

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
 Data File : VN065266.D
 Acq On : 24 Dec 2020 17:07
 Operator : JC/MD
 Sample : L5189-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 08

Quant Time: Dec 25 02:39:45 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)

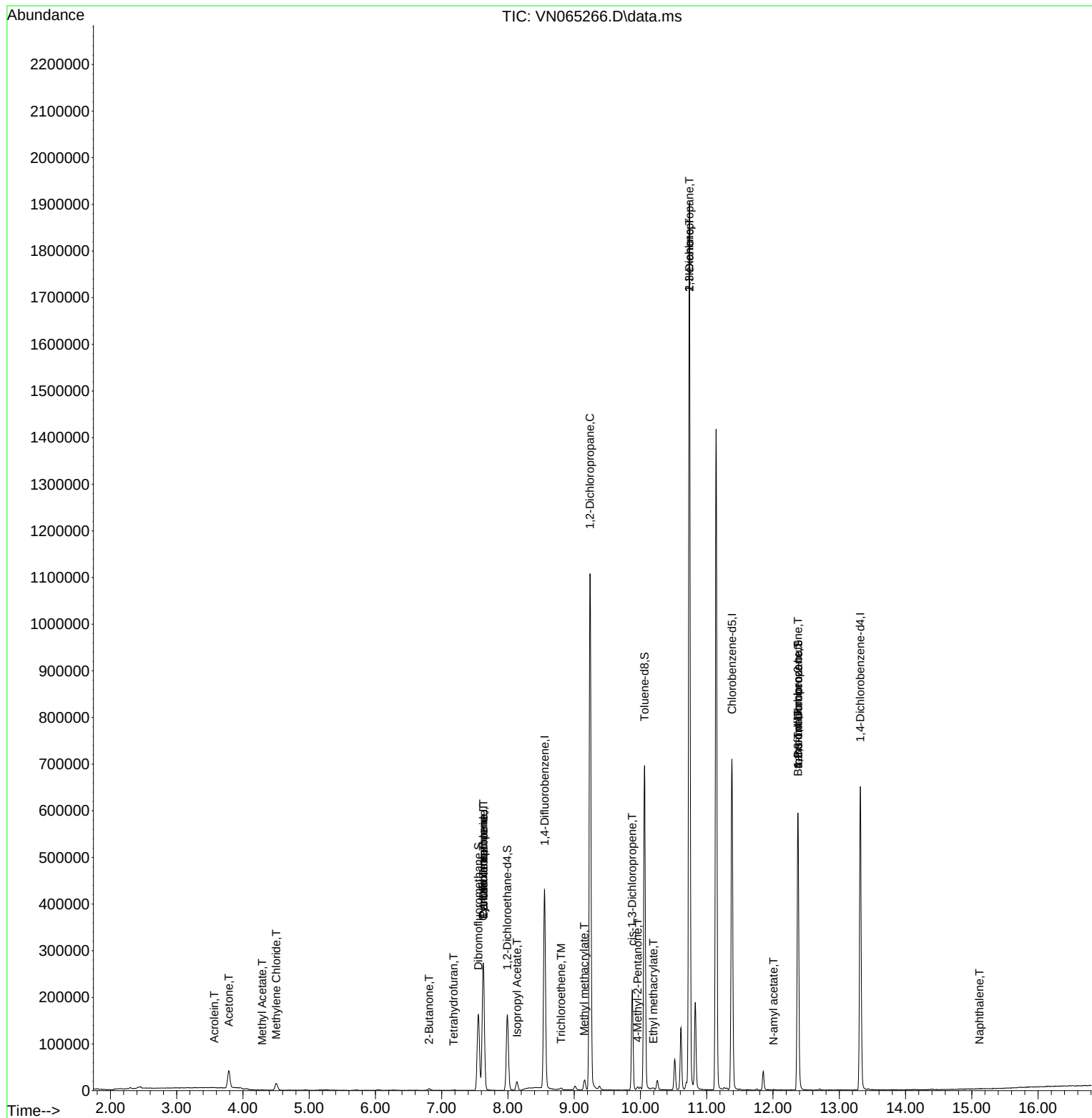
Internal Standards						
1) Pentafluorobenzene	7.627	168	245754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	398708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	421673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	189880	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	143040	51.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.12%			
35) Dibromofluoromethane	7.553	113	124308	51.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.36%			
50) Toluene-d8	10.061	98	491082	54.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.94%			
62) 4-Bromofluorobenzene	12.376	95	203091	56.25	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.50%			
Target Compounds					Qvalue	
13) Acrolein	3.566	56	172	2.97	ug/l #	67
16) Acetone	3.785	43	60660	43.20	ug/l	99
18) Methyl Acetate	4.290	43	2316	0.93	ug/l #	50
20) Methylene Chloride	4.502	84	11131	4.11	ug/l	99
25) 2-Butanone	6.807	43	3783	2.43	ug/l	91
29) Tetrahydrofuran	7.180	42	459	0.46	ug/l #	32
31) Cyclohexane	7.624	56	4487	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	15761	4.35	ug/l #	49
38) Carbon Tetrachloride	7.627	117	20932	5.50	ug/l #	16
43) Isopropyl Acetate	8.135	43	23390	3.78	ug/l	94
44) Trichloroethene	8.804	130	1343	0.43	ug/l	72
45) 1,2-Dichloropropane	9.238	63	1236	0.44	ug/l #	43
48) Methyl methacrylate	9.151	41	5955	1.98	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5015	1.44	ug/l	93
54) cis-1,3-Dichloropropene	9.875	75	39172	8.15	ug/l #	64
56) Ethyl methacrylate	10.196	69	2686	0.64	ug/l #	44
57) 1,3-Dichloropropane	10.737	76	20045	4.52	ug/l #	42
59) 2-Hexanone	10.737	43	281453	109.95	ug/l #	48
71) Bromoform	12.380	173	1129	0.39	ug/l #	1
74) N-amyl acetate	12.007	43	1332	0.23	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	102963	26.58	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	102963	67.02	ug/l #	15
95) Naphthalene	15.116	128	61	3.38	ug/l #	69

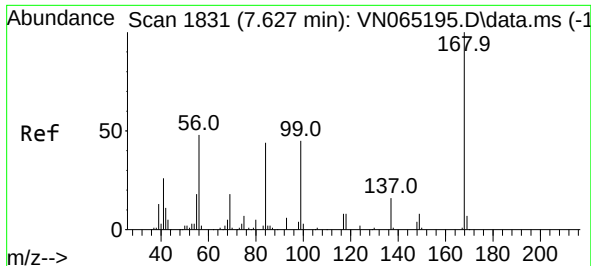
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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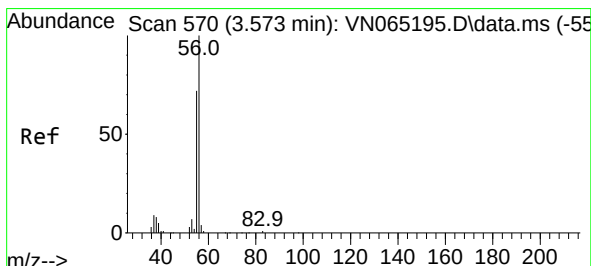
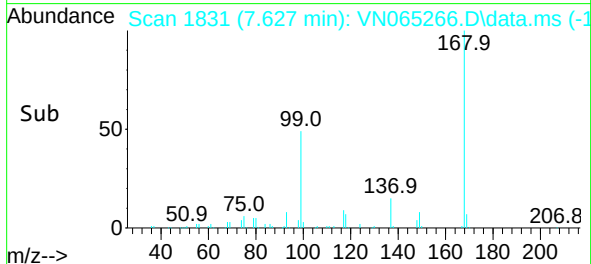
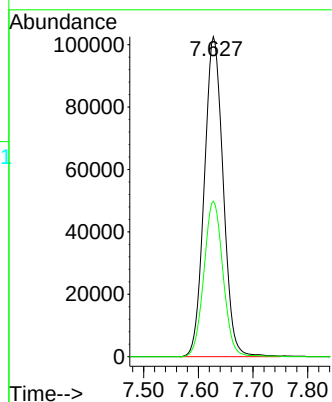
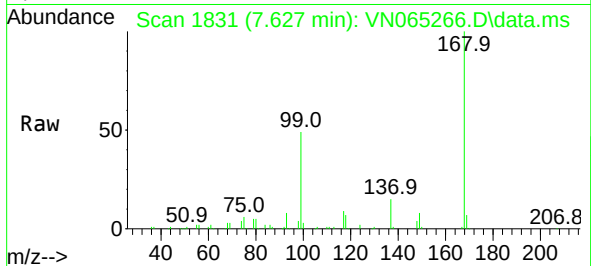




