

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066983.D
 Acq On : 5 May 2021 12:59
 Operator : JC/MD
 Sample : M2278-01ME
 Misc : 6.05g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:47:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

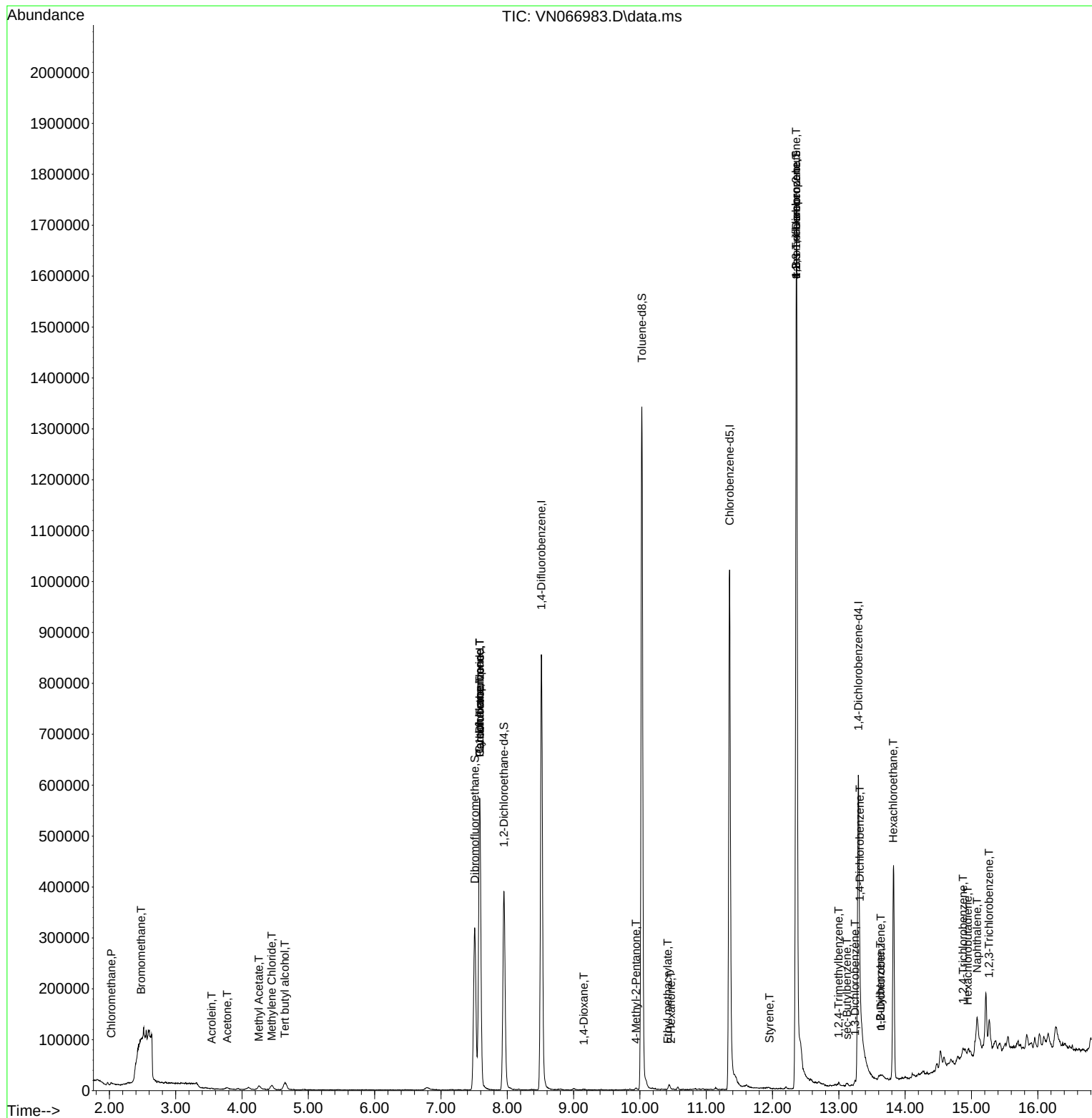
Internal Standards						
1) Pentafluorobenzene	7.587	168	441941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	740144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	623587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	260805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	353594	50.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	101.66%		
35) Dibromofluoromethane	7.509	113	248137	49.37	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.74%		
50) Toluene-d8	10.030	98	944495	49.35	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.70%		
62) 4-Bromofluorobenzene	12.355	95	320014	49.38	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.76%		
Target Compounds					Qvalue	
3) Chloromethane	2.030	50	2355	0.27	ug/l	94
5) Bromomethane	2.478	94	1022	0.23	ug/l #	77
11) Tert butyl alcohol	4.647	59	13340	13.58	ug/l #	73
13) Acrolein	3.542	56	1333	1.63	ug/l #	76
16) Acetone	3.776	43	5028	2.05	ug/l	99
18) Methyl Acetate	4.256	43	14978	2.14	ug/l #	68
20) Methylene Chloride	4.446	84	5370	0.87	ug/l #	90
31) Cyclohexane	7.584	56	10852	1.11	ug/l #	6
36) 1,1-Dichloropropene	7.584	75	38875	5.04	ug/l #	48
38) Carbon Tetrachloride	7.587	117	46640	5.80	ug/l #	18
49) 1,4-Dioxane	9.153	88	83	0.93	ug/l #	53
51) 4-Methyl-2-Pentanone	9.942	43	3936	0.53	ug/l #	73
56) Ethyl methacrylate	10.419	69	54	5.20	ug/l #	1
59) 2-Hexanone	10.470	43	133	28.39	ug/l	81
70) Styrene	11.953	104	726	4.75	ug/l	94
76) 1,2,3-Trichloropropane	12.355	75	195443	31.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.355	75	195443	93.23	ug/l #	15
84) 1,2,4-Trimethylbenzene	12.996	105	4548	0.27	ug/l	98
85) sec-Butylbenzene	13.122	105	4943	0.26	ug/l	100
87) 1,3-Dichlorobenzene	13.243	146	1800	0.22	ug/l #	47
88) 1,4-Dichlorobenzene	13.315	146	2401	0.29	ug/l #	60
89) n-Butylbenzene	13.624	91	5885	5.60	ug/l #	42
90) Hexachloroethane	13.820	117	1029	0.28	ug/l #	27
91) 1,2-Dichlorobenzene	13.632	146	1708	0.21	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.874	180	6128	1.40	ug/l	89
94) Hexachlorobutadiene	14.946	225	1398	0.52	ug/l	73
95) Naphthalene	15.086	128	97659	8.53	ug/l	96
96) 1,2,3-Trichlorobenzene	15.263	180	12650	2.98	ug/l #	87

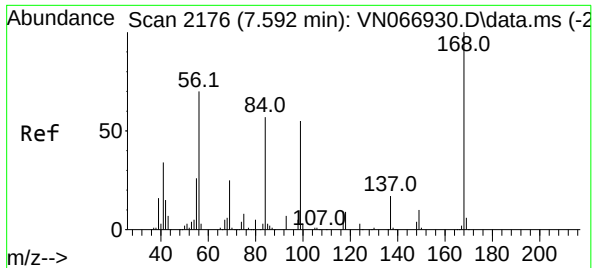
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 06 04:47:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

