

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122920\
 Data File : VN065305.D
 Acq On : 29 Dec 2020 14:46
 Operator : JC/MD
 Sample : L5226-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16882

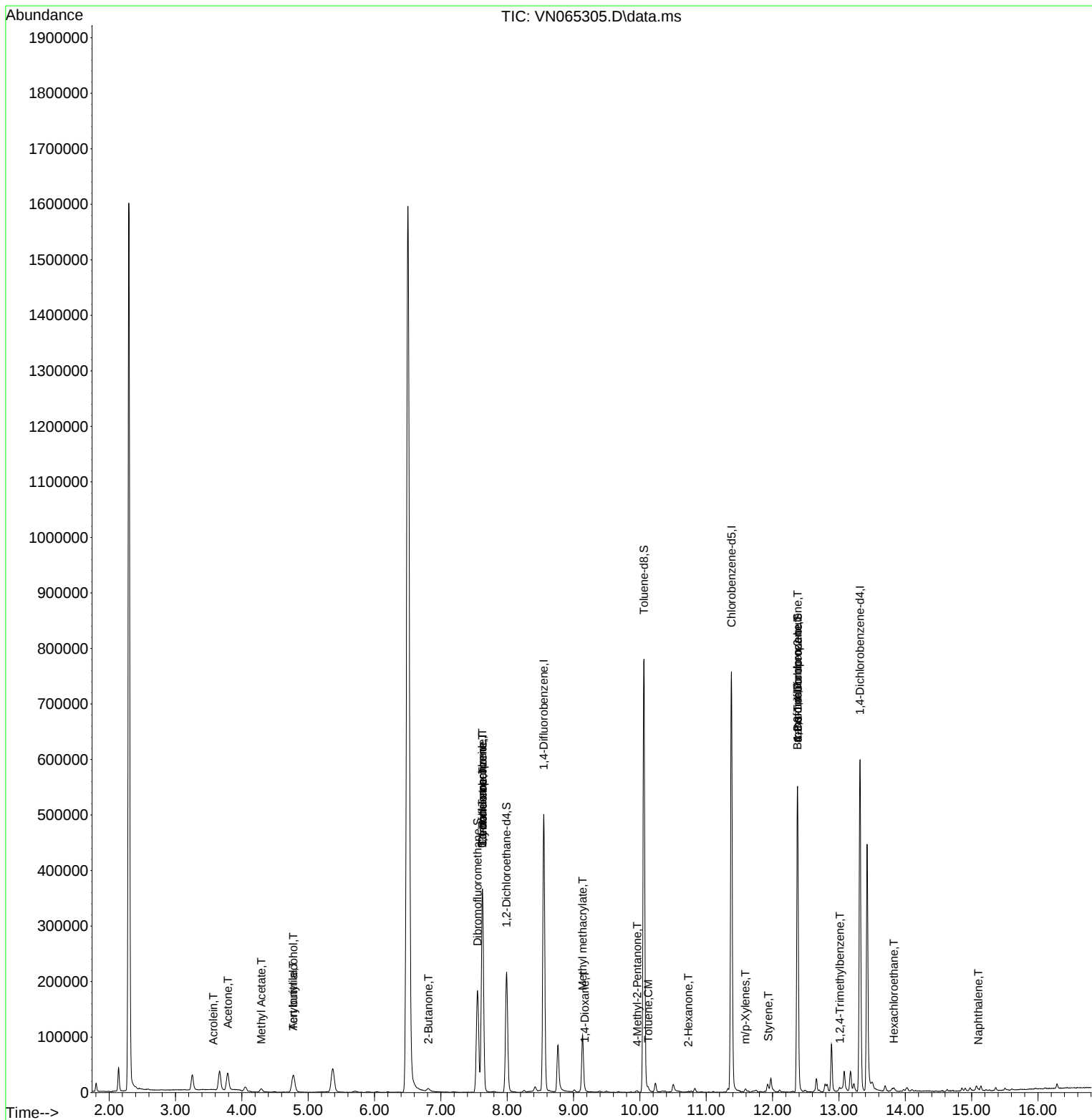
Quant Time: Dec 30 00:56:24 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.627	168	330325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	475125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	425767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	178118	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	173813	46.61	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.22%		
35) Dibromofluoromethane	7.553	113	143021	49.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.78%		
50) Toluene-d8	10.061	98	563081	52.41	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.82%		
62) 4-Bromofluorobenzene	12.376	95	187141	44.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.30%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.775	59	59091	96.84	ug/l	99
13) Acrolein	3.570	56	177	2.84	ug/l #	14
15) Acrylonitrile	4.772	53	309	0.21	ug/l #	9
16) Acetone	3.788	43	48249	20.98	ug/l	91
18) Methyl Acetate	4.293	43	11485	3.43	ug/l	93
25) 2-Butanone	6.811	43	8838	4.22	ug/l	96
31) Cyclohexane	7.627	56	5481	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	21447	4.96	ug/l #	49
38) Carbon Tetrachloride	7.624	117	28385	6.26	ug/l #	16
48) Methyl methacrylate	9.135	41	29804	8.32	ug/l #	38
49) 1,4-Dioxane	9.171	88	303	5.22	ug/l #	26
51) 4-Methyl-2-Pentanone	9.962	43	2108	0.51	ug/l #	78
52) Toluene	10.126	92	2507	0.31	ug/l	89
59) 2-Hexanone	10.730	43	1049	0.34	ug/l #	58
68) m/p-Xylenes	11.592	106	2179	0.37	ug/l	100
70) Styrene	11.936	104	3364	0.35	ug/l	95
71) Bromoform	12.373	173	1192	0.41	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	92819	25.54	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	92819	64.41	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.016	105	4802	0.43	ug/l	86
90) Hexachloroethane	13.830	117	480	0.23	ug/l #	9
95) Naphthalene	15.100	128	3156	3.69	ug/l #	83

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

Quant Time: Dec 30 00:56:24 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
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Response via : Initial Calibration

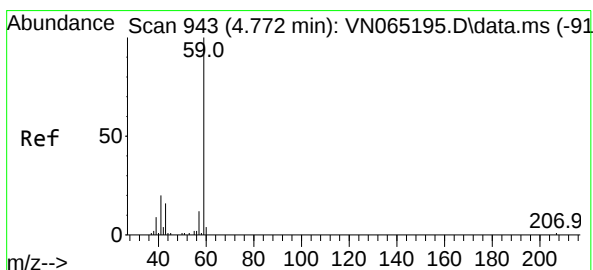
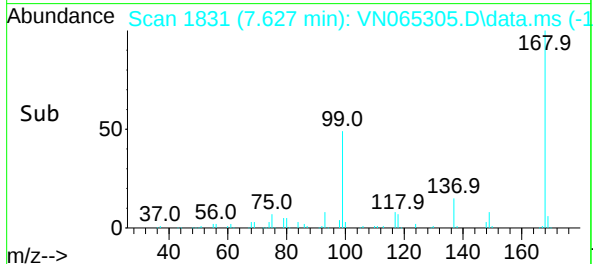
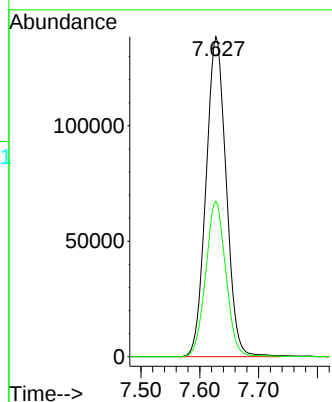
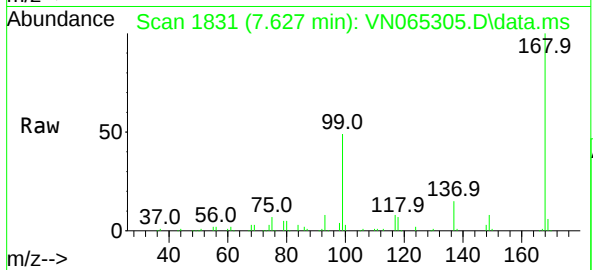




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

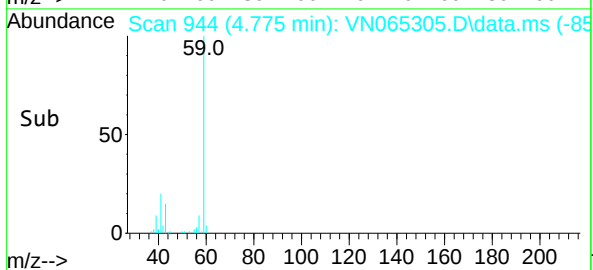
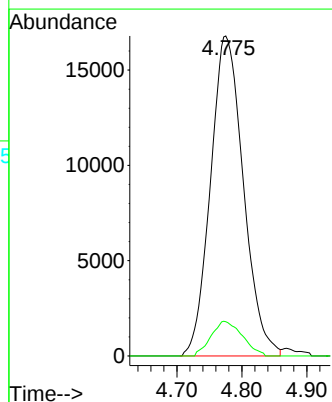
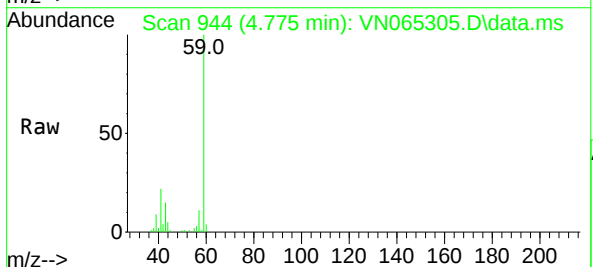
Instrument :
MSVOA_N
ClientSampleId :
16882