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

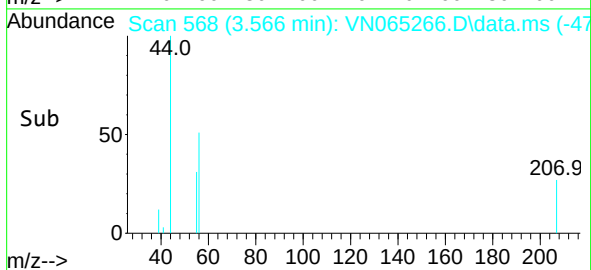
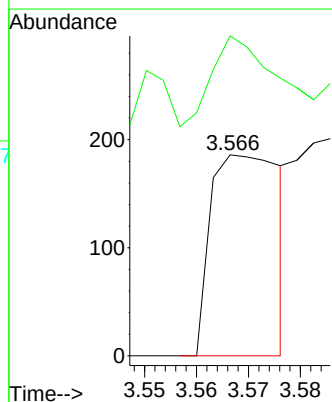
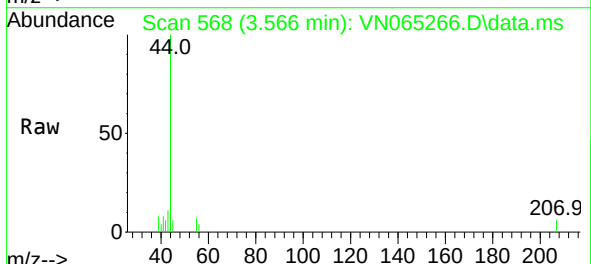
Instrument :
MSVOA_N
ClientSampled :
08

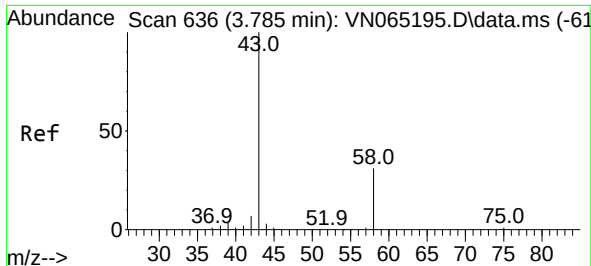
Tgt Ion:168 Resp: 245754
Ion Ratio Lower Upper
168 100
99 48.6 43.0 64.4



#13
Acrolein
Concen: 2.97 ug/l
RT: 3.566 min Scan# 568
Delta R.T. -0.007 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

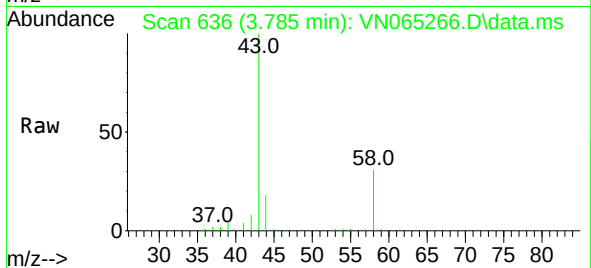
Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 43.0 56.5 84.7#



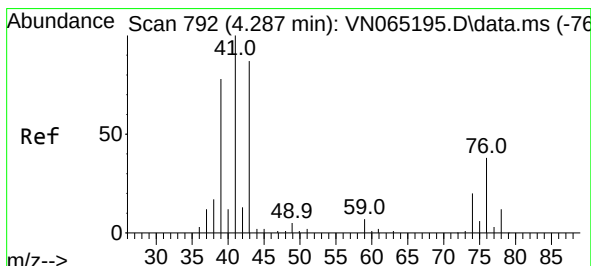
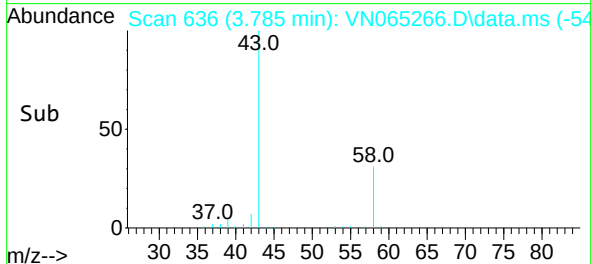
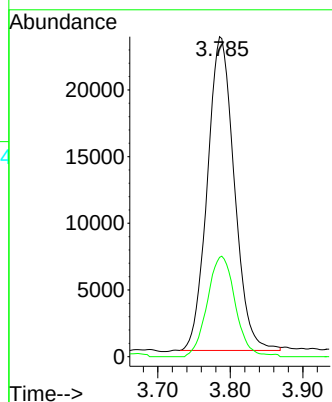


#16
Acetone
Concen: 43.20 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
08

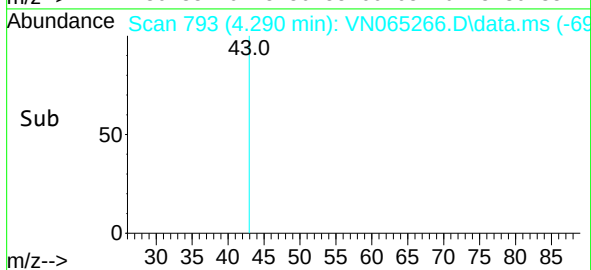
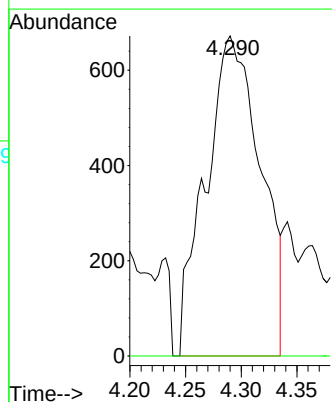
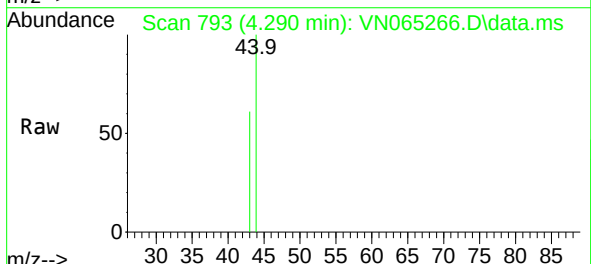


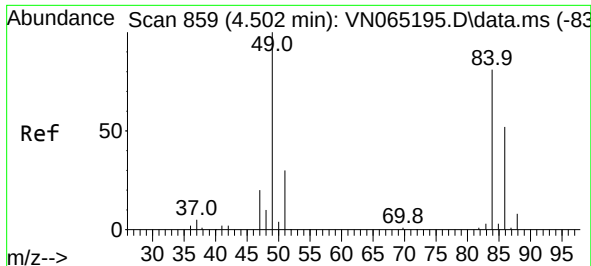
Tgt Ion: 43 Resp: 60660
Ion Ratio Lower Upper
43 100
58 31.7 25.7 38.5



#18
Methyl Acetate
Concen: 0.93 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

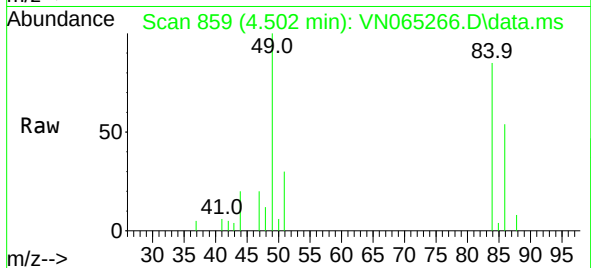
Tgt Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



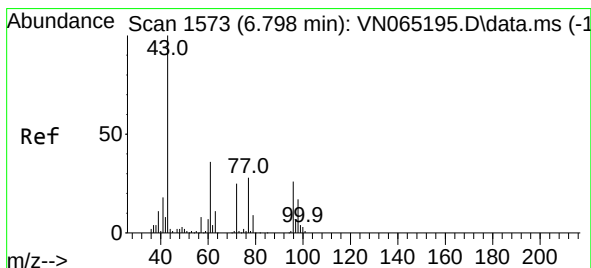
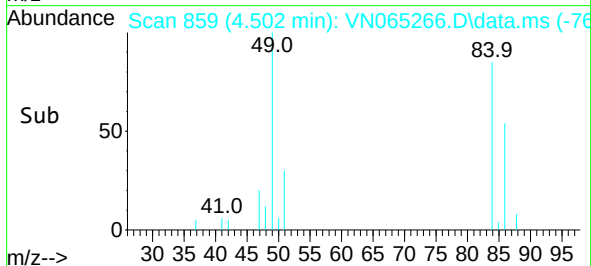
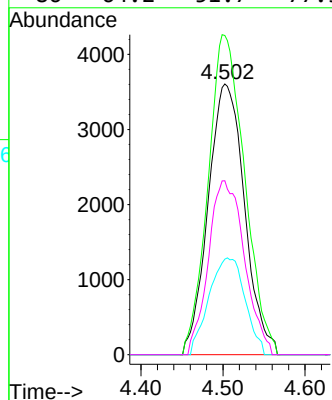


#20
Methylene Chloride
Concen: 4.11 ug/l
RT: 4.502 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

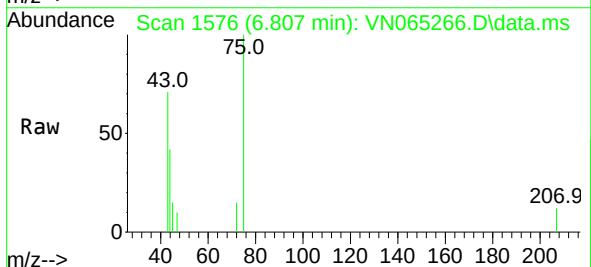
Instrument :
MSVOA_N
ClientSampled :
08



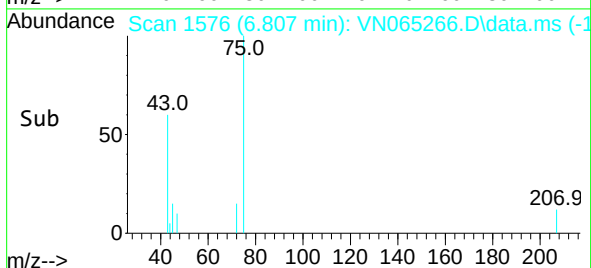
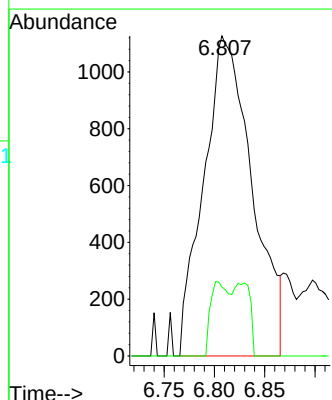
Tgt Ion:	84	Resp:	11131
Ion	Ratio	Lower	Upper
84	100		
49	117.9	93.4	140.0
51	35.3	28.2	42.4
86	64.2	51.7	77.5

