

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061135.D
 Acq On : 22 Apr 2020 18:24
 Operator : JC/MD
 Sample : L2271-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 07:36:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	174576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	284000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	267185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	125007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.77	65	106971	46.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.42%	
35) Dibromofluoromethane	7.32	113	80573	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
50) Toluene-d8	9.88	98	343276	49.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.21	95	132544	50.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.92%	

Target Compounds

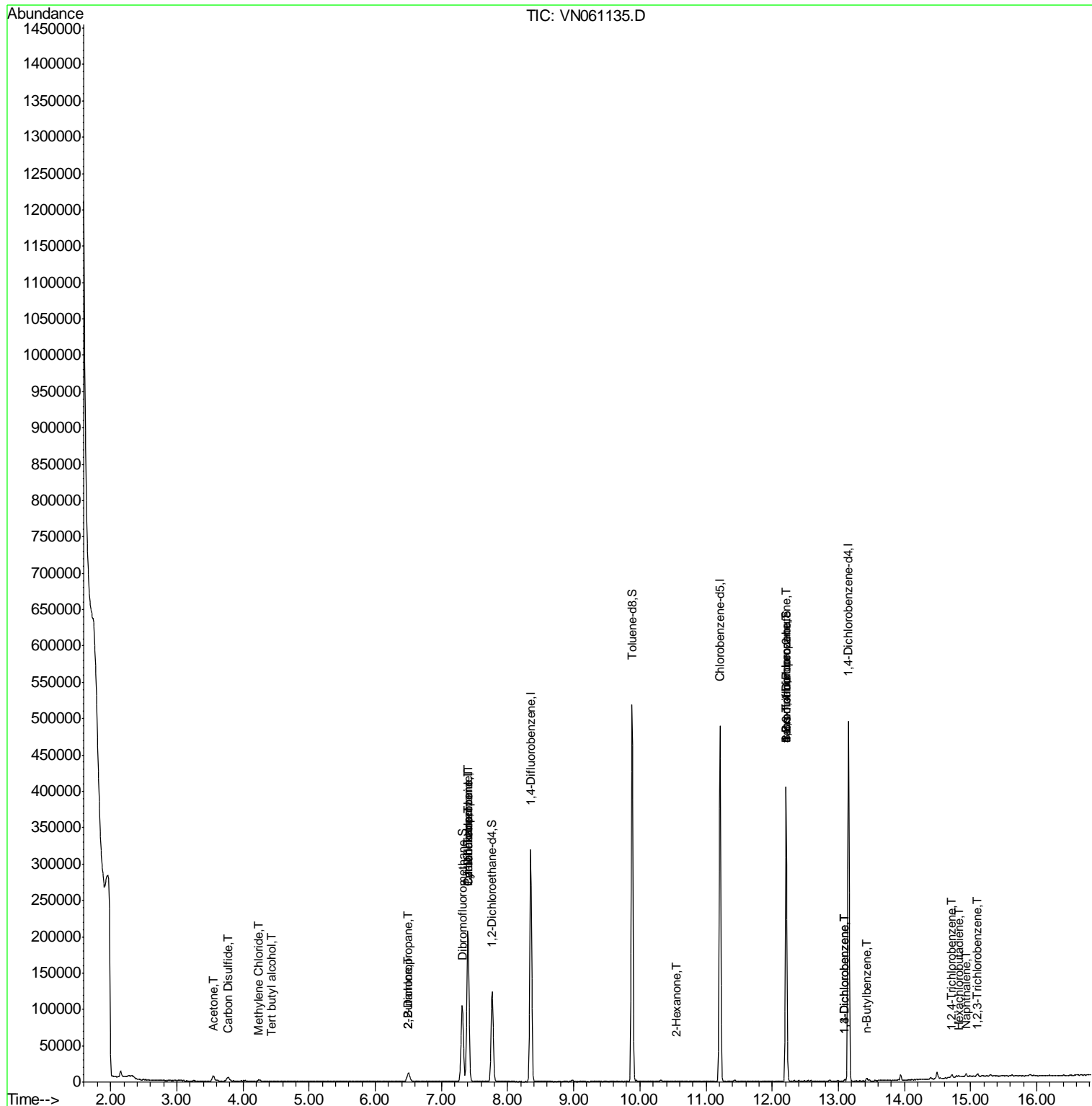
					Qvalue	
11) Tert butyl alcohol	4.43	59	60	0.201	ug/l #	72
14) Allyl chloride	4.03	41	62	Below Cal	#	20
16) Acetone	3.55	43	12466	2.011	ug/l	100
17) Carbon Disulfide	3.79	76	1979	0.379	ug/l #	75
18) Methyl Acetate	3.86	43	109	Below Cal	#	51
20) Methylene Chloride	4.24	84	698	0.345	ug/l #	85
25) 2-Butanone	6.49	43	342	0.271	ug/l #	49
26) 2,2-Dichloropropane	6.50	77	779	0.245	ug/l #	53
31) Cyclohexane	7.40	56	3606	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.40	75	13207	4.758	ug/l #	48
38) Carbon Tetrachloride	7.40	117	16774	6.903	ug/l #	16
49) 1,4-Dioxane	8.97	88	1460	Below Cal	#	84
59) 2-Hexanone	10.56	43	832	0.408	ug/l #	25
71) Bromoform	12.21	173	634	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.21	75	67378	23.367	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.21	75	67378	61.366	ug/l #	12
87) 1,3-Dichlorobenzene	13.09	146	983	0.241	ug/l	87
88) 1,4-Dichlorobenzene	13.09	146	983	0.237	ug/l	88
89) n-Butylbenzene	13.43	91	2308	0.308	ug/l	97
93) 1,2,4-Trichlorobenzene	14.71	180	1382	0.545	ug/l	97
94) Hexachlorobutadiene	14.82	225	628	0.567	ug/l	96
95) Naphthalene	14.93	128	3676	0.469	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.11	180	1182	0.485	ug/l	98

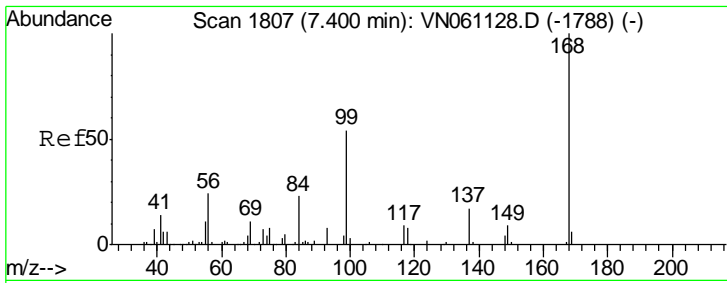
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
 MSVOA_V
 Client Sampled :

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 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

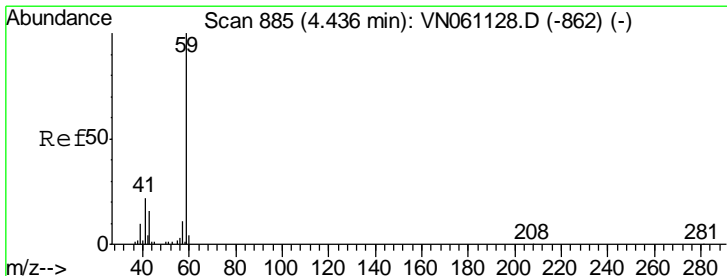
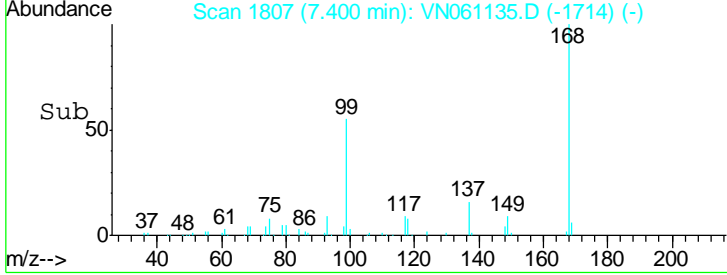
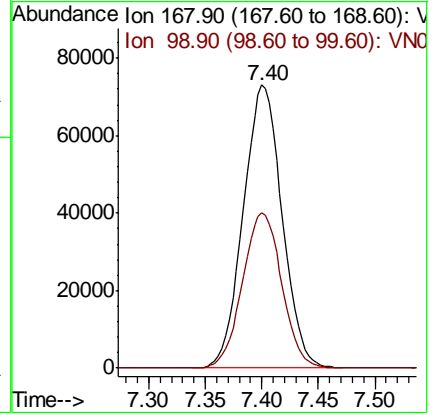
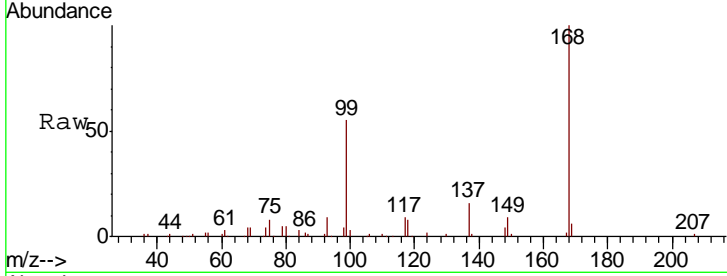




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.40 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

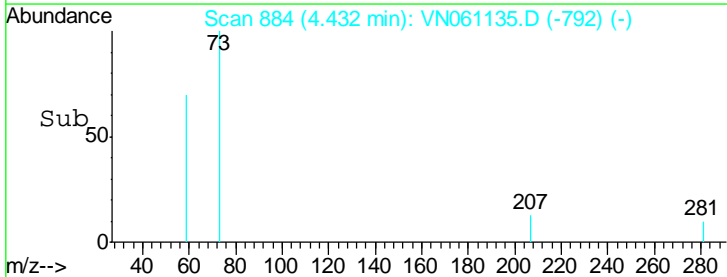
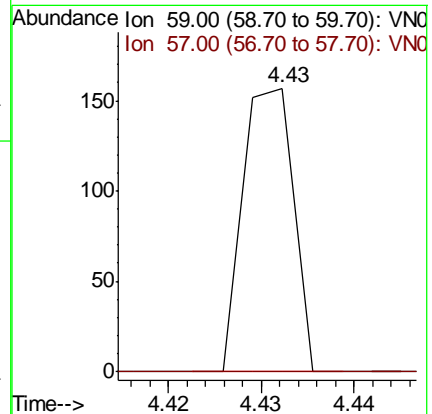
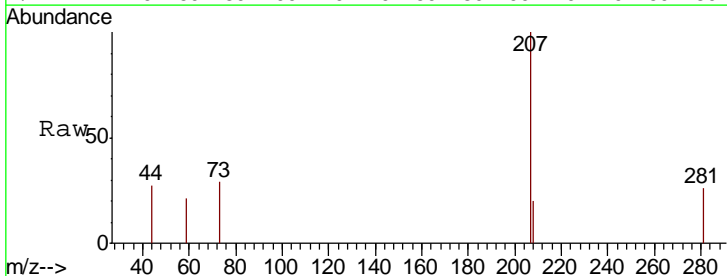
Instrument : MSVOA_V
 ClientSampled :