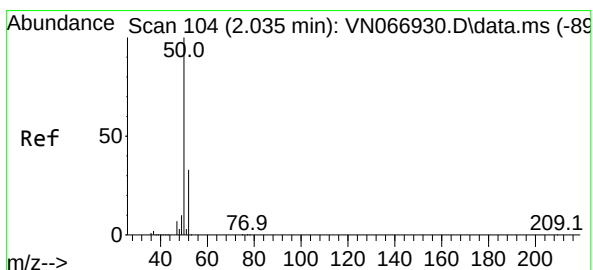
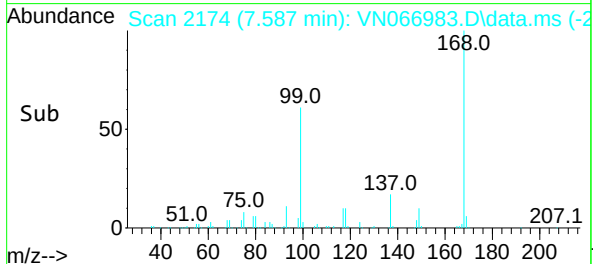
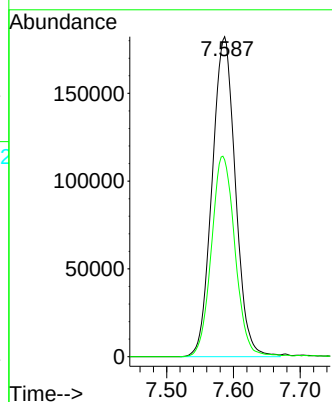
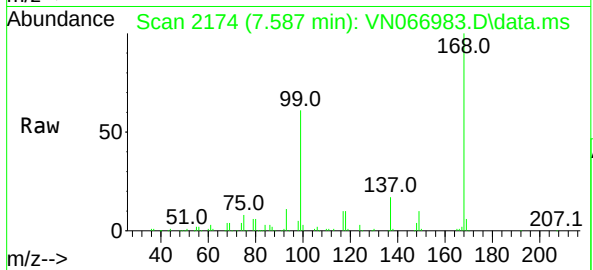




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

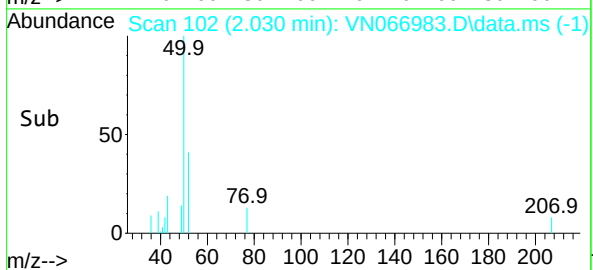
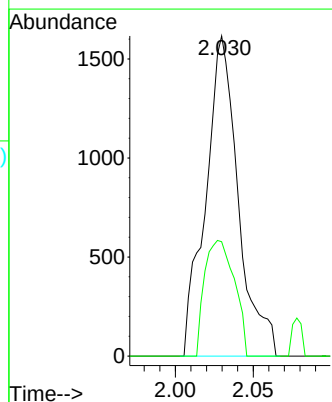
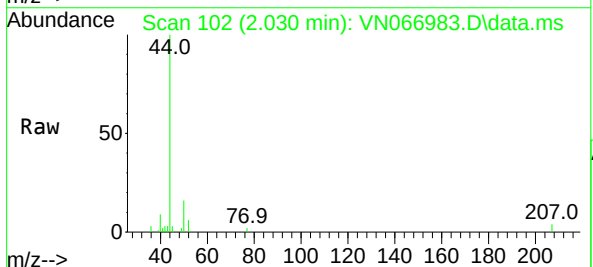
Instrument :
MSVOA_N
ClientSampleId :

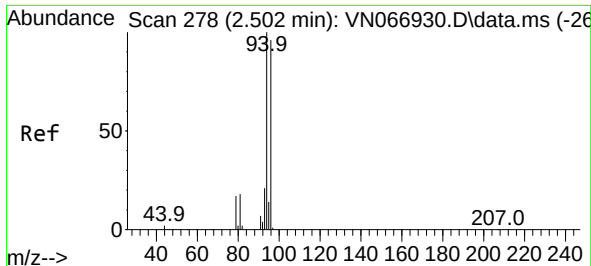
Tgt Ion:168 Resp: 441941
Ion Ratio Lower Upper
168 100
99 61.5 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.030 min Scan# 102
Delta R.T. -0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion: 50 Resp: 2355
Ion Ratio Lower Upper
50 100
52 35.7 25.8 38.8

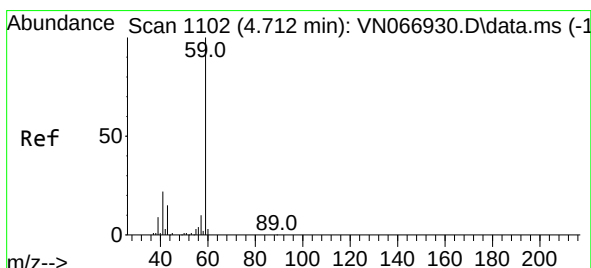
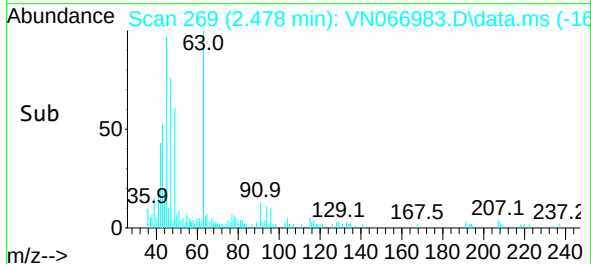
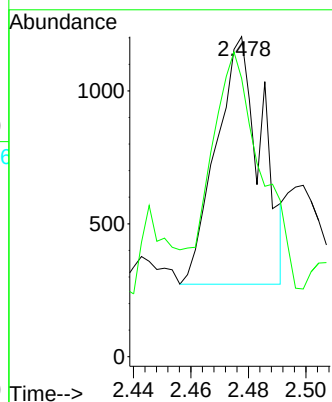
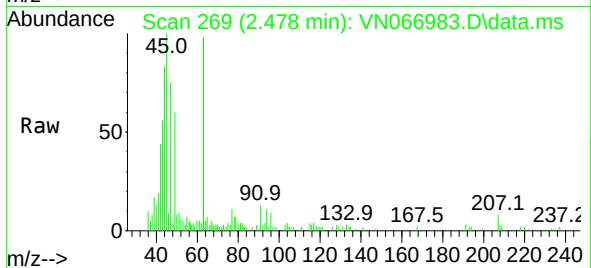




#5
Bromomethane
Concen: 0.23 ug/l
RT: 2.478 min Scan# 269
Delta R.T. -0.024 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

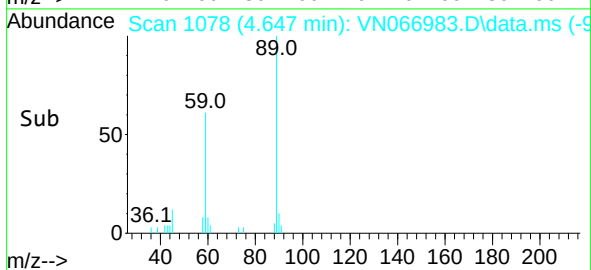
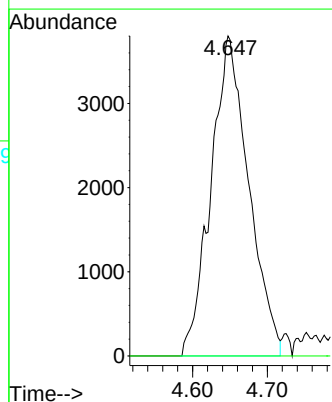
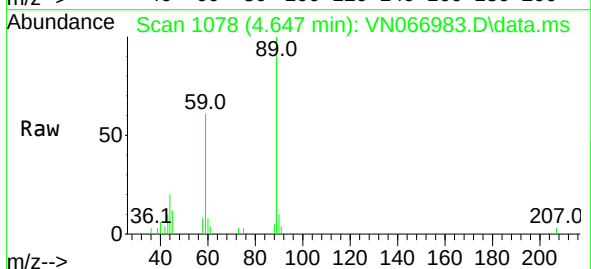
Instrument :
MSVOA_N
ClientSampleId :

