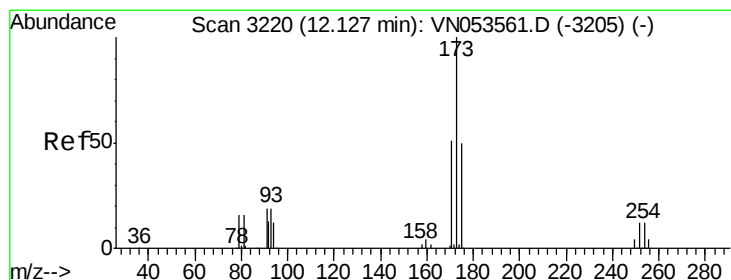
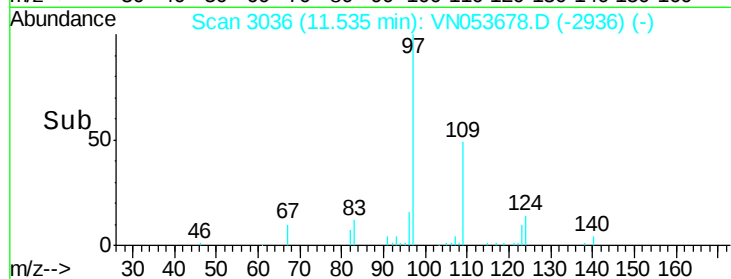
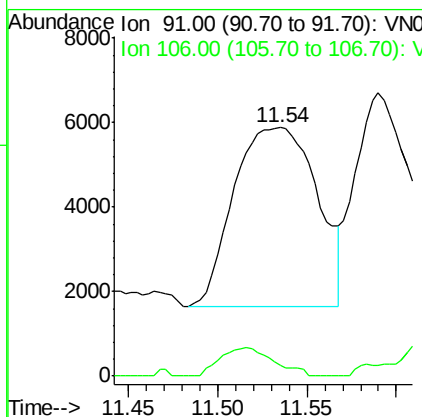
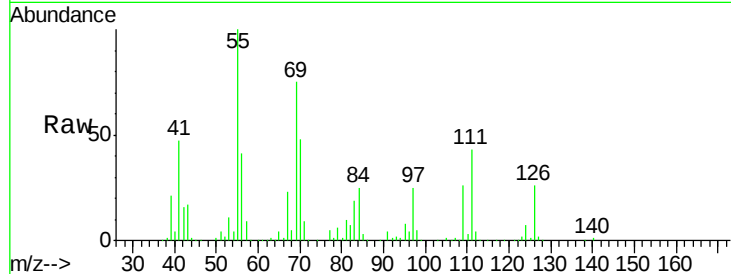




#67
Ethyl Benzene
Concen: 0.375 ug/l
RT: 11.54 min Scan# 3036
Delta R.T. 0.02 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

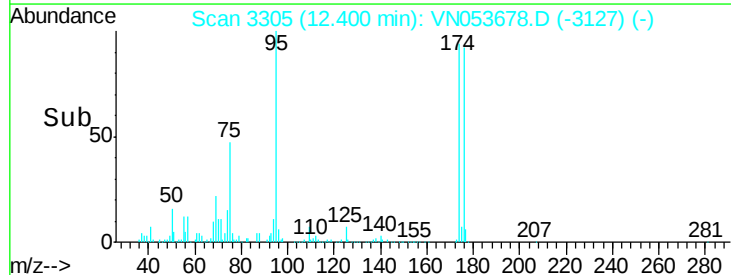
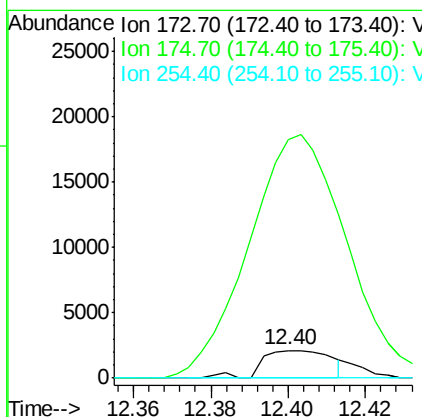
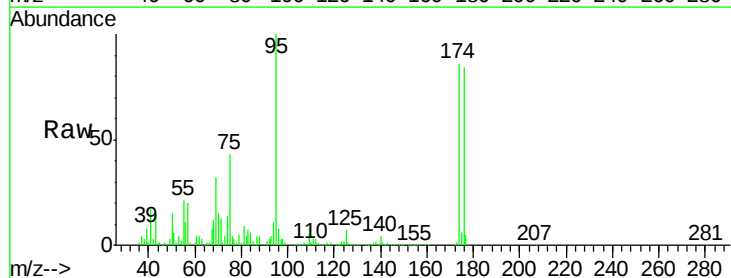
Instrument :
MSVOA_N
ClientSampled :

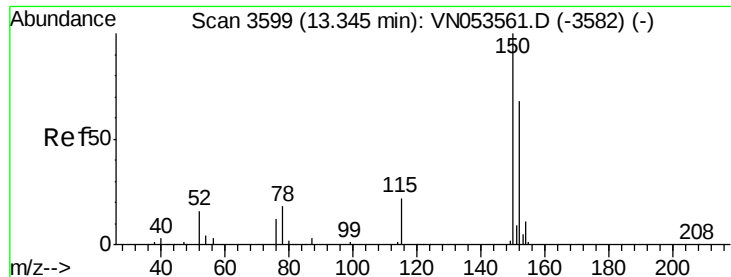
Tot Ion: 91 Resp: 13799
Ion Ratio Lower Upper
91 100
106 5.9 25.0 37.6#



#71
Bromoform
Concen: 0.498 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 173 Resp: 2676
Ion Ratio Lower Upper
173 100
175 1030.8 24.6 74.0#
254 0.0 0.2 0.2#



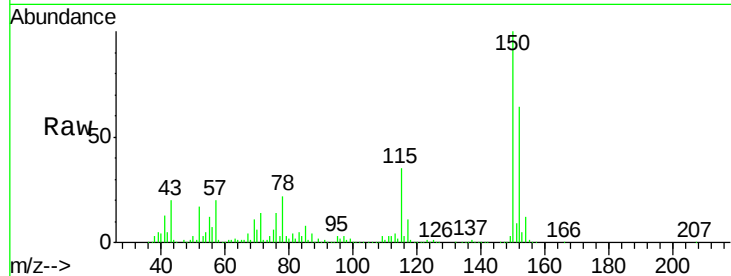


#72

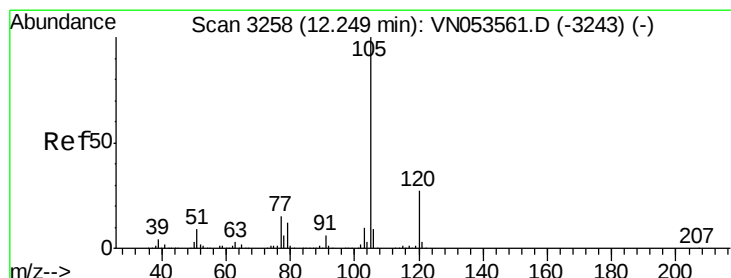
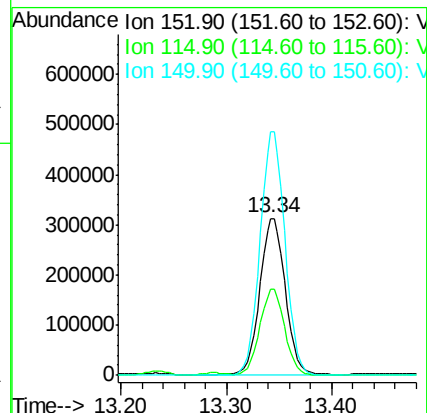
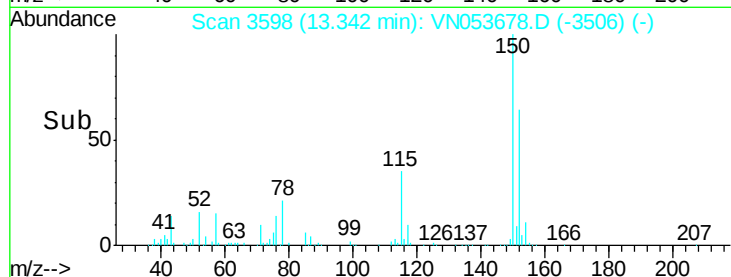
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 526435
Ion Ratio Lower Upper
152 100
115 53.7 27.8 83.4
150 151.6 0.0 349.0