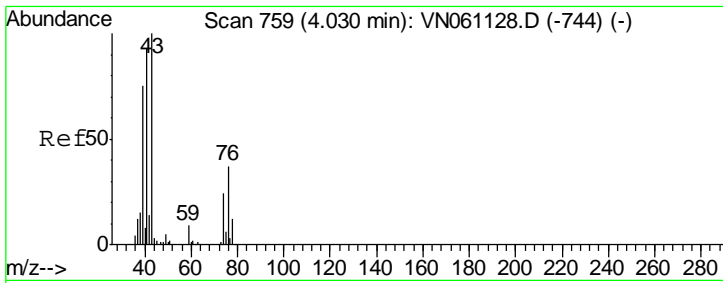
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.7	44.3	66.5



#11
 Tert butyl alcohol
 Concen: 0.201 ug/l
 RT: 4.43 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	8.2	12.4#

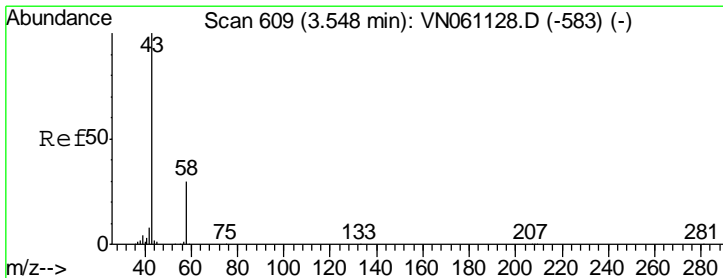
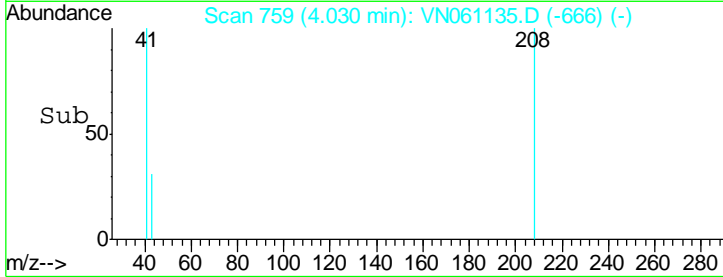
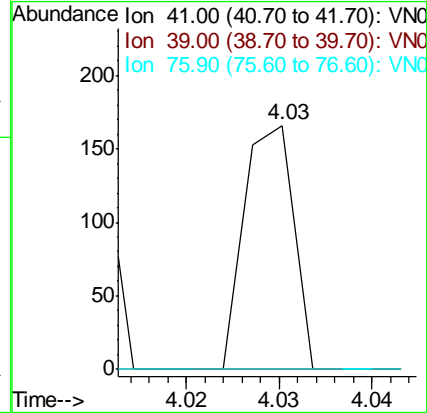
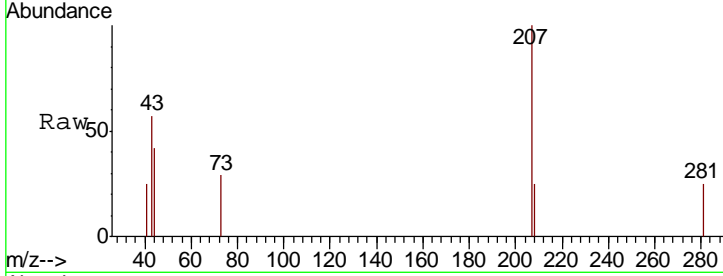




#14
 Allvl chloride
 Concen: Below Cal
 RT: 4.03 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

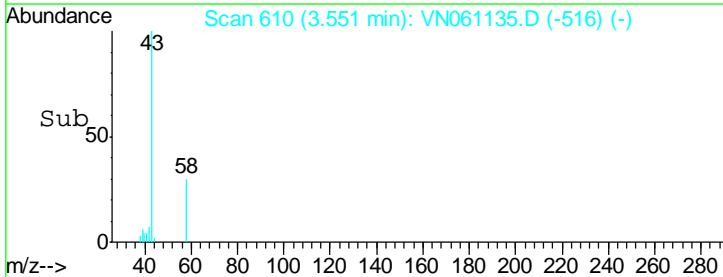
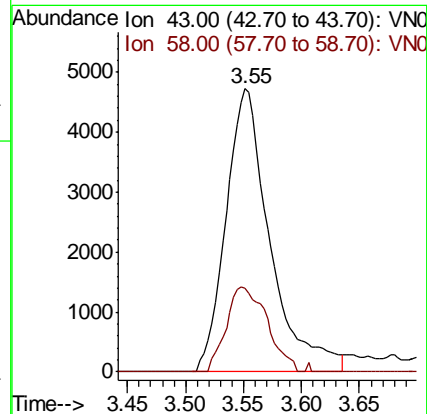
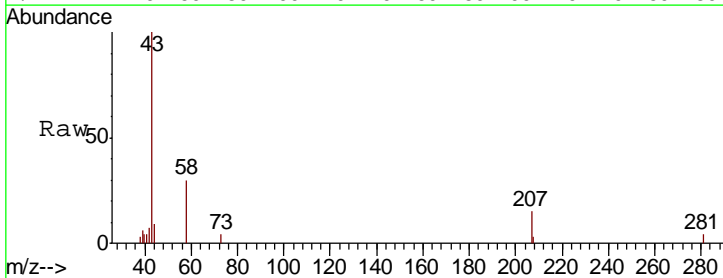
Instrument : MSVOA_V
 ClientSampled :

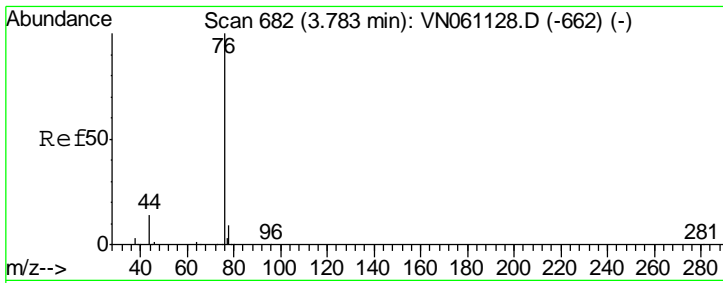
Tgt Ion	Resp	Lower	Upper
41	100		
39	0.0	61.0	91.4#
76	0.0	28.9	43.3#



#16
 Acetone
 Concen: 2.011 ug/l
 RT: 3.55 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.7	23.6	35.4

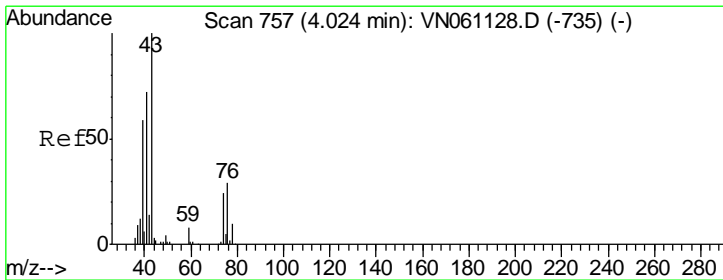
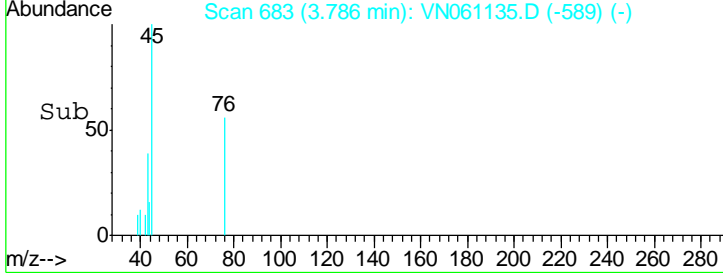
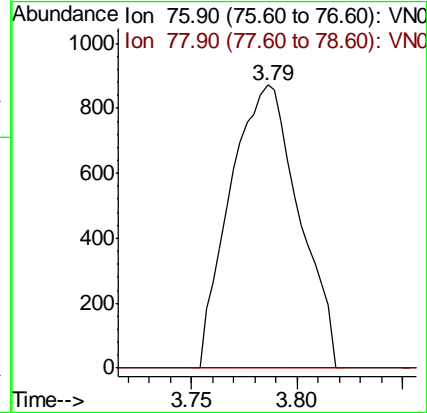
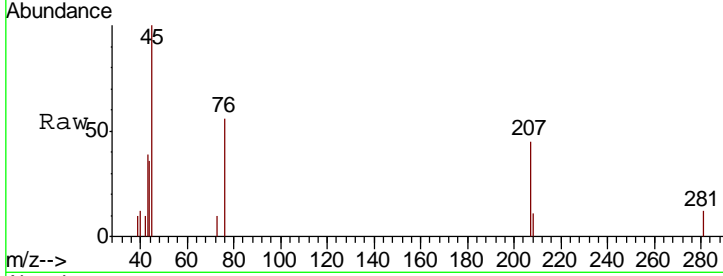




#17
 Carbon Disulfide
 Concen: 0.379 ug/l
 RT: 3.79 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

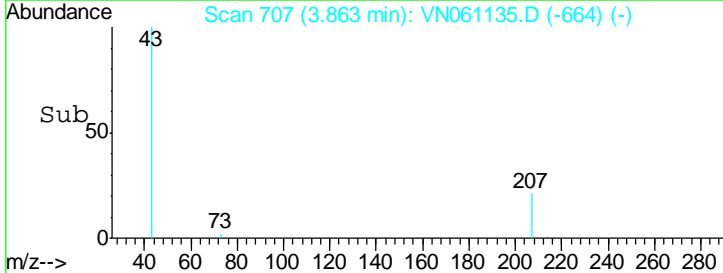
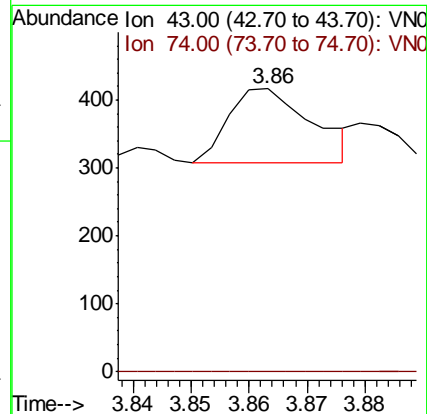
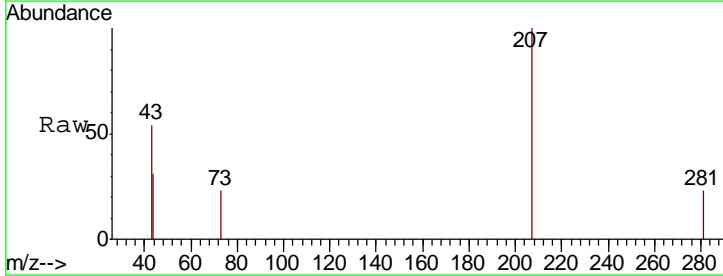
Instrument :
 MSVOA_V
 ClientSampled :

