

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066035.D
 Acq On : 25 Feb 2021 18:06
 Operator : JC/MD
 Sample : PB134803ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 26 01:24:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

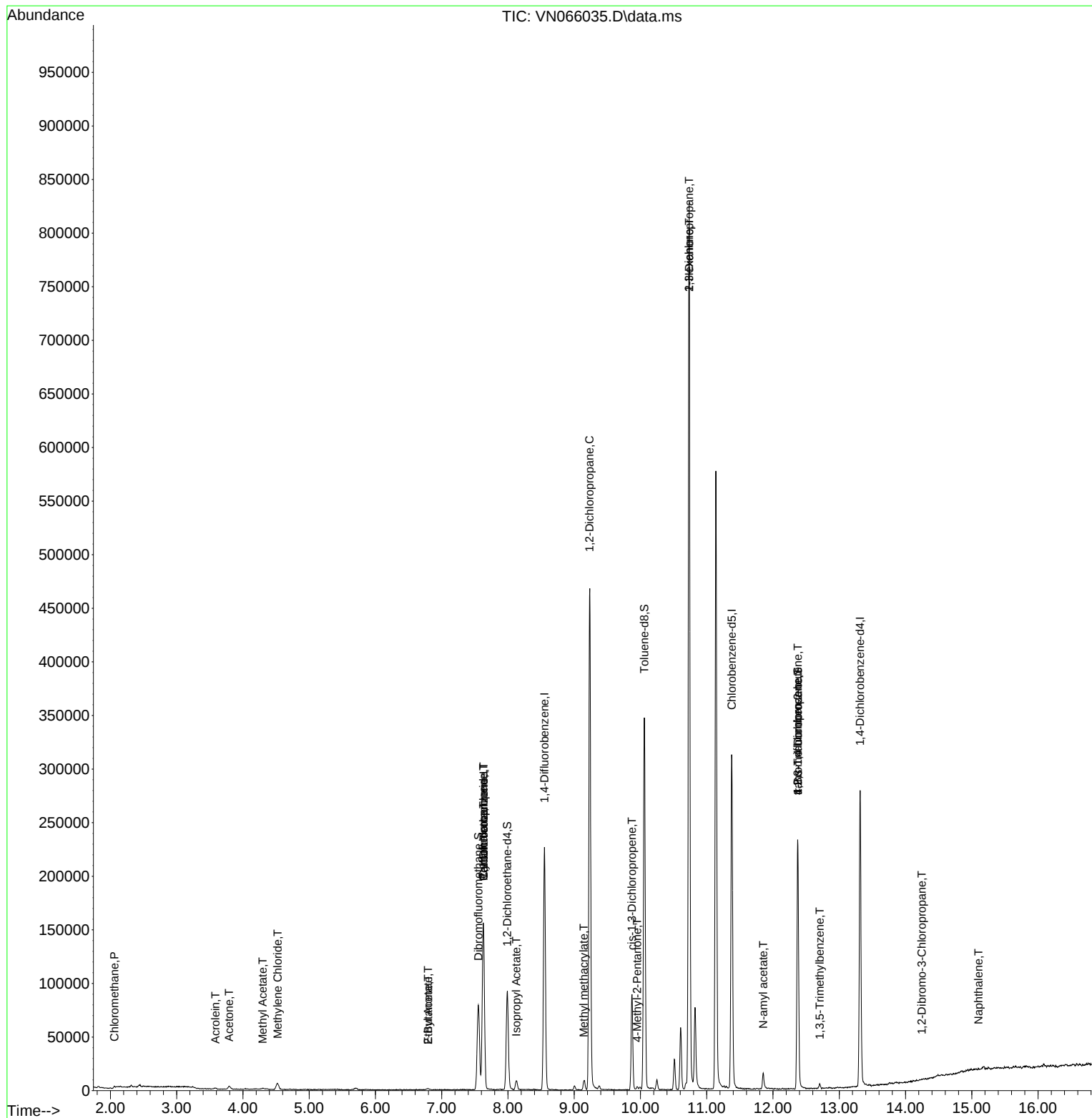
Internal Standards						
1) Pentafluorobenzene	7.631	168	126338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	206088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	188504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	79319	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	83946	47.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.02%		
35) Dibromofluoromethane	7.553	113	62782	49.22	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.44%		
50) Toluene-d8	10.058	98	250376	47.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.64%		
62) 4-Bromofluorobenzene	12.373	95	92161	46.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.78%		
Target Compounds						Qvalue
3) Chloromethane	2.058	50	751	0.36	ug/l #	64
13) Acrolein	3.586	56	1182	5.26	ug/l	96
16) Acetone	3.792	43	5461	8.29	ug/l	96
18) Methyl Acetate	4.300	43	1449	0.99	ug/l #	65
20) Methylene Chloride	4.525	84	4980	3.04	ug/l #	84
25) 2-Butanone	6.795	43	1141	1.30	ug/l #	46
31) Cyclohexane	7.627	56	2558	0.97	ug/l #	15
36) 1,1-Dichloropropene	7.627	75	9663	4.76	ug/l #	44
37) Ethyl Acetate	6.795	43	1141	0.62	ug/l #	68
38) Carbon Tetrachloride	7.631	117	12657	6.70	ug/l #	16
43) Isopropyl Acetate	8.126	43	9735	3.33	ug/l #	89
45) 1,2-Dichloropropane	9.232	63	476	0.30	ug/l #	44
48) Methyl methacrylate	9.142	41	2127	1.44	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	2210	1.24	ug/l #	82
54) cis-1,3-Dichloropropene	9.872	75	17611	7.17	ug/l #	58
57) 1,3-Dichloropropane	10.733	76	8926	3.53	ug/l #	43
59) 2-Hexanone	10.733	43	118980	93.86	ug/l #	50
74) N-amyl acetate	11.852	43	5119	2.28	ug/l #	48
76) 1,2,3-Trichloropropane	12.373	75	46484	24.39	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	2846	0.52	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.373	75	46484	77.75	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.248	75	129	1.18	ug/l #	1
95) Naphthalene	15.103	128	465	3.15	ug/l #	69

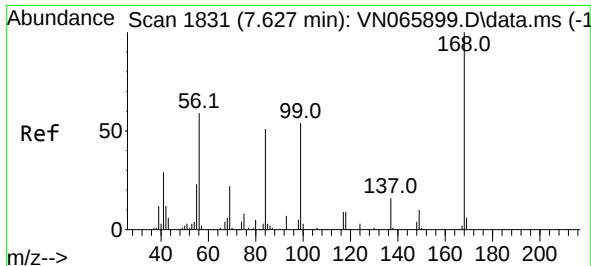
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Feb 26 01:24:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 2021
Response via : Initial Calibration

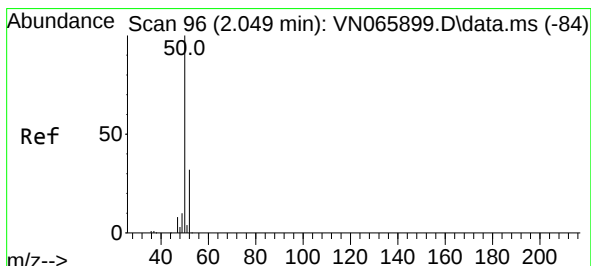
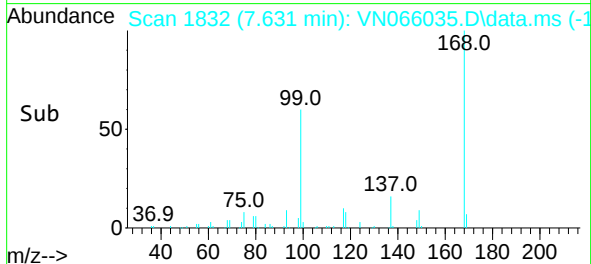
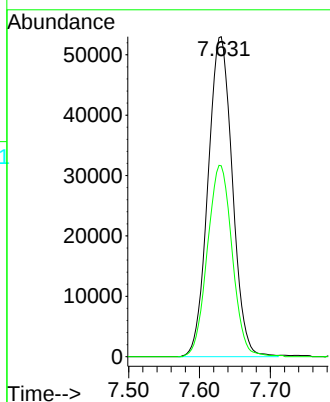
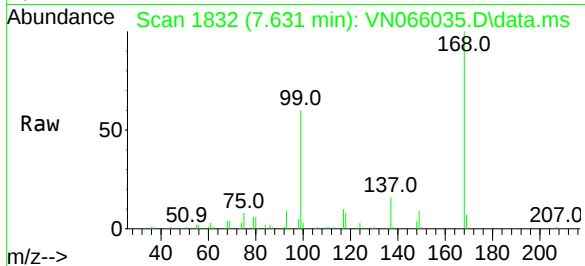