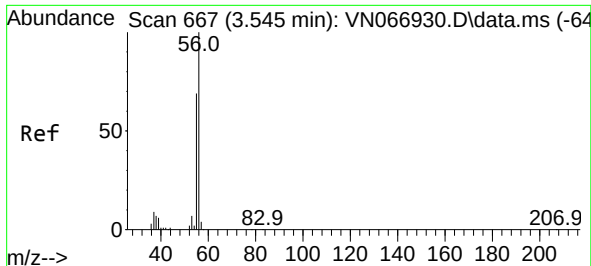
Tgt Ion: 94 Resp: 1022
Ion Ratio Lower Upper
94 100
96 69.3 73.0 109.4#



#11
Tert butyl alcohol
Concen: 13.58 ug/l
RT: 4.647 min Scan# 1078
Delta R.T. -0.065 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

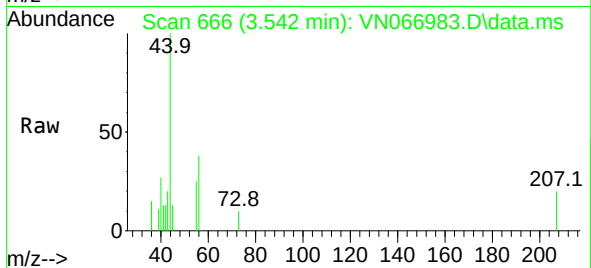
Tgt Ion: 59 Resp: 13340
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



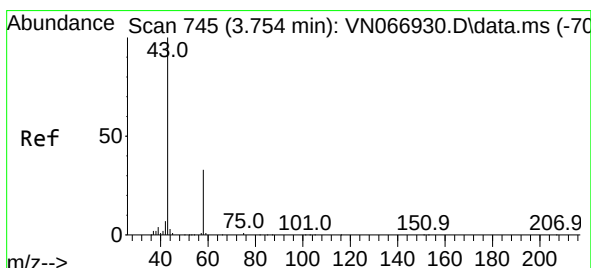
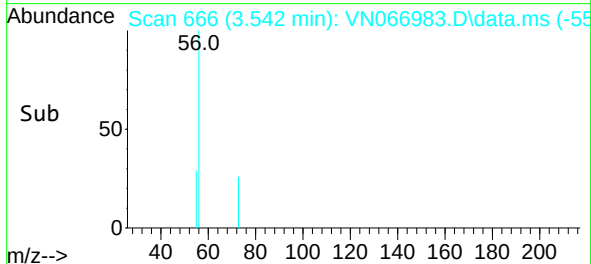
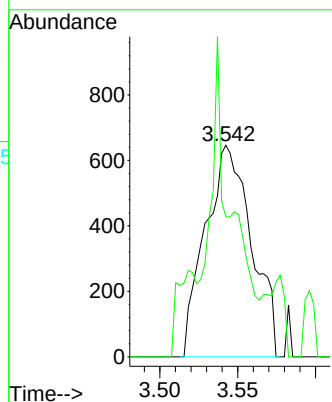


#13
Acrolein
Concen: 1.63 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Instrument :
MSVOA_N
ClientSampled :

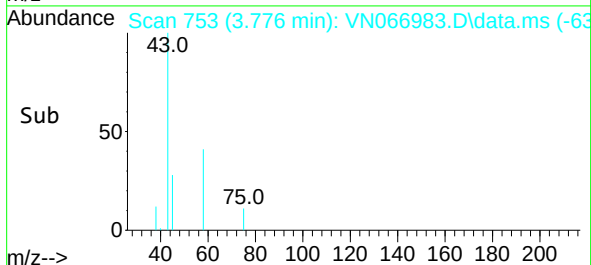
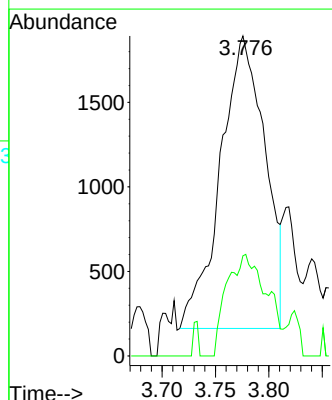
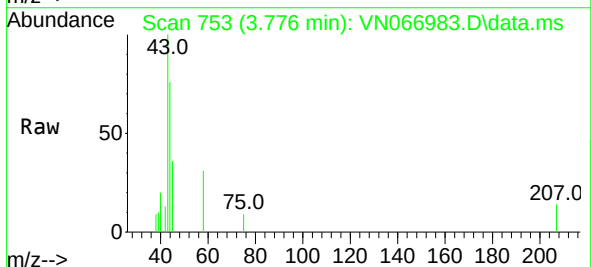


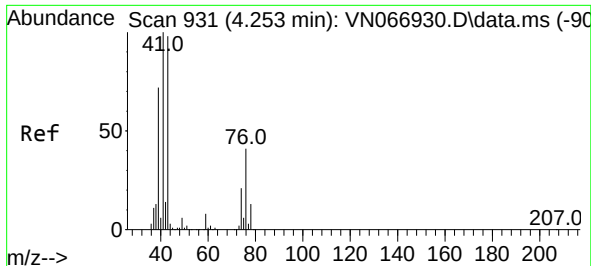
Tgt Ion: 56 Resp: 1333
Ion Ratio Lower Upper
56 100
55 50.6 56.0 84.0#



#16
Acetone
Concen: 2.05 ug/l
RT: 3.776 min Scan# 753
Delta R.T. 0.022 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

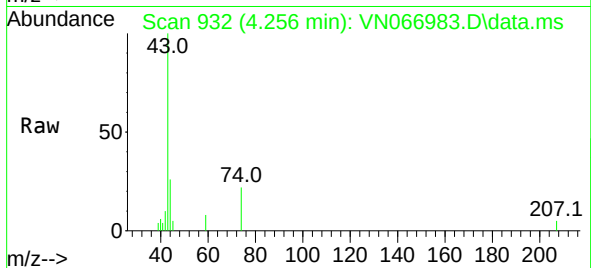
Tgt Ion: 43 Resp: 5028
Ion Ratio Lower Upper
43 100
58 34.2 27.0 40.6