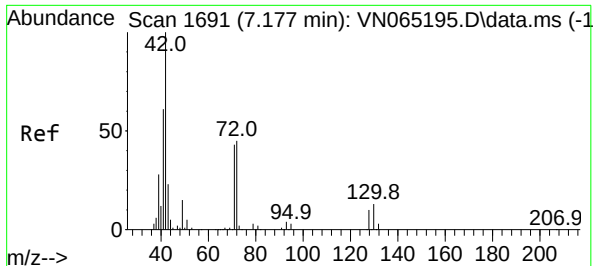


#25
2-Butanone
Concen: 2.43 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.009 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07



Tgt Ion:	43	Resp:	3783
Ion	Ratio	Lower	Upper
43	100		
72	21.6	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 7.180 min Scan# 1692

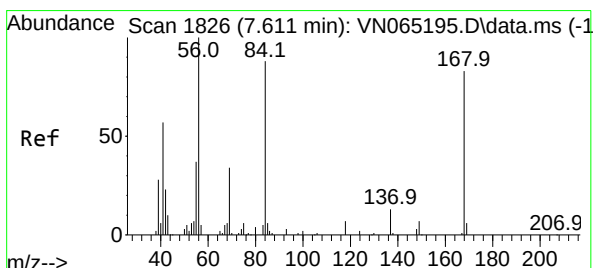
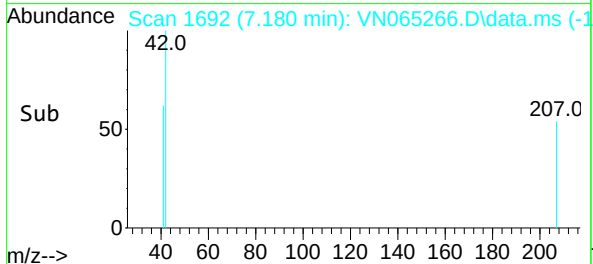
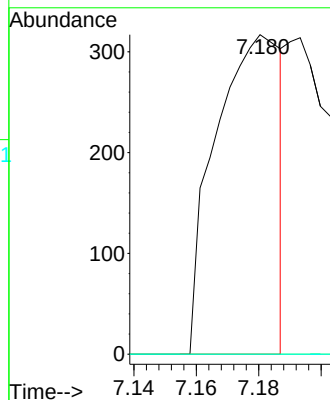
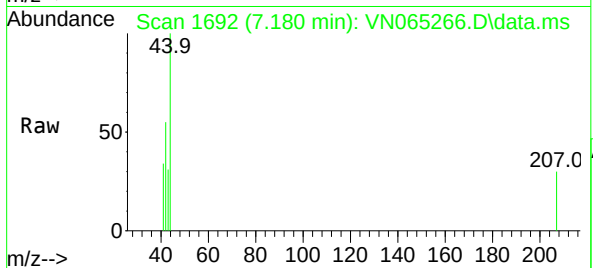
Delta R.T. 0.003 min

Lab File: VN065266.D

Acq: 24 Dec 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
08

Tgt Ion:	42	Resp:	459
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.10 ug/l

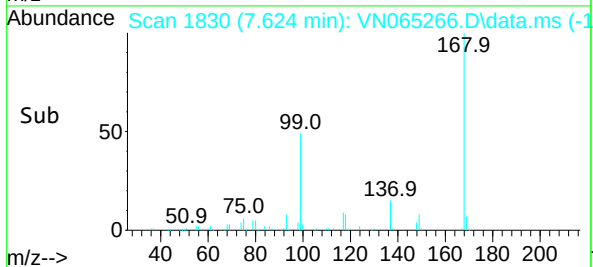
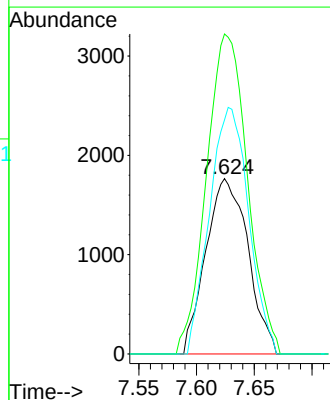
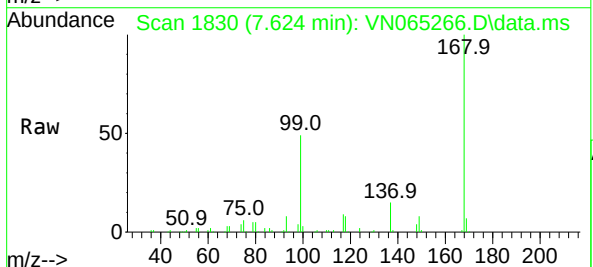
RT: 7.624 min Scan# 1830

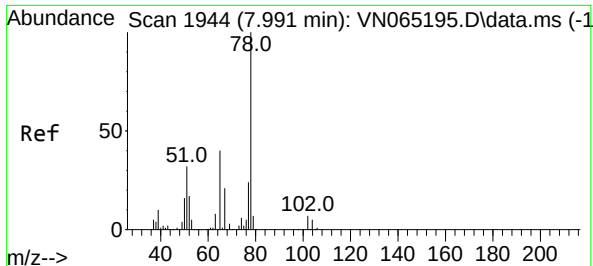
Delta R.T. 0.013 min

Lab File: VN065266.D

Acq: 24 Dec 2020 17:07

Tgt Ion:	56	Resp:	4487
Ion	Ratio	Lower	Upper
56	100		
69	182.5	27.5	41.3#
84	133.5	73.9	110.9#

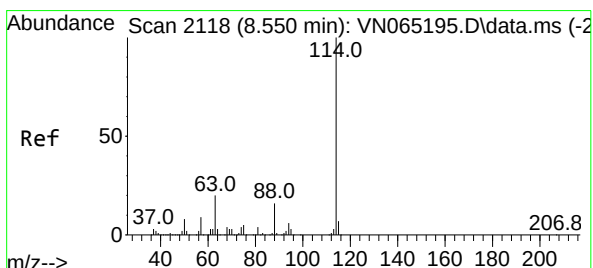
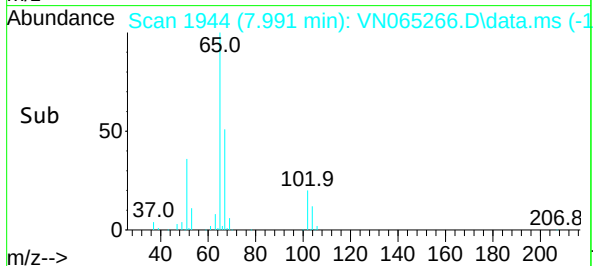
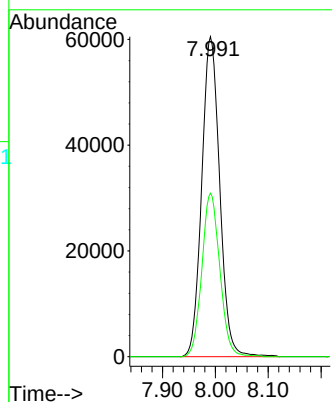
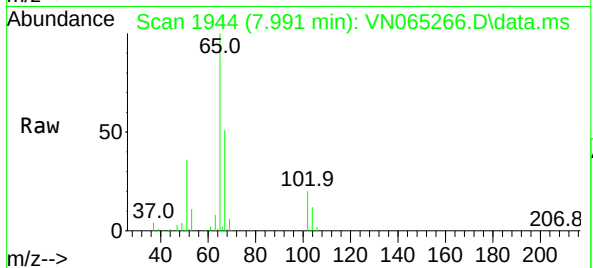




#33
1,2-Dichloroethane-d4
Concen: 51.56 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

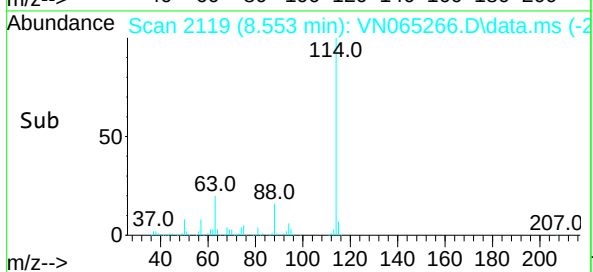
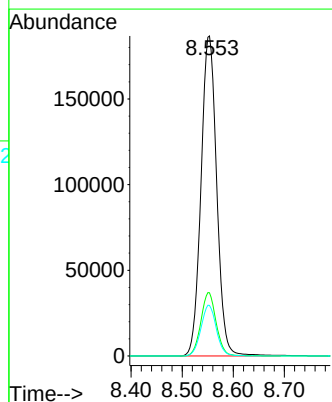
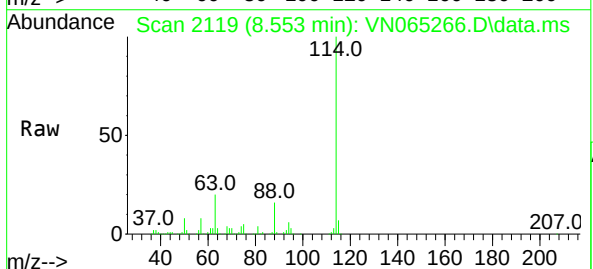
Instrument :
MSVOA_N
ClientSampled :
08