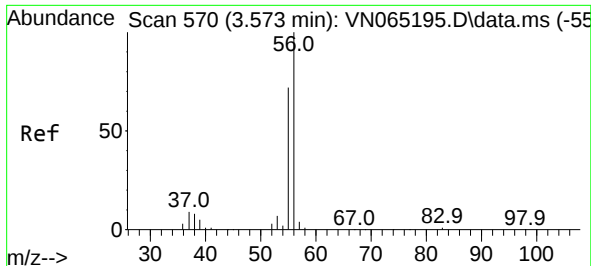
Tgt Ion:168 Resp: 330325
Ion Ratio Lower Upper
168 100
99 48.6 43.0 64.4



#11
Tert butyl alcohol
Concen: 96.84 ug/l
RT: 4.775 min Scan# 944
Delta R.T. 0.003 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 59 Resp: 59091
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9

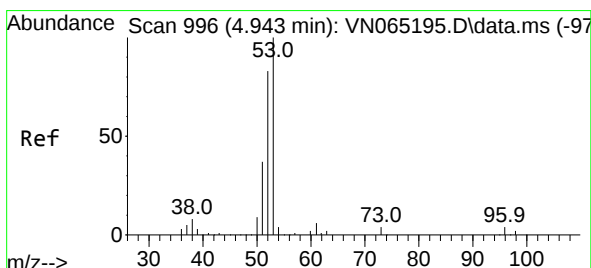
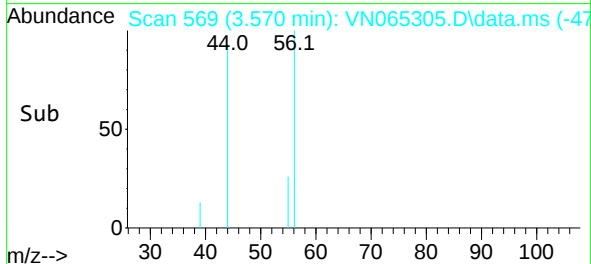
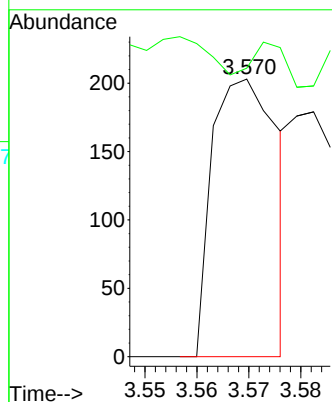
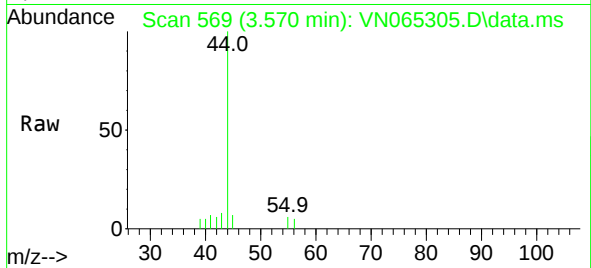




#13
Acrolein
Concen: 2.84 ug/l
RT: 3.570 min Scan# 569
Delta R.T. -0.003 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

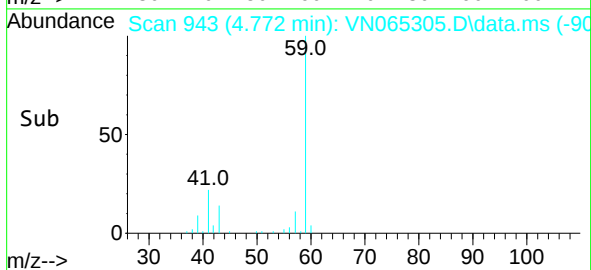
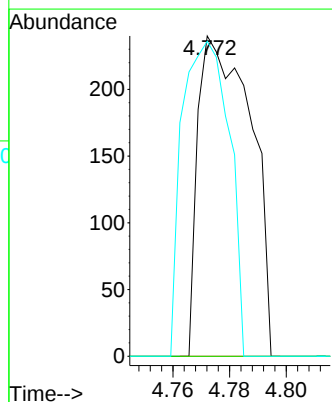
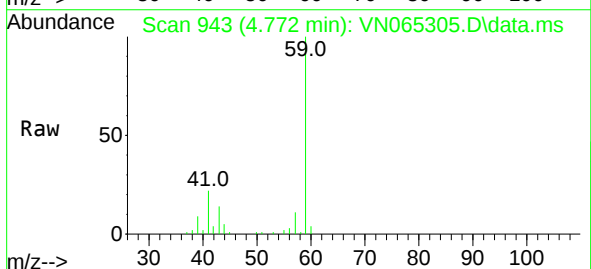
Instrument :
MSVOA_N
ClientSampled :
16882

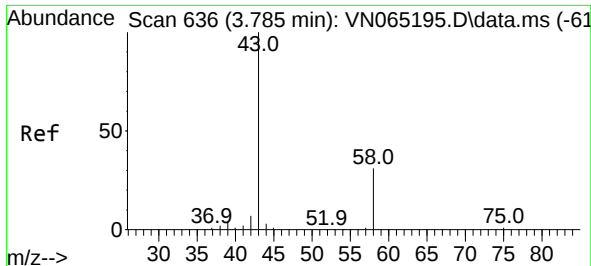
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#15
Acrylonitrile
Concen: 0.21 ug/l
RT: 4.772 min Scan# 943
Delta R.T. -0.171 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 53 Resp: 309
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 87.7 28.6 43.0#

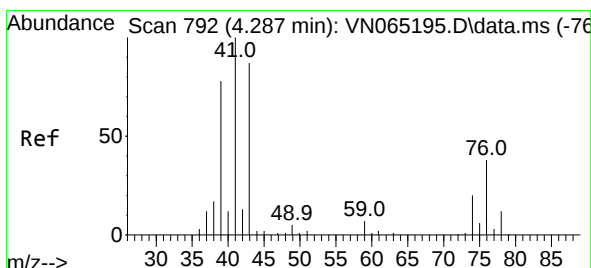
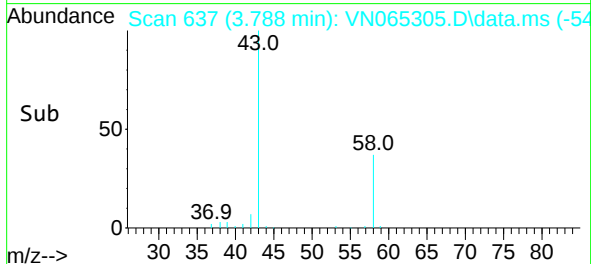
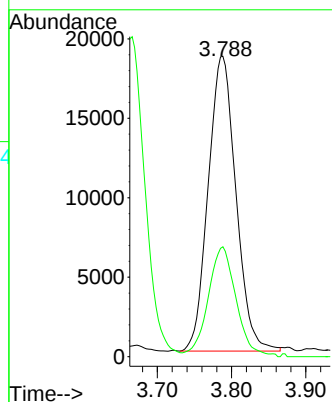
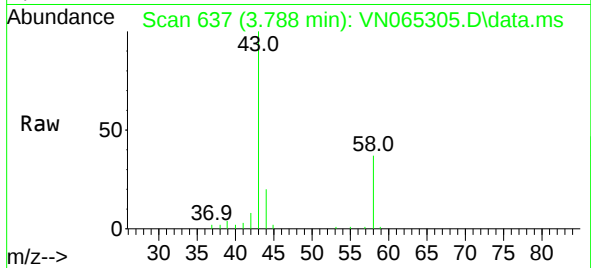