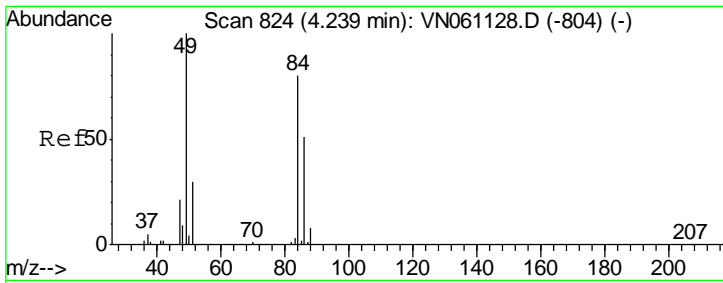
Tgt Ion: 76 Resp: 1979
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.2 10.8#



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 3.86 min Scan# 707
 Delta R.T. -0.16 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion: 43 Resp: 109
 Ion Ratio Lower Upper
 43 100
 74 0.0 19.4 29.0#

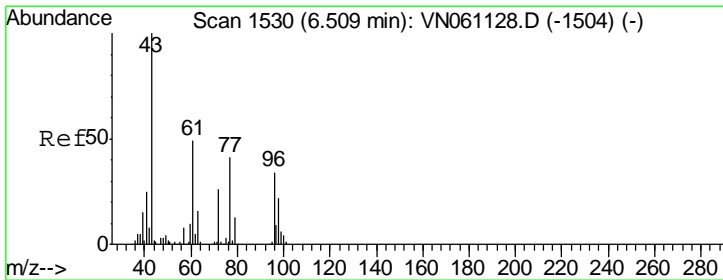
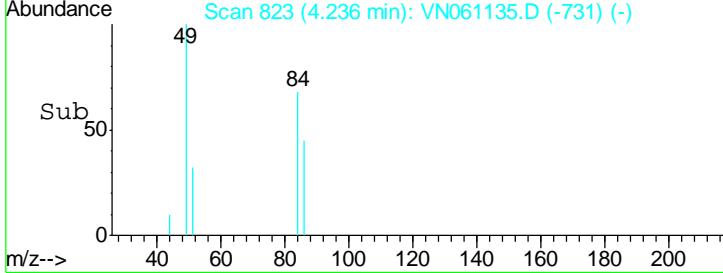
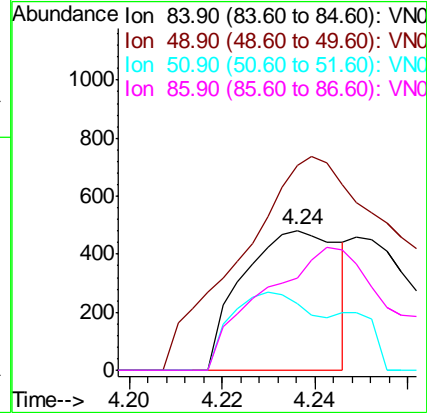
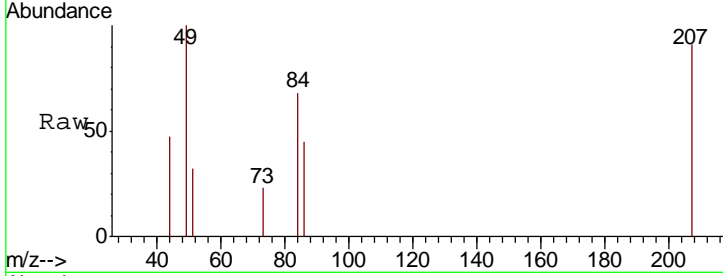




#20
 Methylene Chloride
 Concen: 0.345 ug/l
 RT: 4.24 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

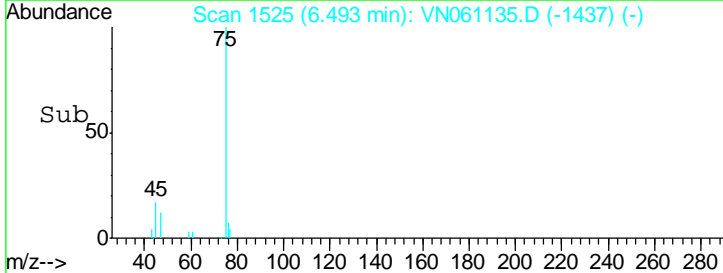
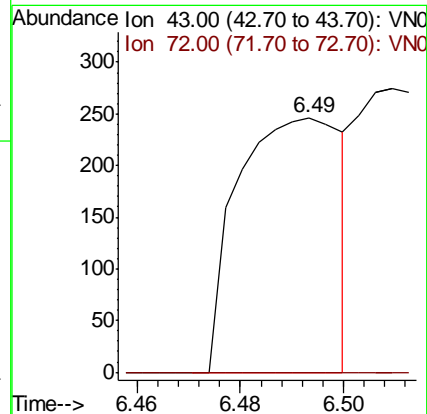
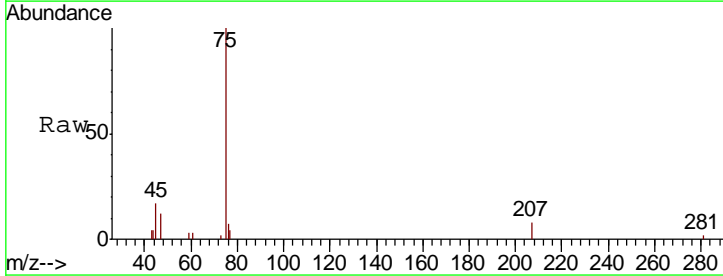
Instrument :
 MSVOA_V
 ClientSampled :

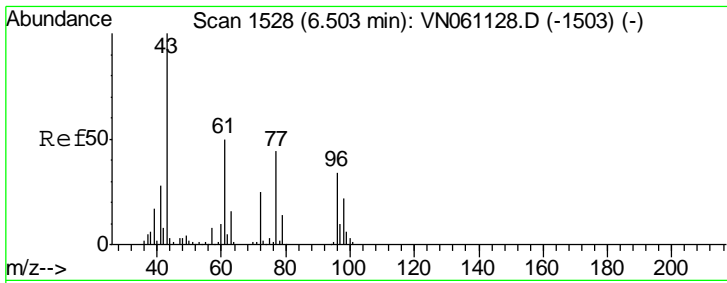
Tgt Ion	Resp	Lower	Upper
84	100		
49	101.7	99.8	149.6
51	47.3	29.9	44.9#
86	65.8	50.9	76.3



#25
 2-Butanone
 Concen: 0.271 ug/l
 RT: 6.49 min Scan# 1525
 Delta R.T. -0.02 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	20.8	31.2#

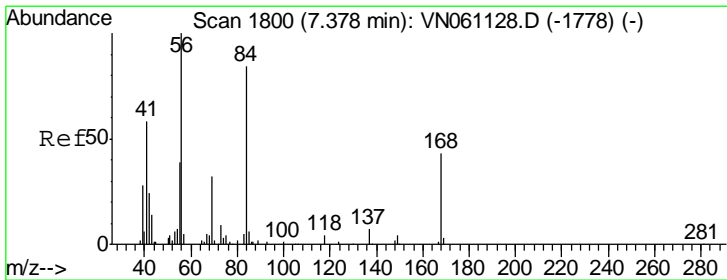
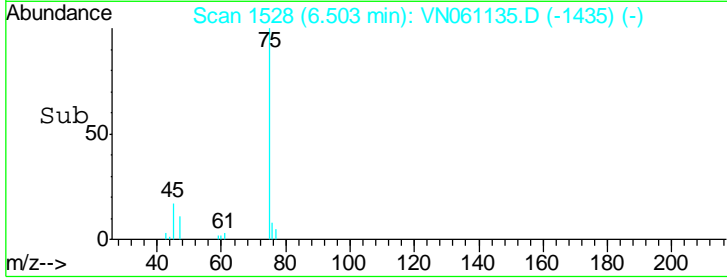
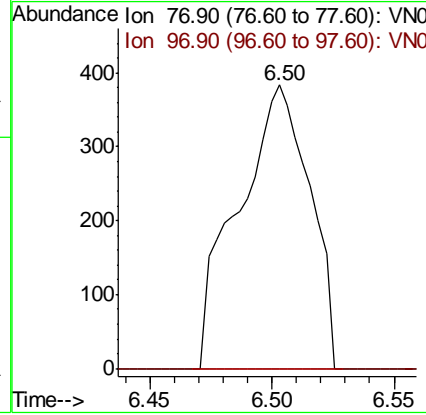
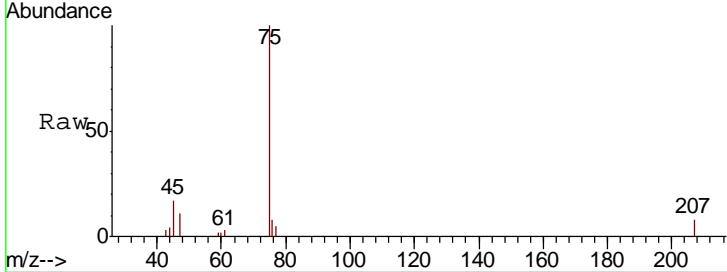




#26
 2,2-Dichloropropane
 Concen: 0.245 ug/l
 RT: 6.50 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

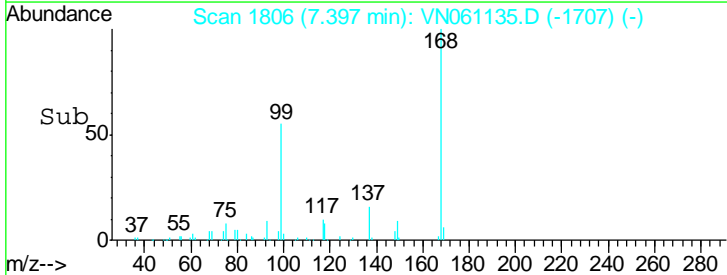
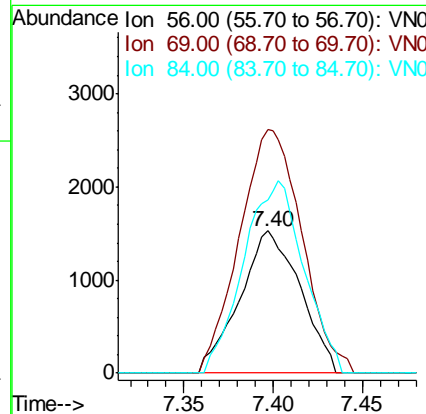
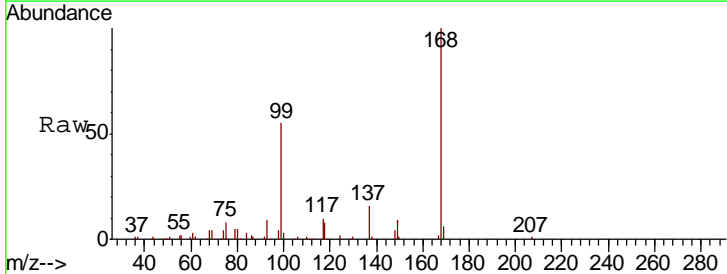
Instrument :
 MSVOA_V
 ClientSampled :

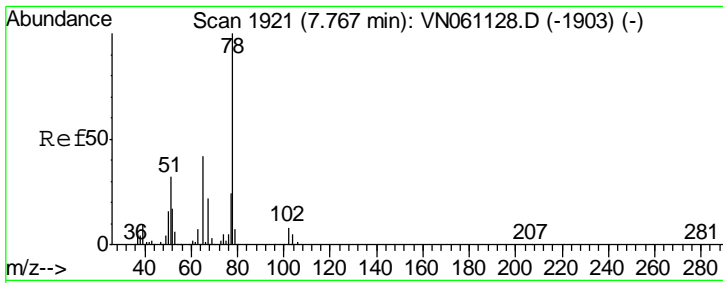
Tgt Ion	Resp	Lower	Upper
77	100		
97	0.0	11.4	34.1#