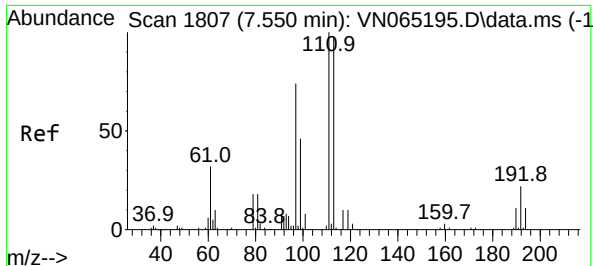
Tgt Ion: 65 Resp: 143040
Ion Ratio Lower Upper
65 100
67 51.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 114 Resp: 398708
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.6
88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.68 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065266.D

Acq: 24 Dec 2020 17:07

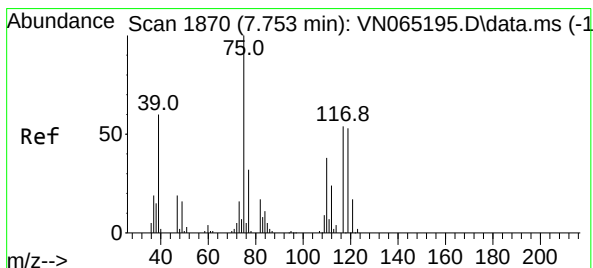
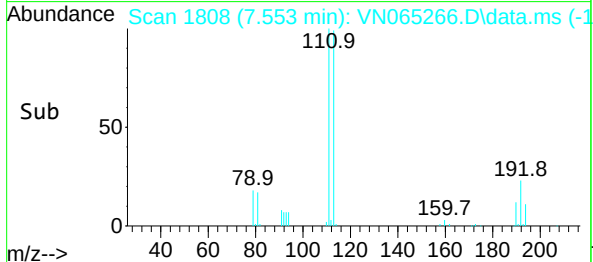
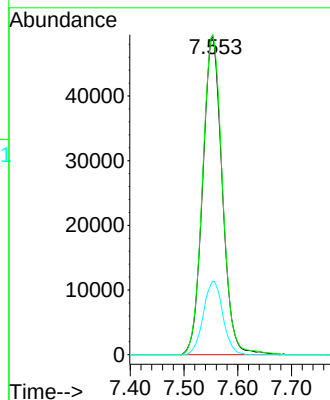
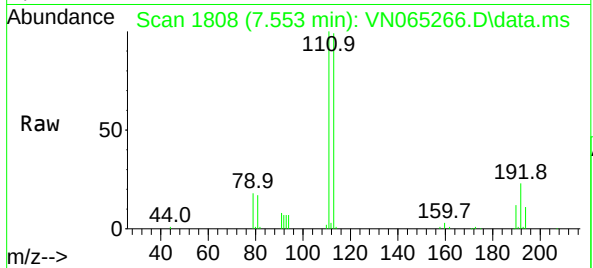
Tgt Ion: 113 Resp: 124308

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

192 23.0 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.35 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065266.D

Acq: 24 Dec 2020 17:07

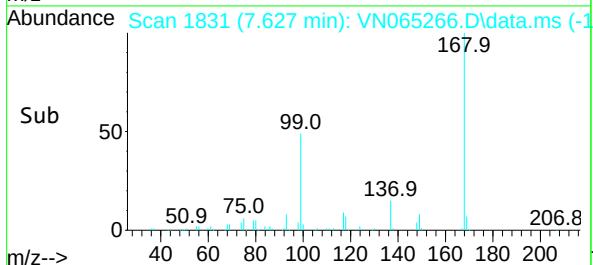
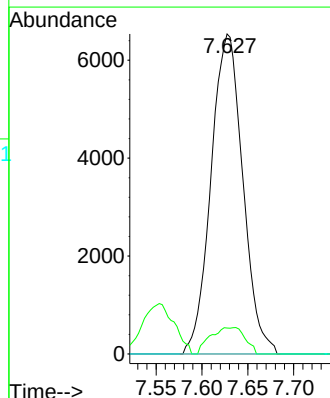
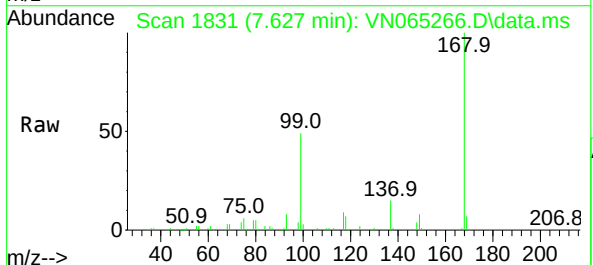
Tgt Ion: 75 Resp: 15761

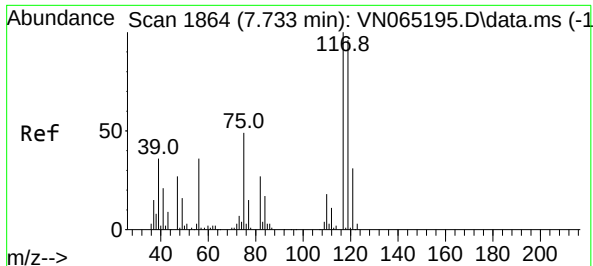
Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

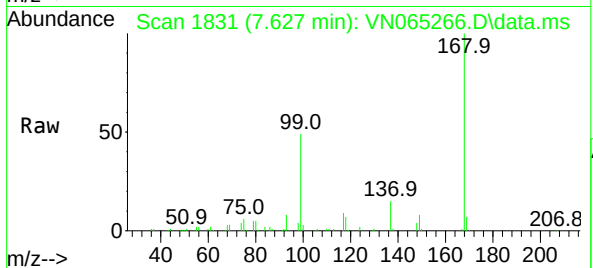
77 0.0 25.0 37.4#



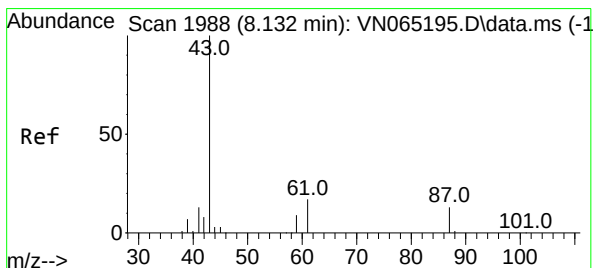
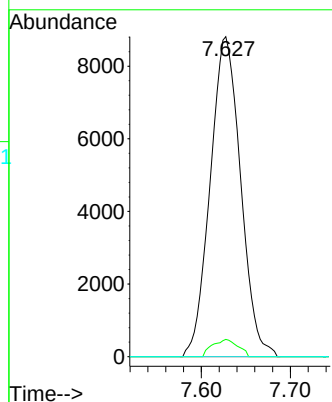
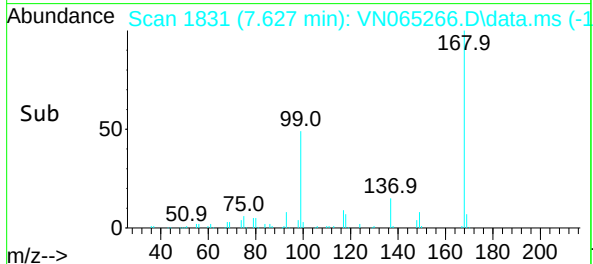


#38
Carbon Tetrachloride
Concen: 5.50 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

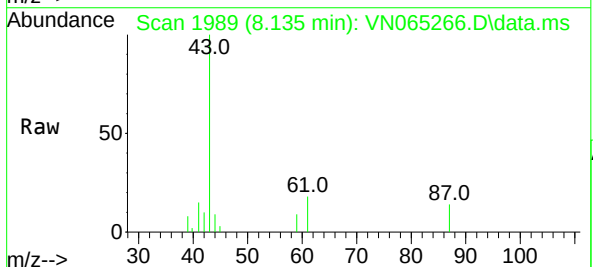
Instrument :
MSVOA_N
ClientSampled :
08



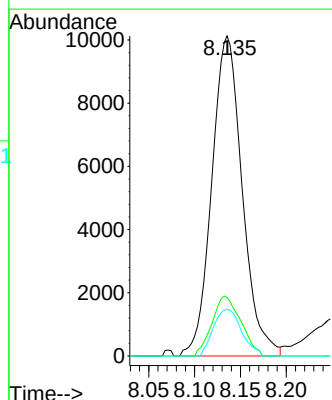
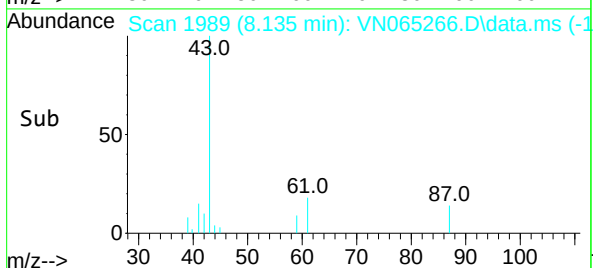
Tgt Ion:117 Resp: 20932
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 25.4 38.2#