#16
Acetone
Concen: 20.98 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

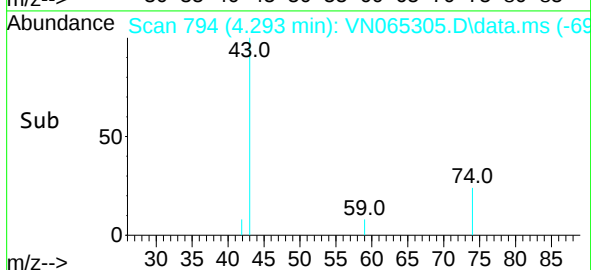
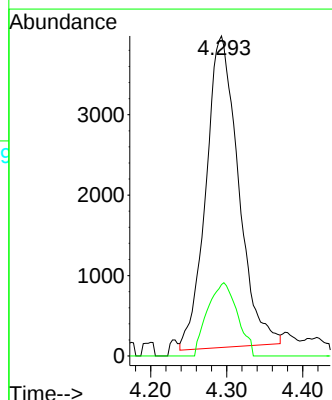
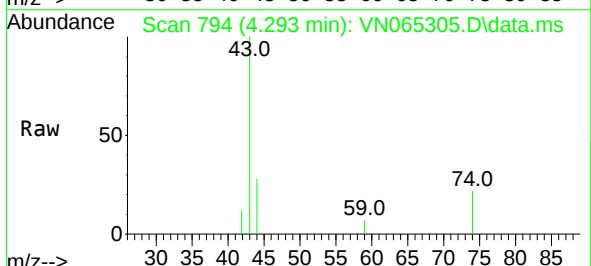
Instrument :
MSVOA_N
ClientSampled :
16882

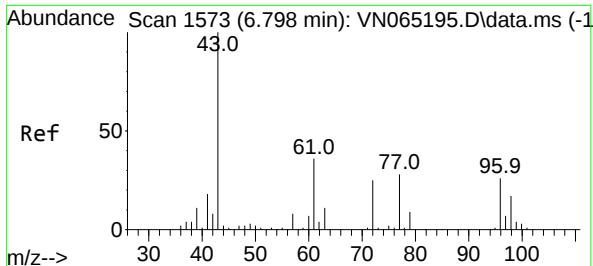
Tgt Ion: 43 Resp: 48249
Ion Ratio Lower Upper
43 100
58 37.3 25.7 38.5



#18
Methyl Acetate
Concen: 3.43 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 43 Resp: 11485
Ion Ratio Lower Upper
43 100
74 21.6 20.2 30.2

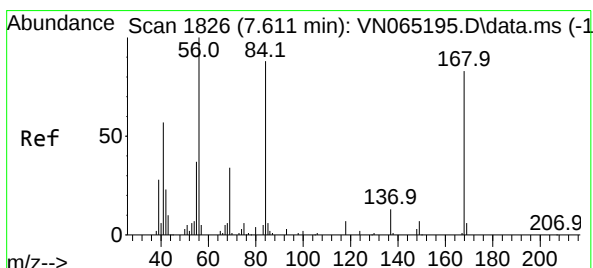
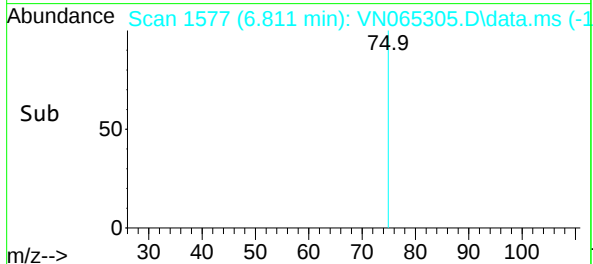
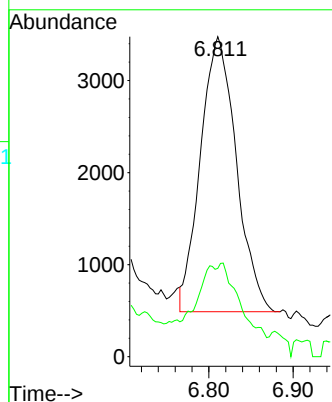
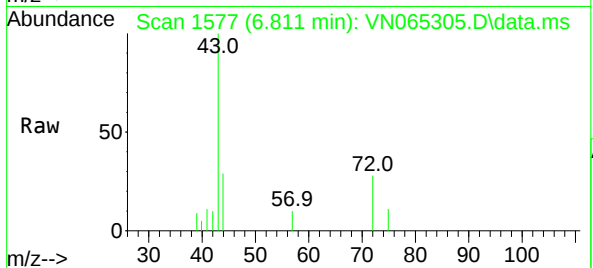




#25
2-Butanone
Concen: 4.22 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

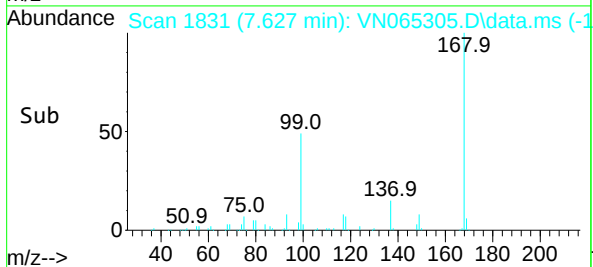
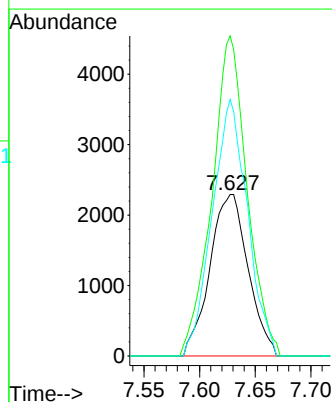
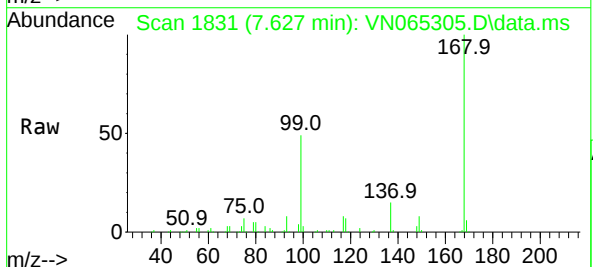
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ClientSampled :
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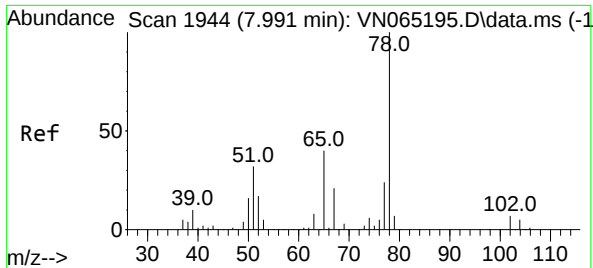
Tgt Ion: 43 Resp: 8838
Ion Ratio Lower Upper
43 100
72 24.3 21.0 31.6



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 56 Resp: 5481
Ion Ratio Lower Upper
56 100
69 198.1 27.5 41.3#
84 158.8 73.9 110.9#

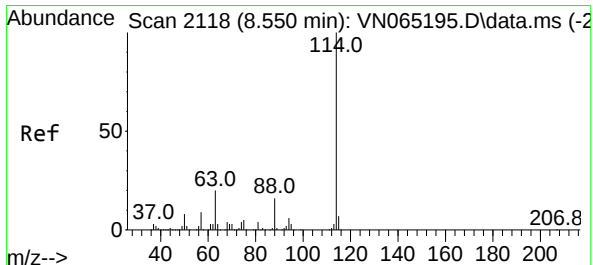
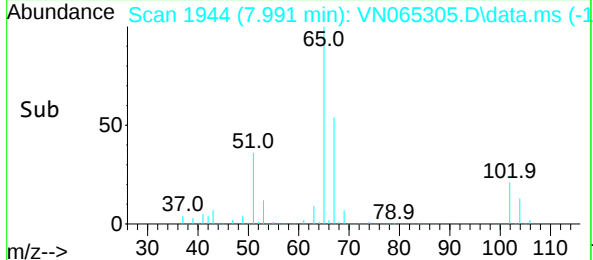
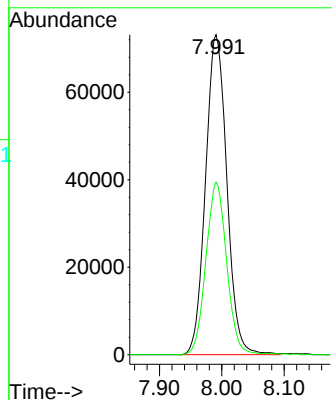
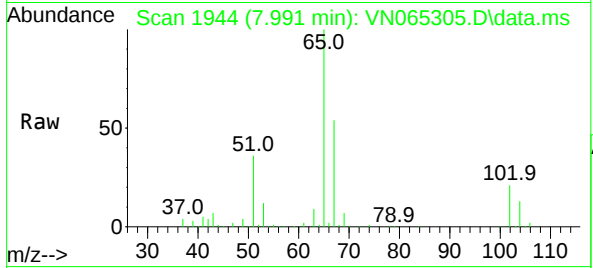




#33
1,2-Dichloroethane-d4
Concen: 46.61 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