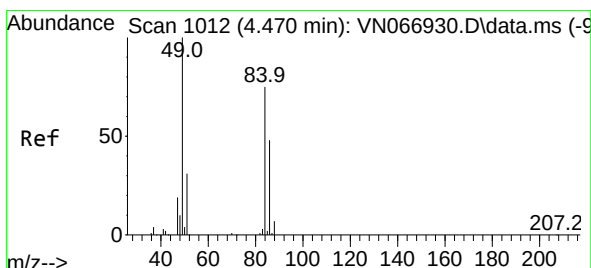
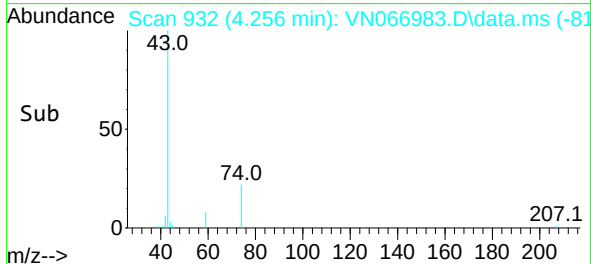
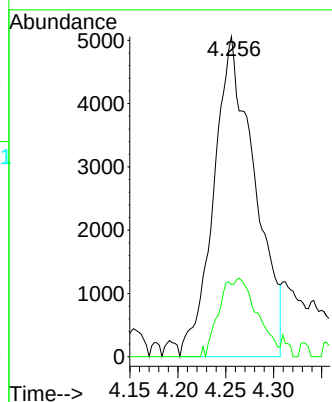


#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Instrument :
MSVOA_N
ClientSampled :

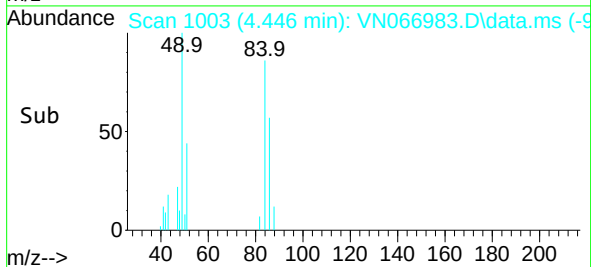
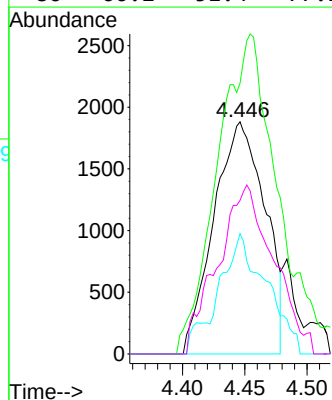
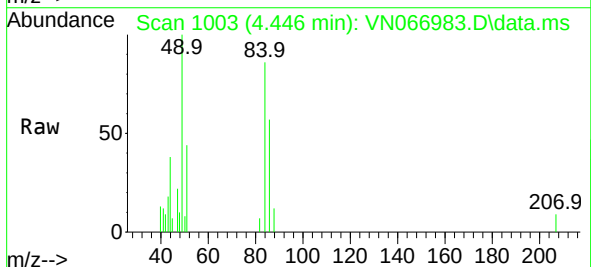


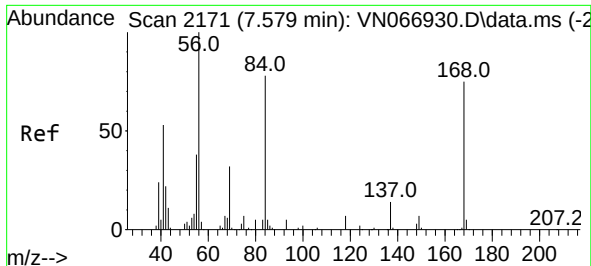
Tgt Ion: 43 Resp: 14978
Ion Ratio Lower Upper
43 100
74 8.4 19.5 29.3#



#20
Methylene Chloride
Concen: 0.87 ug/l
RT: 4.446 min Scan# 1003
Delta R.T. -0.024 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

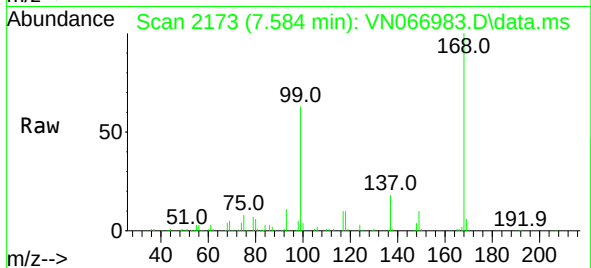
Tgt Ion: 84 Resp: 5370
Ion Ratio Lower Upper
84 100
49 108.4 94.6 141.8
51 51.8 29.9 44.9#
86 66.2 51.4 77.2



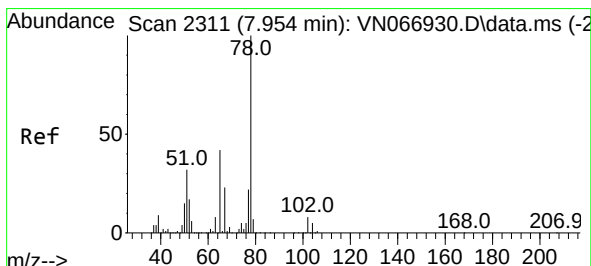
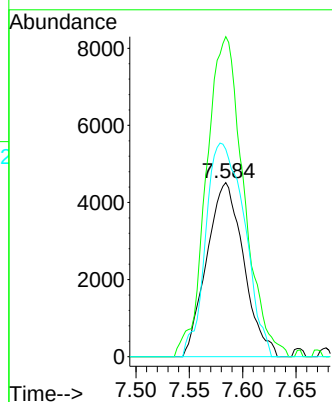
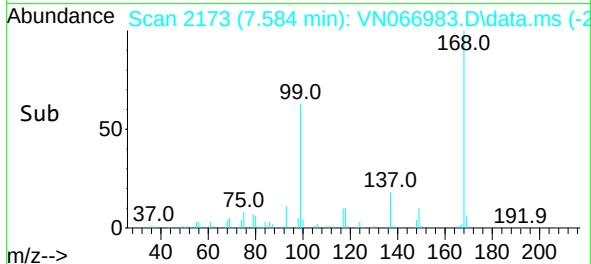


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. 0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

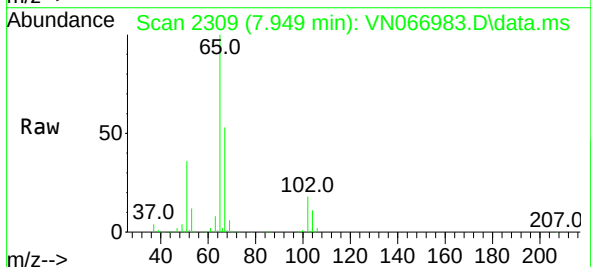
Instrument :
MSVOA_N
ClientSampled :



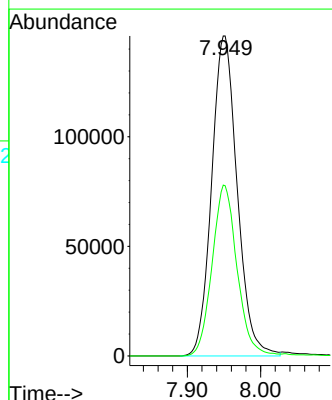
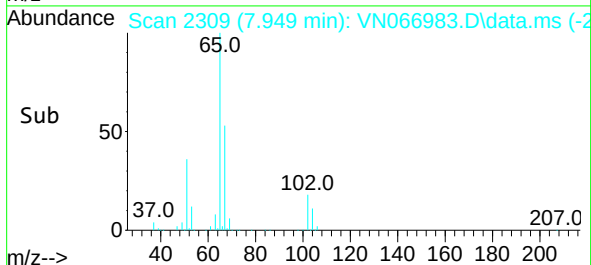
Tgt Ion: 56 Resp: 10852
Ion Ratio Lower Upper
56 100
69 177.4 26.6 39.8#
84 119.1 70.4 105.6#