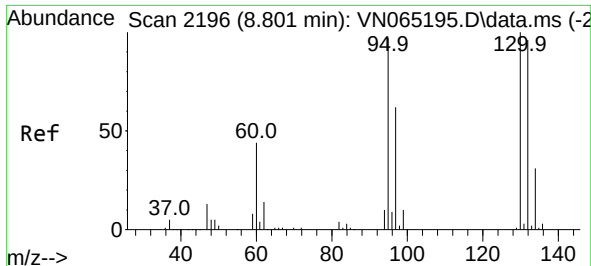


#43
Isopropyl Acetate
Concen: 3.78 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07



Tgt Ion: 43 Resp: 23390
Ion Ratio Lower Upper
43 100
61 17.7 17.2 25.8
87 13.4 11.4 17.0

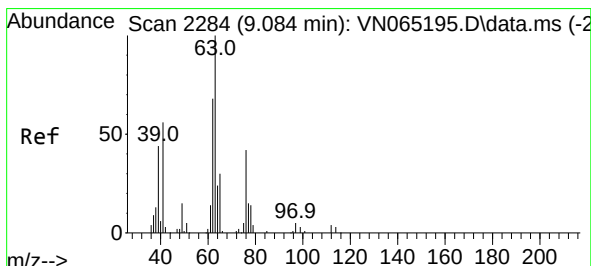
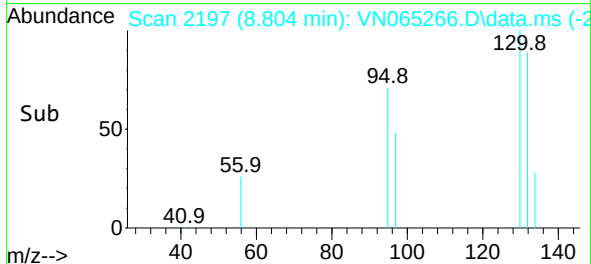
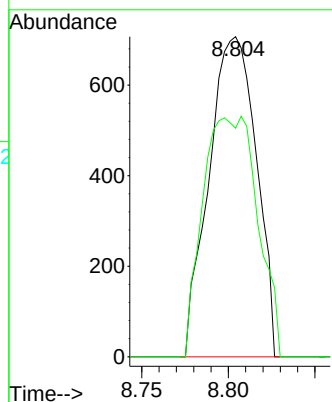
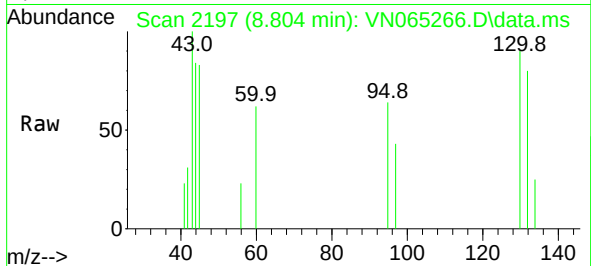




#44
 Trichloroethene
 Concen: 0.43 ug/l
 RT: 8.804 min Scan# 2197
 Delta R.T. 0.003 min
 Lab File: VN065266.D
 Acq: 24 Dec 2020 17:07

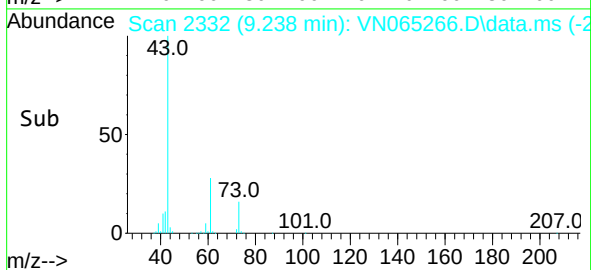
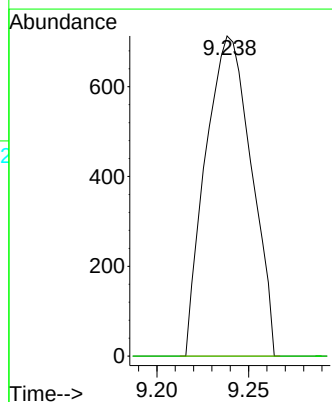
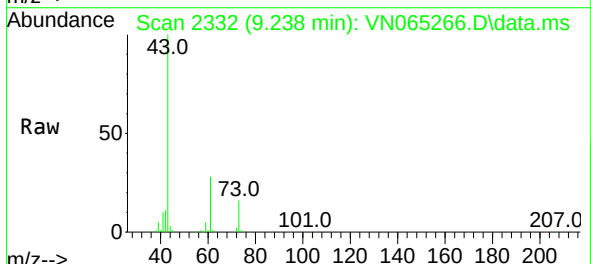
Instrument :
 MSVOA_N
 ClientSampled :
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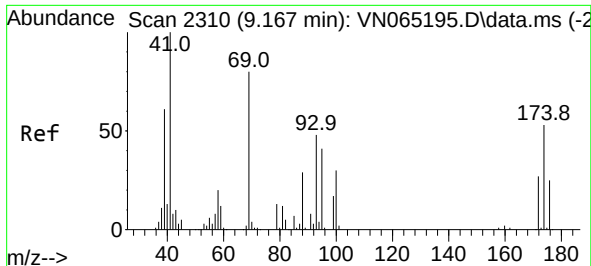
Tgt Ion:130 Resp: 1343
 Ion Ratio Lower Upper
 130 100
 95 71.4 0.0 197.8



#45
 1,2-Dichloropropane
 Concen: 0.44 ug/l
 RT: 9.238 min Scan# 2332
 Delta R.T. 0.154 min
 Lab File: VN065266.D
 Acq: 24 Dec 2020 17:07

Tgt Ion: 63 Resp: 1236
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#

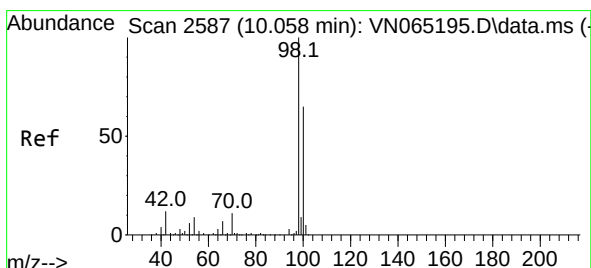
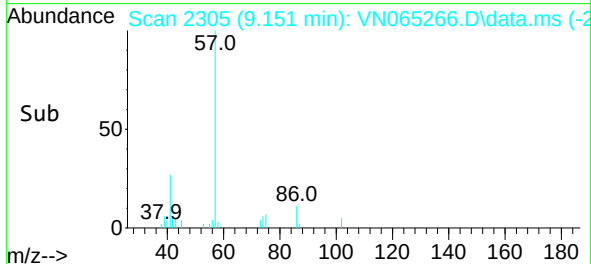
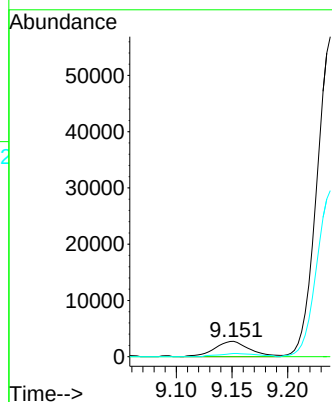
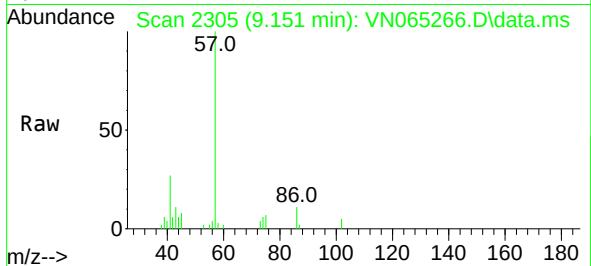




#48
Methyl methacrylate
Concen: 1.98 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

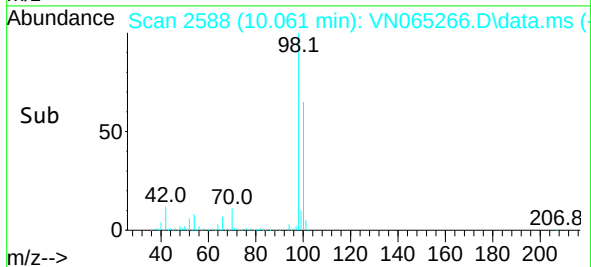
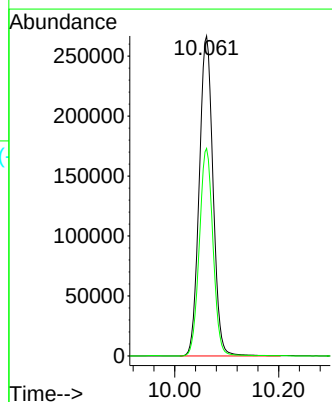
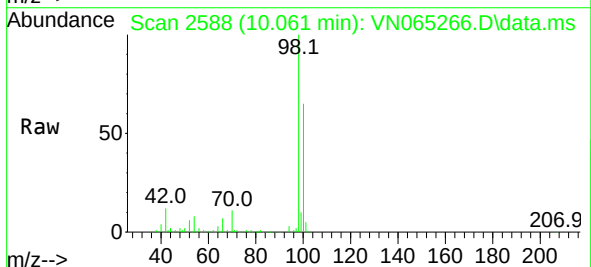
Instrument :
MSVOA_N
ClientSampled :
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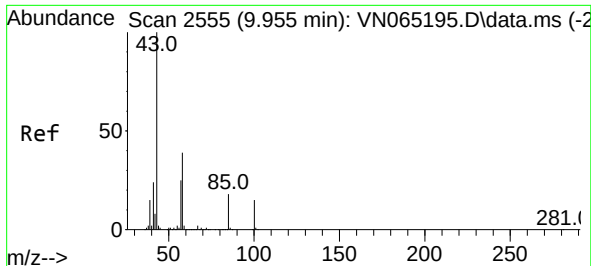
Tgt Ion: 41 Resp: 5955
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 54.47 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 98 Resp: 491082
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