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

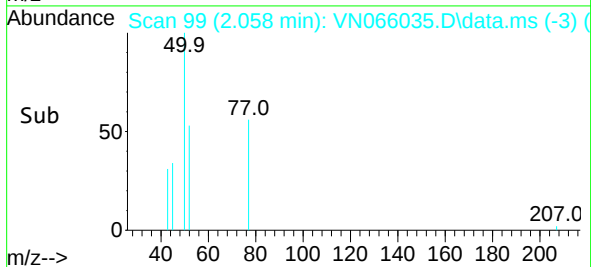
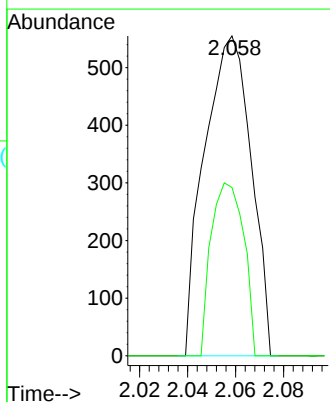
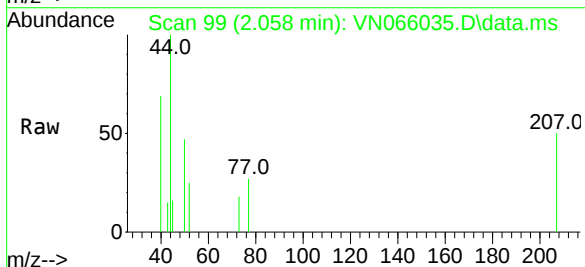
Instrument :
MSVOA_N
ClientSampled :

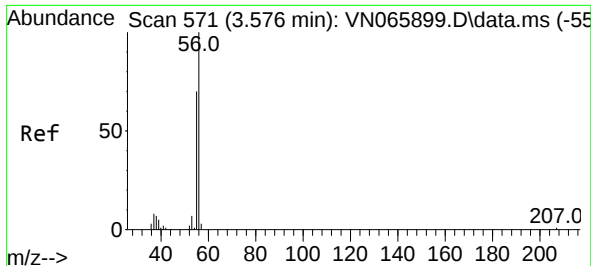
Tgt Ion:168 Resp: 126338
Ion Ratio Lower Upper
168 100
99 59.6 42.6 63.8



#3
Chloromethane
Concen: 0.36 ug/l
RT: 2.058 min Scan# 99
Delta R.T. 0.009 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 50 Resp: 751
Ion Ratio Lower Upper
50 100
52 52.6 25.8 38.8#

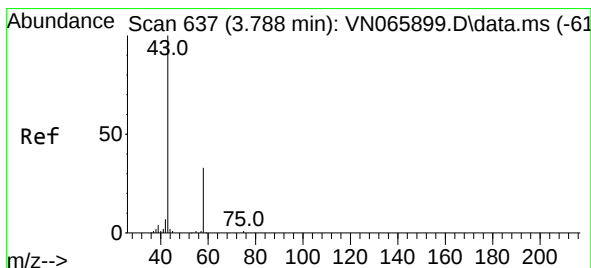
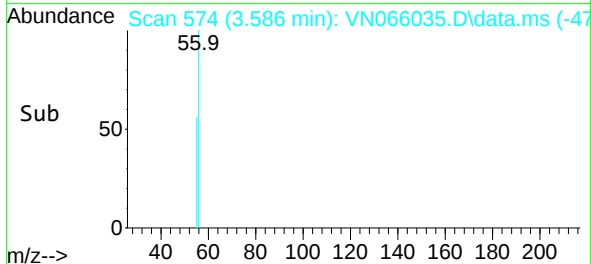
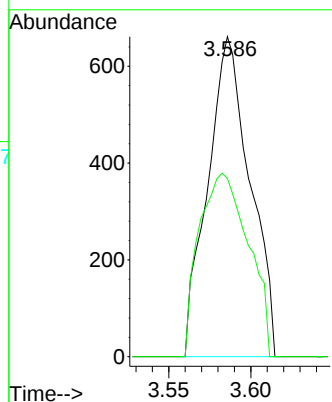
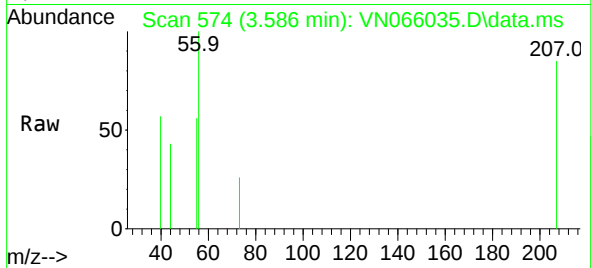




#13
Acrolein
Concen: 5.26 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

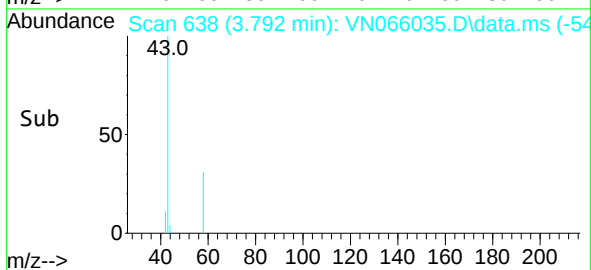
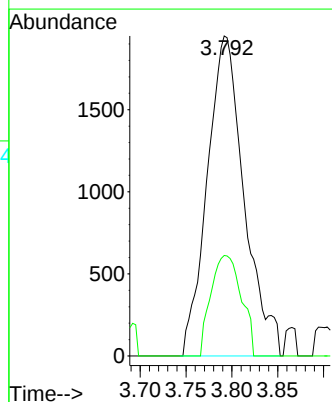
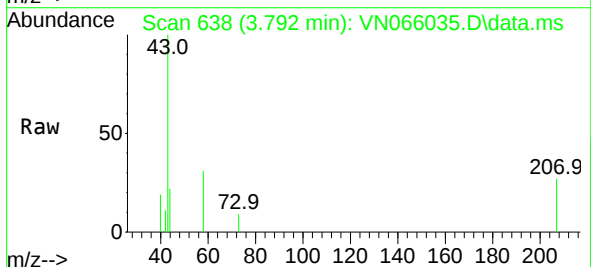
Instrument :
MSVOA_N
ClientSampled :

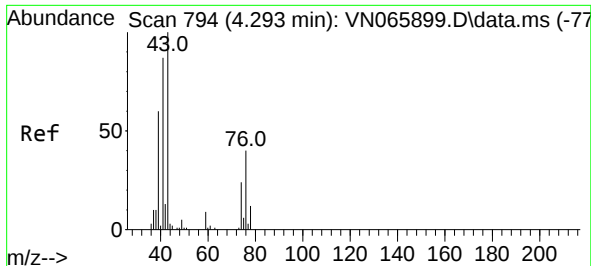
Tgt Ion: 56 Resp: 1182
Ion Ratio Lower Upper
56 100
55 66.9 56.0 84.0



#16
Acetone
Concen: 8.29 ug/l
RT: 3.792 min Scan# 638
Delta R.T. 0.004 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

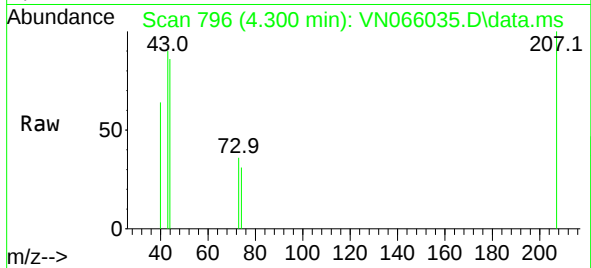
Tgt Ion: 43 Resp: 5461
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.6



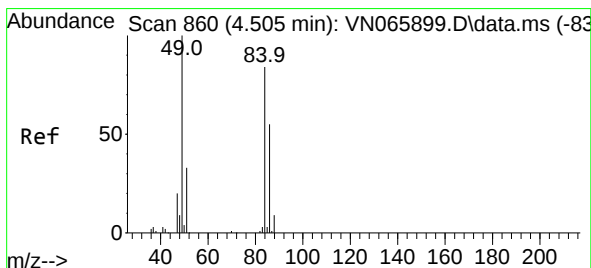
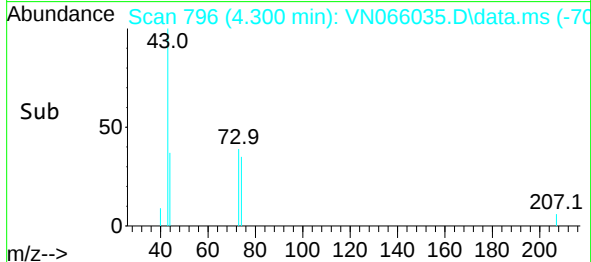
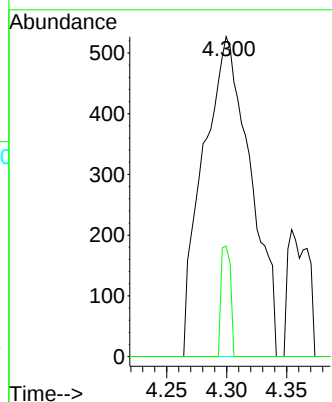


#18
Methyl Acetate
Concen: 0.99 ug/l
RT: 4.300 min Scan# 796
Delta R.T. 0.007 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Instrument :
MSVOA_N
ClientSampleId :