#31
 Cyclohexane
 Concen: 1.015 ug/l
 RT: 7.40 min Scan# 1806
 Delta R.T. 0.02 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
56	100		
69	171.0	25.9	38.9#
84	121.7	67.4	101.0#

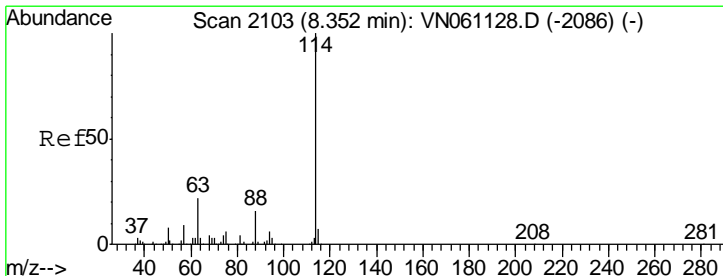
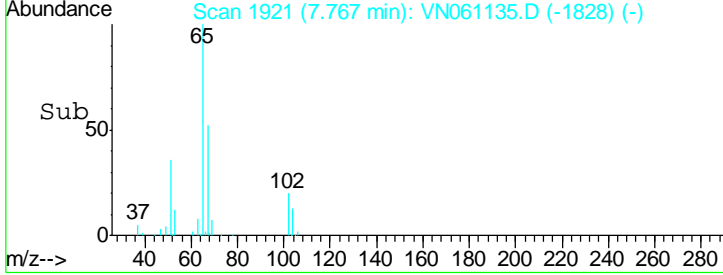
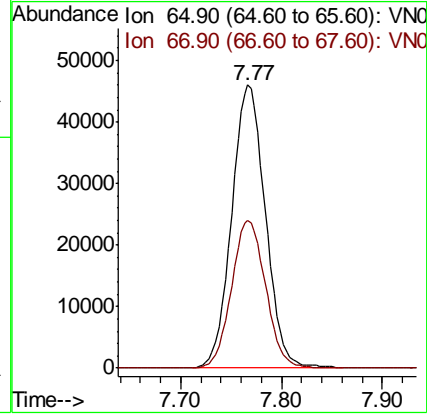
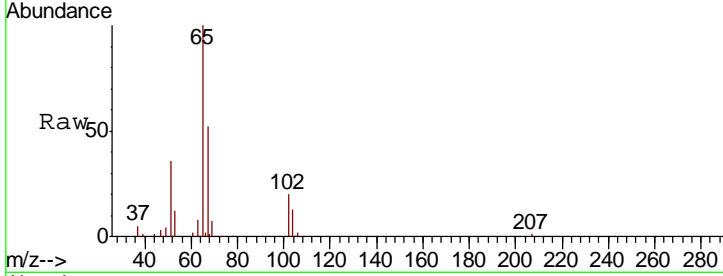




#33
 1,2-Dichloroethane-d4
 Concen: 46.211 ug/l
 RT: 7.77 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

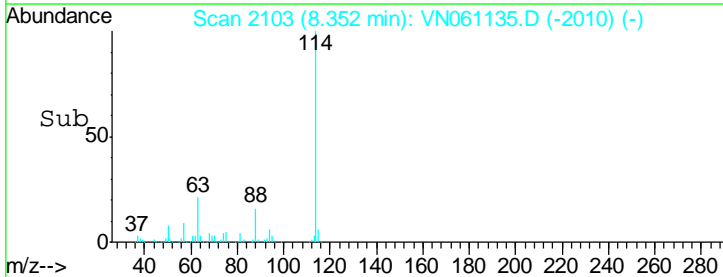
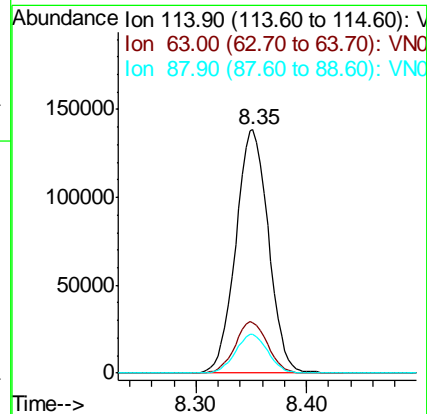
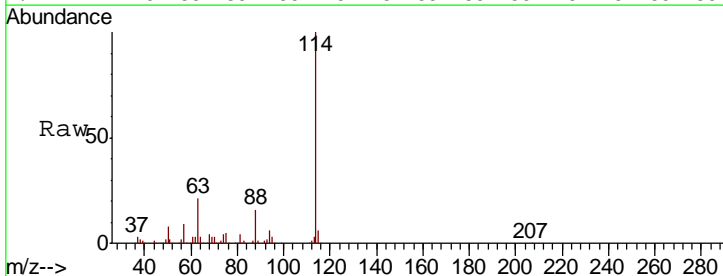
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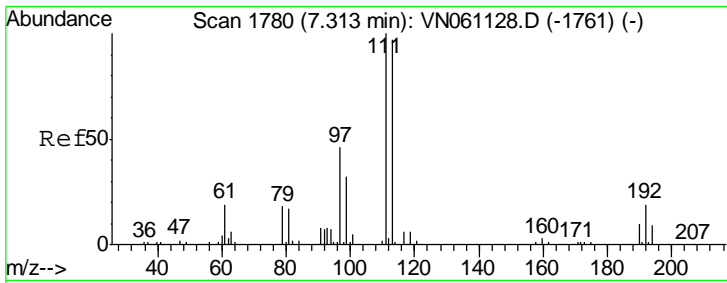
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.8	0.0	105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2103
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.8	0.0	32.4

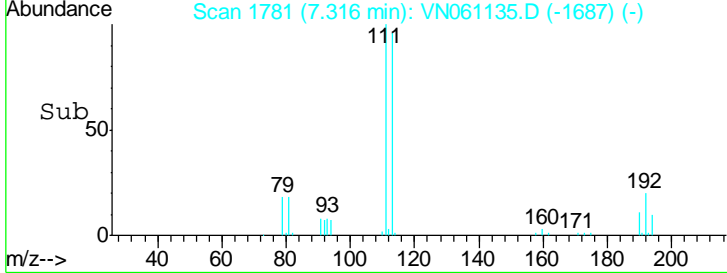
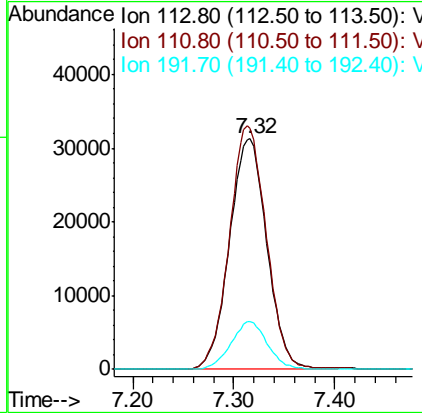
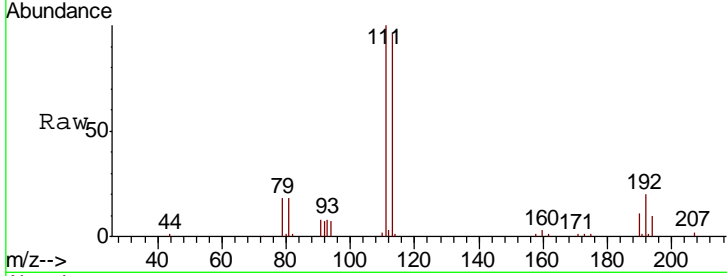




#35
 Dibromofluoromethane
 Concen: 49.713 ug/l
 RT: 7.32 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

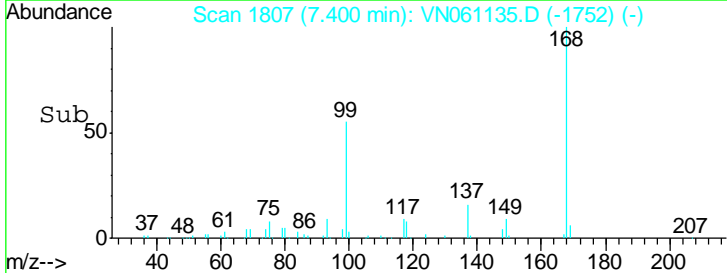
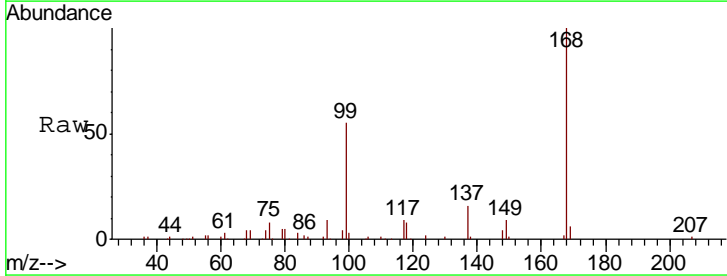
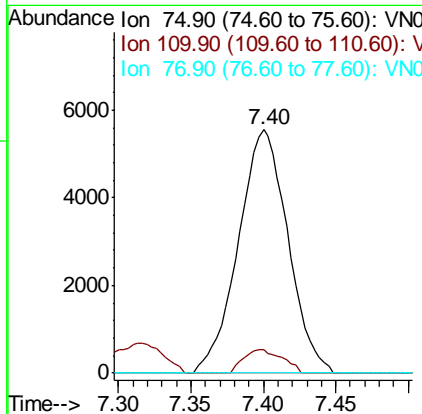
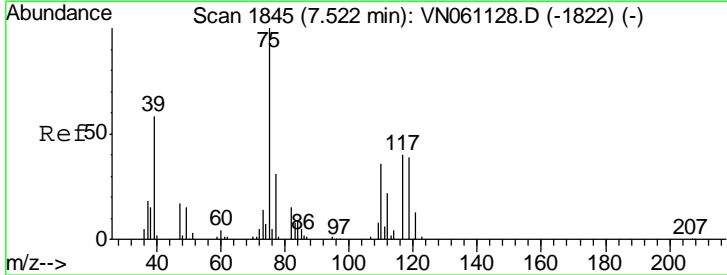
Instrument : MSVOA_V
 ClientSampled :

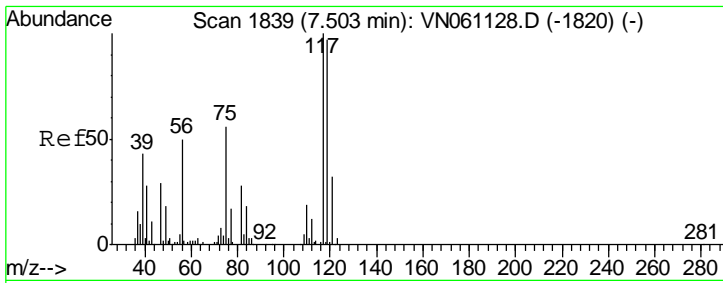
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.6	83.0	124.6
192	20.0	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.40 min Scan# 1807
 Delta R.T. -0.12 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
75	100		
110	7.5	17.7	53.1#
77	0.0	24.8	37.2#