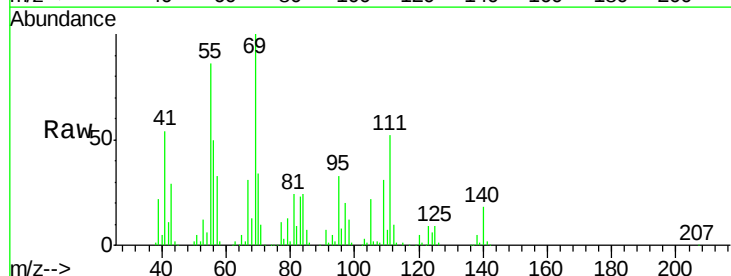
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



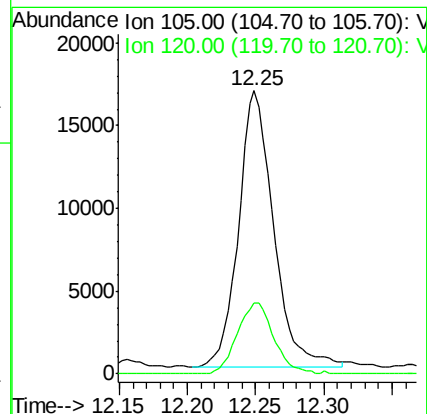
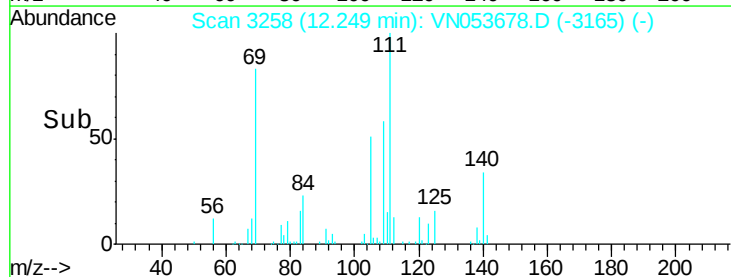
#73

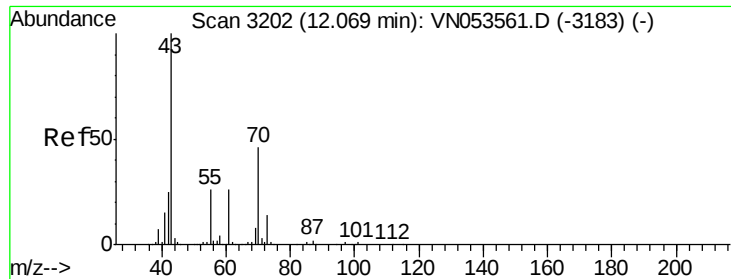
Isopropylbenzene
Concen: 0.810 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion:105 Resp: 29991
Ion Ratio Lower Upper
105 100
120 26.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 36.275 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 322820

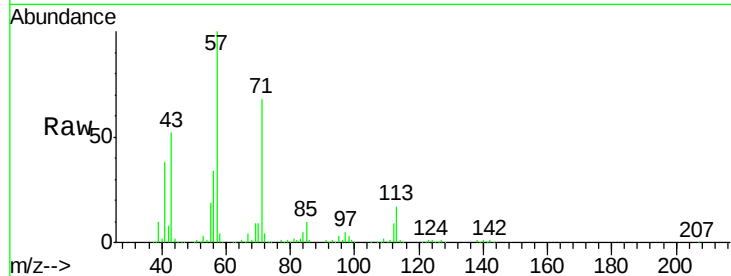
Ion Ratio Lower Upper

43 100

70 9.4 35.4 53.2#

55 0.0 20.9 31.3#

61 0.0 20.5 30.7#

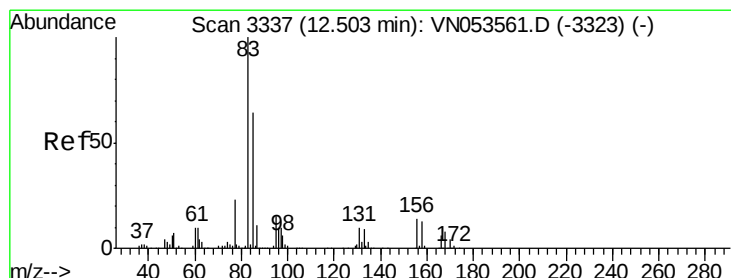
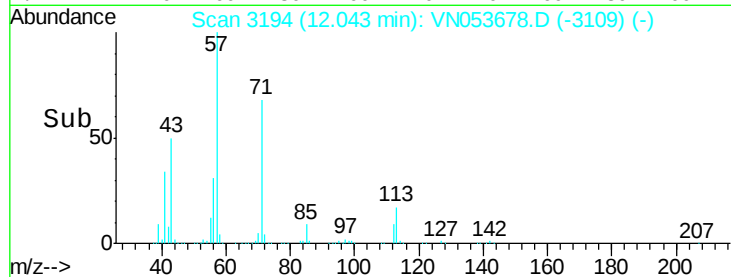
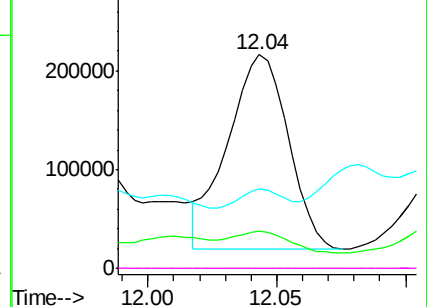


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.831 ug/l

RT: 12.49 min Scan# 3333

Delta R.T. -0.01 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

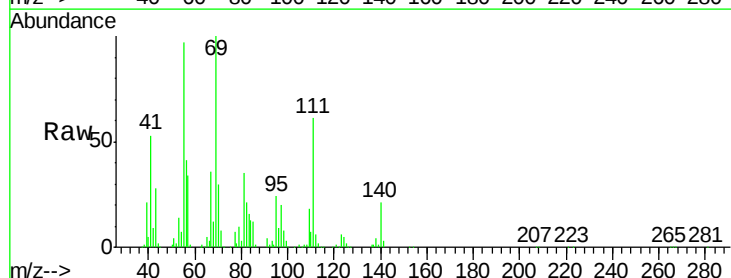
Tgt Ion: 83 Resp: 7362

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

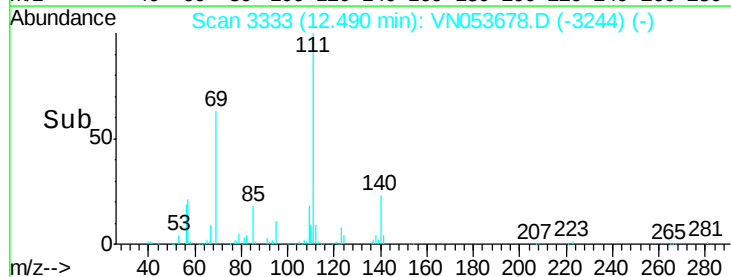
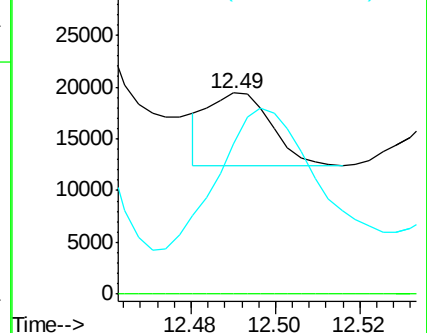
85 296.1 32.1 96.3#