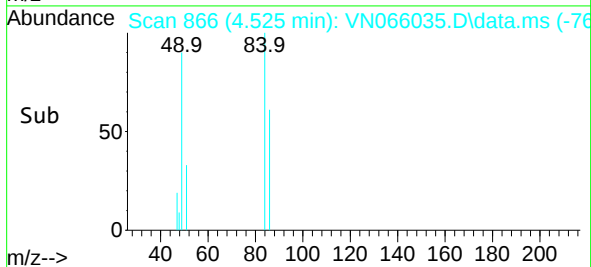
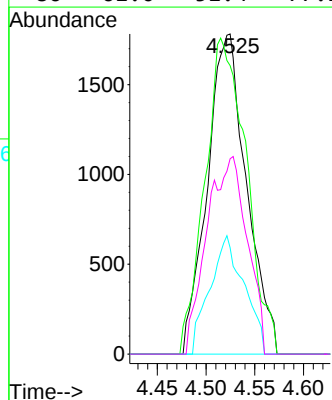
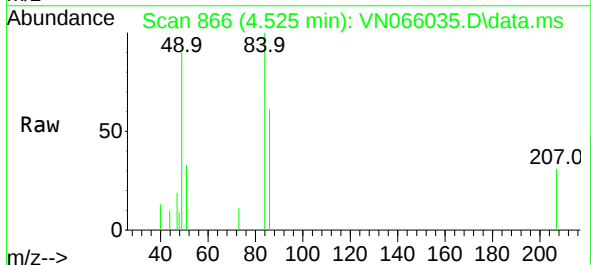


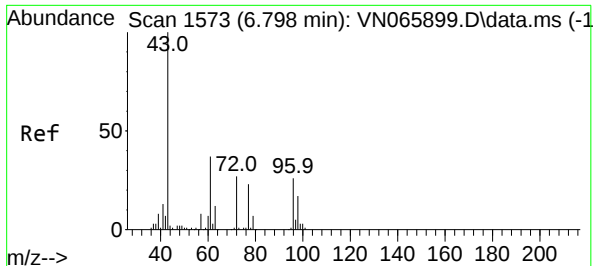
Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
74 6.8 19.5 29.3#



#20
Methylene Chloride
Concen: 3.04 ug/l
RT: 4.525 min Scan# 866
Delta R.T. 0.020 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

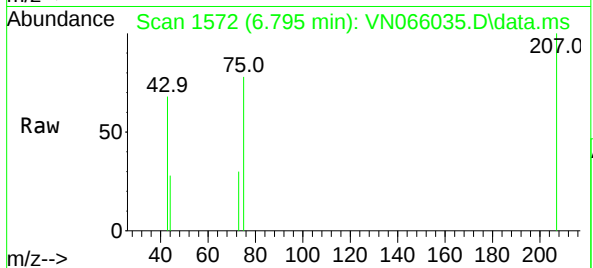
Tgt Ion: 84 Resp: 4980
Ion Ratio Lower Upper
84 100
49 90.1 94.6 141.8#
51 33.2 29.9 44.9
86 61.0 51.4 77.2



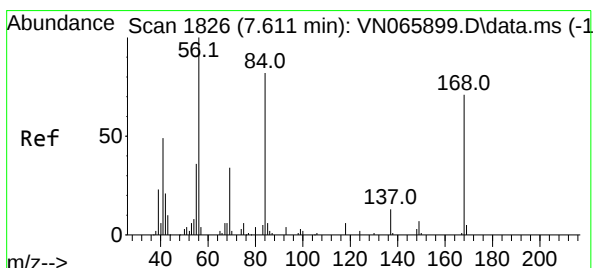
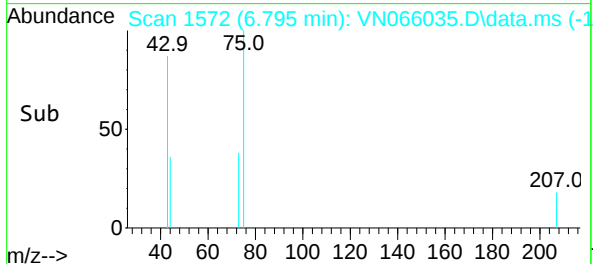
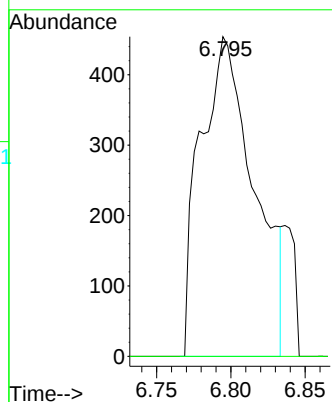


#25
2-Butanone
Concen: 1.30 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Instrument :
MSVOA_N
ClientSampled :

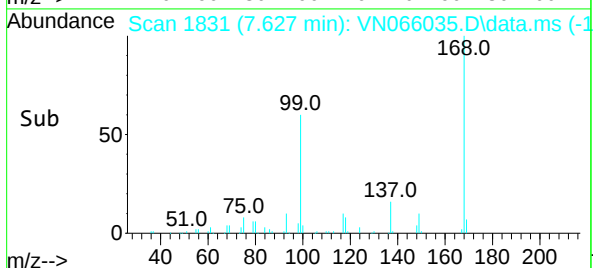
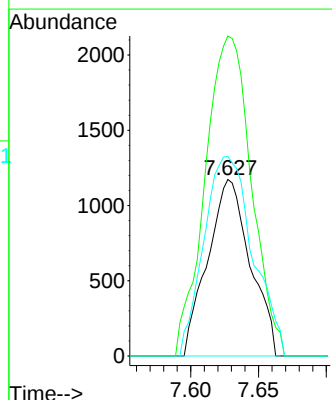
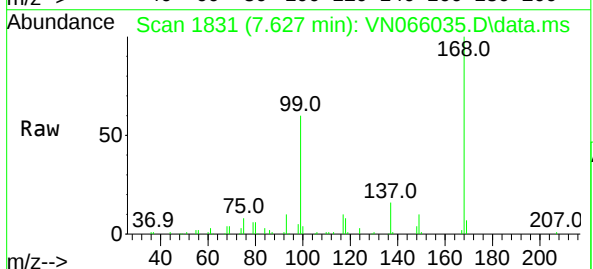


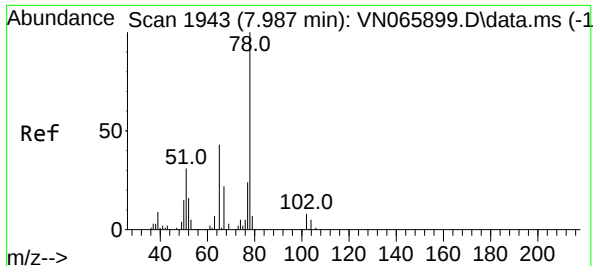
Tgt Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 56 Resp: 2558
Ion Ratio Lower Upper
56 100
69 168.0 26.6 39.8#
84 113.1 70.4 105.6#

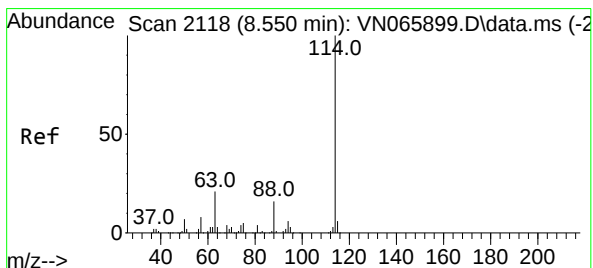
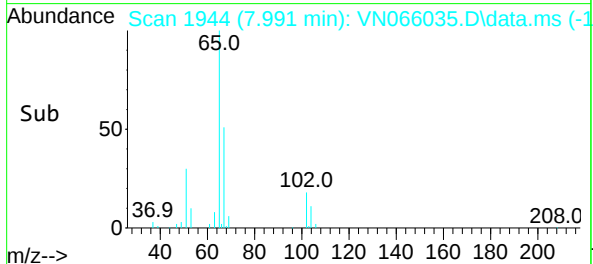
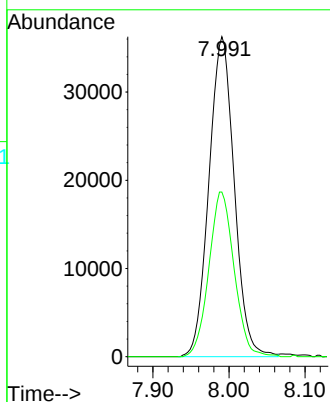
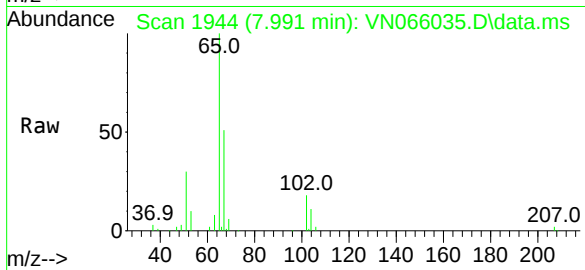




#33
1,2-Dichloroethane-d4
Concen: 47.51 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