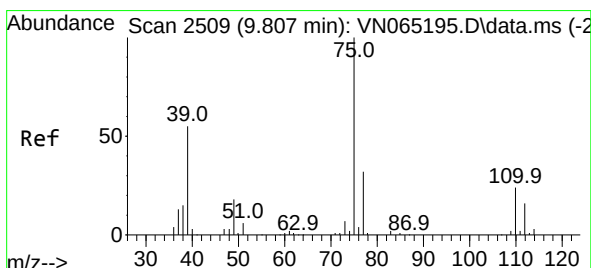
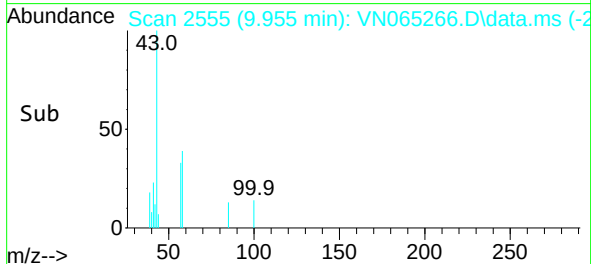
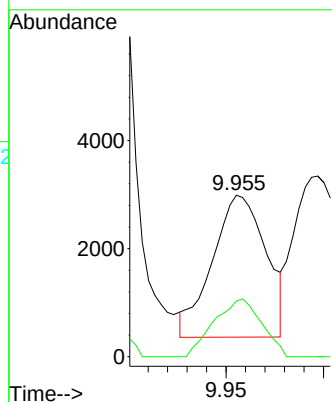
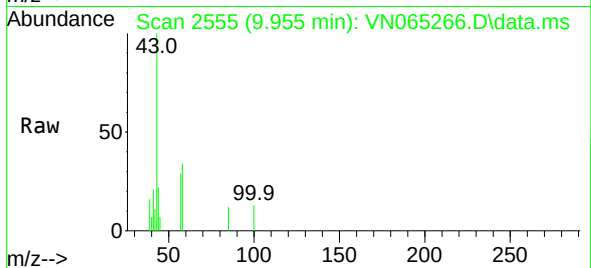




#51
4-Methyl-2-Pentanone
Concen: 1.44 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

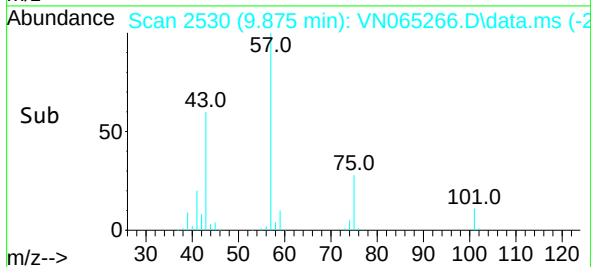
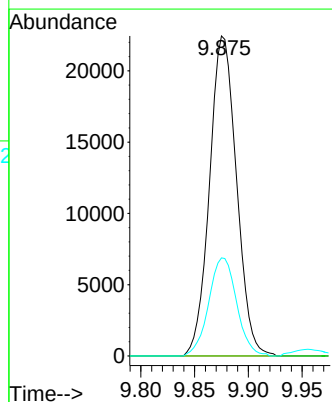
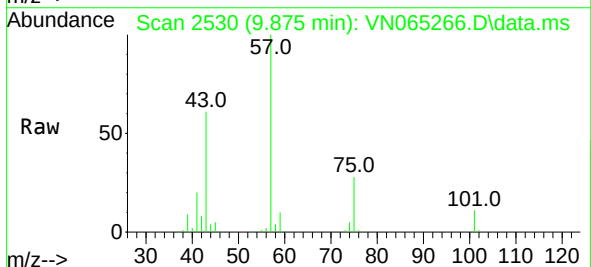
Instrument :
MSVOA_N
ClientSampled :
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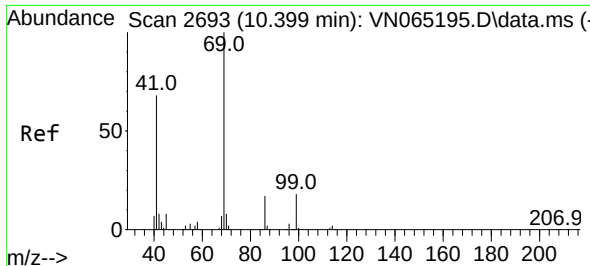
Tgt Ion: 43 Resp: 5015
Ion Ratio Lower Upper
43 100
58 36.1 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.15 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 75 Resp: 39172
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 30.7 35.6 53.4#

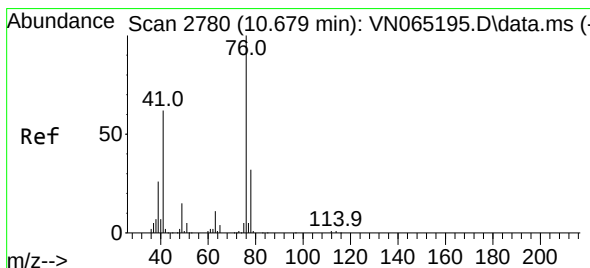
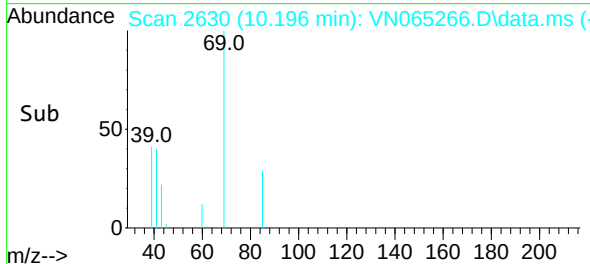
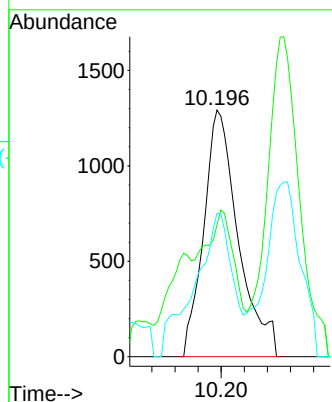
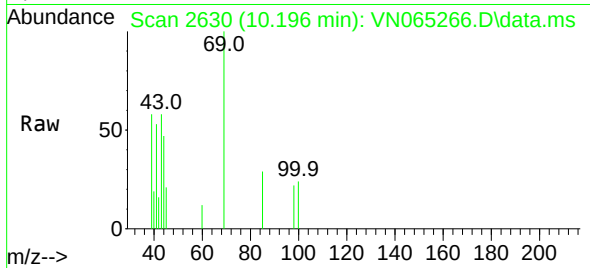




#56
Ethyl methacrylate
Concen: 0.64 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

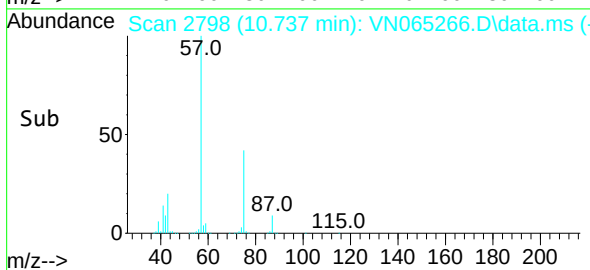
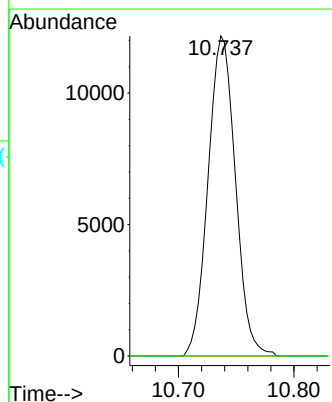
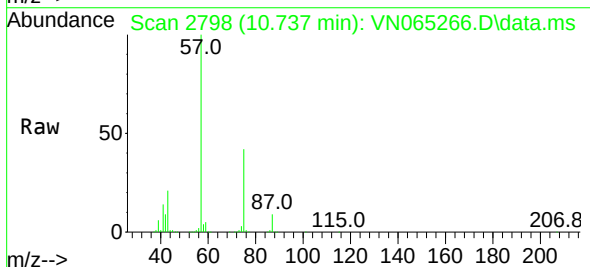
Instrument :
MSVOA_N
ClientSampleId :
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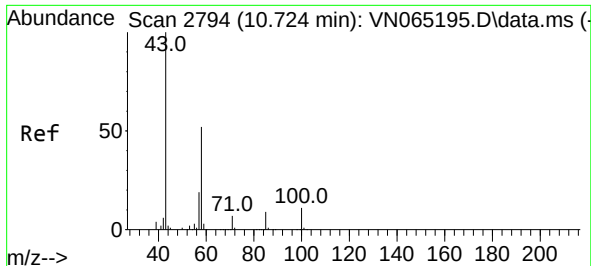
Tgt Ion: 69 Resp: 2686
Ion Ratio Lower Upper
69 100
41 19.1 49.4 74.0#
39 63.8 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 4.52 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 76 Resp: 20045
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