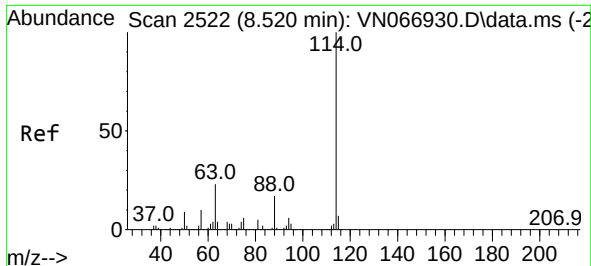


#33
1,2-Dichloroethane-d4
Concen: 50.83 ug/l
RT: 7.949 min Scan# 2309
Delta R.T. -0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59



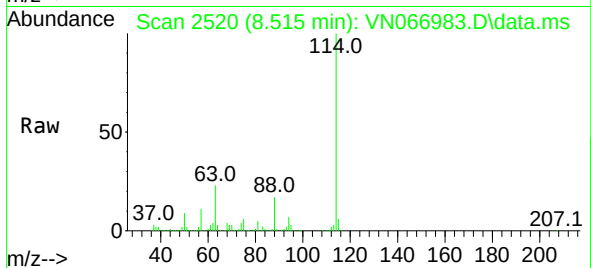
Tgt Ion: 65 Resp: 353594
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



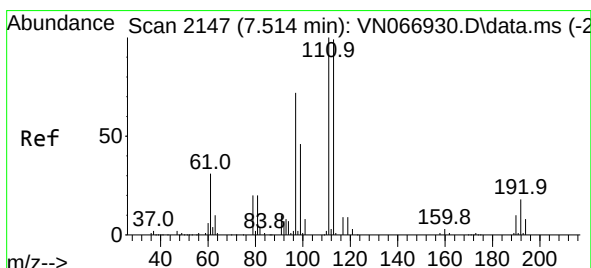
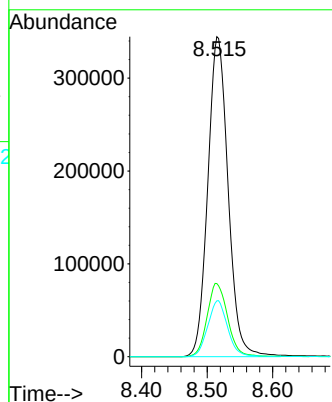
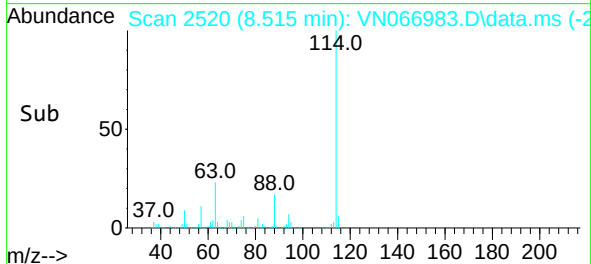


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2520
Delta R.T. -0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

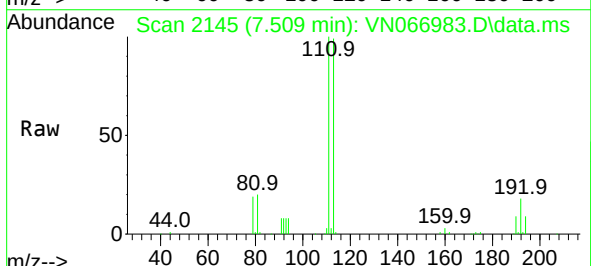
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ClientSampled :



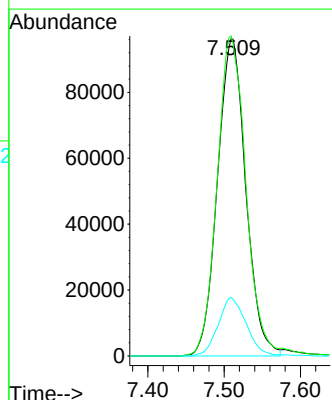
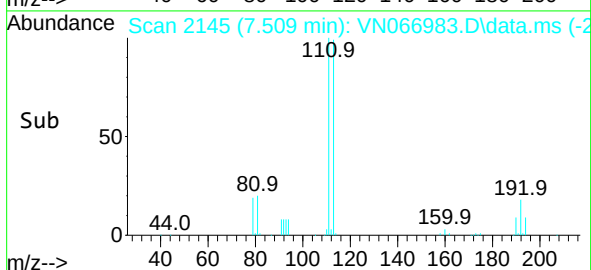
Tgt Ion:114 Resp: 740144
Ion Ratio Lower Upper
114 100
63 22.9 0.0 38.6
88 17.4 0.0 30.6

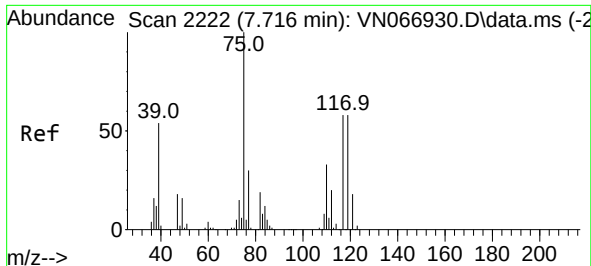


#35
Dibromofluoromethane
Concen: 49.37 ug/l
RT: 7.509 min Scan# 2145
Delta R.T. -0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59



Tgt Ion:113 Resp: 248137
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.2 15.4 23.0

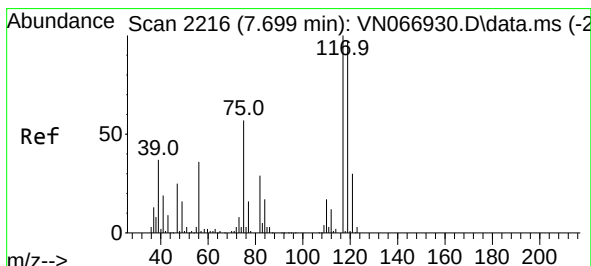
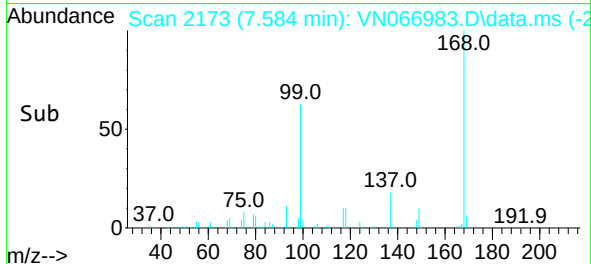
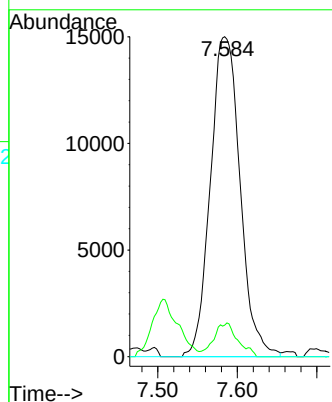
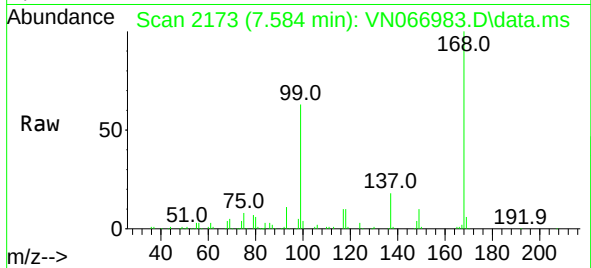