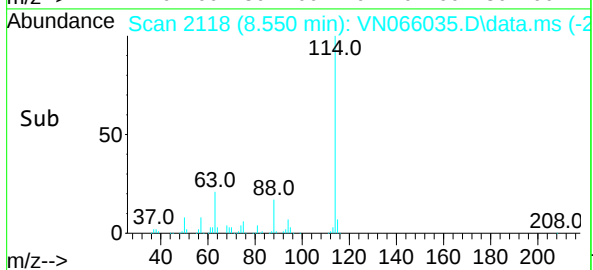
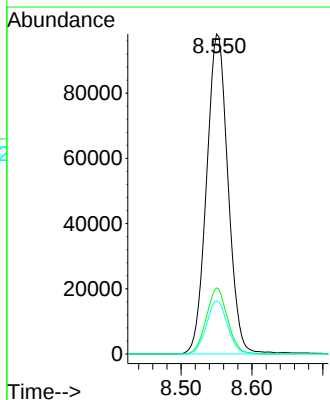
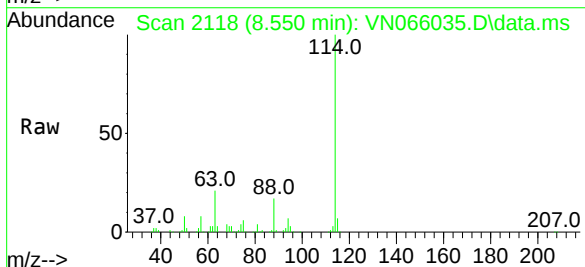
Instrument :
MSVOA_N
ClientSampled :

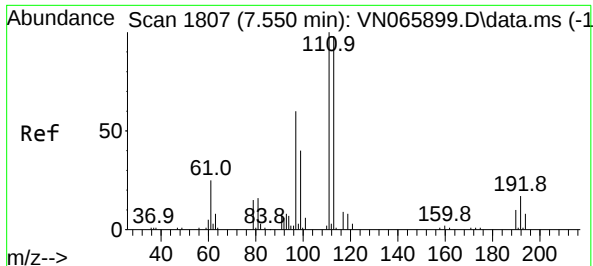
Tgt Ion: 65 Resp: 83946
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 114 Resp: 206088
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 16.6 0.0 30.6



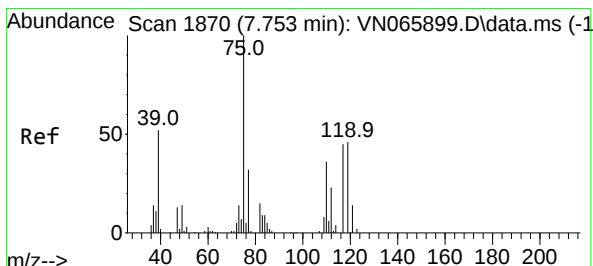
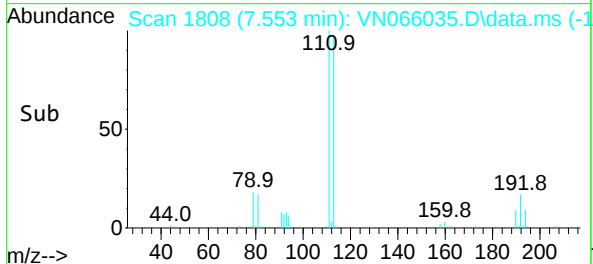
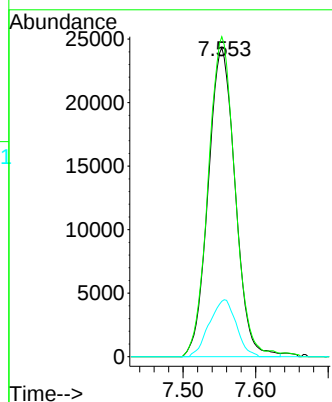
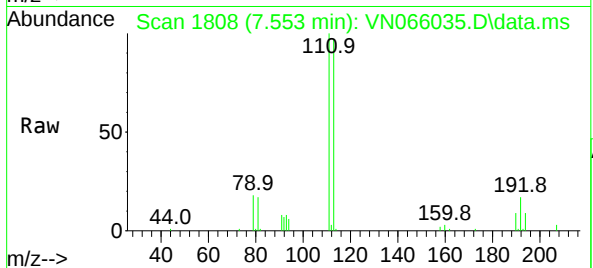


#35

Dibromofluoromethane
Concen: 49.22 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Instrument :
MSVOA_N
ClientSampled :

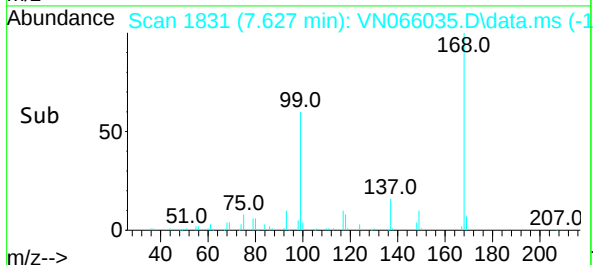
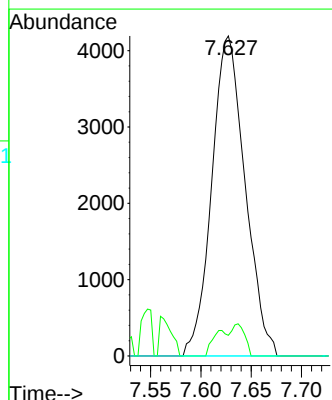
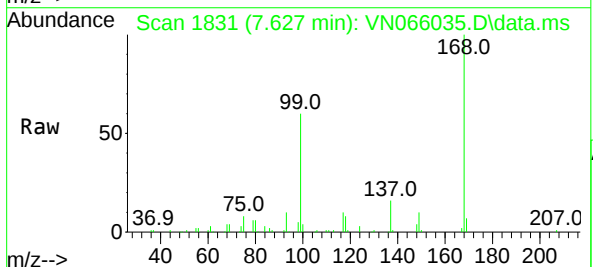
Tgt Ion:113 Resp: 62782
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 18.4 15.4 23.0

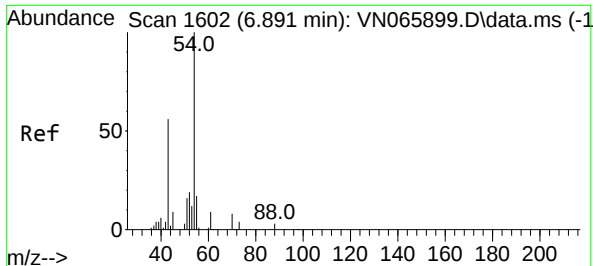


#36

1,1-Dichloropropene
Concen: 4.76 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 75 Resp: 9663
Ion Ratio Lower Upper
75 100
110 3.9 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.62 ug/l

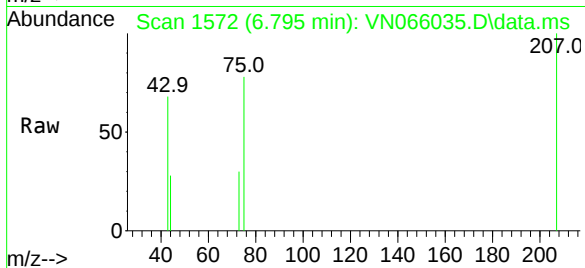
RT: 6.795 min Scan# 1572

Delta R.T. -0.096 min

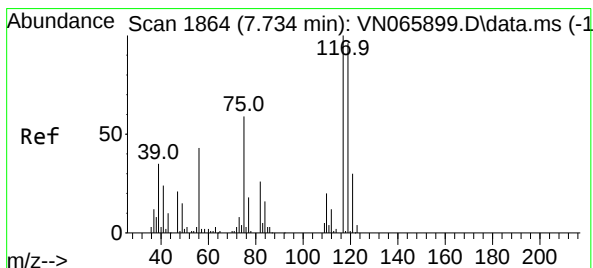
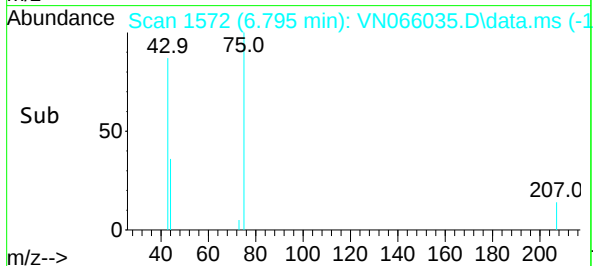
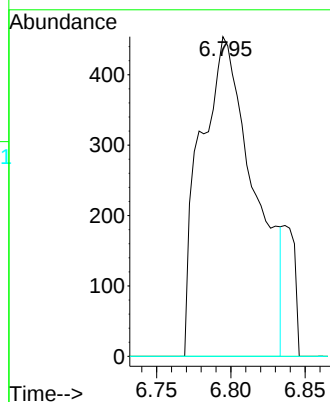
Lab File: VN066035.D

Acq: 25 Feb 2021 18:06

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	1141
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.70 ug/l

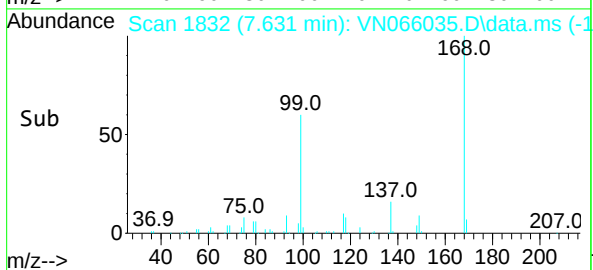
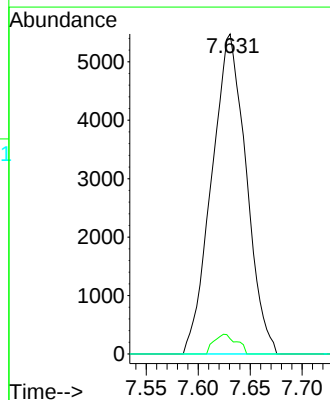
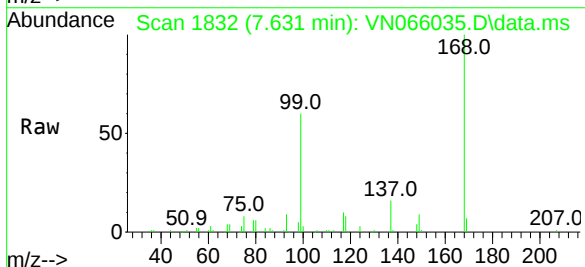
RT: 7.631 min Scan# 1832