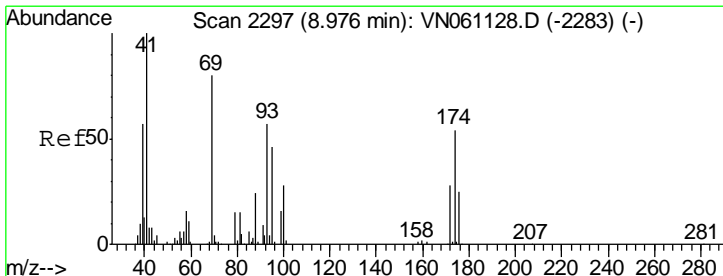
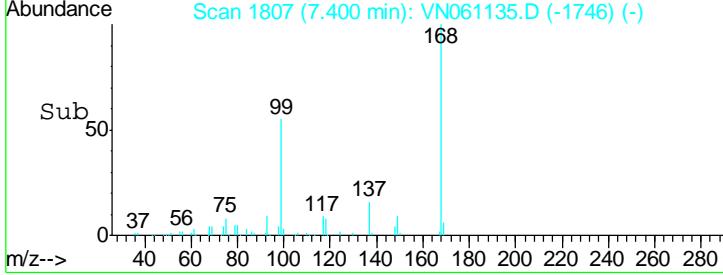
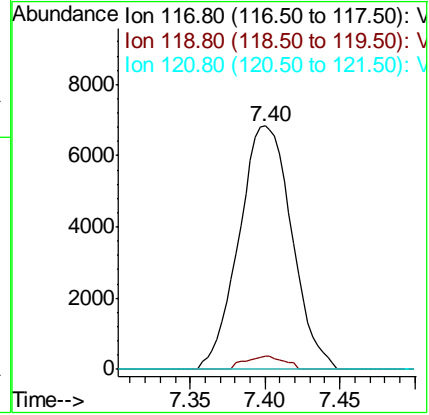
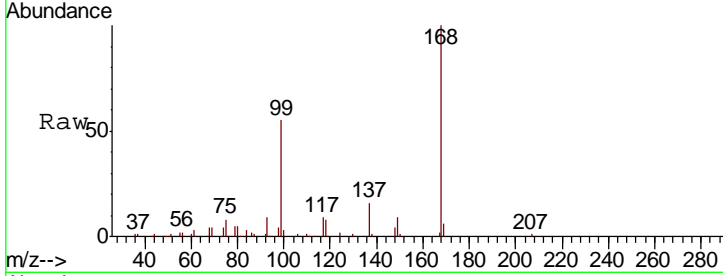




#38
 Carbon Tetrachloride
 Concen: 6.903 ug/l
 RT: 7.40 min Scan# 1807
 Delta R.T. -0.10 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

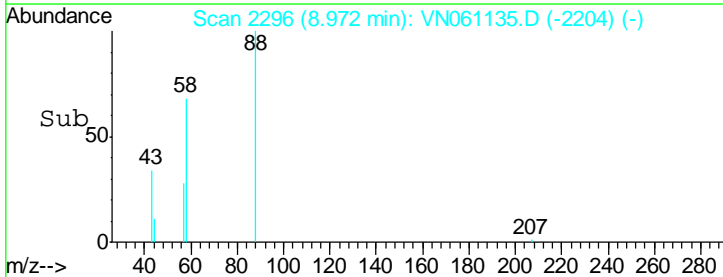
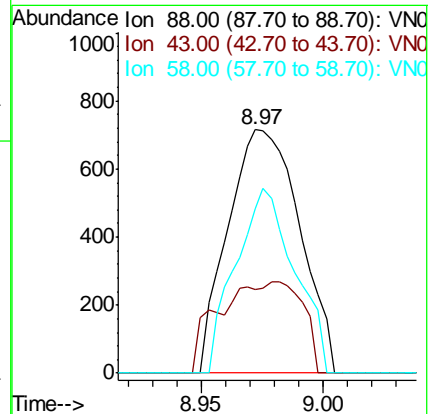
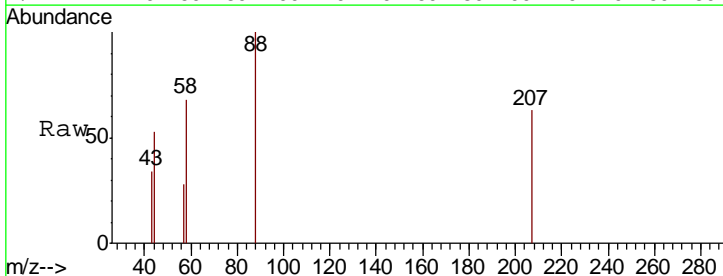
Instrument :
 MSVOA_V
 ClientSampled :

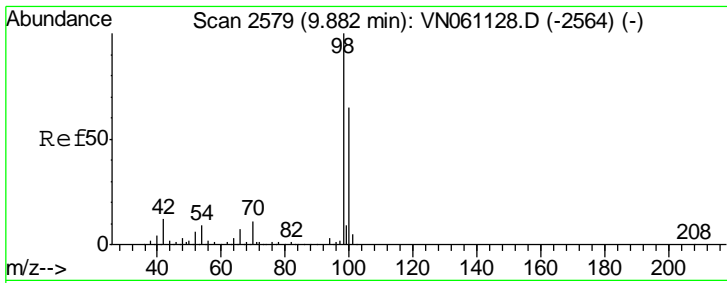
Tgt Ion	Resp	Lower	Upper
117	16774		
119	5.2	76.9	115.3#
121	0.0	25.0	37.6#



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 8.97 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
88	1460		
43	21.9	29.0	43.4#
58	62.7	57.8	86.6

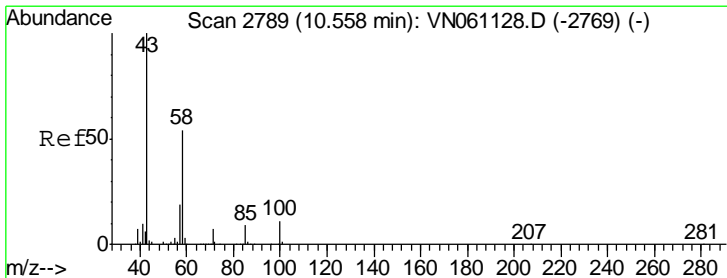
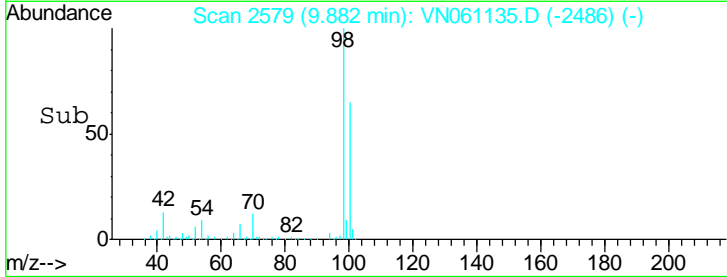
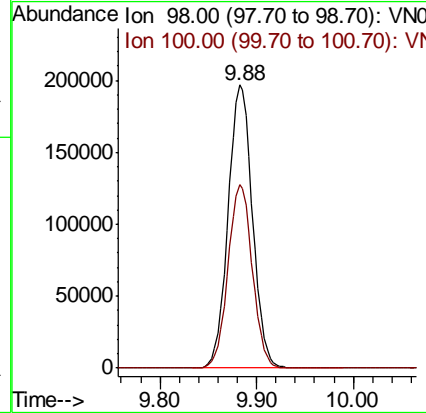
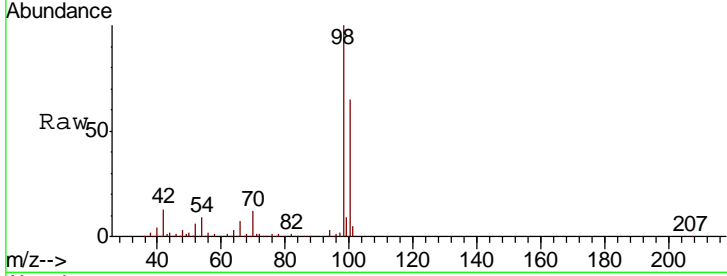




#50
 Toluene-d8
 Concen: 49.426 ug/l
 RT: 9.88 min Scan# 2579
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

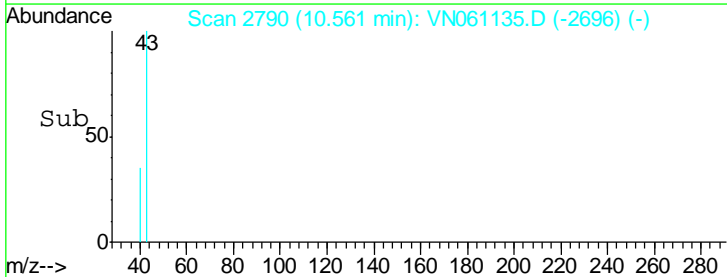
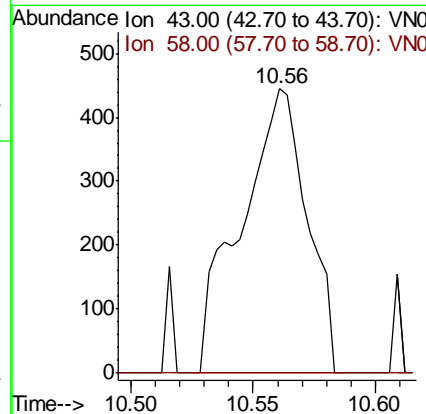
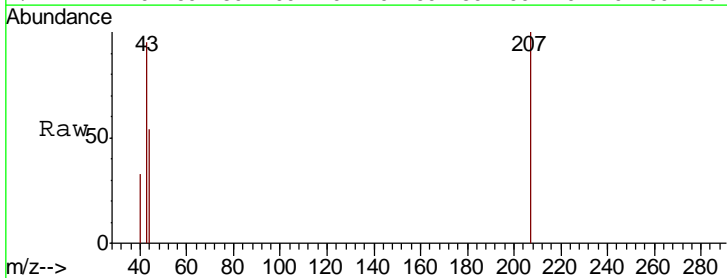
Instrument :
 MSVOA_V
 ClientSampled :

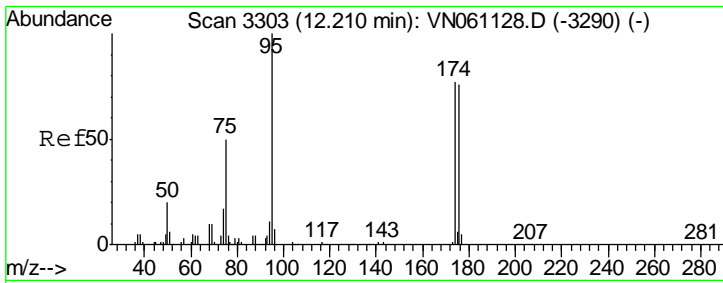
Tgt Ion	Resp	Lower	Upper
98	343276		
100	64.9	51.8	77.6