#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

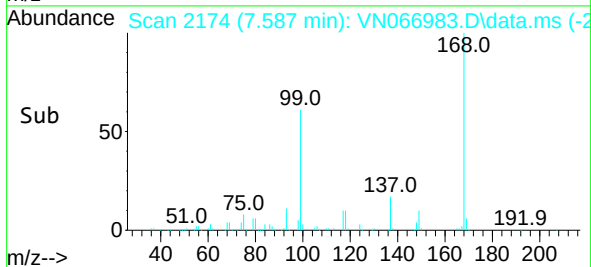
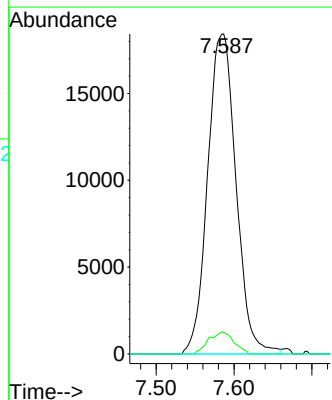
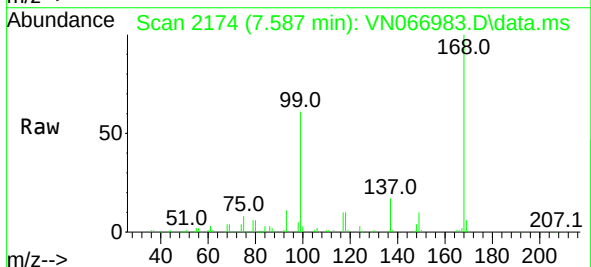
Instrument :
MSVOA_N
ClientSampled :

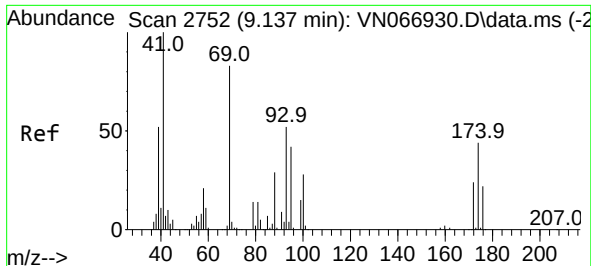
Tgt Ion: 75 Resp: 38875
Ion Ratio Lower Upper
75 100
110 8.5 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.112 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

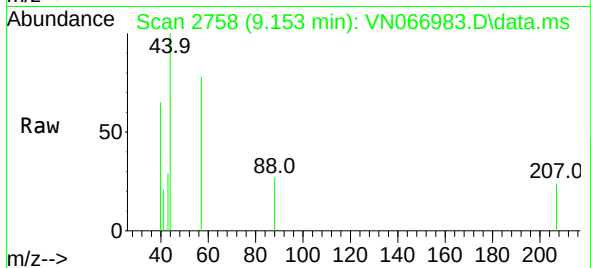
Tgt Ion: 117 Resp: 46640
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 24.5 36.7#



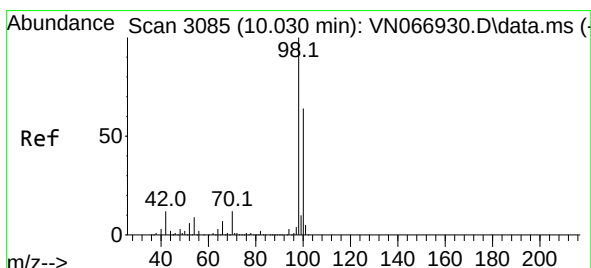
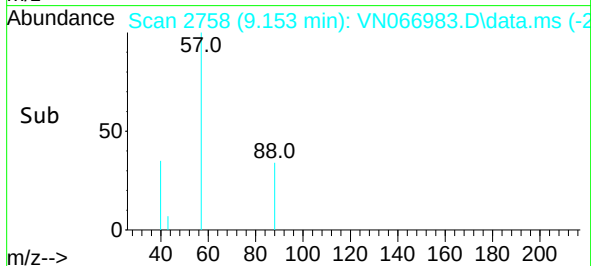
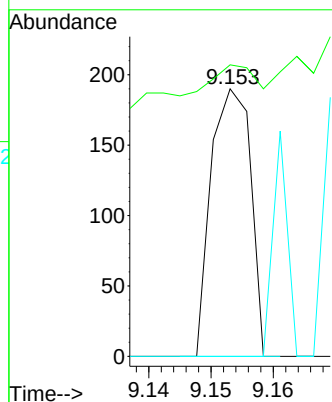


#49
1,4-Dioxane
Concen: 0.93 ug/l
RT: 9.153 min Scan# 2758
Delta R.T. 0.016 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Instrument :
MSVOA_N
ClientSampled :

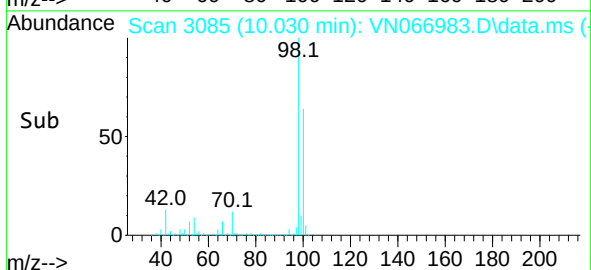
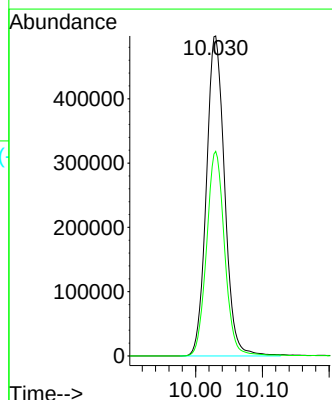
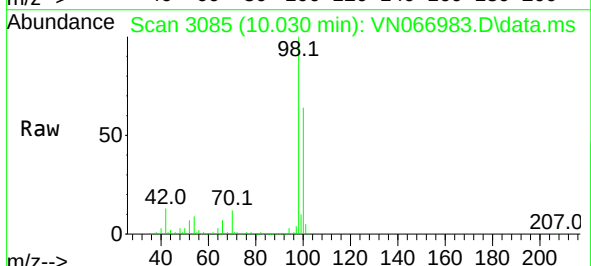


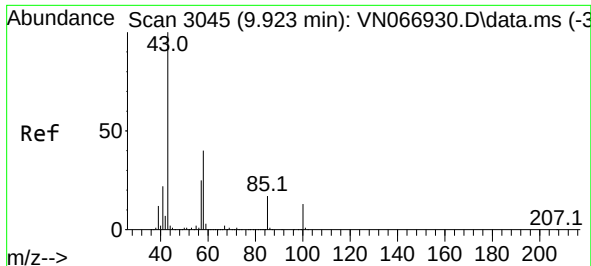
Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 31.3 52.6 78.8#



#50
Toluene-d8
Concen: 49.35 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion: 98 Resp: 944495
Ion Ratio Lower Upper
98 100
100 63.2 50.5 75.7