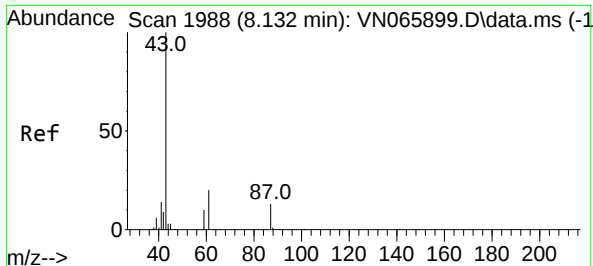
Delta R.T. -0.103 min

Lab File: VN066035.D

Acq: 25 Feb 2021 18:06

Tgt Ion:	117	Resp:	12657
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.0	114.0#
121	0.0	24.5	36.7#

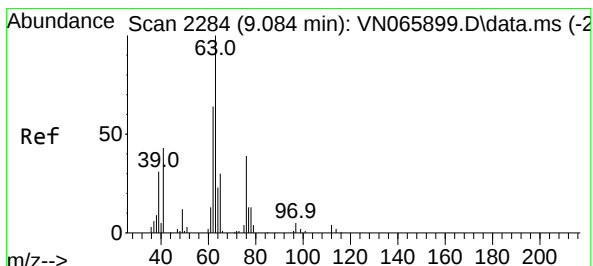
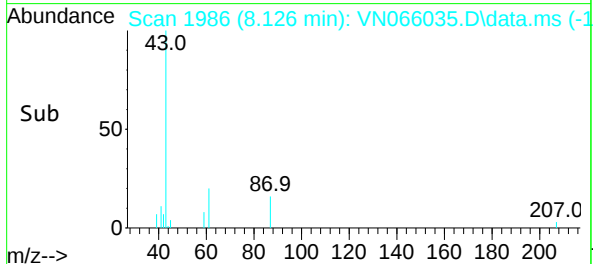
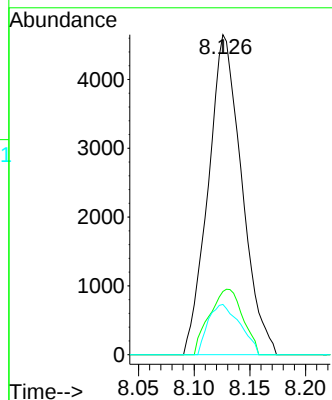
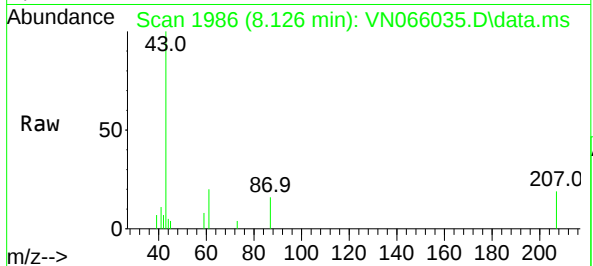




#43
Isopropyl Acetate
Concen: 3.33 ug/l
RT: 8.126 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

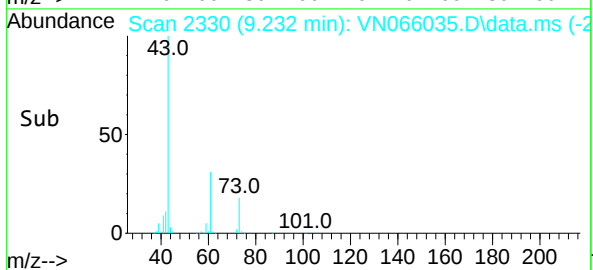
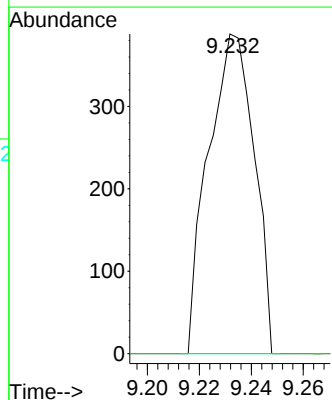
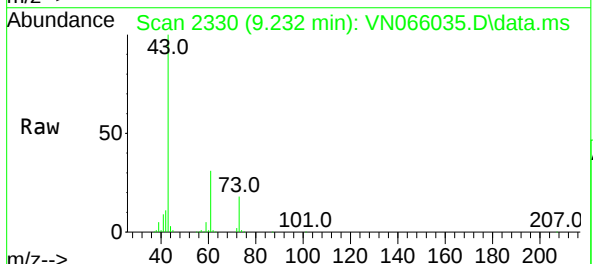
Instrument :
MSVOA_N
ClientSampled :

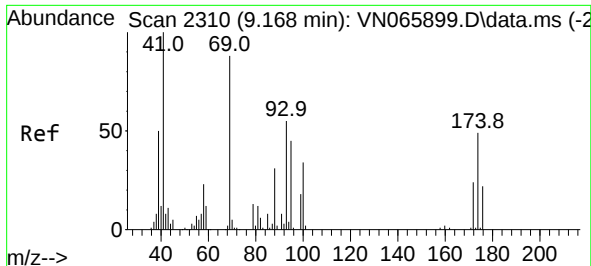
Tgt Ion: 43 Resp: 9735
Ion Ratio Lower Upper
43 100
61 20.3 22.5 33.7#
87 14.9 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.30 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 63 Resp: 476
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

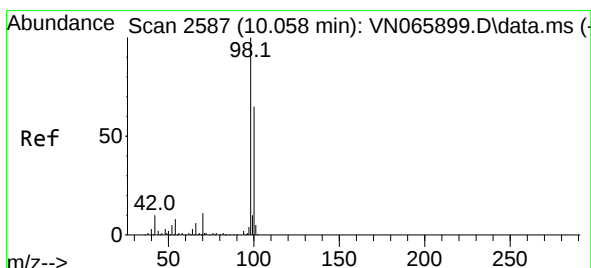
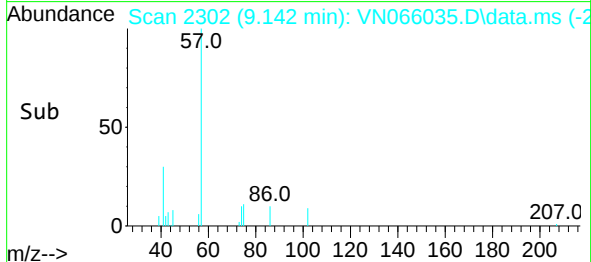
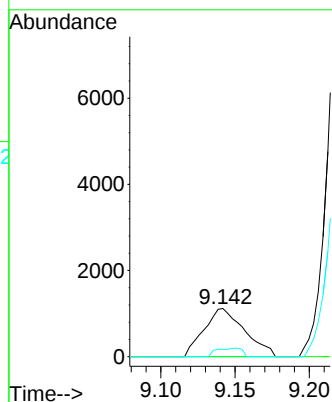
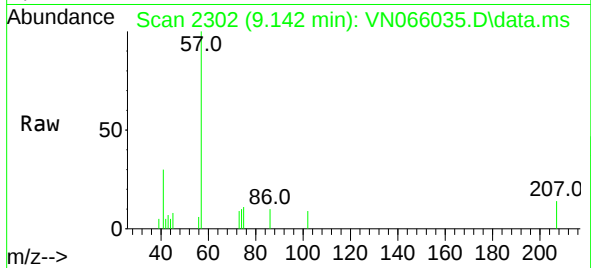




#48
Methyl methacrylate
Concen: 1.44 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.026 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

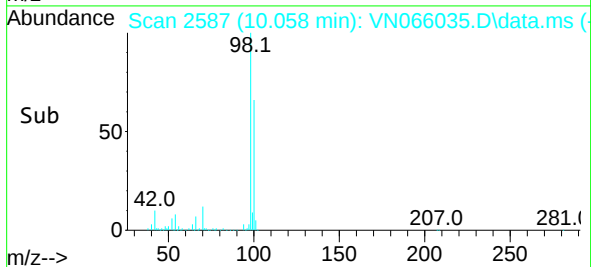
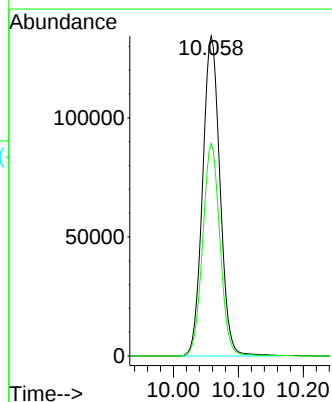
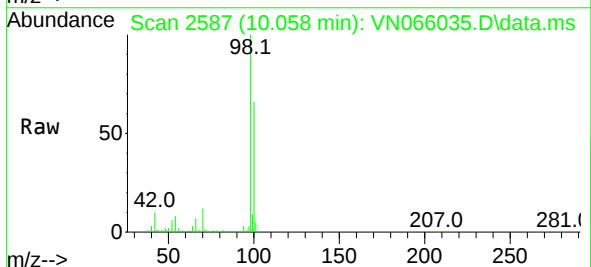
Instrument :
MSVOA_N
ClientSampled :