#59
 2-Hexanone
 Concen: 0.408 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
43	832		
58	0.0	26.9	80.6#

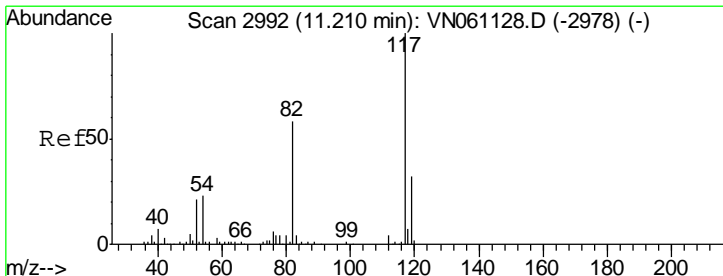
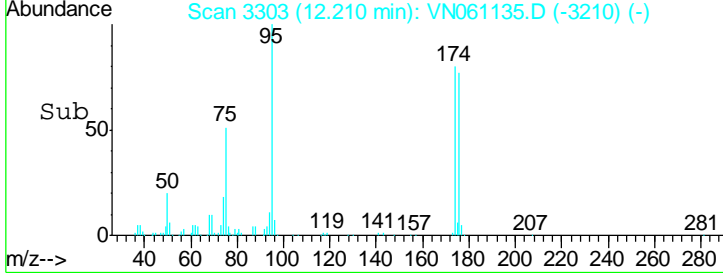
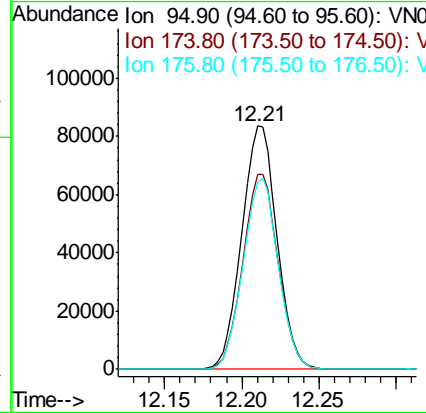
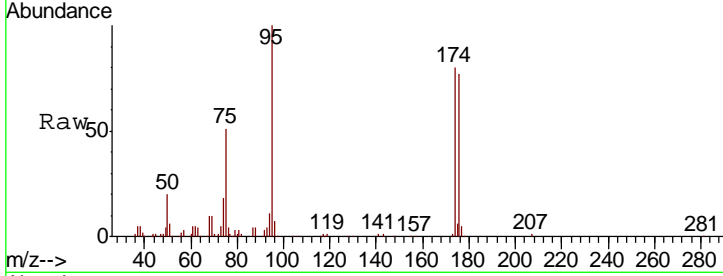




#62
 4-Bromofluorobenzene
 Concen: 50.957 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

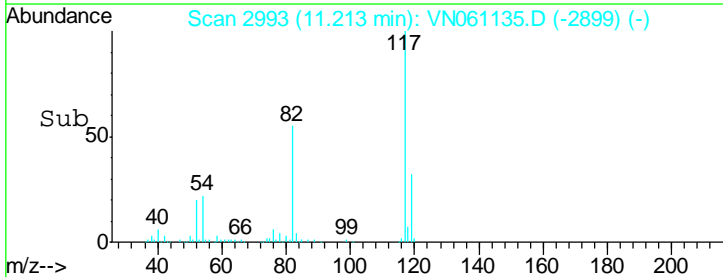
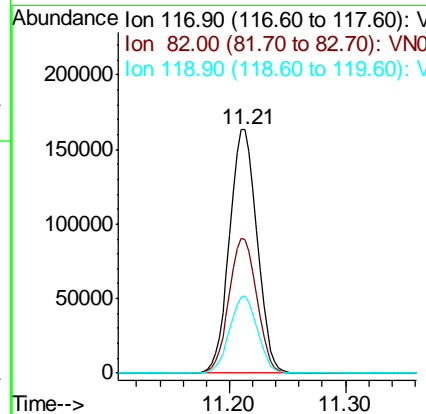
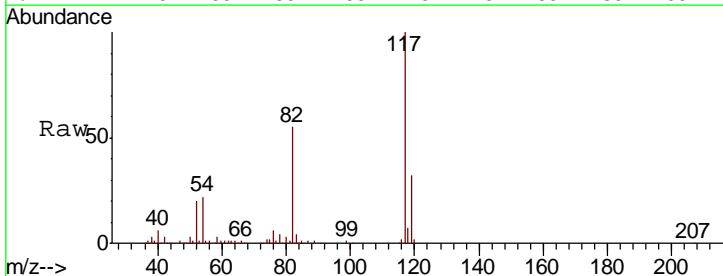
Instrument :
 MSVOA_V
 ClientSampled :

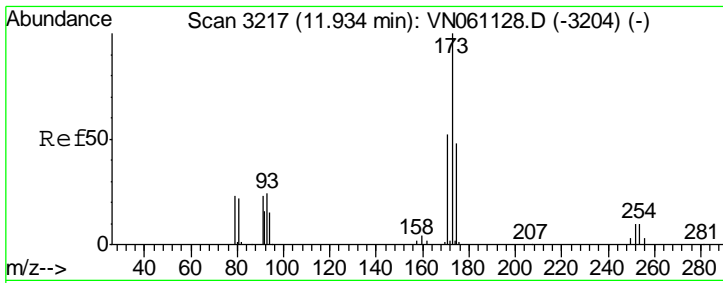
Tgt Ion	Resp	Lower	Upper
95	132544		
174	80.4	0.0	157.6
176	78.0	0.0	154.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.21 min Scan# 2993
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
117	267185		
82	54.9	46.0	69.0
119	31.7	25.9	38.9

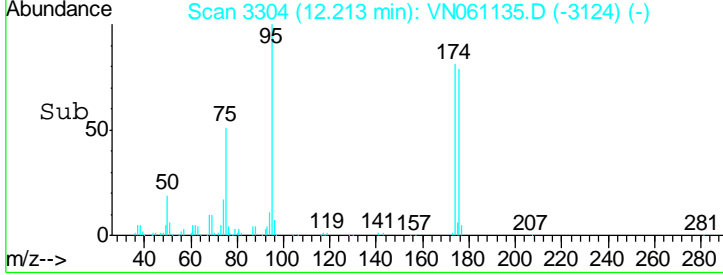
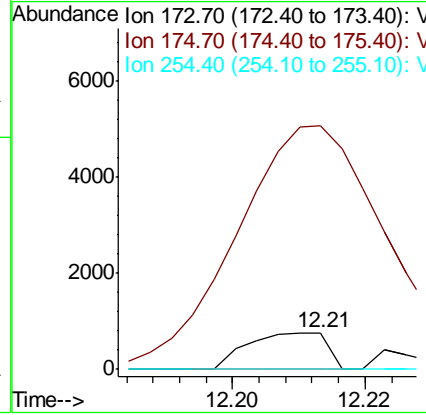
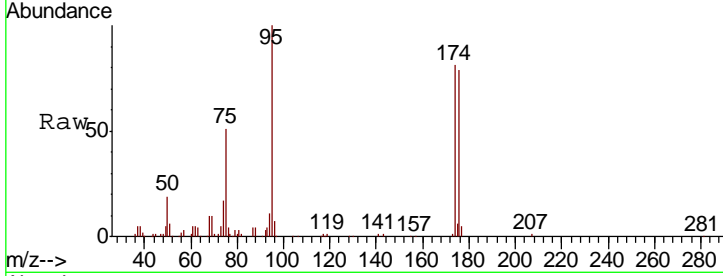




#71
 Bromoform
 Concen: 0.437 ug/l
 RT: 12.21 min Scan# 3304
 Delta R.T. 0.28 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

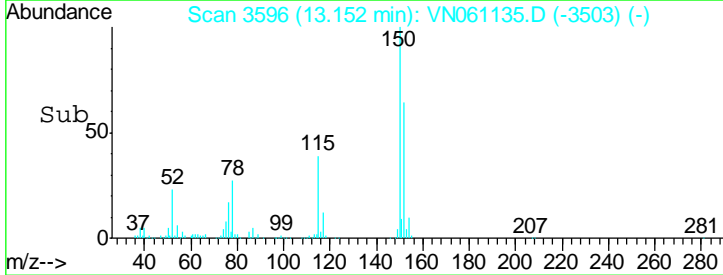
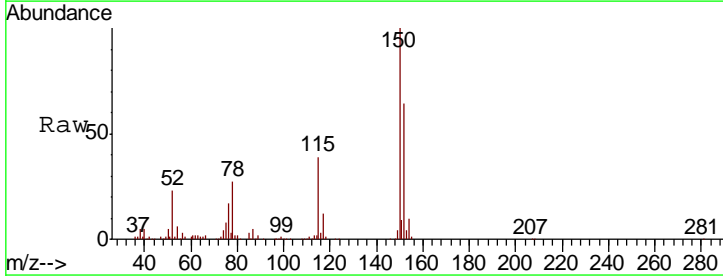
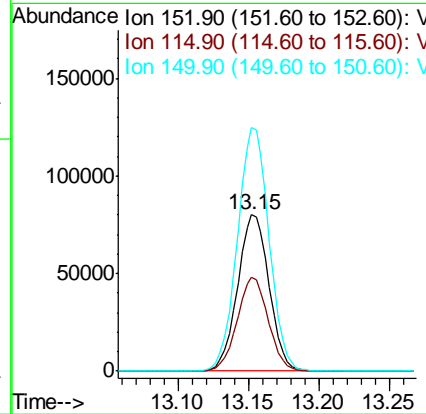
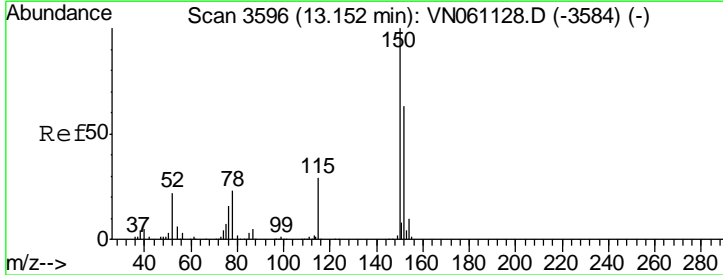
Instrument :
 MSVOA_V
 ClientSampled :

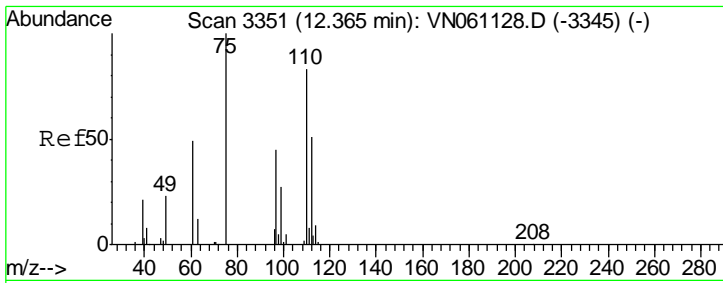
Tgt Ion	Resp	Lower	Upper
173	100		
175	1022.9	23.9	71.8#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.15 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
152	100		
115	58.9	29.8	89.5
150	156.7	0.0	348.6