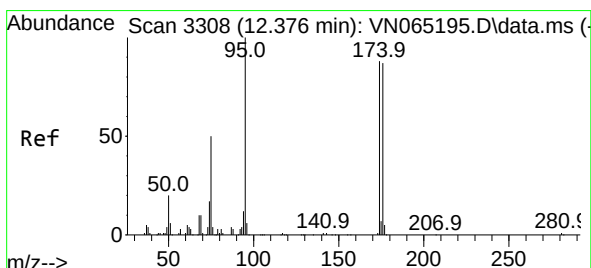
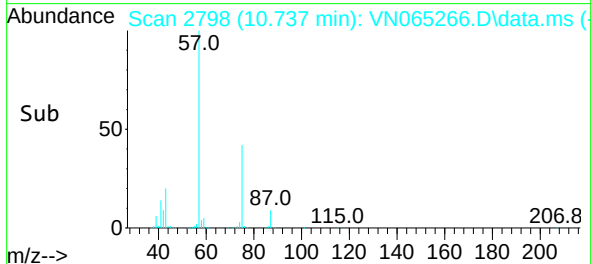
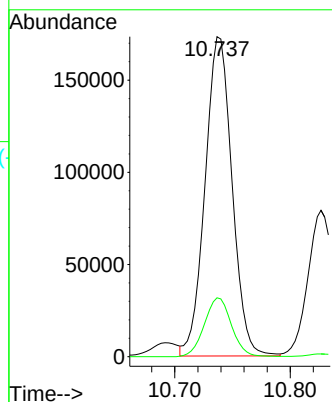
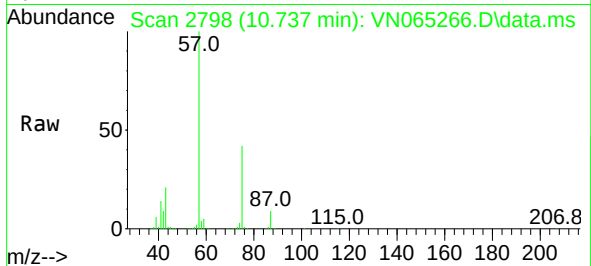




#59
2-Hexanone
Concen: 109.95 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

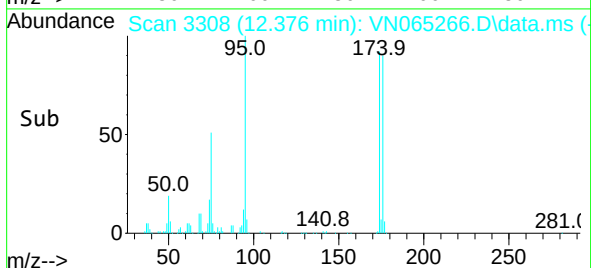
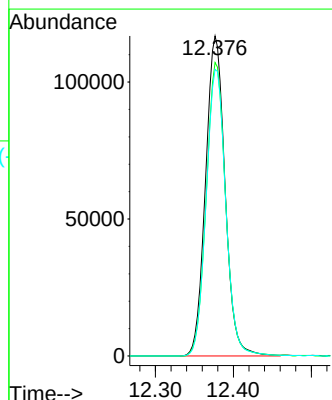
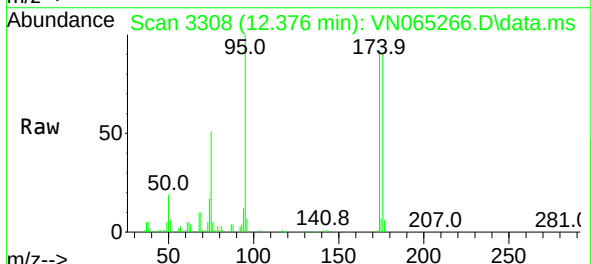
Instrument :
MSVOA_N
ClientSampled :
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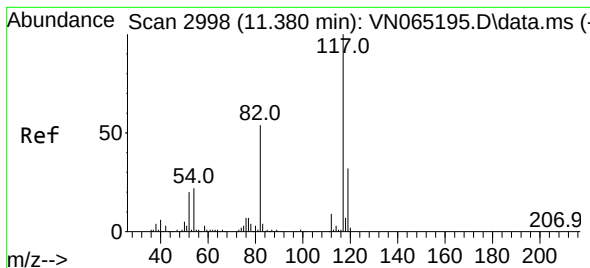
Tgt Ion: 43 Resp: 281453
Ion Ratio Lower Upper
43 100
58 18.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 56.25 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 95 Resp: 203091
Ion Ratio Lower Upper
95 100
174 91.1 0.0 160.4
176 90.2 0.0 158.4

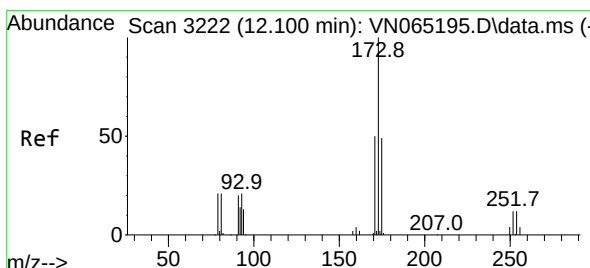
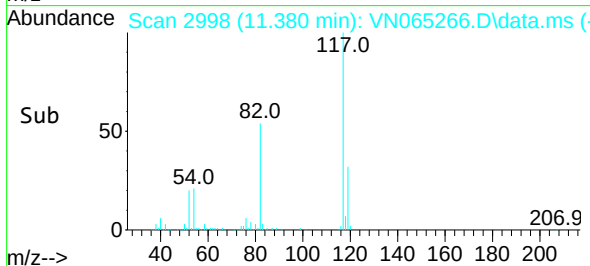
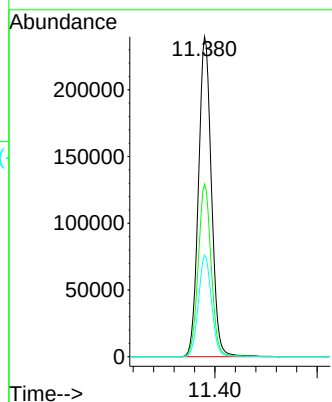
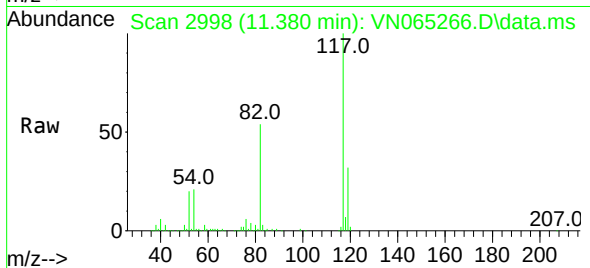




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

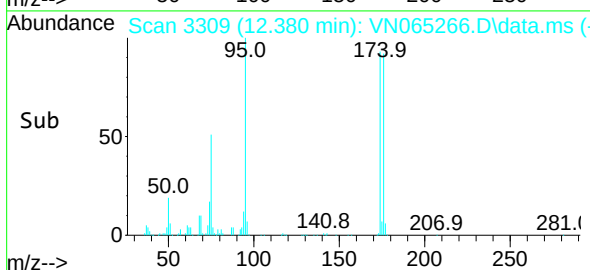
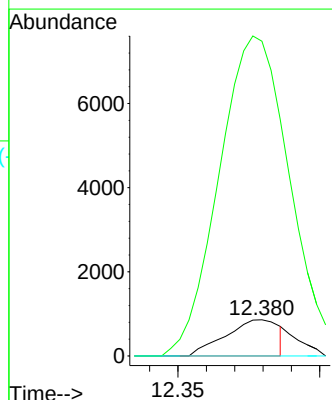
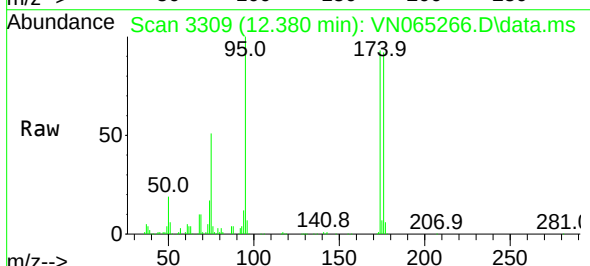
Instrument :
MSVOA_N
ClientSampled :
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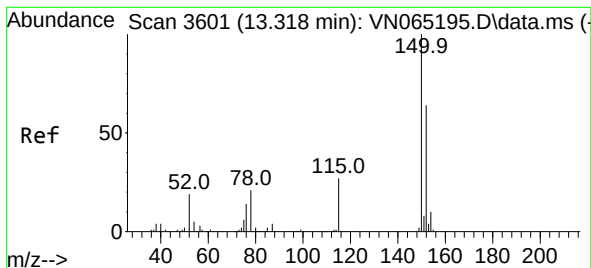
Tgt Ion:117 Resp: 421673
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.7 25.8 38.6