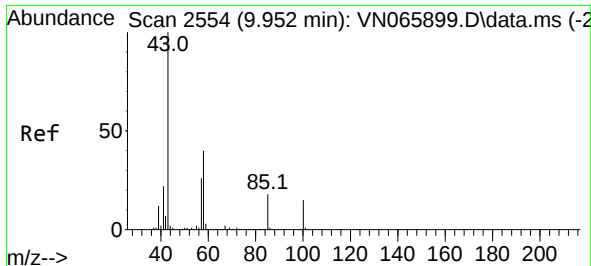
Tgt Ion: 41 Resp: 2127
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 47.82 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 98 Resp: 250376
Ion Ratio Lower Upper
98 100
100 66.0 50.5 75.7

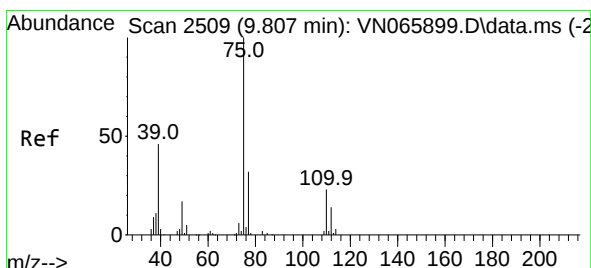
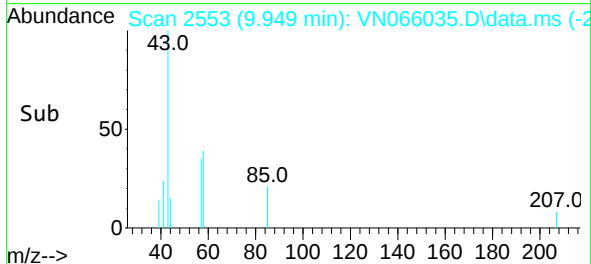
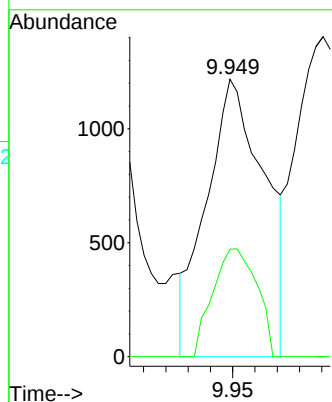
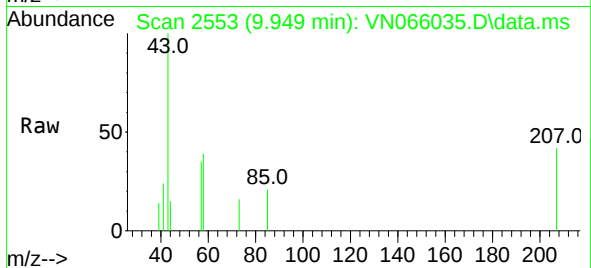




#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

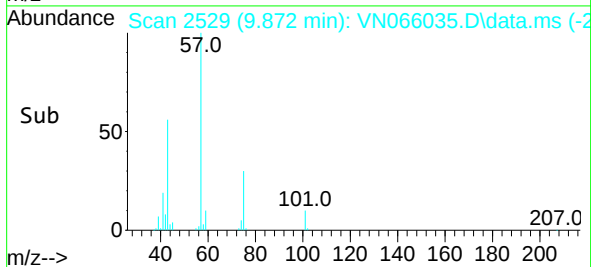
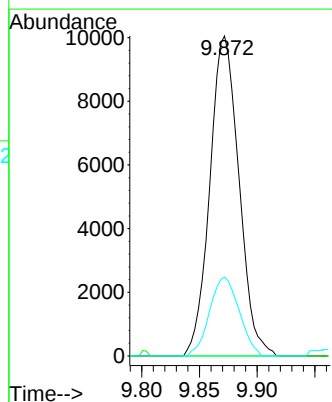
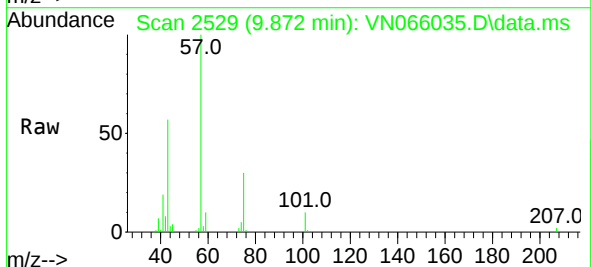
Instrument :
MSVOA_N
ClientSampleId :

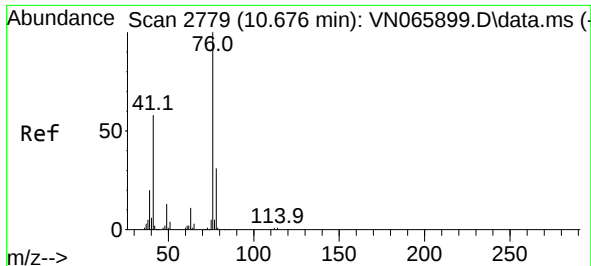
Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
58 29.5 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 7.17 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 75 Resp: 17611
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 24.6 36.2 54.4#

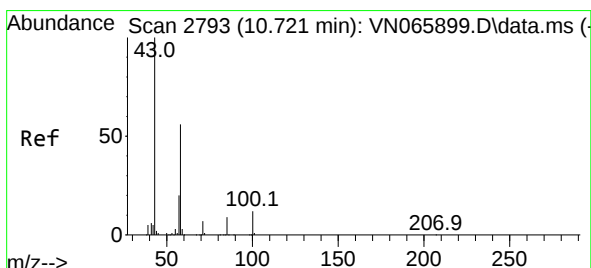
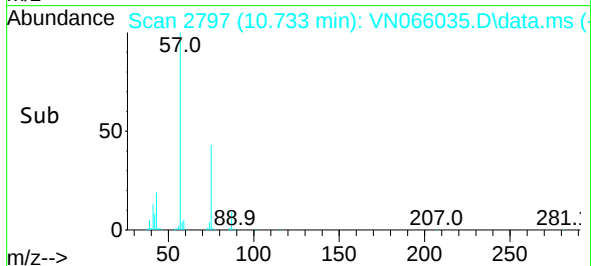
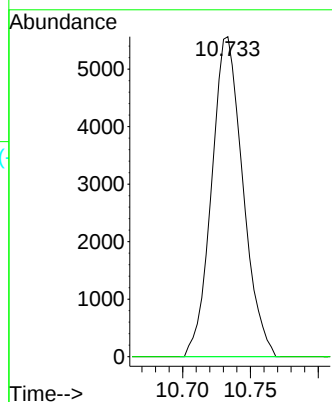
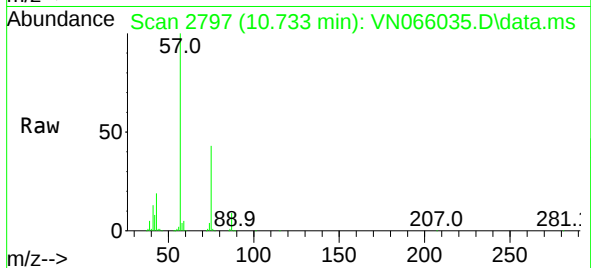




#57
1,3-Dichloropropane
Concen: 3.53 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

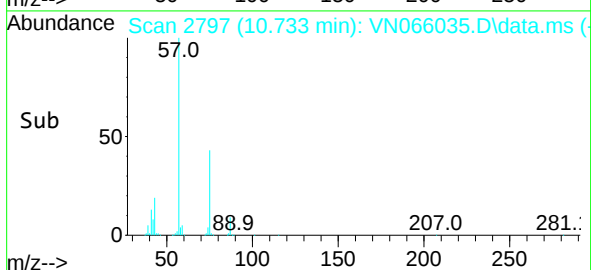
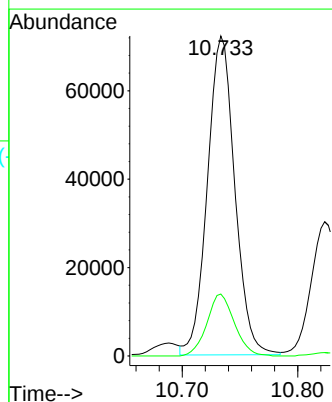
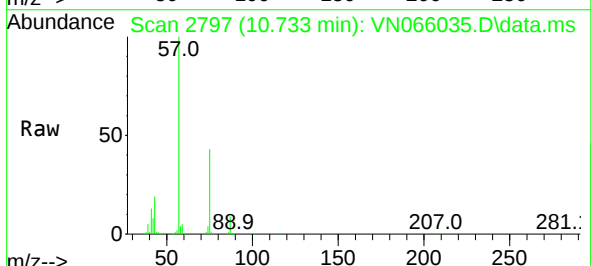
Instrument :
MSVOA_N
ClientSampled :