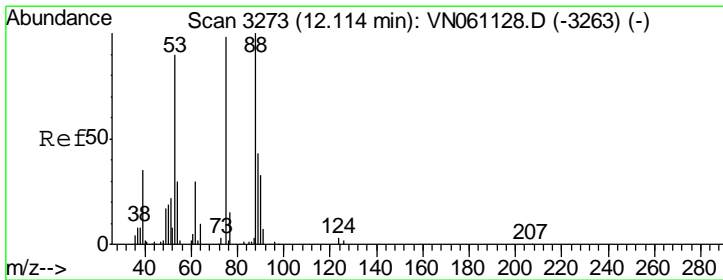
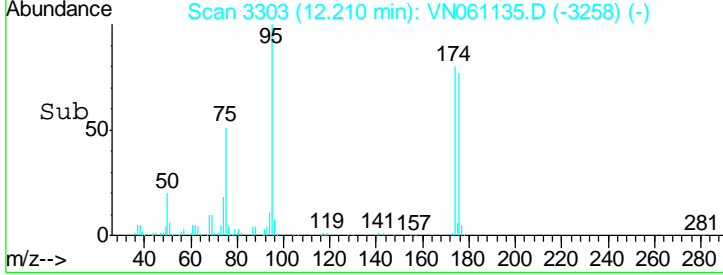
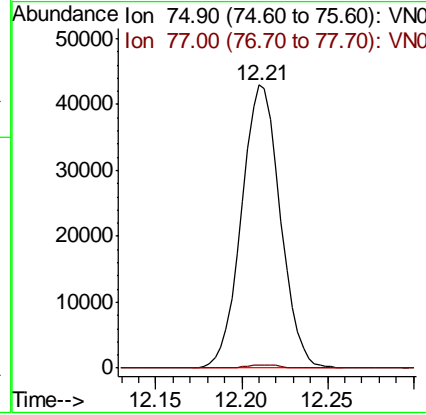
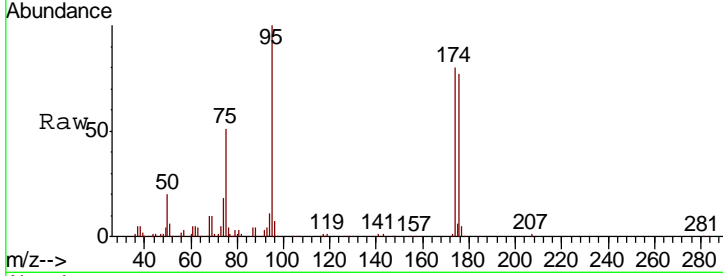




#76
 1,2,3-Trichloropropane
 Concen: 23.367 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. -0.15 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

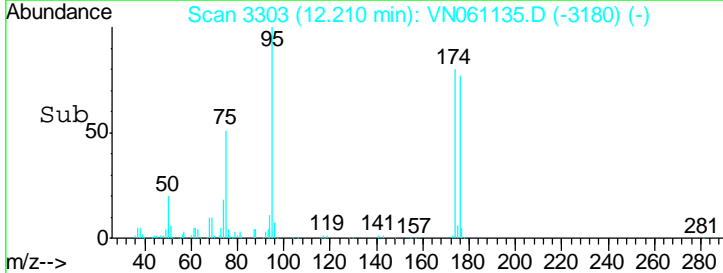
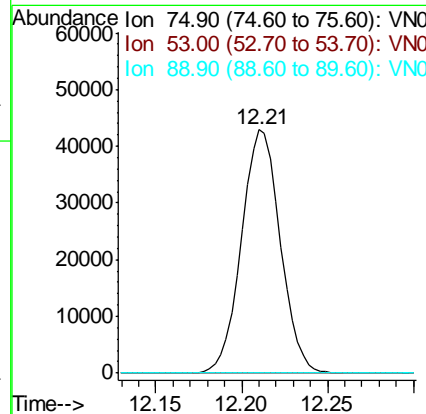
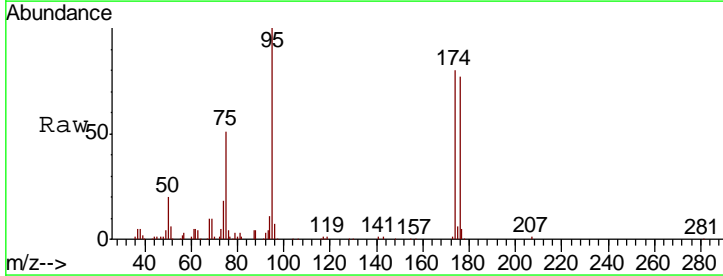
Instrument :
 MSVOA_V
 ClientSampled :

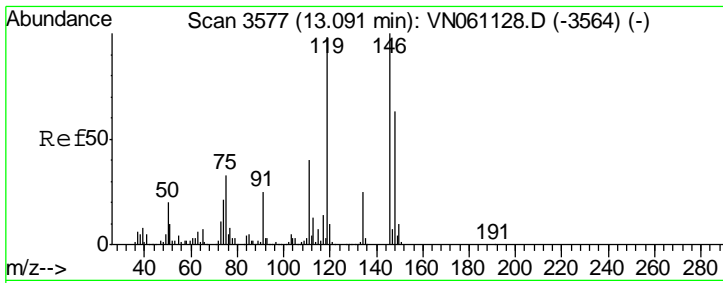
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.9	0.0	0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.366 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	74.3	111.5#
89	0.0	36.6	55.0#

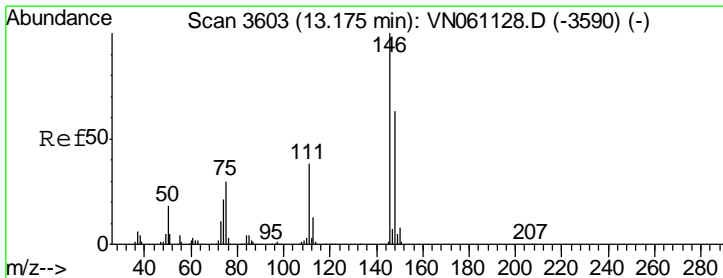
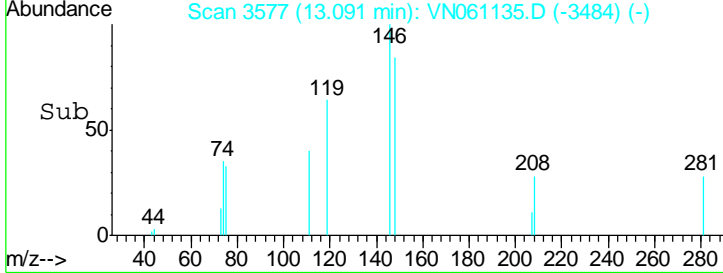
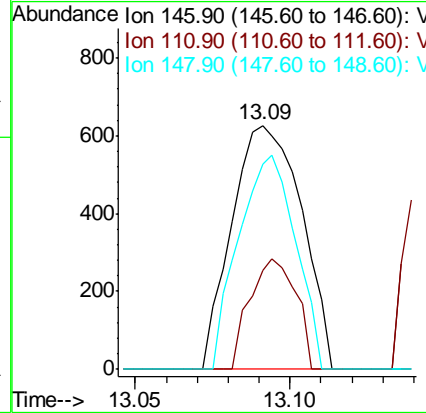
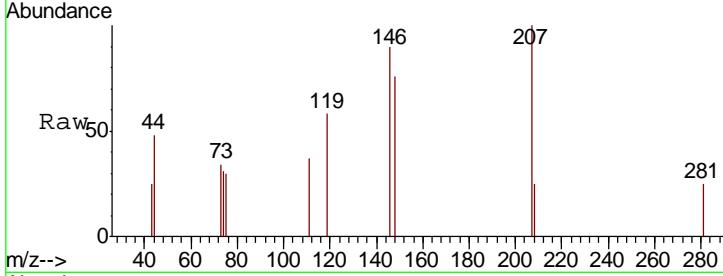




#87
 1,3-Dichlorobenzene
 Concen: 0.241 ug/l
 RT: 13.09 min Scan# 3577
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

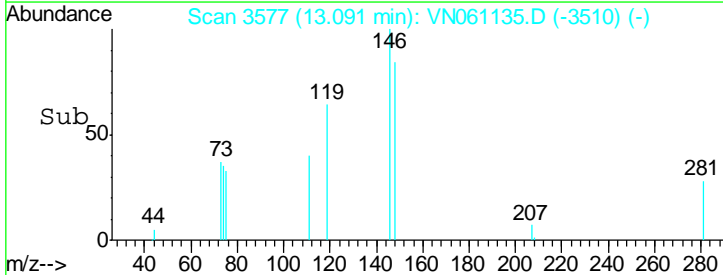
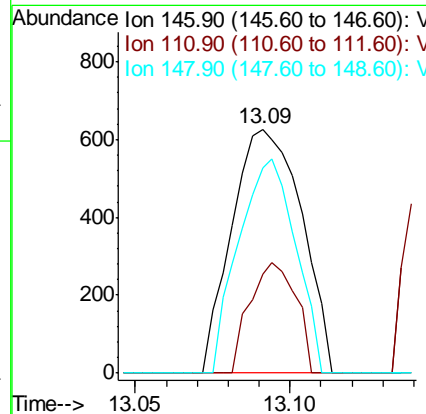
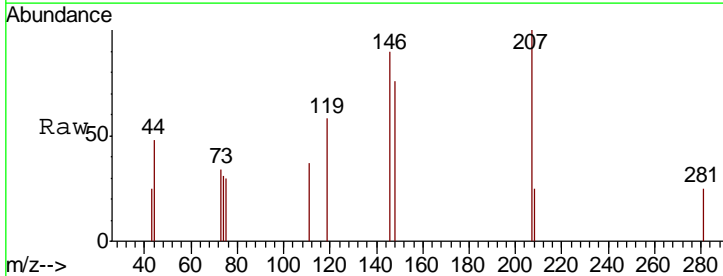
Instrument :
 MSVOA_V
 ClientSampled :

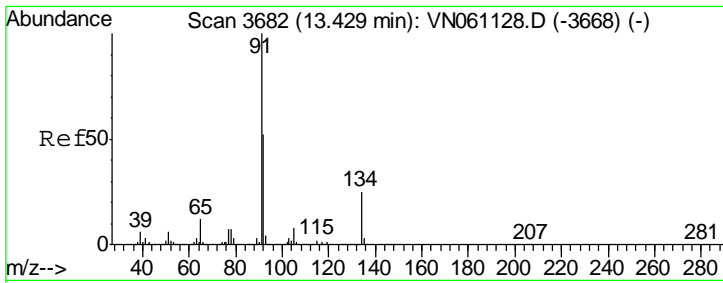
Tgt Ion	Resp	Lower	Upper
146	100		
111	29.8	20.3	60.9
148	71.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.09 min Scan# 3577
 Delta R.T. -0.08 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
146	100		
111	29.8	19.7	59.1
148	71.7	31.8	95.3