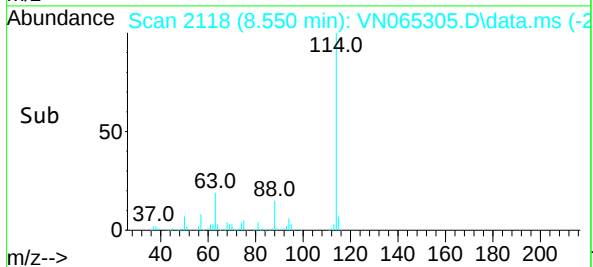
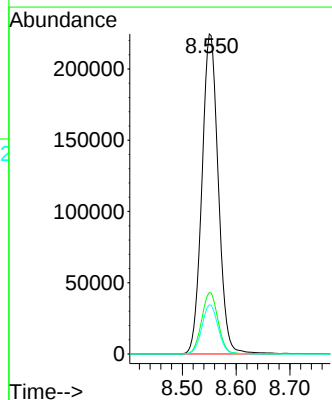
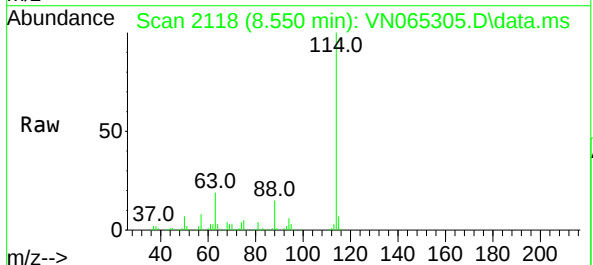
Instrument :
MSVOA_N
ClientSampleId :
16882

Tgt Ion: 65 Resp: 173813
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 114 Resp: 475125
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.6
88 15.3 0.0 32.6



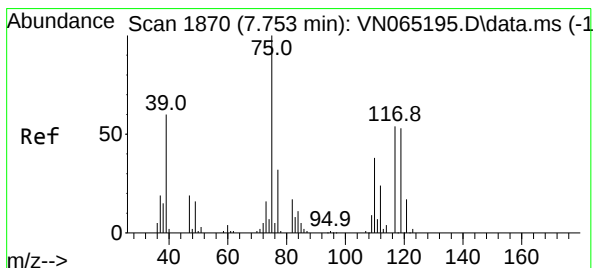
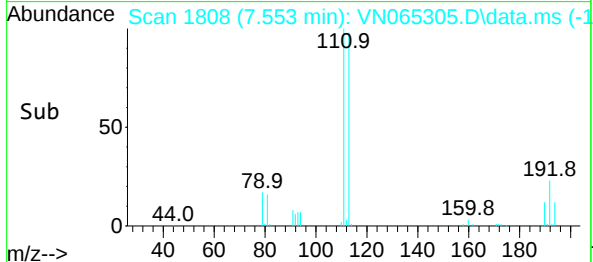
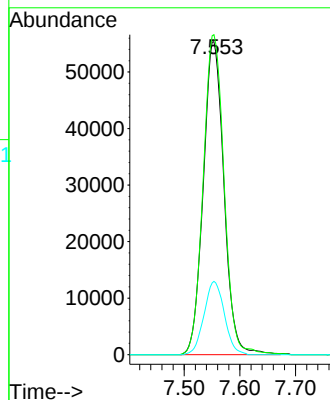
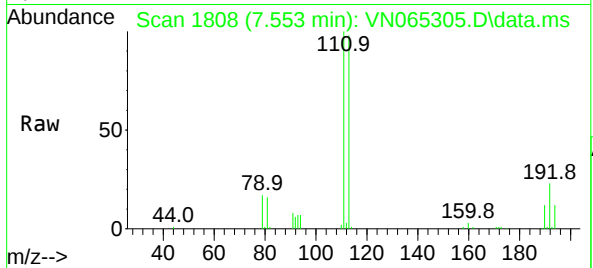


#35
Dibromofluoromethane
Concen: 49.89 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Instrument :
MSVOA_N
ClientSampled :
16882

Tgt Ion:113 Resp: 143021

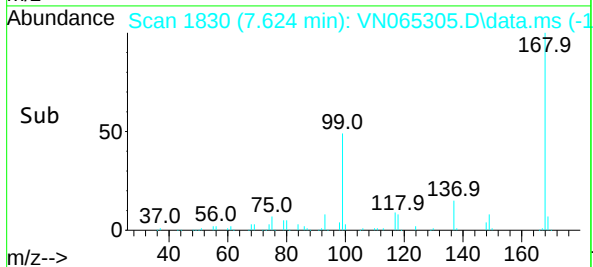
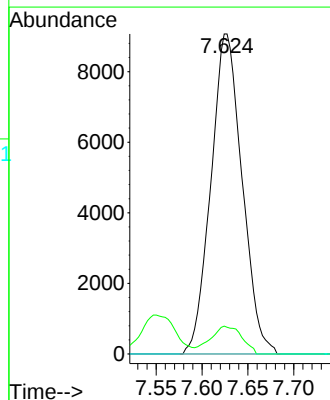
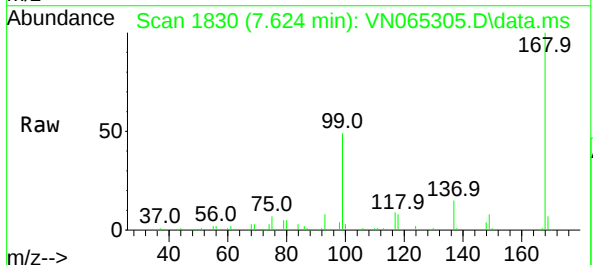
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	23.0	16.2	24.2

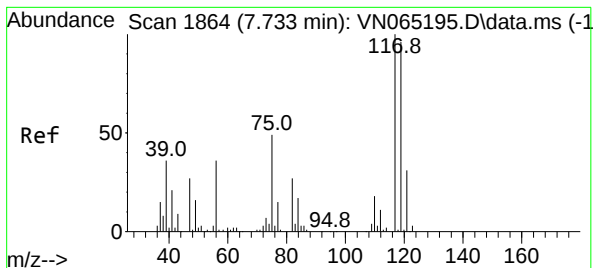


#36
1,1-Dichloropropene
Concen: 4.96 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 75 Resp: 21447

Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.3#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.26 ug/l

RT: 7.624 min Scan# 1830

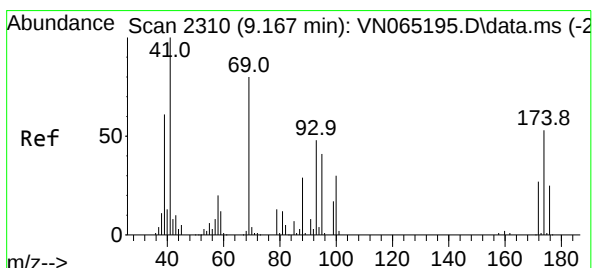
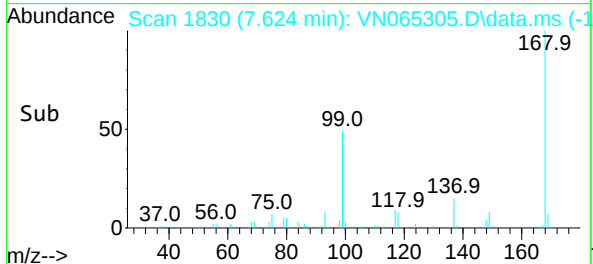
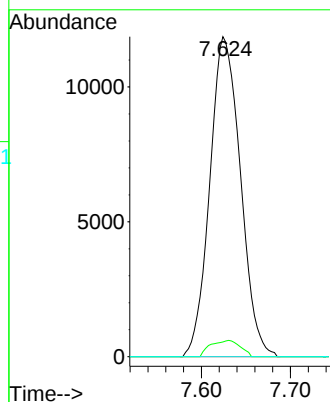
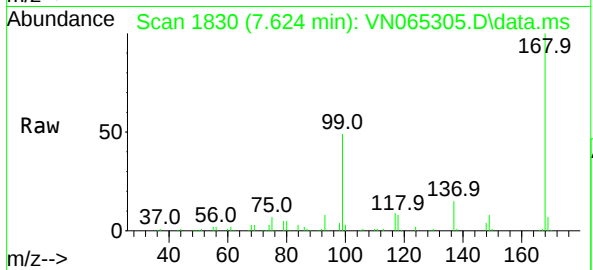
Delta R.T. -0.109 min

Lab File: VN065305.D

Acq: 29 Dec 2020 14:46

Instrument :
MSVOA_N
ClientSampled :
16882

Tgt Ion:	117	Resp:	28385
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.7	115.1#
121	0.0	25.4	38.2#



#48

Methyl methacrylate

Concen: 8.32 ug/l

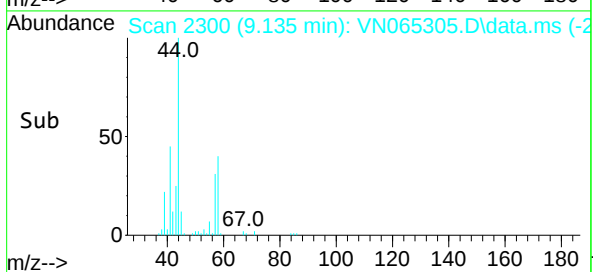
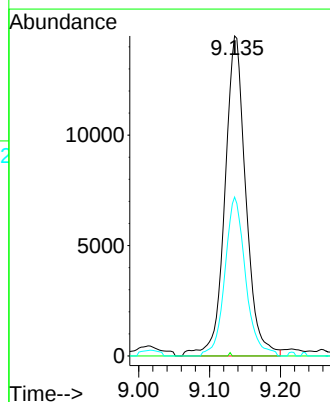
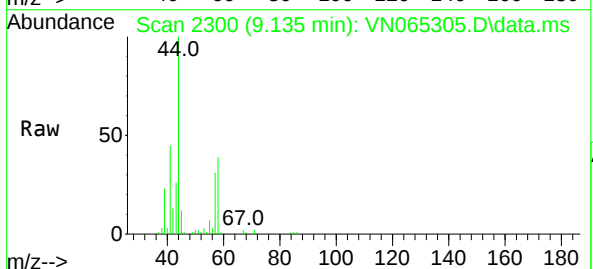
RT: 9.135 min Scan# 2300