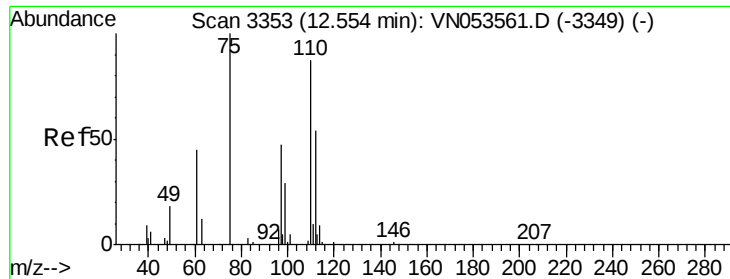


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.237 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053678.D

Acq: 8 Feb 2019 13:44

Instrument :

MSVOA_N

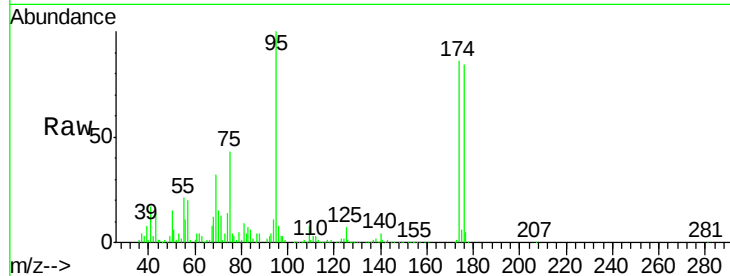
ClientSampled :

Tot Ion: 75 Resp: 224742

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

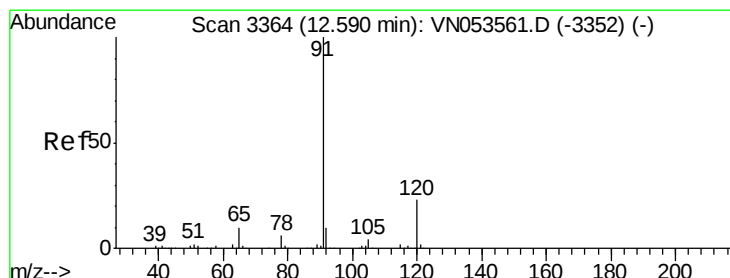
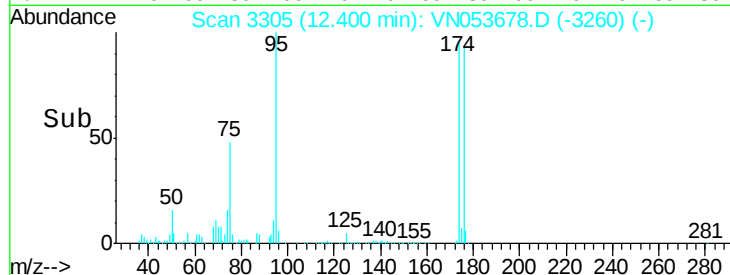
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 5.672 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053678.D

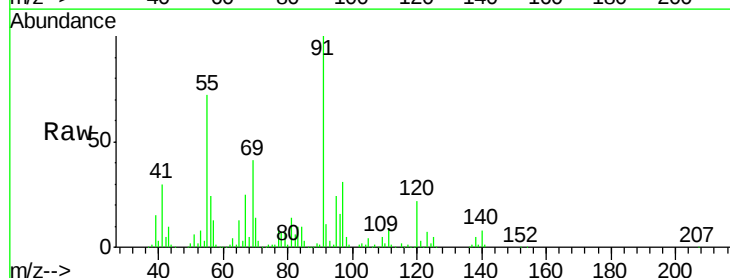
Acq: 8 Feb 2019 13:44

Tgt Ion: 91 Resp: 242658

Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

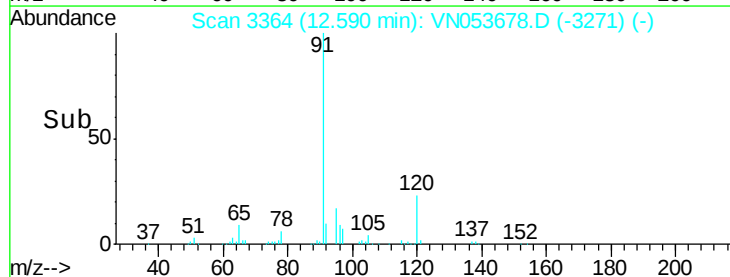
150000

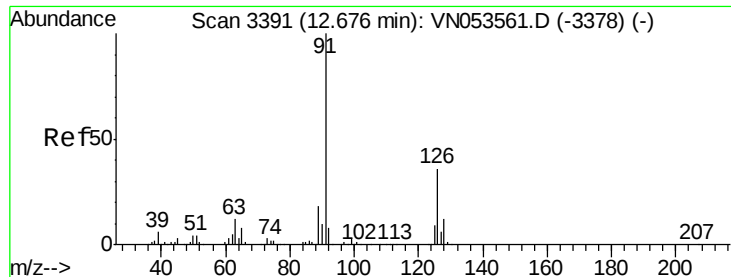
100000

50000

0

Time-->

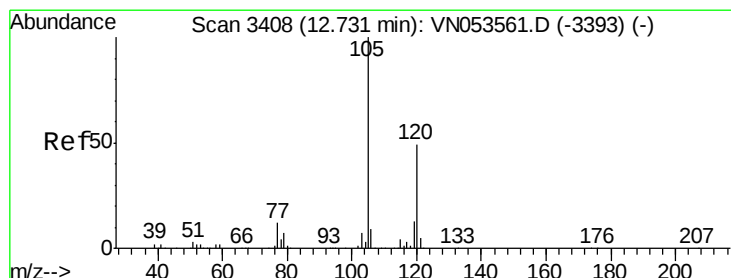
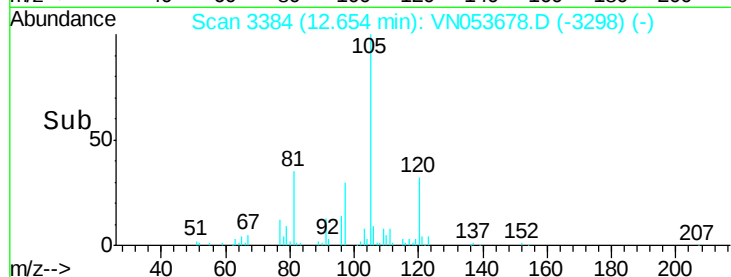
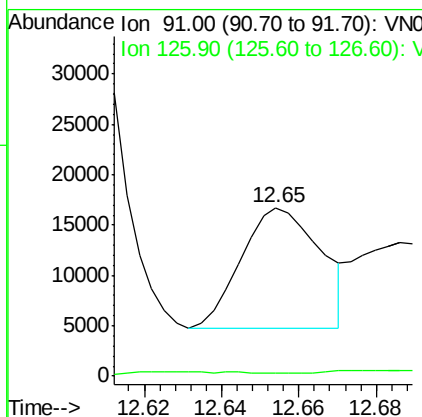
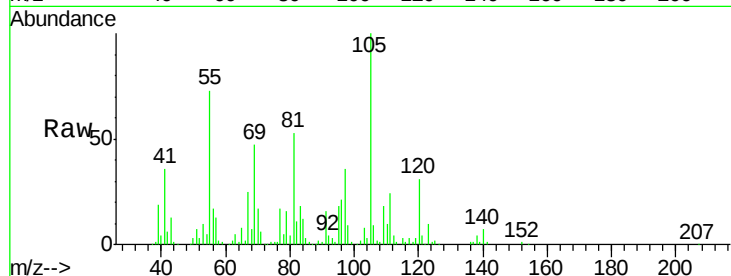