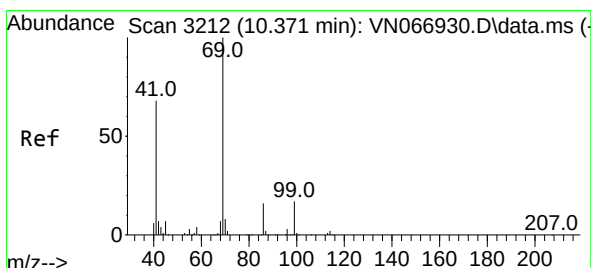
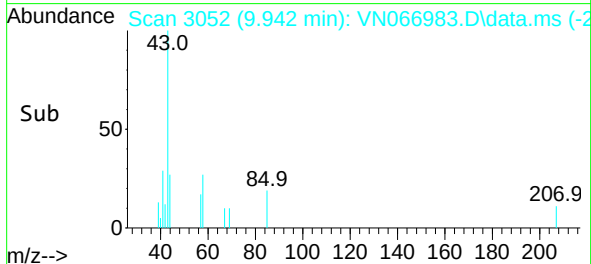
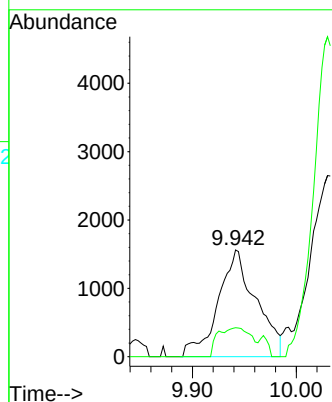
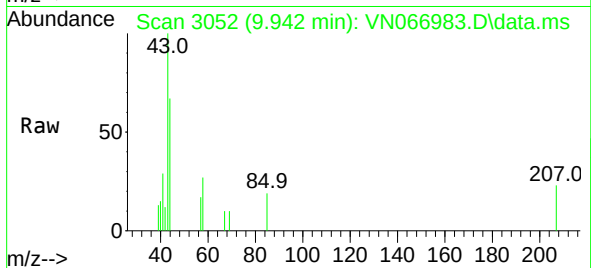




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 9.942 min Scan# 3052
Delta R.T. 0.019 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

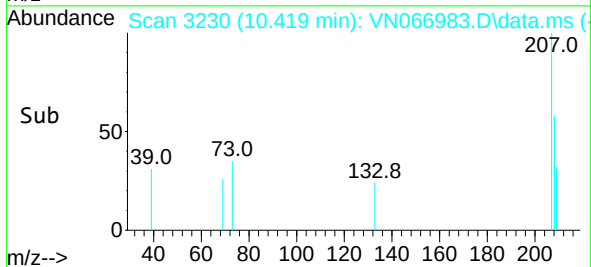
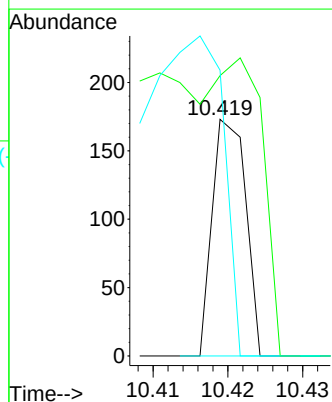
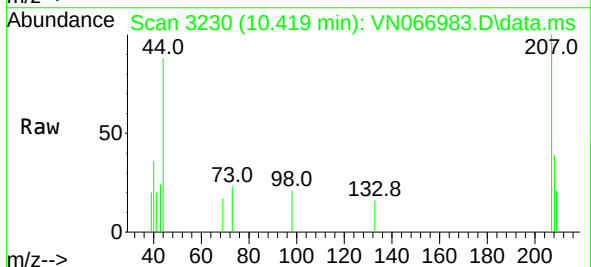
Instrument :
MSVOA_N
ClientSampled :

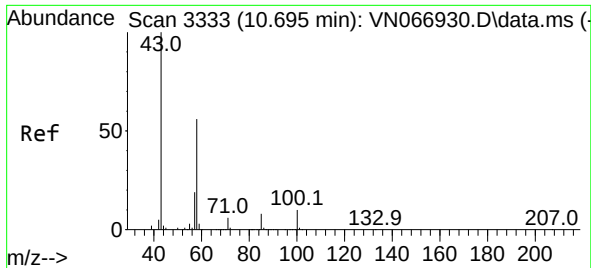
Tgt Ion: 43 Resp: 3936
Ion Ratio Lower Upper
43 100
58 24.1 32.5 48.7#



#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.419 min Scan# 3230
Delta R.T. 0.048 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 463.0 49.6 74.4#
39 309.3 28.0 42.0#

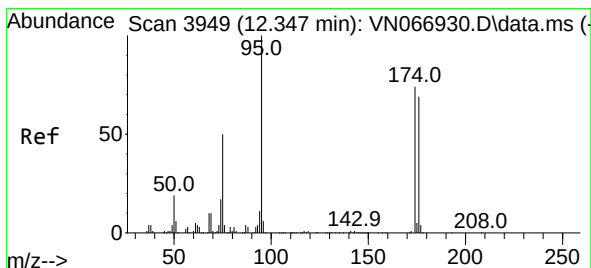
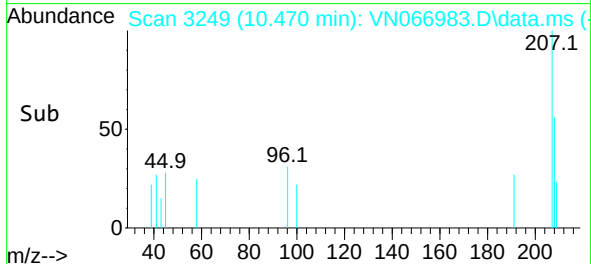
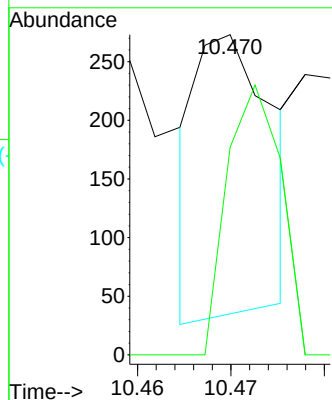
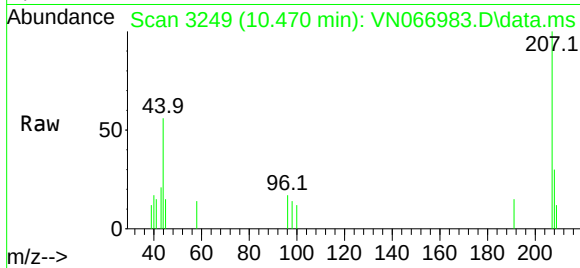




#59
2-Hexanone
Concen: 28.39 ug/l
RT: 10.470 min Scan# 3249
Delta R.T. -0.225 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

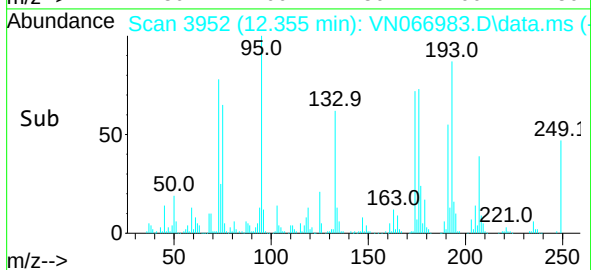
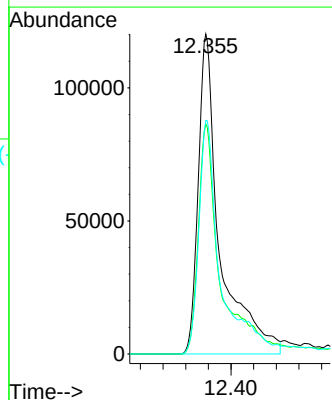
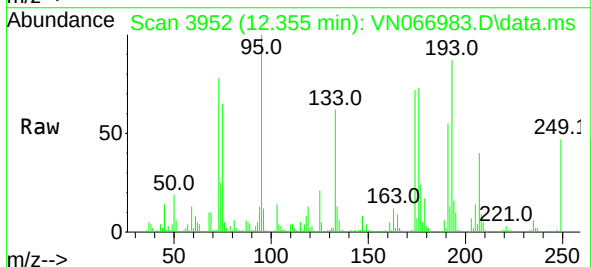
Instrument :
MSVOA_N
ClientSampled :