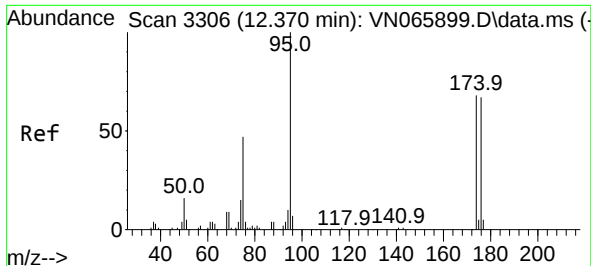
Tgt Ion: 76 Resp: 8926
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 93.86 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 43 Resp: 118980
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#

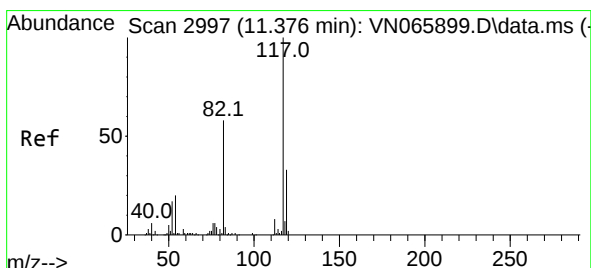
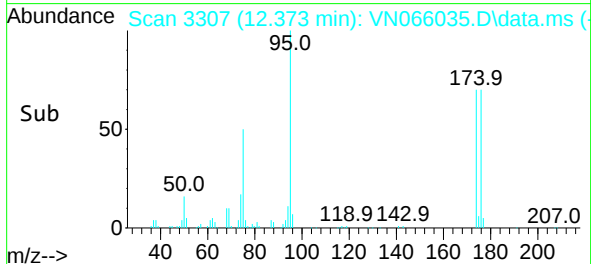
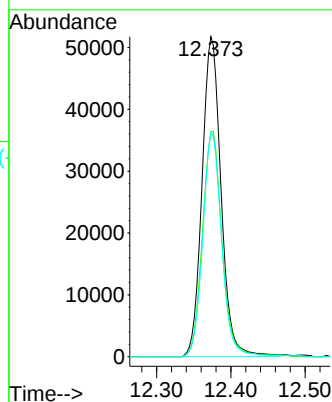
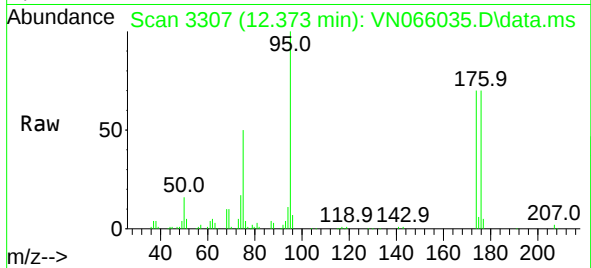




#62
4-Bromofluorobenzene
Concen: 46.89 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

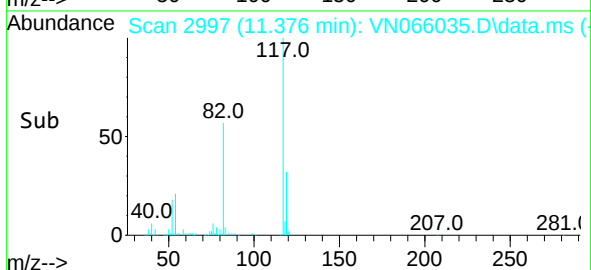
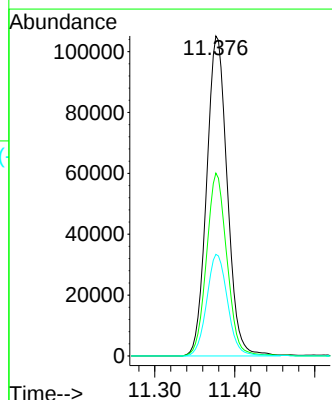
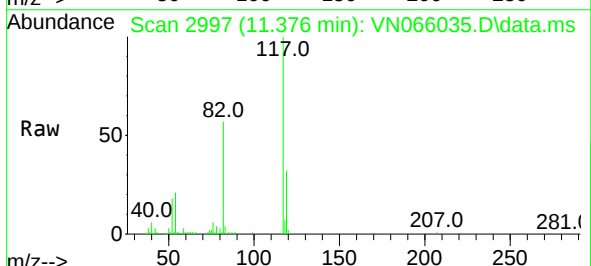
Instrument :
MSVOA_N
ClientSampleId :

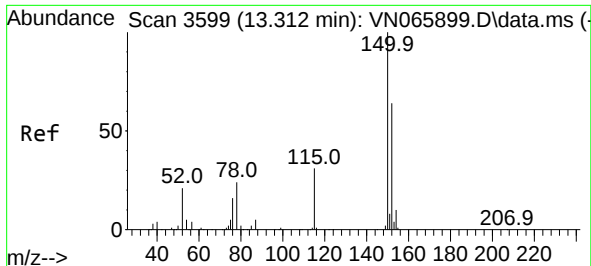
Tgt Ion: 95 Resp: 92161
Ion Ratio Lower Upper
95 100
174 72.0 0.0 169.0
176 69.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 117 Resp: 188504
Ion Ratio Lower Upper
117 100
82 57.2 43.7 65.5
119 31.8 26.1 39.1

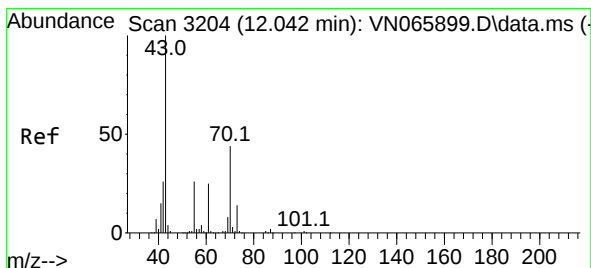
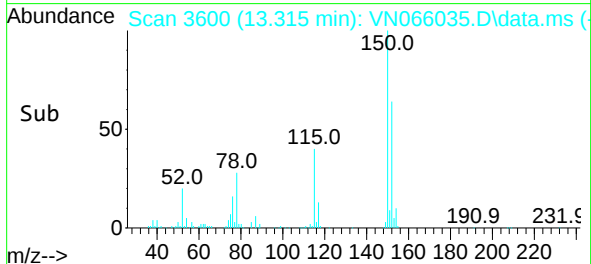
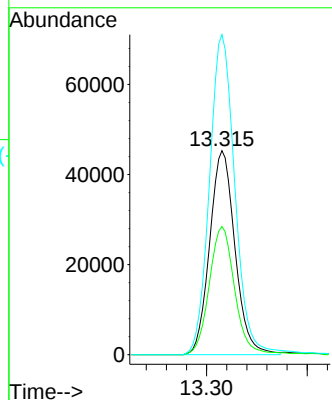
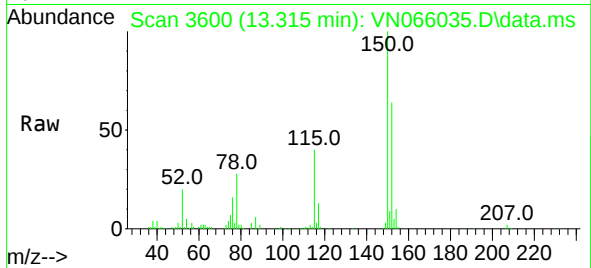




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

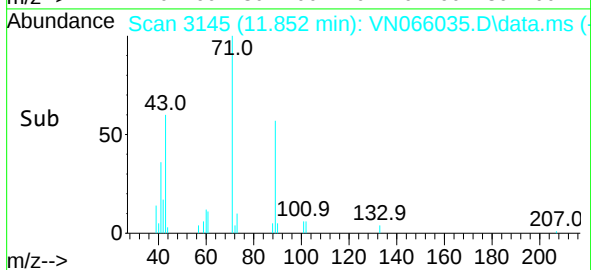
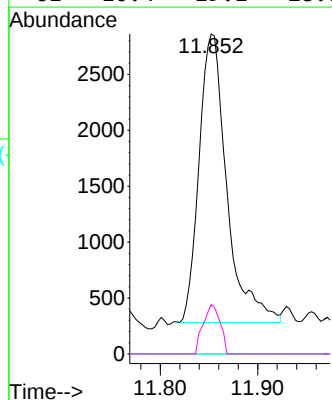
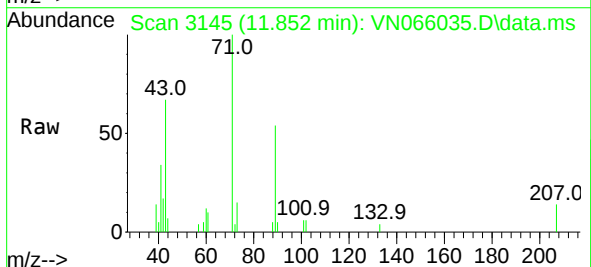
Instrument :
MSVOA_N
ClientSampleId :