#79
 2-Chlorotoluene
 Concen: 0.676 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

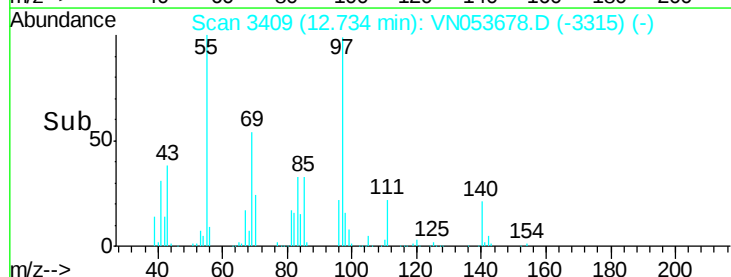
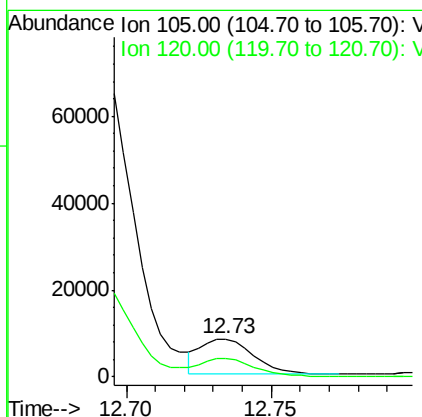
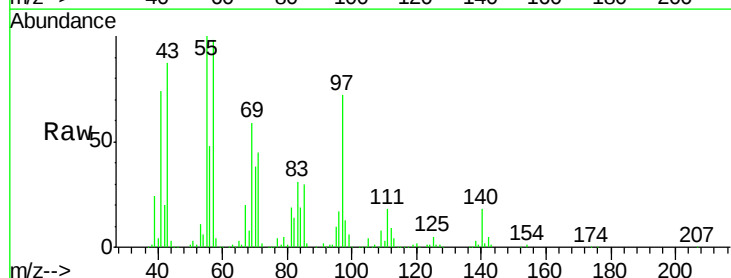
Instrument :
 MSVOA_N
 ClientSampled :

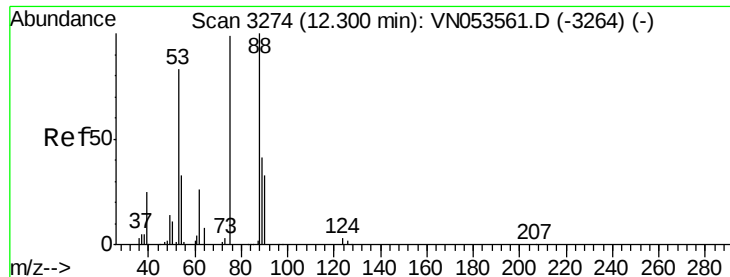
Tot Ion: 91 Resp: 17147
 Ion Ratio Lower Upper
 91 100
 126 1.5 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.322 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 105 Resp: 9878
 Ion Ratio Lower Upper
 105 100
 120 60.4 24.9 74.6

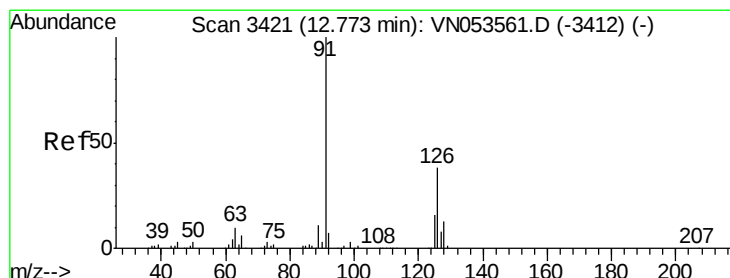
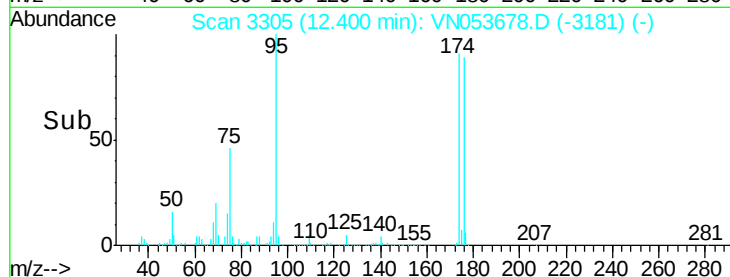
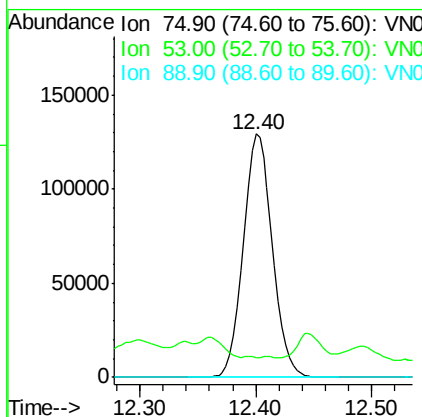
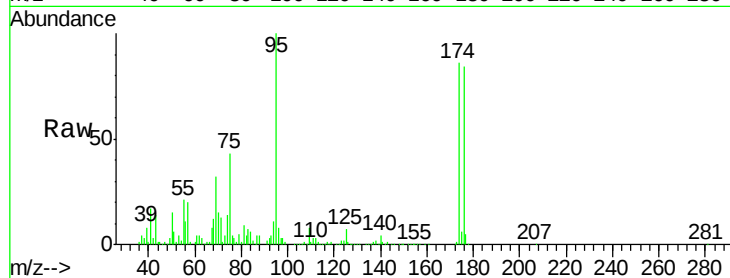




#81
trans-1,4-Dichloro-2-butene
Concen: 93.461 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

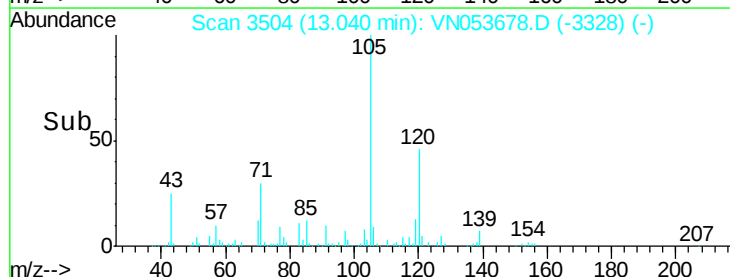
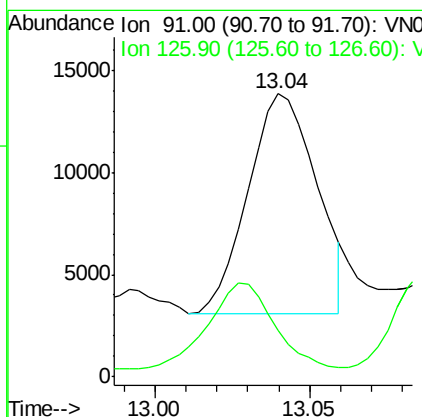
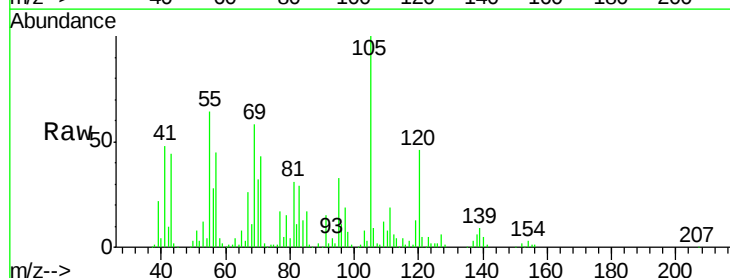
Instrument :
MSVOA_N
ClientSampleId :