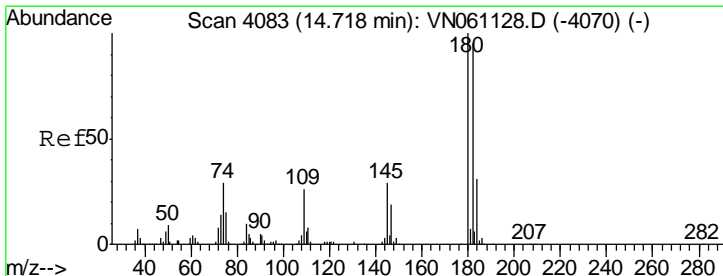
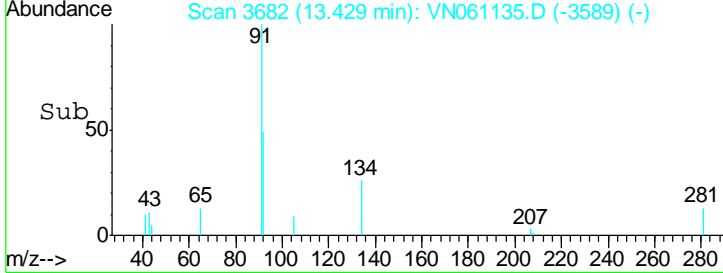
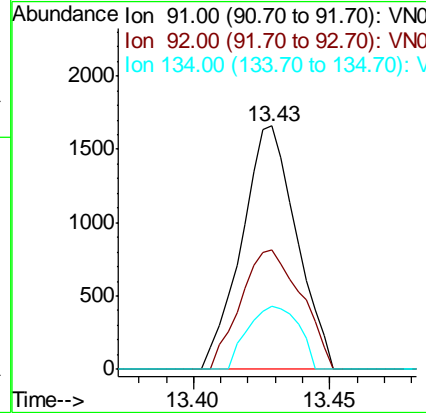
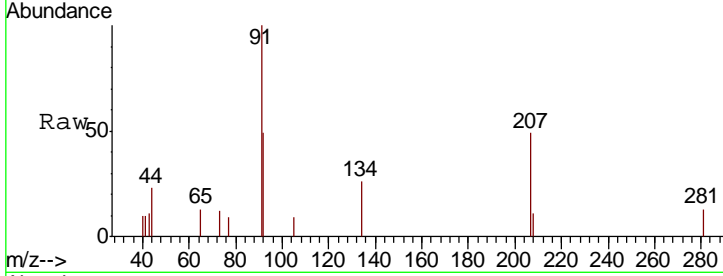




#89
 n-Butylbenzene
 Concen: 0.308 ug/l
 RT: 13.43 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

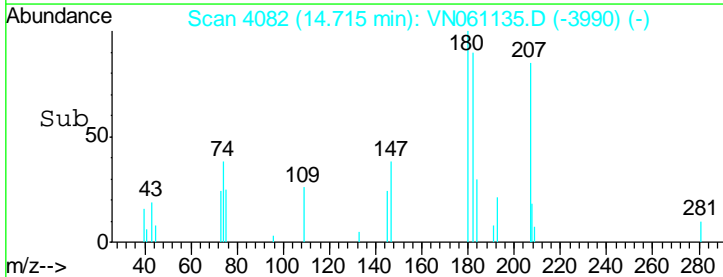
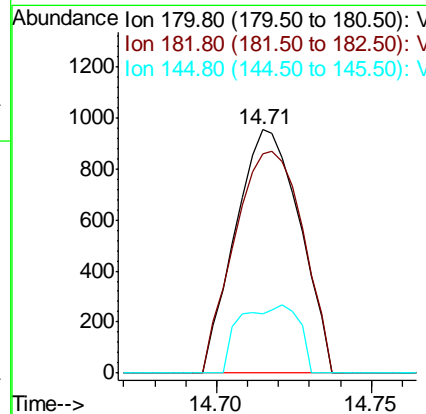
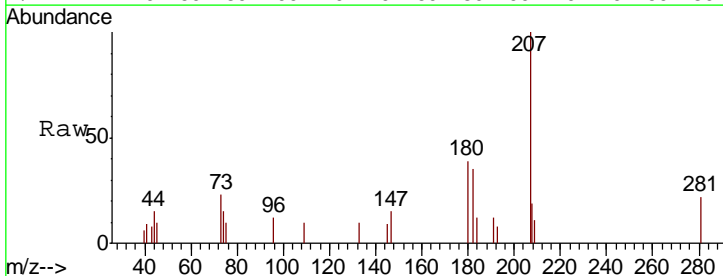
Instrument : MSVOA_V
 ClientSampled :

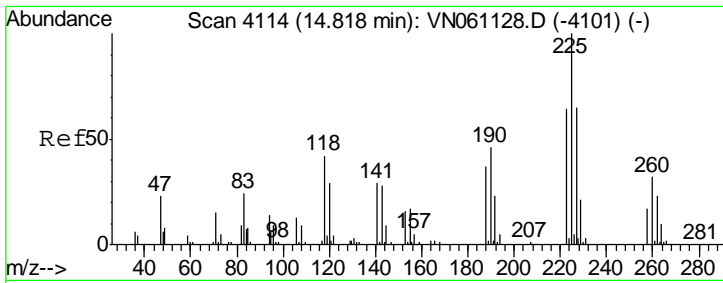
Tgt Ion	Resp	Lower	Upper
91	100		
92	54.3	26.1	78.2
134	24.3	12.6	37.6



#93
 1,2,4-Trichlorobenzene
 Concen: 0.545 ug/l
 RT: 14.71 min Scan# 4082
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.8	47.9	143.7
145	25.4	15.2	45.5

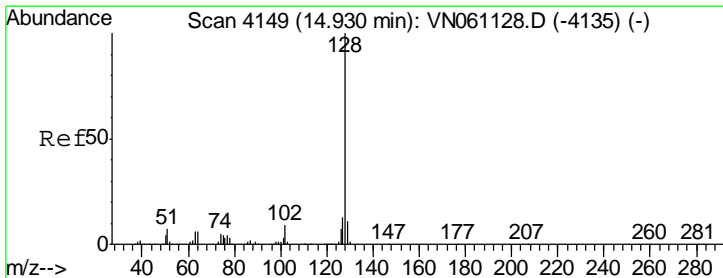
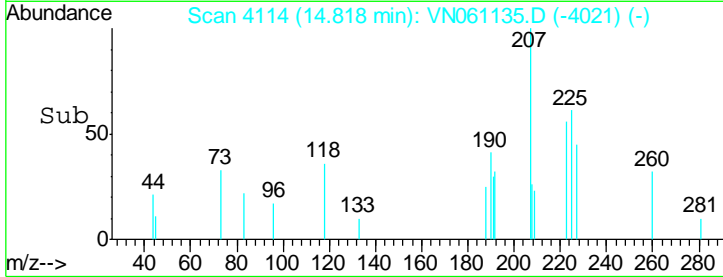
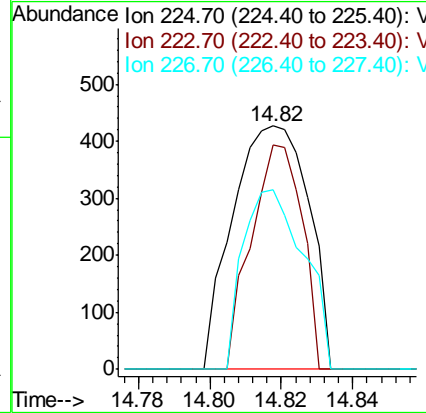
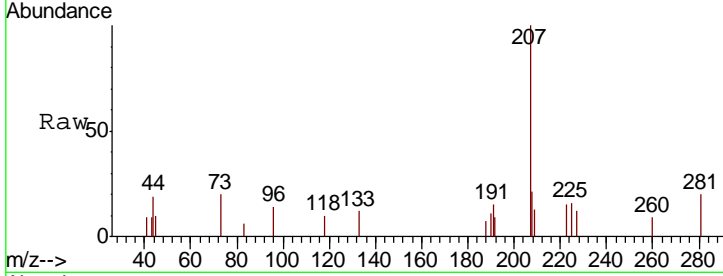




#94
 Hexachlorobutadiene
 Concen: 0.567 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

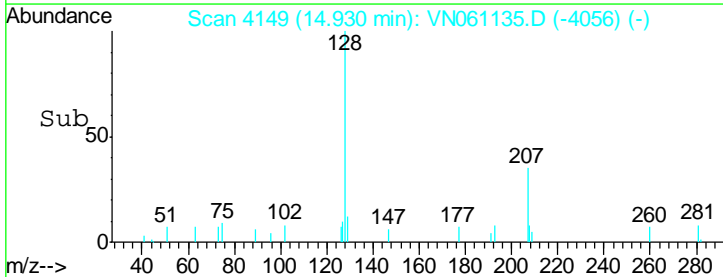
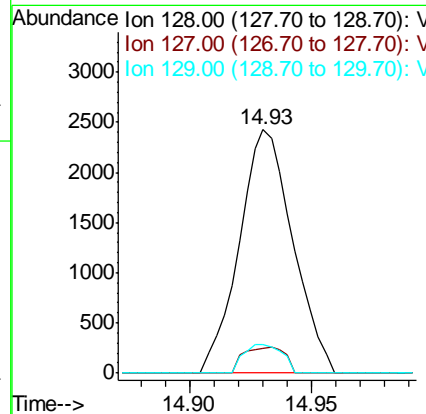
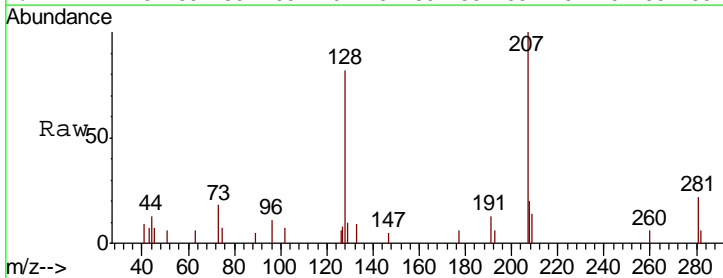
Instrument : MSVOA_V
 ClientSampled :

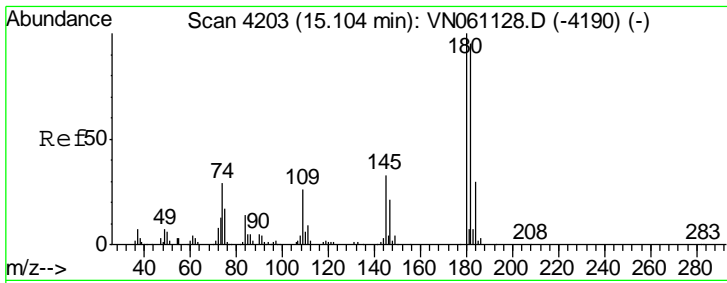
Tgt Ion	Resp	Lower	Upper
225	628		
223	100	31.6	95.0
227	59.1	32.0	96.2



#95
 Naphthalene
 Concen: 0.469 ug/l
 RT: 14.93 min Scan# 4149
 Delta R.T. -0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Tgt Ion	Resp	Lower	Upper
128	3676		
127	100	10.2	15.4#
129	8.5	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.485 ug/l
 RT: 15.11 min Scan# 4204
 Delta R.T. 0.00 min
 Lab File: VN061135.D
 Acq: 22 Apr 2020 18:24

Instrument : MSVOA_V
 ClientSampled :

Tot Ion	Resp	Lower	Upper
180	100		
182	95.9	47.7	143.1
145	28.3	16.3	48.8