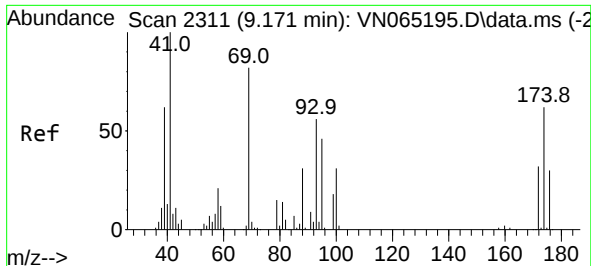
Delta R.T. -0.032 min

Lab File: VN065305.D

Acq: 29 Dec 2020 14:46

Tgt Ion:	41	Resp:	29804
Ion	Ratio	Lower	Upper
41	100		
69	0.1	71.8	107.8#
39	48.9	44.1	66.1

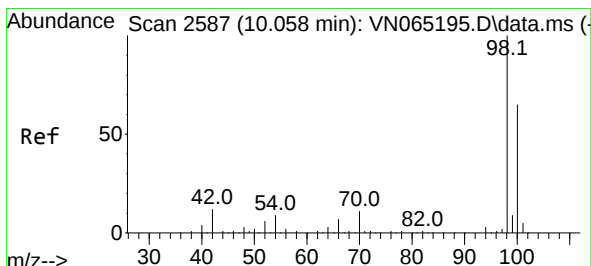
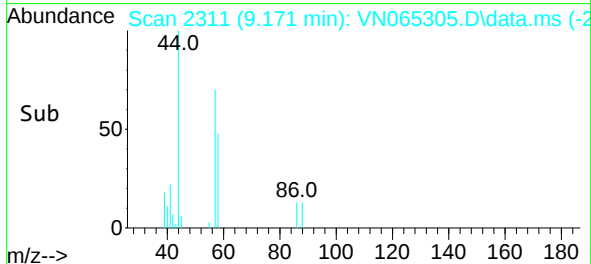
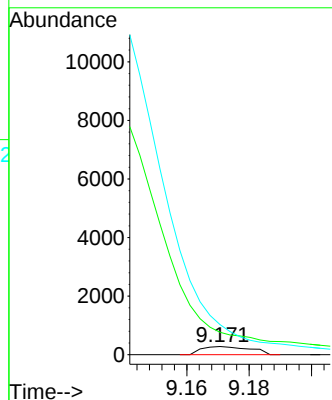
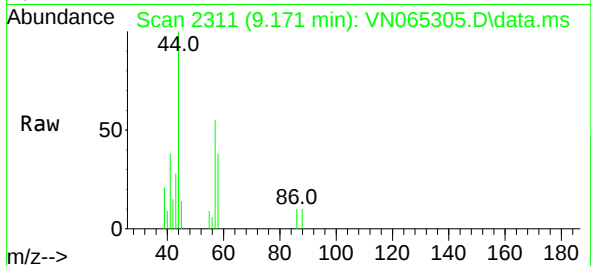




#49
1,4-Dioxane
Concen: 5.22 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. -0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

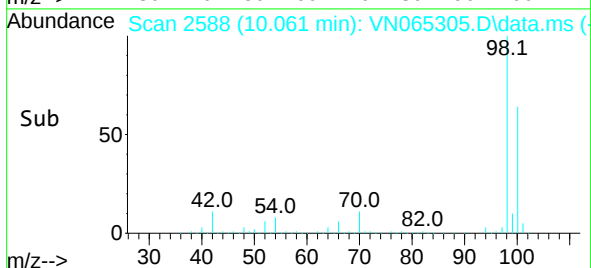
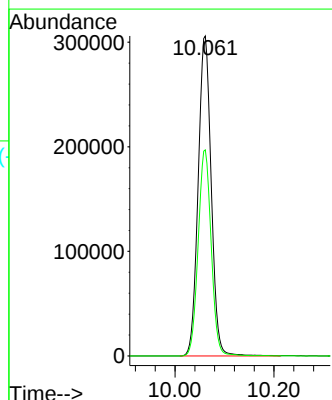
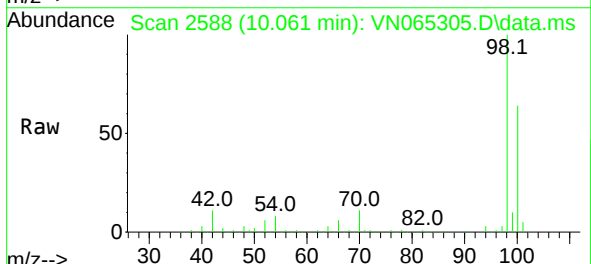
Instrument :
MSVOA_N
ClientSampled :
16882

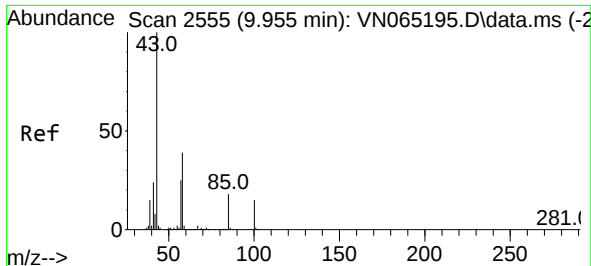
Tgt Ion: 88 Resp: 303
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 52.5 78.7#



#50
Toluene-d8
Concen: 52.41 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 98 Resp: 563081
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

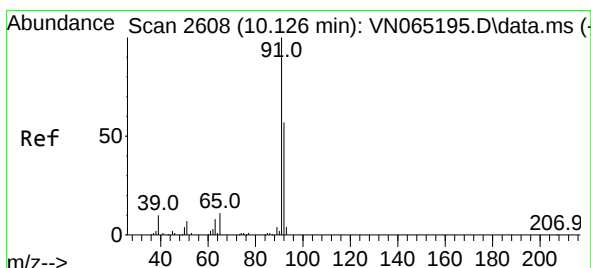
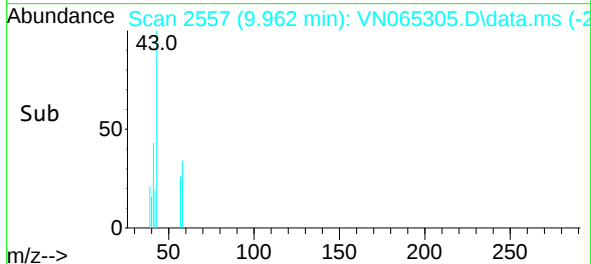
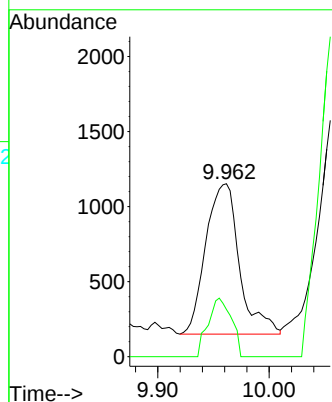
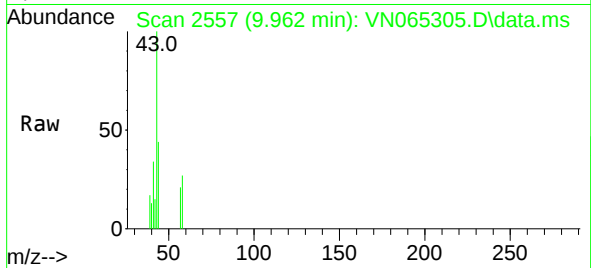




#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 9.962 min Scan# 2557
Delta R.T. 0.007 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