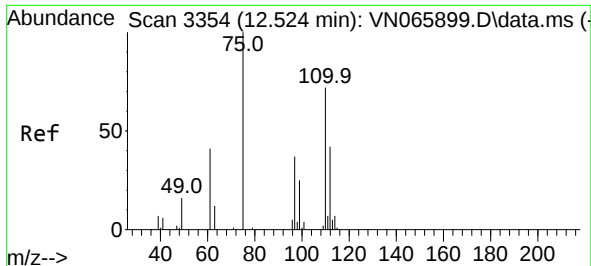
Tgt Ion:152 Resp: 79319
Ion Ratio Lower Upper
152 100
115 63.3 28.5 85.6
150 158.4 0.0 347.6



#74
N-ethyl acetate
Concen: 2.28 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 10.4 19.1 28.7#

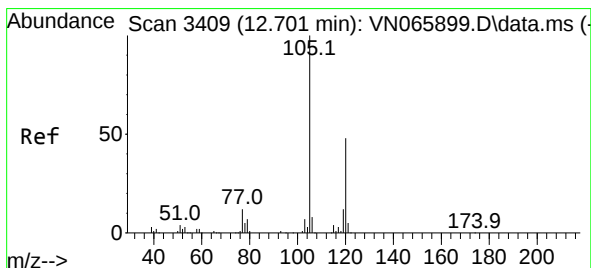
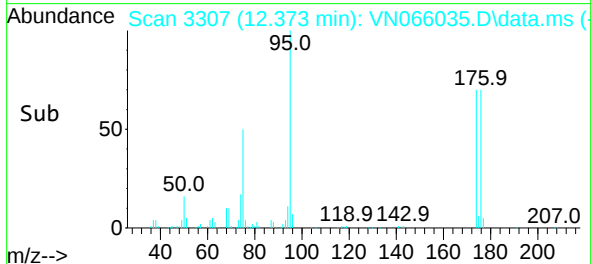
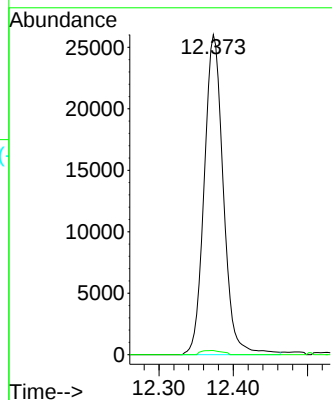
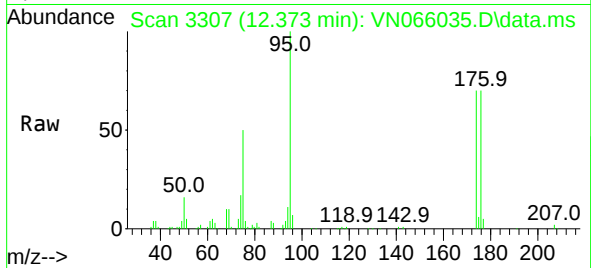




#76
1,2,3-Trichloropropane
Concen: 24.39 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

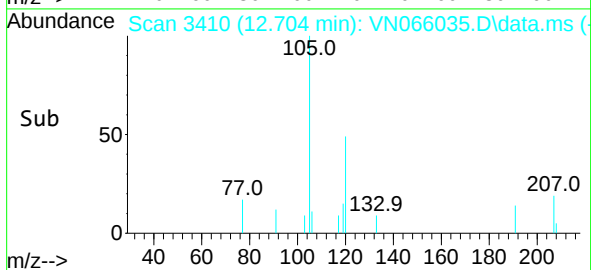
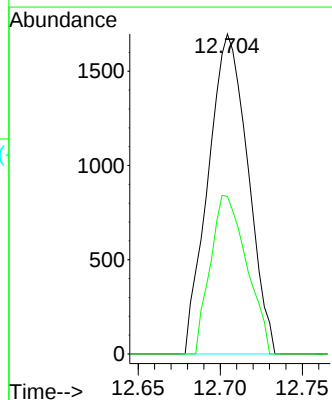
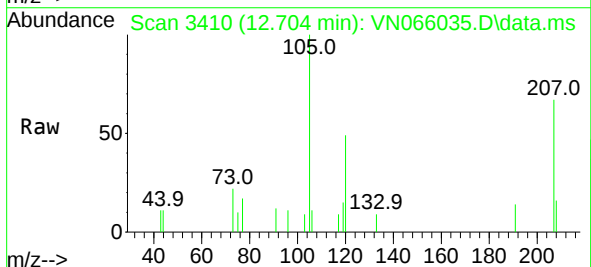
Instrument :
MSVOA_N
ClientSampled :

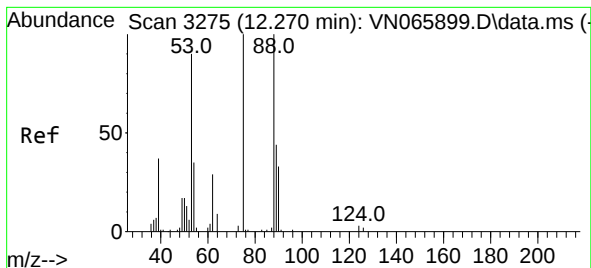
Tgt Ion: 75 Resp: 46484
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.52 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Tgt Ion: 105 Resp: 2846
Ion Ratio Lower Upper
105 100
120 45.2 24.3 72.8

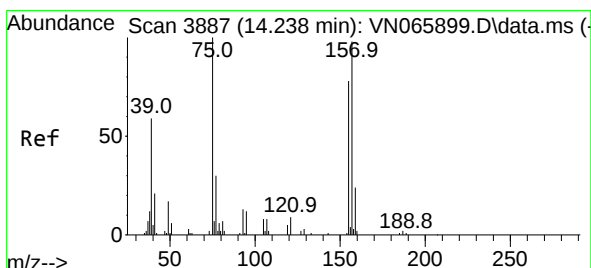
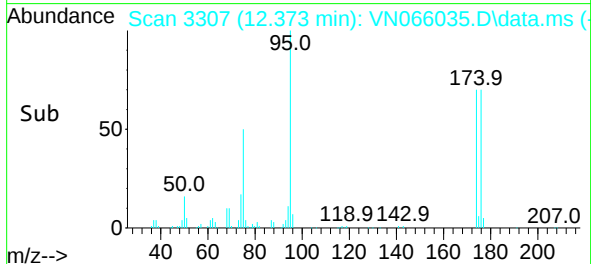
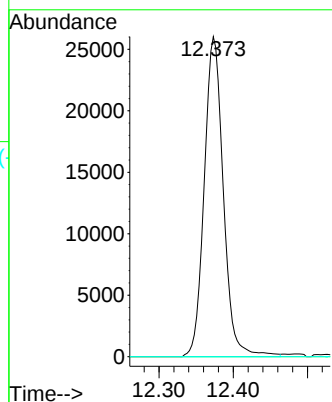
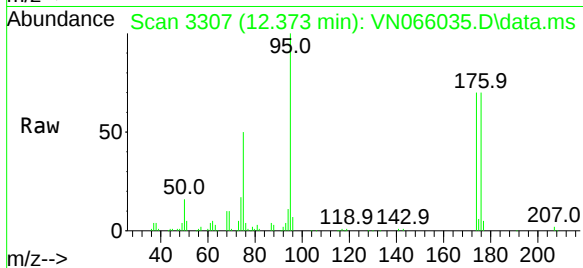




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.75 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.103 min
 Lab File: VN066035.D
 Acq: 25 Feb 2021 18:06

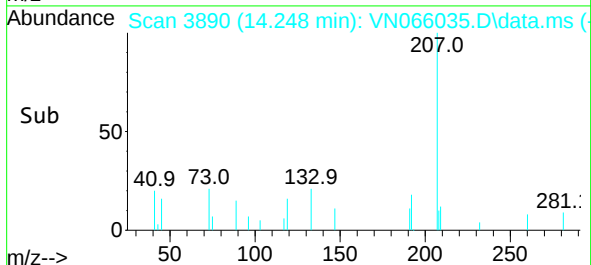
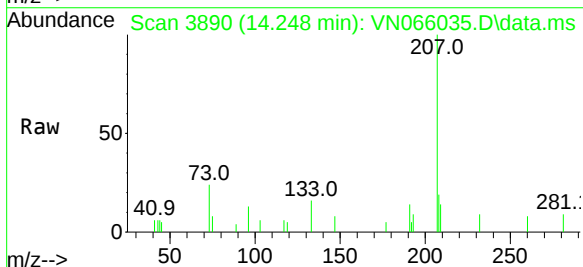
Instrument :
 MSVOA_N
 ClientSampled :

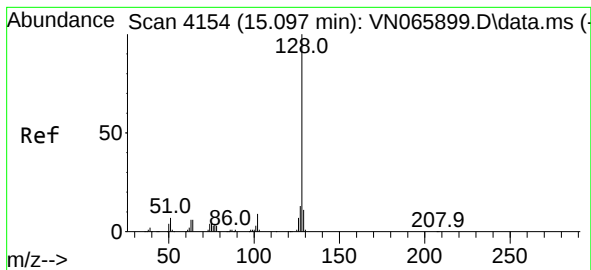
Tgt Ion: 75 Resp: 46484
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.18 ug/l
 RT: 14.248 min Scan# 3890
 Delta R.T. 0.010 min
 Lab File: VN066035.D
 Acq: 25 Feb 2021 18:06

Tgt Ion: 75 Resp: 129
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.15 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066035.D
Acq: 25 Feb 2021 18:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 465
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