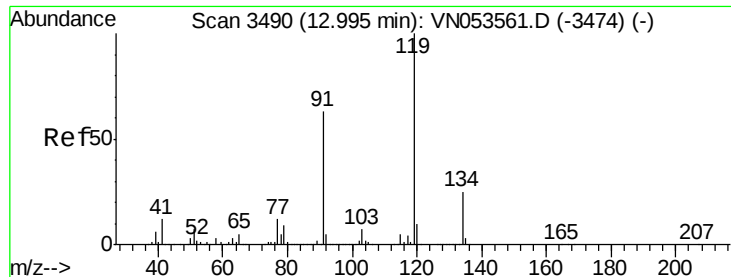
Tot Ion: 75 Resp: 224742
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.6#
89 0.1 35.6 53.4#



#82
4-Chlorotoluene
Concen: 0.631 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.27 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 91 Resp: 16445
Ion Ratio Lower Upper
91 100
126 38.1 17.6 52.9

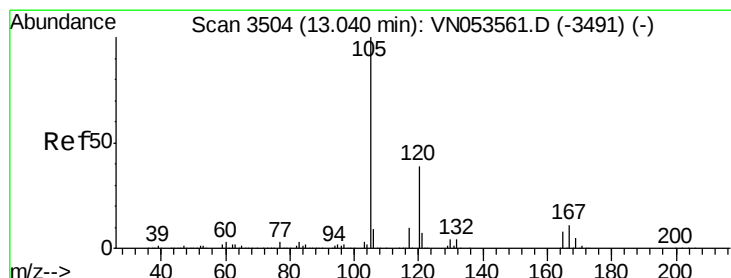
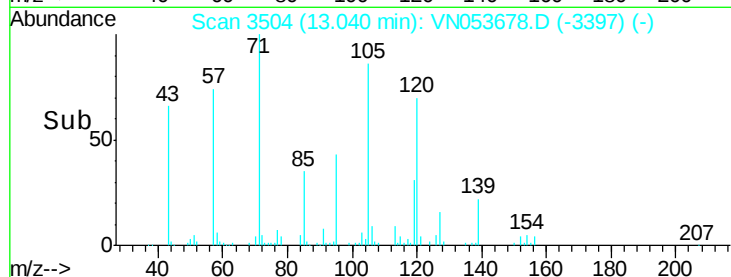
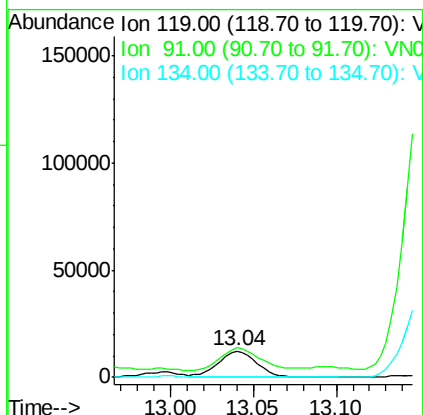
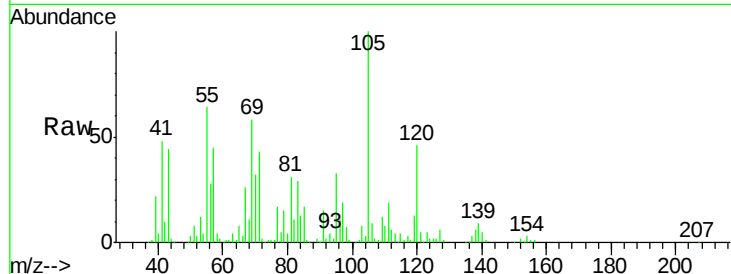




#83
tert-Butylbenzene
Concen: 0.719 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

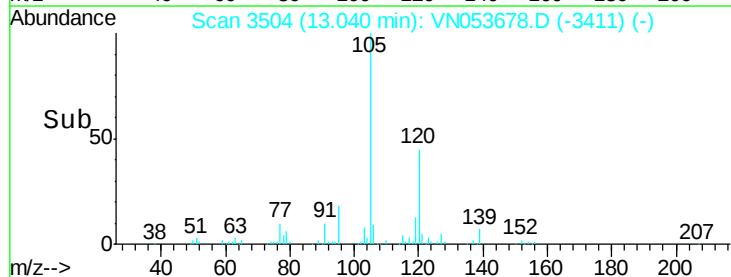
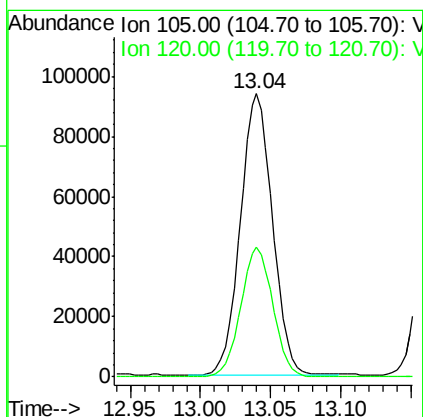
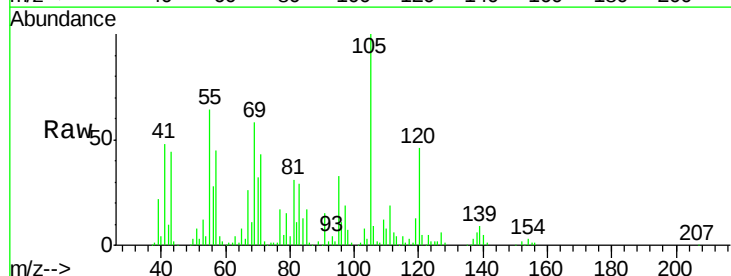
Instrument :
MSVOA_N
ClientSampled :

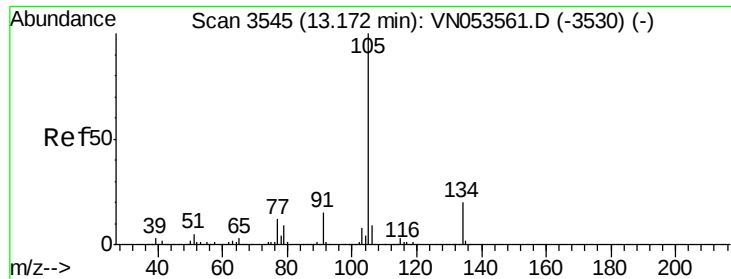
Tot Ion:119 Resp: 19491
Ion Ratio Lower Upper
119 100
91 93.5 31.3 93.8
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 4.797 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion:105 Resp: 149988
Ion Ratio Lower Upper
105 100
120 45.8 23.0 69.0