#71
Bromoform
Concen: 0.39 ug/l
RT: 12.380 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion:173 Resp: 1129
Ion Ratio Lower Upper
173 100
175 959.6 24.3 72.8#
254 0.0 0.0 0.0

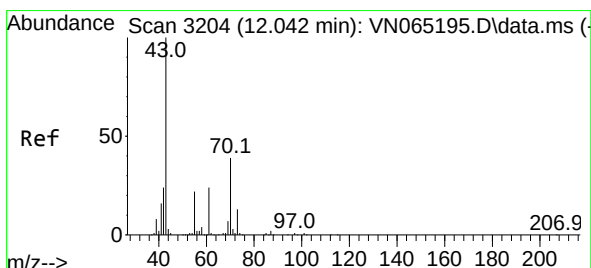
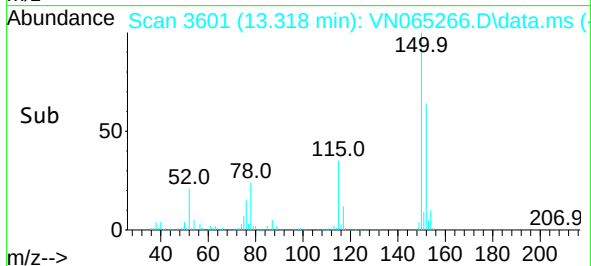
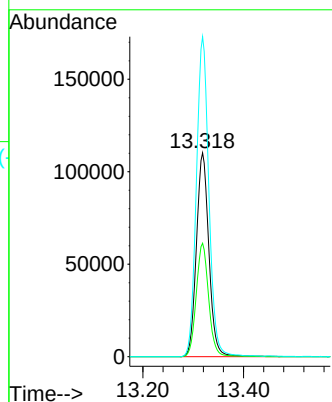
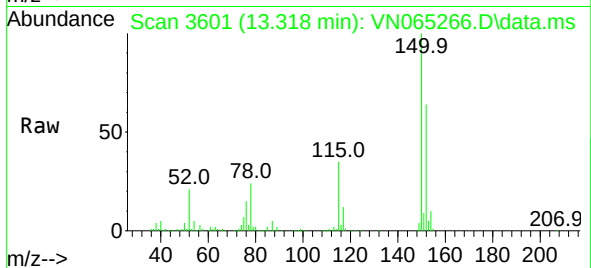




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

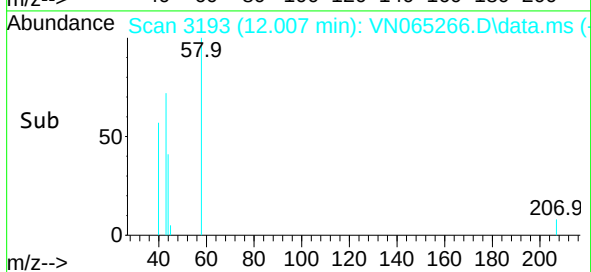
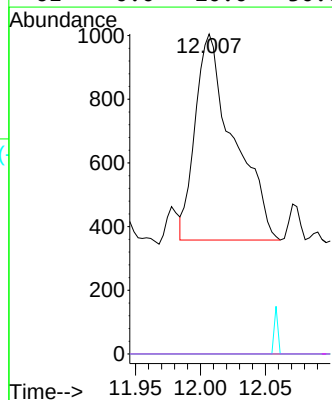
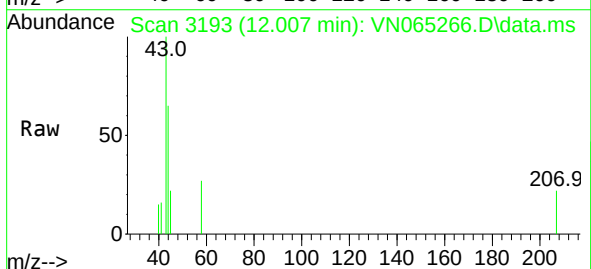
Instrument :
MSVOA_N
ClientSampleId :
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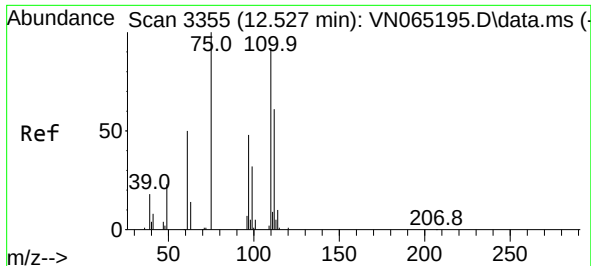
Tgt Ion:152 Resp: 189880
Ion Ratio Lower Upper
152 100
115 55.2 29.7 89.1
150 157.1 0.0 350.6



#74
N-ethyl acetate
Concen: 0.23 ug/l
RT: 12.007 min Scan# 3193
Delta R.T. -0.035 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 20.4 30.6#
61 0.0 20.0 30.0#

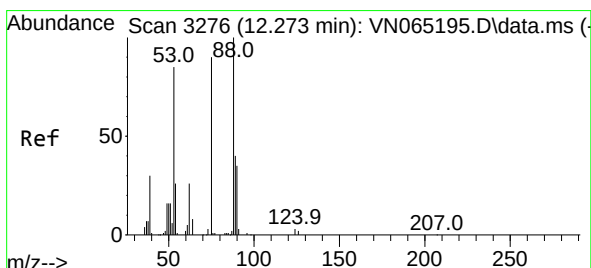
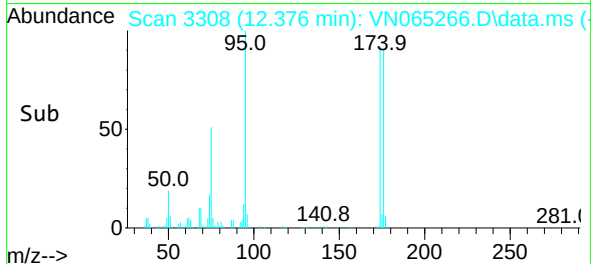
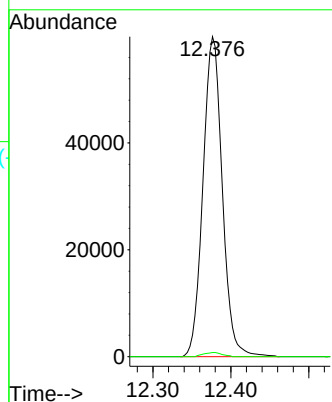
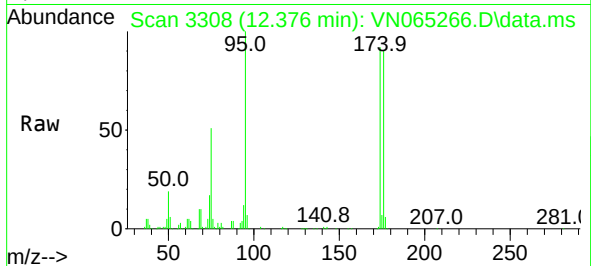




#76
1,2,3-Trichloropropane
Concen: 26.58 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

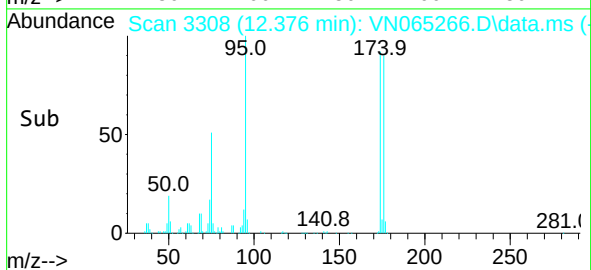
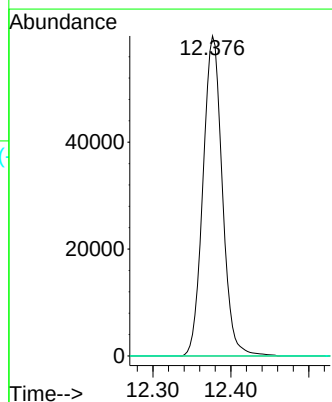
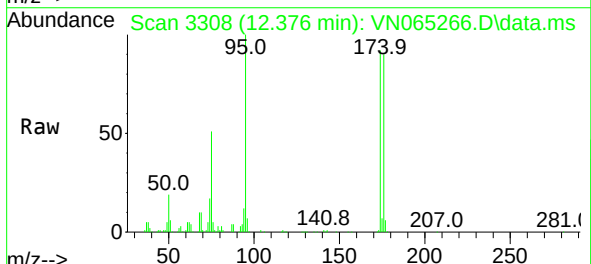
Instrument :
MSVOA_N
ClientSampleId :
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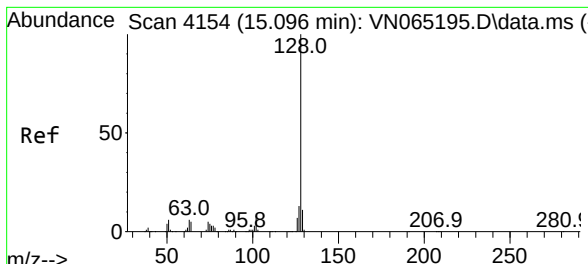
Tgt Ion: 75 Resp: 102963
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.02 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Tgt Ion: 75 Resp: 102963
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
Naphthalene
Concen: 3.38 ug/l
RT: 15.116 min Scan# 4160
Delta R.T. 0.020 min
Lab File: VN065266.D
Acq: 24 Dec 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
08

Tgt Ion:	128	Resp:	61
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