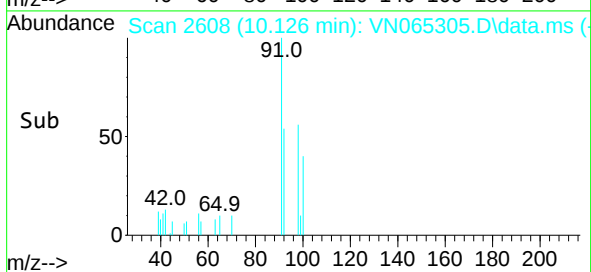
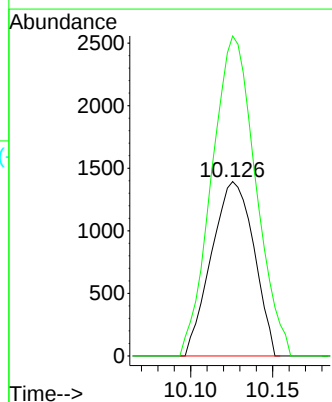
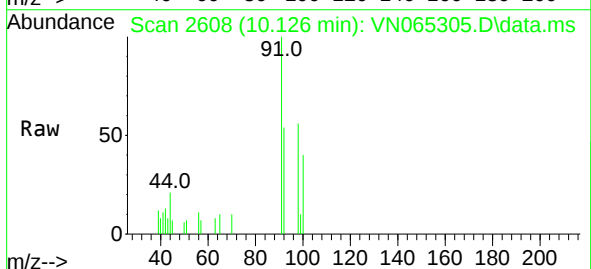
Instrument :
MSVOA_N
ClientSampled :
16882

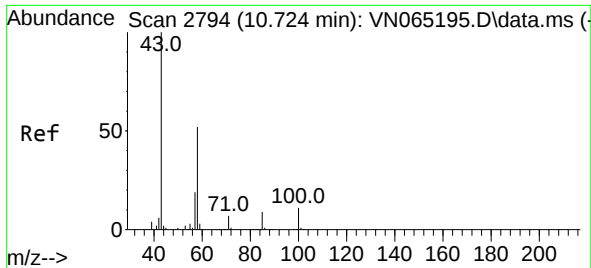
Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
58 27.0 32.4 48.6#



#52
Toluene
Concen: 0.31 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 92 Resp: 2507
Ion Ratio Lower Upper
92 100
91 189.5 139.1 208.7

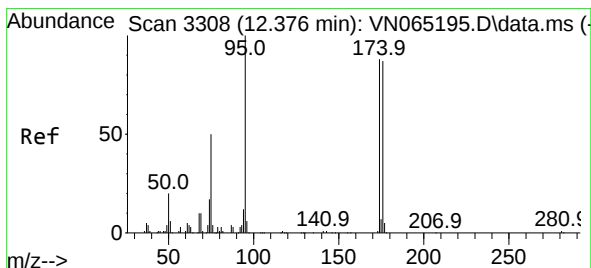
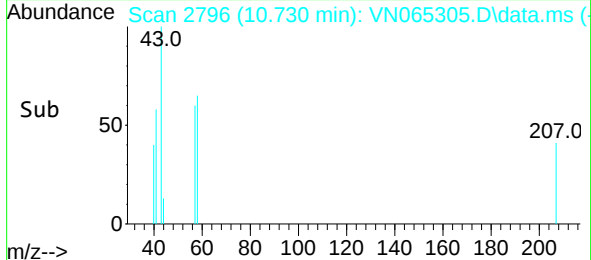
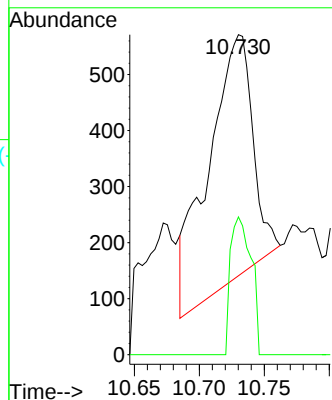
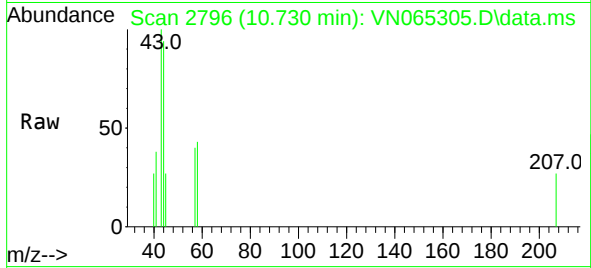




#59
2-Hexanone
Concen: 0.34 ug/l
RT: 10.730 min Scan# 2796
Delta R.T. 0.006 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

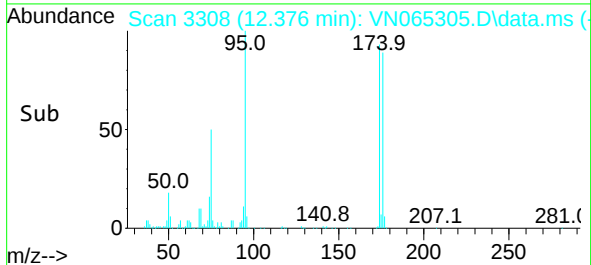
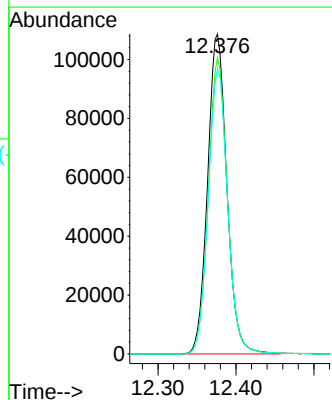
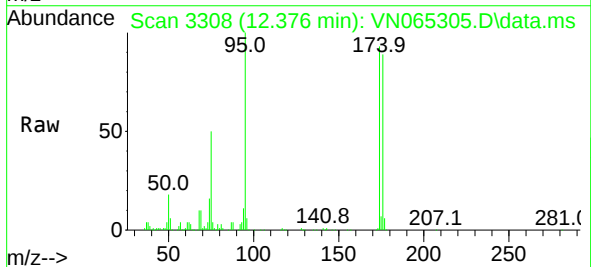
Instrument :
MSVOA_N
ClientSampled :
16882

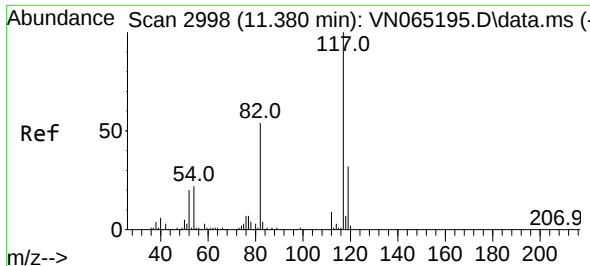
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 26.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 44.65 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 95 Resp: 187141
Ion Ratio Lower Upper
95 100
174 91.8 0.0 160.4
176 89.3 0.0 158.4

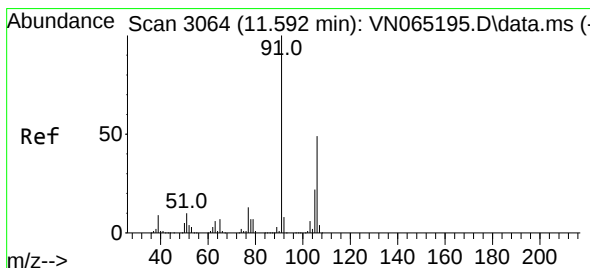
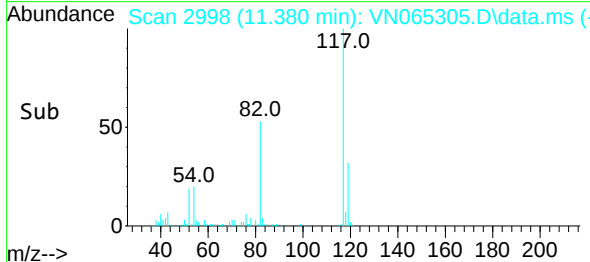
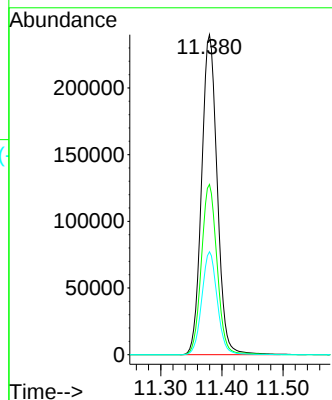
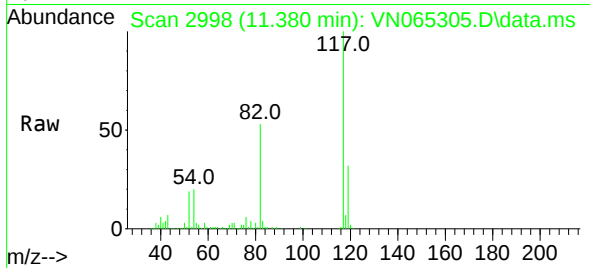