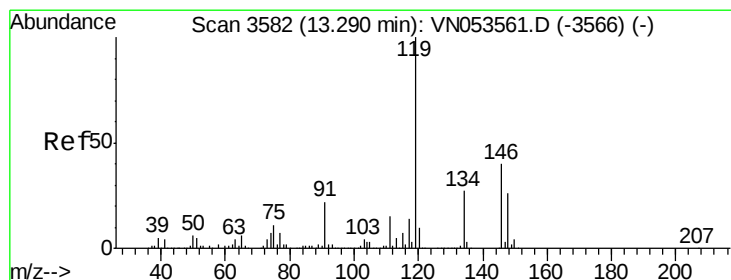
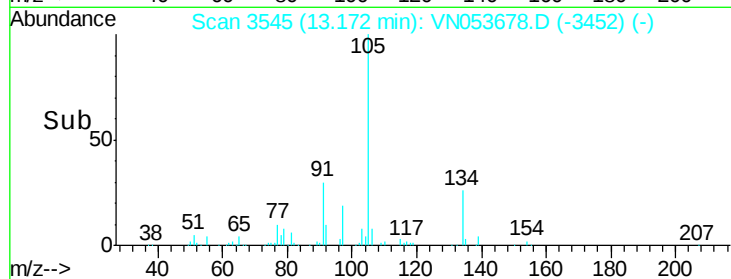
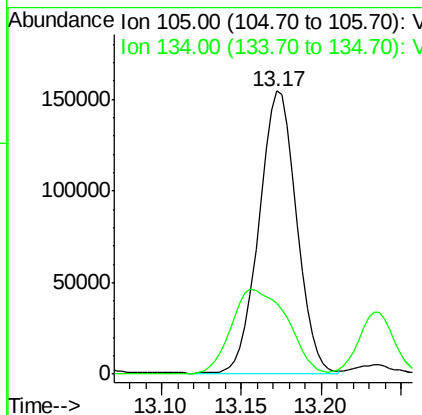
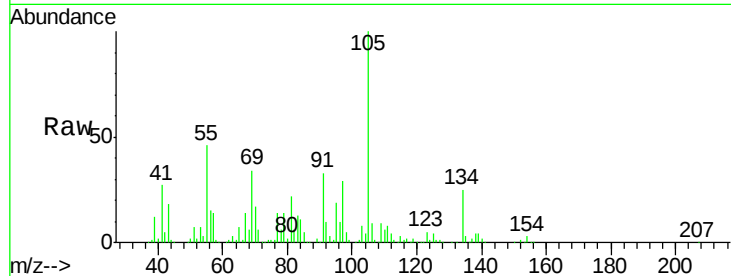




#85
 sec-Butylbenzene
 Concen: 6.741 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

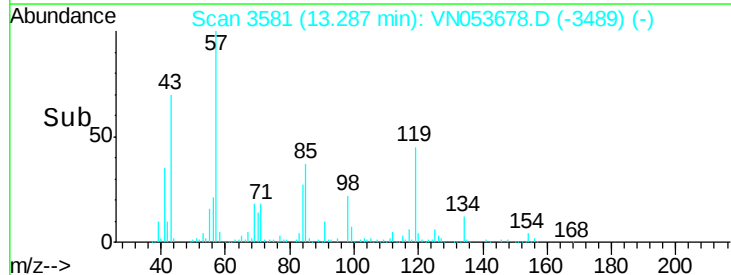
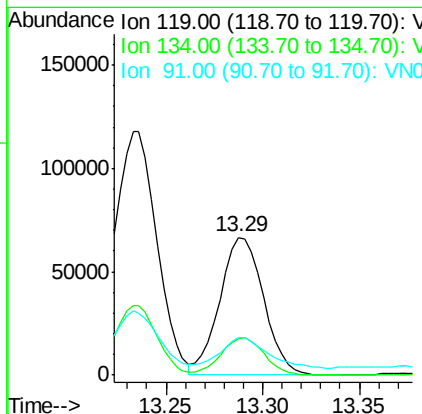
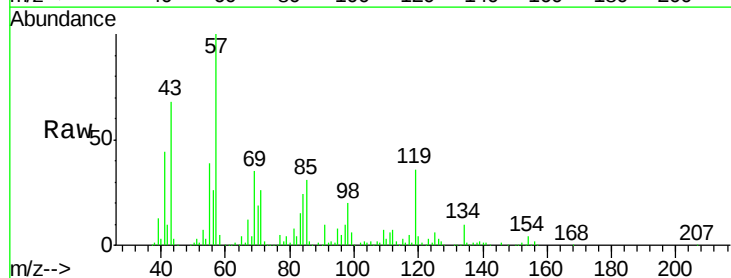
Instrument :
 MSVOA_N
 ClientSampleId :

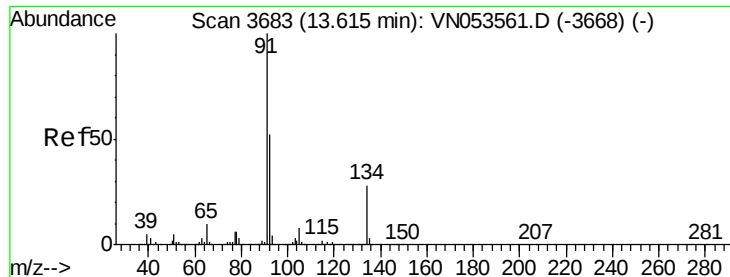
Tot Ion:105 Resp: 248797
 Ion Ratio Lower Upper
 105 100
 134 44.9 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 3.235 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion:119 Resp: 104417
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 23.1 11.0 33.0

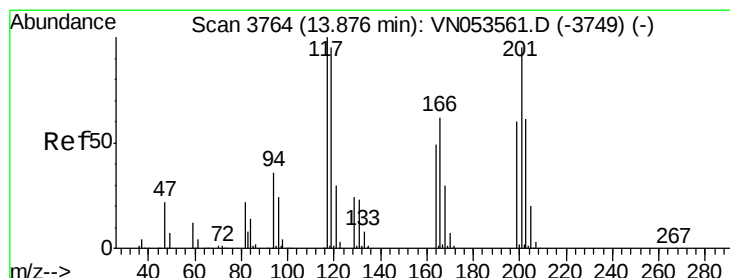
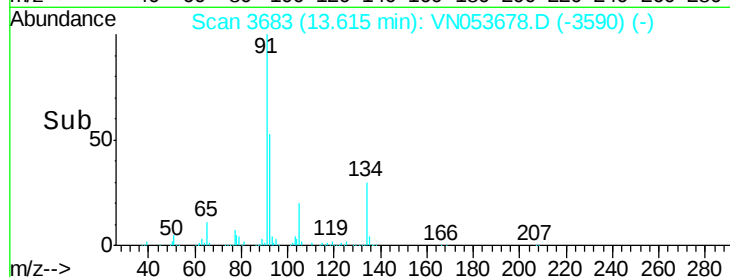
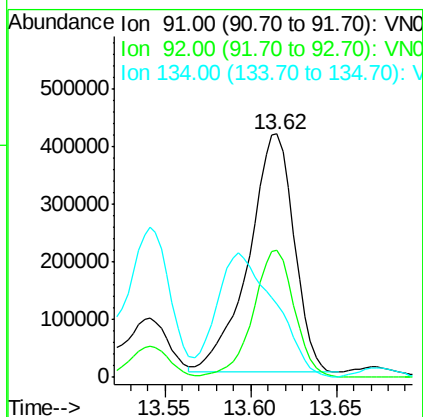
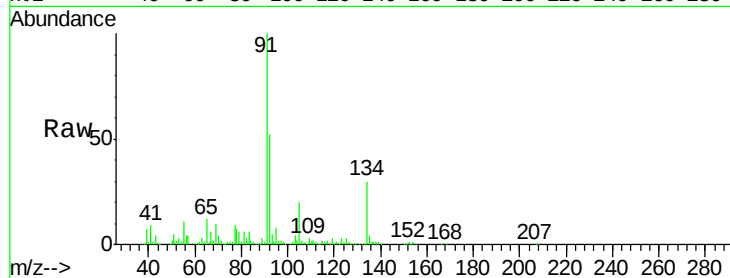