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

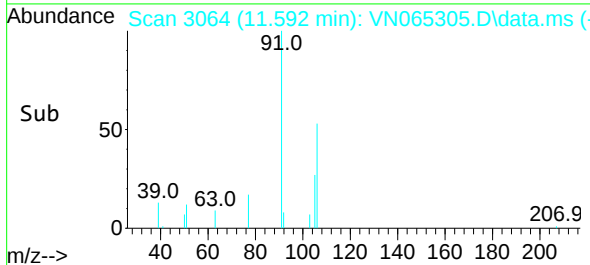
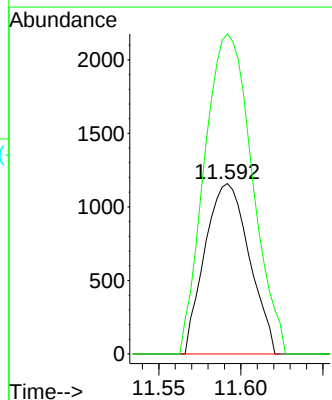
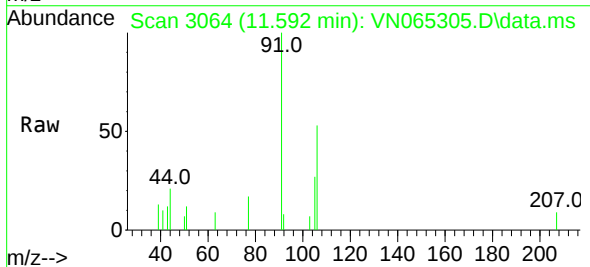
Instrument :
MSVOA_N
ClientSampled :
16882

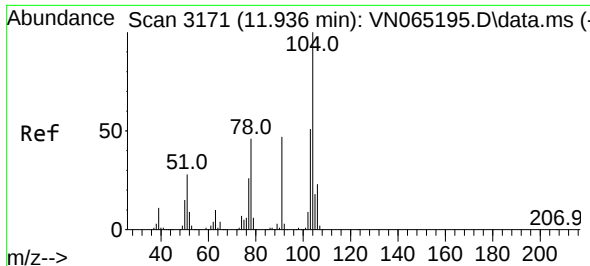
Tgt Ion:117 Resp: 425767
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.37 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion:106 Resp: 2179
Ion Ratio Lower Upper
106 100
91 201.6 161.0 241.4

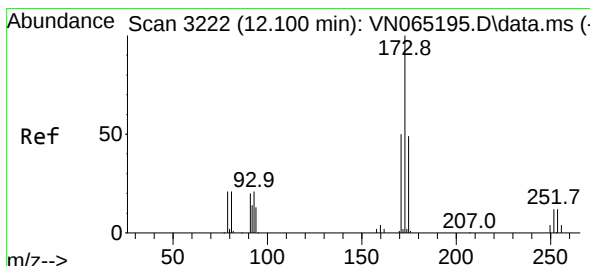
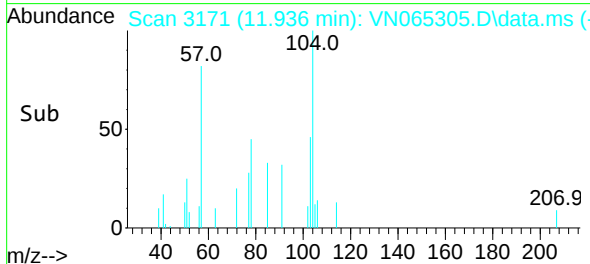
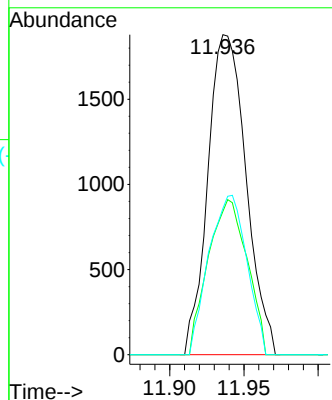
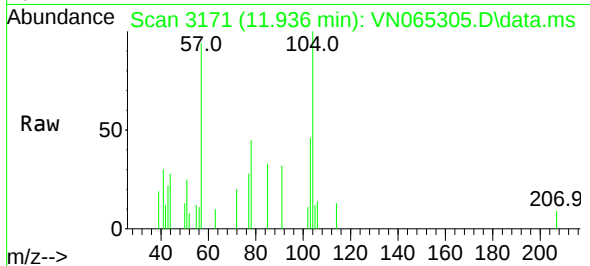




#70
Styrene
Concen: 0.35 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. -0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

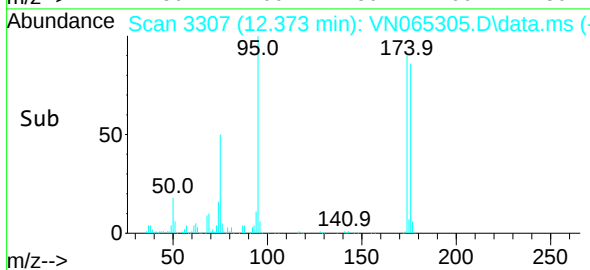
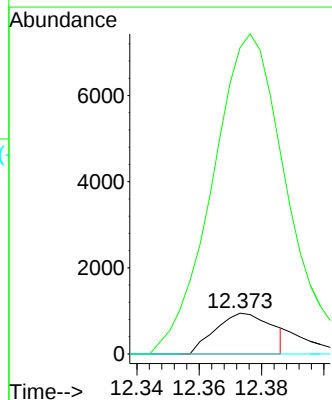
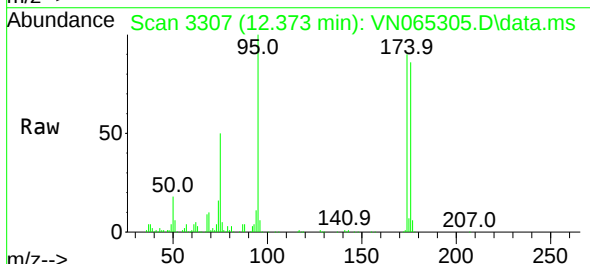
Instrument :
MSVOA_N
ClientSampled :
16882

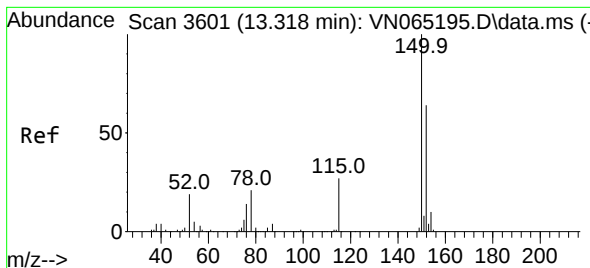
Tgt Ion:	104	Resp:	3364
Ion Ratio	Lower	Upper	
104	100		
78	49.6	39.0	58.6
103	49.4	44.3	66.5



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion:	173	Resp:	1192
Ion Ratio	Lower	Upper	
173	100		
175	864.4	24.3	72.8#
254	0.0	0.0	0.0

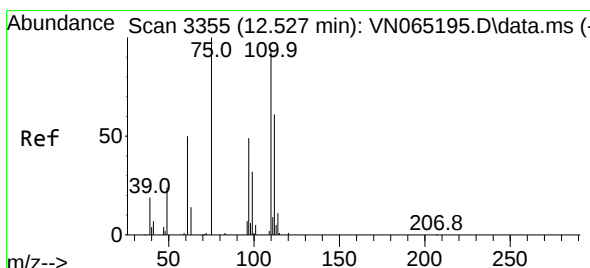
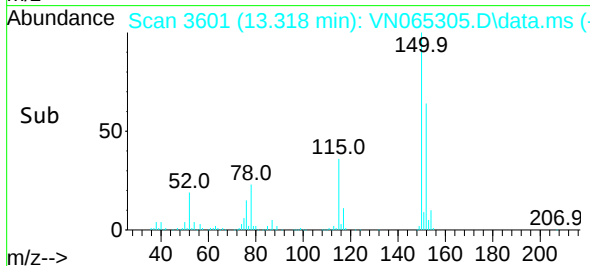
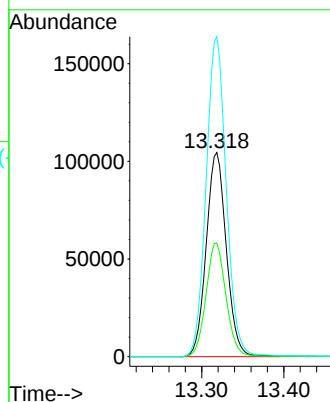
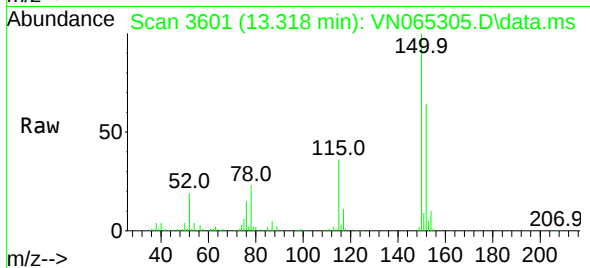