#89
n-Butylbenzene
Concen: 27.111 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

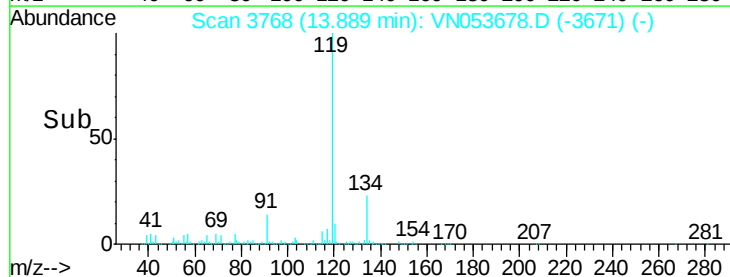
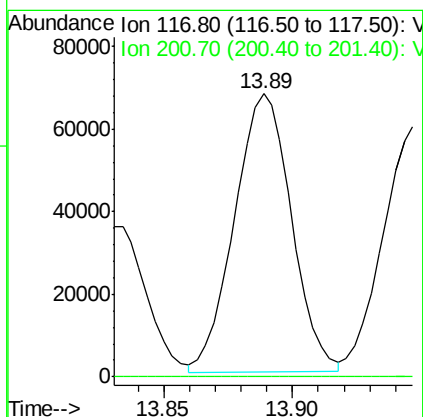
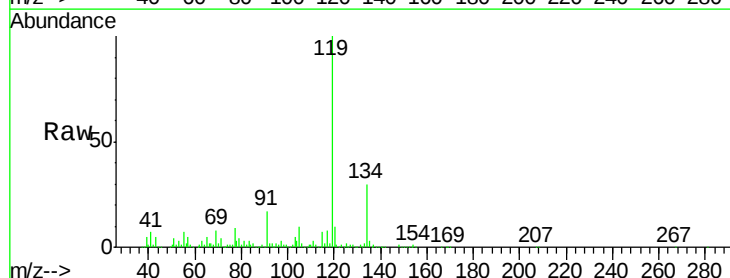
Instrument :
MSVOA_N
ClientSampled :

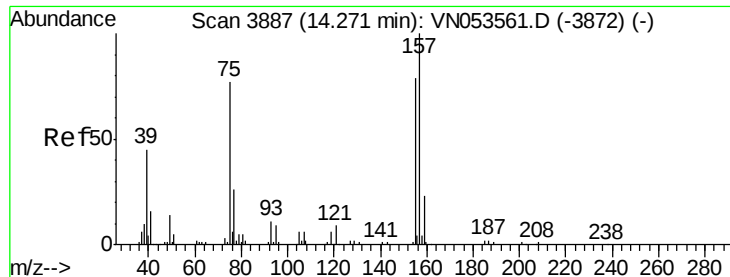
Tot Ion: 91 Resp: 757505
Ion Ratio Lower Upper
91 100
92 47.3 26.3 78.8
134 0.0 13.5 40.5#



#90
Hexachloroethane
Concen: 19.544 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN053678.D
Acq: 8 Feb 2019 13:44

Tgt Ion: 117 Resp: 104065
Ion Ratio Lower Upper
117 100
201 0.0 46.8 140.4#

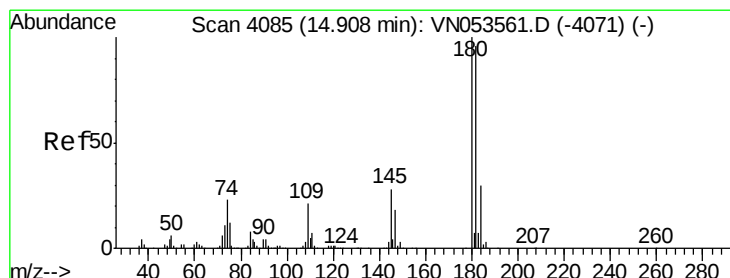
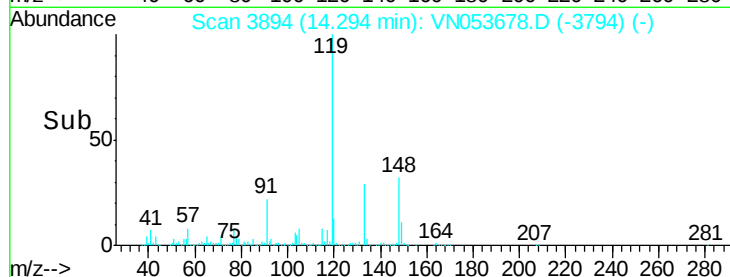
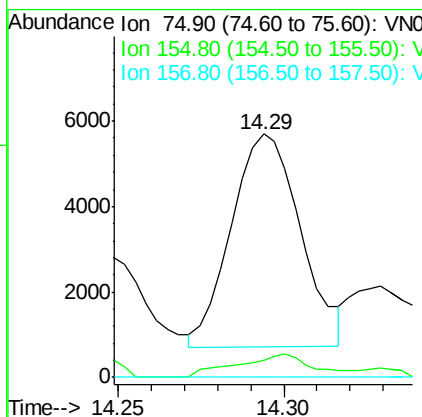
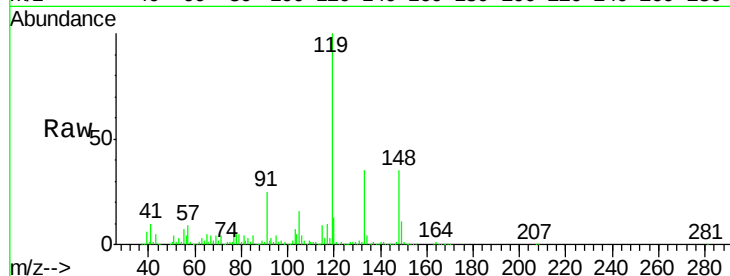




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.721 ug/l
 RT: 14.29 min Scan# 3894
 Delta R.T. 0.02 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

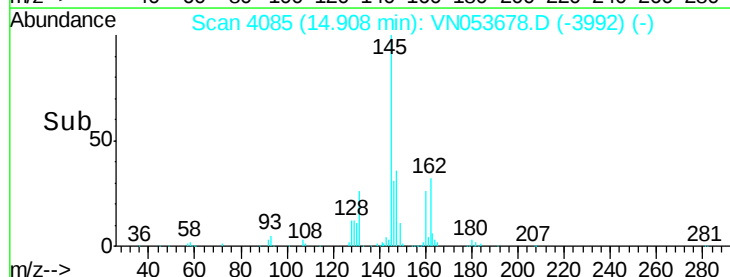
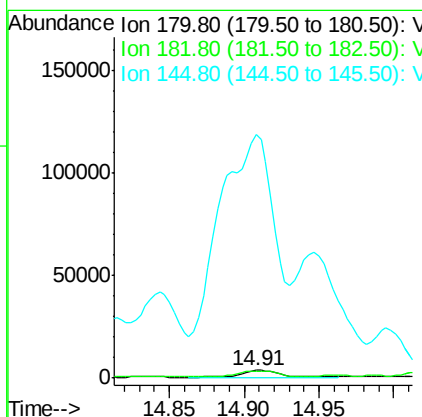
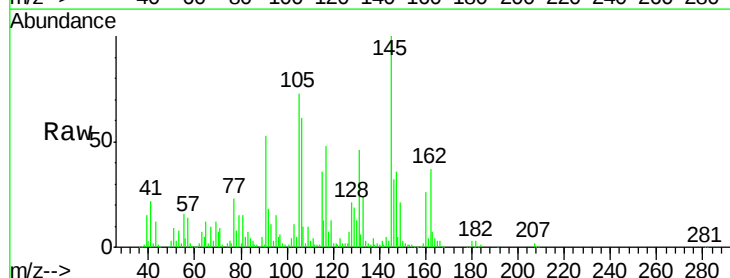
Instrument :
 MSVOA_N
 ClientSampleId :

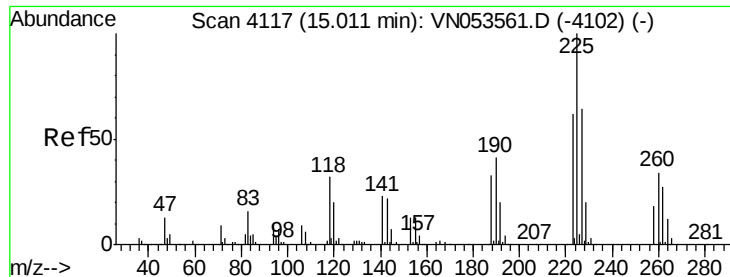
Tot Ion: 75 Resp: 7221
 Ion Ratio Lower Upper
 75 100
 155 11.9 48.9 146.7#
 157 0.0 63.7 191.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.625 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Tgt Ion: 180 Resp: 6156
 Ion Ratio Lower Upper
 180 100
 182 84.5 48.1 144.3
 145 5100.4 13.9 41.6#





#94

Hexachlorobutadiene

Concen: 0.271 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053678.D

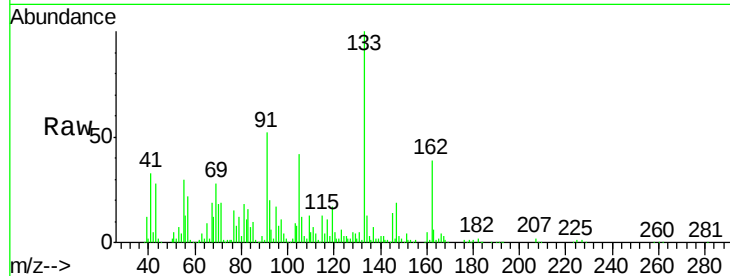
Acq: 8 Feb 2019 13:44

Instrument :

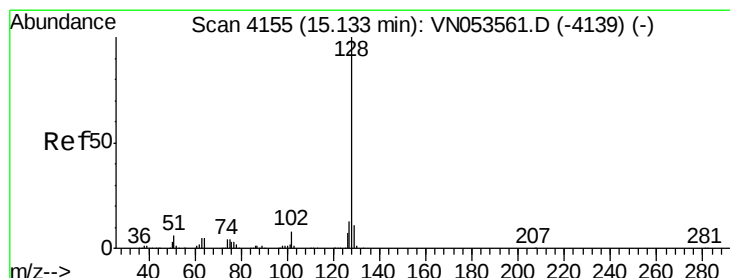
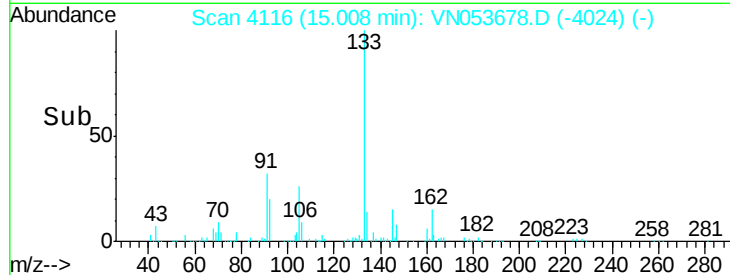
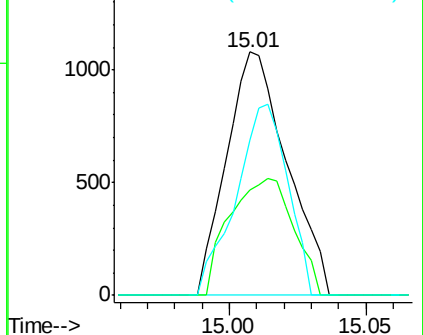
MSVOA_N

ClientSampled :

Tot Ion:	225	Resp:	1660
Ion	Ratio	Lower	Upper
225	100		
223	51.0	31.1	93.2
227	67.0	32.0	96.2



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



#95

Naphthalene

Concen: 3.676 ug/l

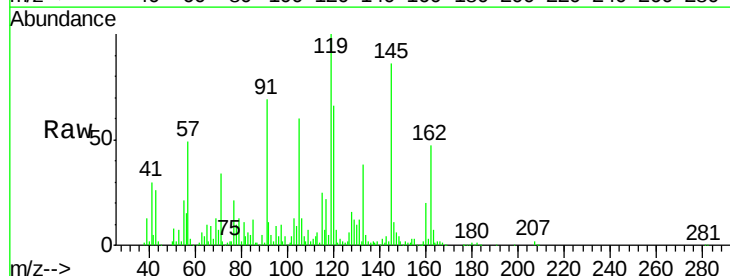
RT: 15.11 min Scan# 4147

Delta R.T. -0.02 min

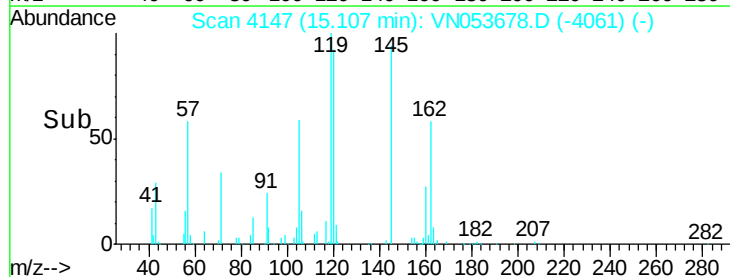
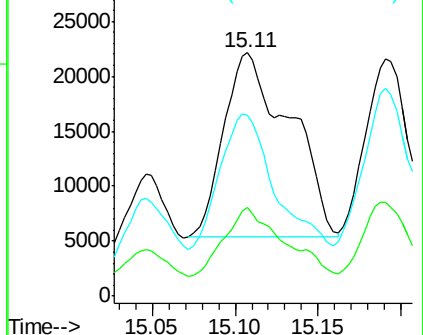
Lab File: VN053678.D

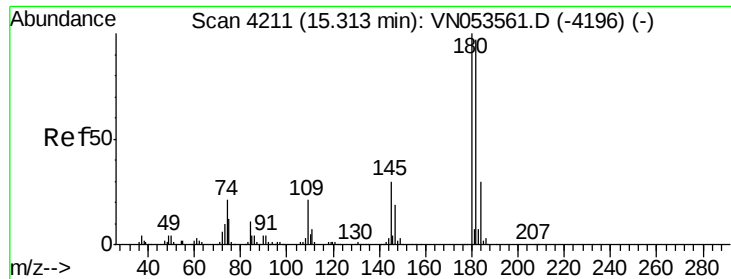
Acq: 8 Feb 2019 13:44

Tgt Ion:	128	Resp:	46477
Ion	Ratio	Lower	Upper
128	100		
127	33.0	10.3	15.5#
129	60.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.743 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053678.D
 Acq: 8 Feb 2019 13:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 6785
 Ion Ratio Lower Upper
 180 100
 182 80.0 47.9 143.8
 145 3724.4 14.7 44.1#