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

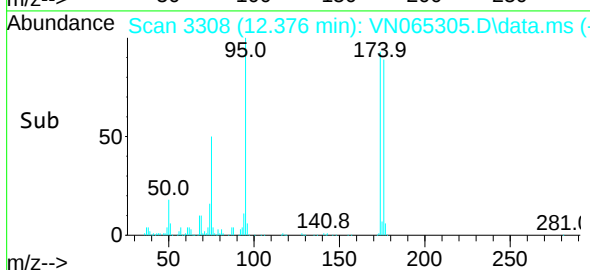
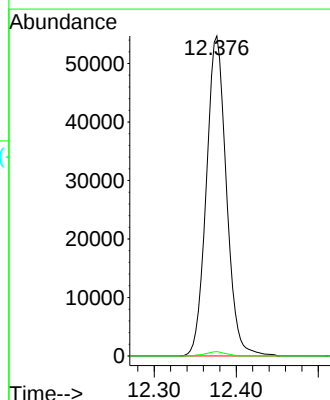
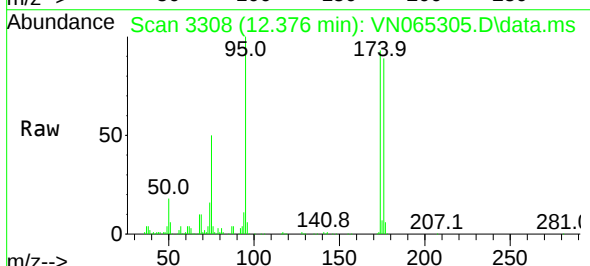
Instrument :
MSVOA_N
ClientSampleId :
16882

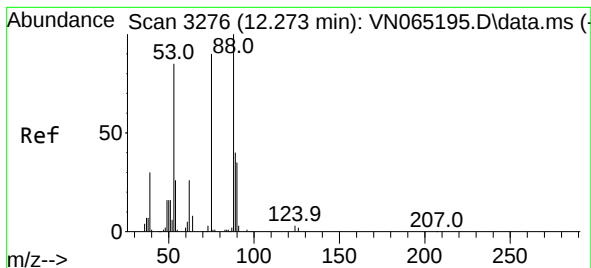
Tgt Ion:152 Resp: 178118
Ion Ratio Lower Upper
152 100
115 55.4 29.7 89.1
150 156.8 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 25.54 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 75 Resp: 92819
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

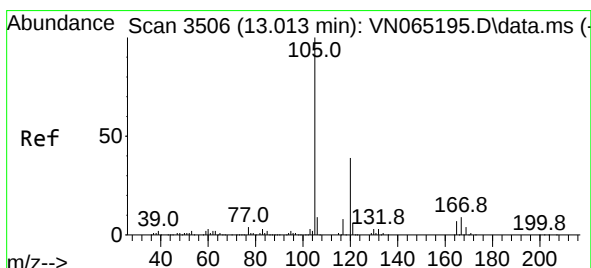
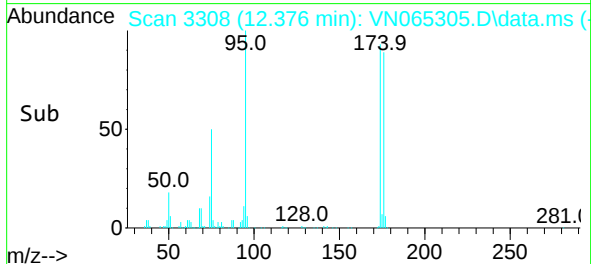
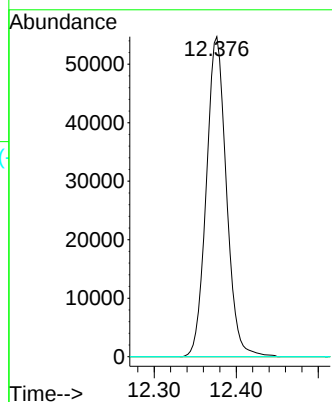
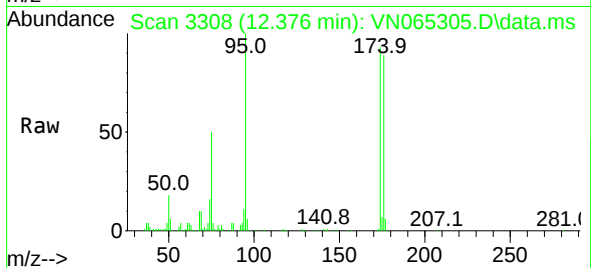




#81
trans-1,4-Dichloro-2-butene
Concen: 64.41 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

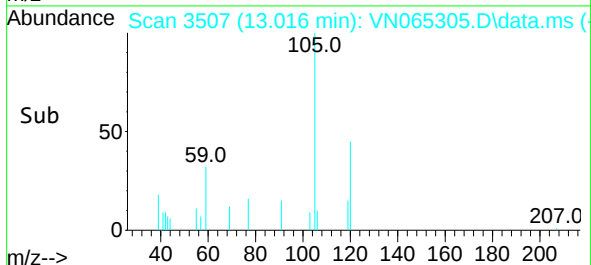
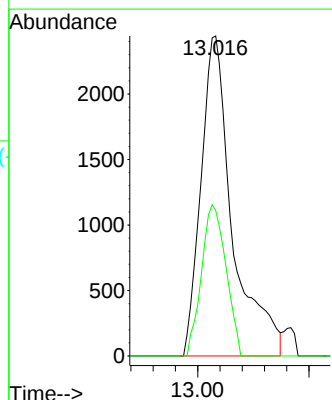
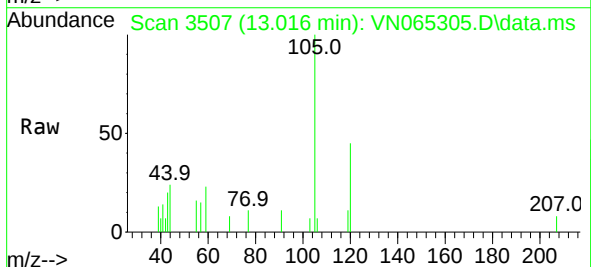
Instrument :
MSVOA_N
ClientSampleId :
16882

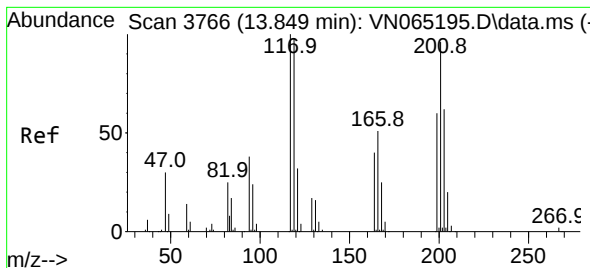
Tgt Ion: 75 Resp: 92819
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.43 ug/l
RT: 13.016 min Scan# 3507
Delta R.T. 0.003 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion: 105 Resp: 4802
Ion Ratio Lower Upper
105 100
120 36.6 23.1 69.2

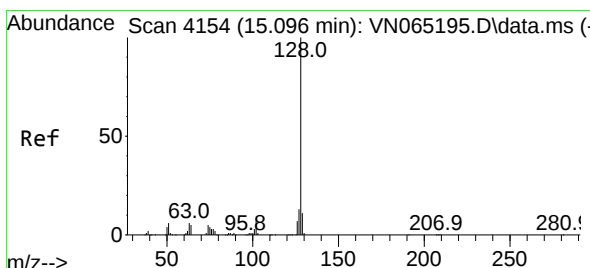
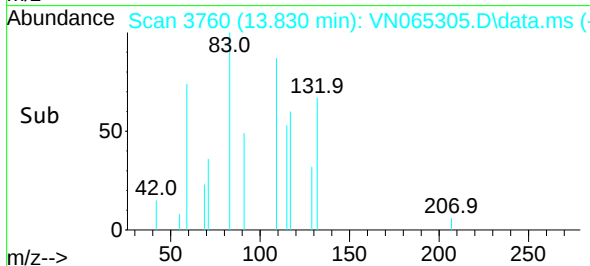
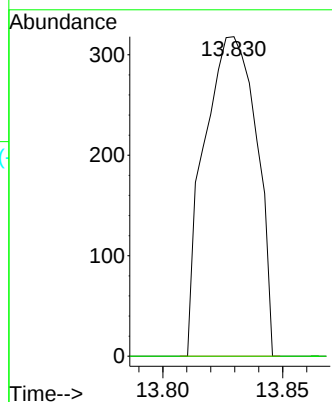
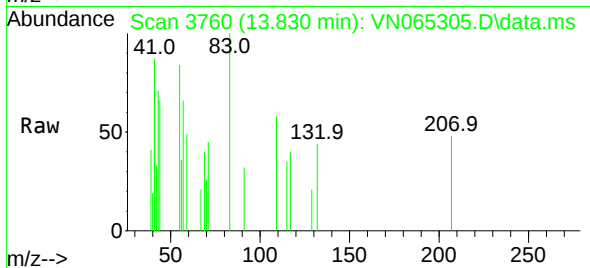




#90
Hexachloroethane
Concen: 0.23 ug/l
RT: 13.830 min Scan# 3760
Delta R.T. -0.019 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Instrument :
MSVOA_N
ClientSampleId :
16882

Tgt Ion:117 Resp: 480
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#



#95
Naphthalene
Concen: 3.69 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.004 min
Lab File: VN065305.D
Acq: 29 Dec 2020 14:46

Tgt Ion:128 Resp: 3156
Ion Ratio Lower Upper
128 100
127 9.8 10.3 15.5#
129 0.0 8.7 13.1#