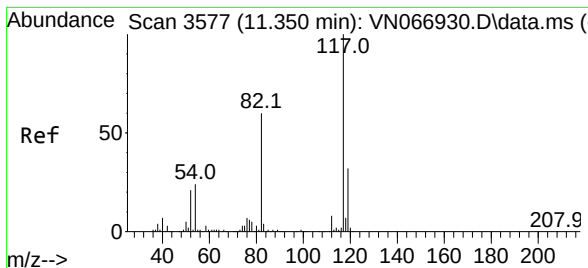
Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
58 69.9 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 49.38 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.008 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

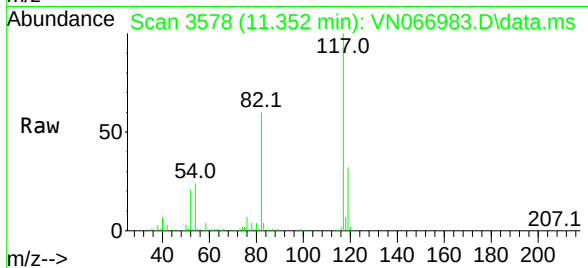
Tgt Ion: 95 Resp: 320014
Ion Ratio Lower Upper
95 100
174 73.6 0.0 169.0
176 62.2 0.0 162.4



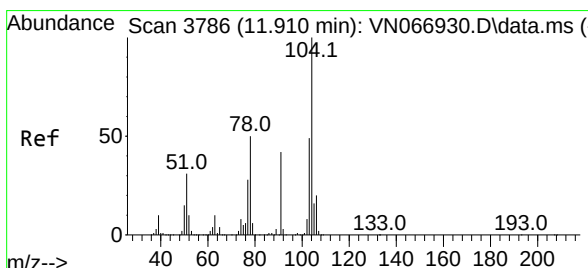
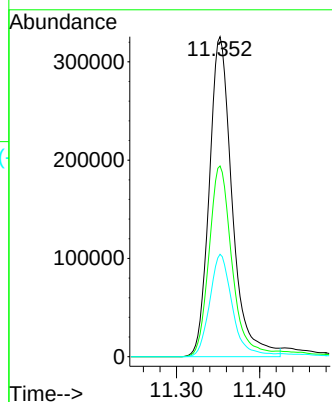
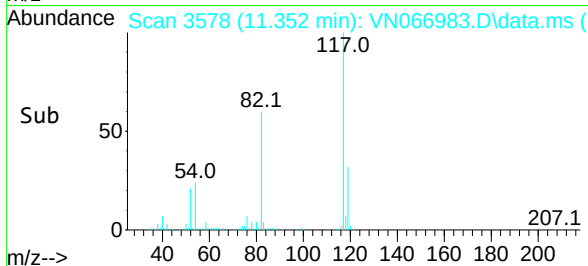


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

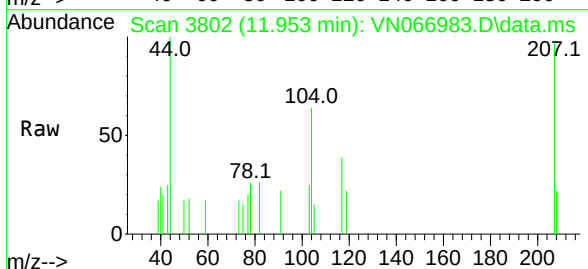
Instrument :
MSVOA_N
ClientSampleId :



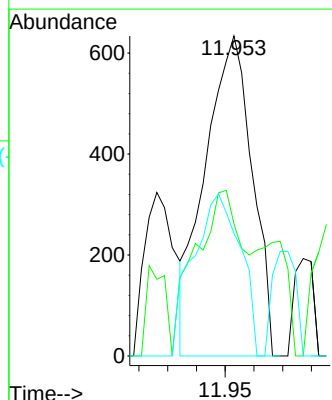
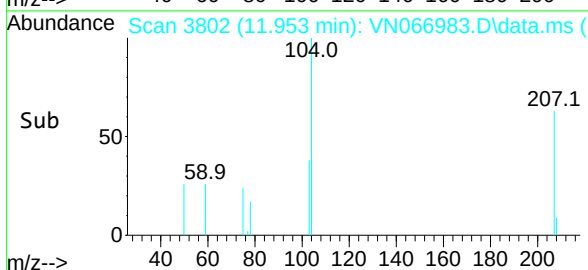
Tgt Ion:117 Resp: 623587
Ion Ratio Lower Upper
117 100
82 59.6 43.7 65.5
119 32.0 26.1 39.1

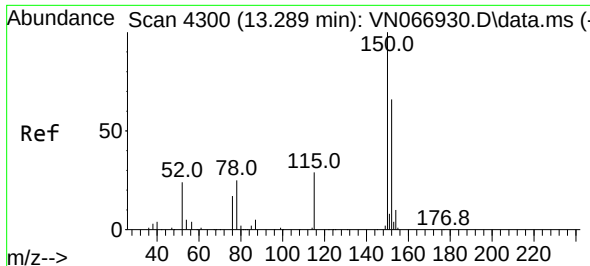


#70
Styrene
Concen: 4.75 ug/l
RT: 11.953 min Scan# 3802
Delta R.T. 0.043 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59



Tgt Ion:104 Resp: 726
Ion Ratio Lower Upper
104 100
78 51.9 39.0 58.4
103 51.0 44.5 66.7

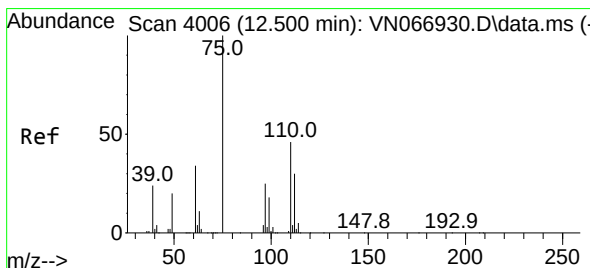
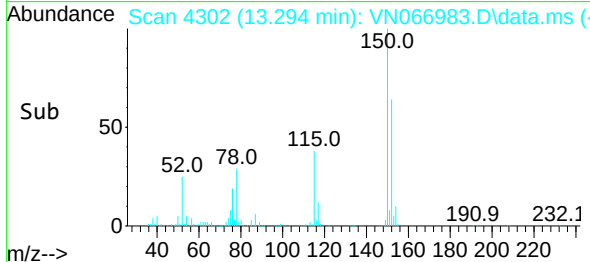
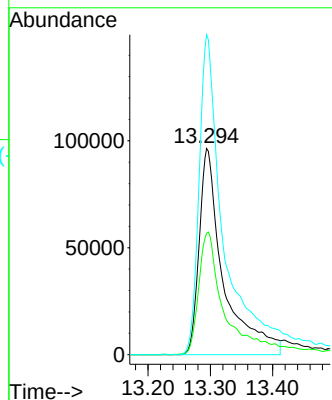
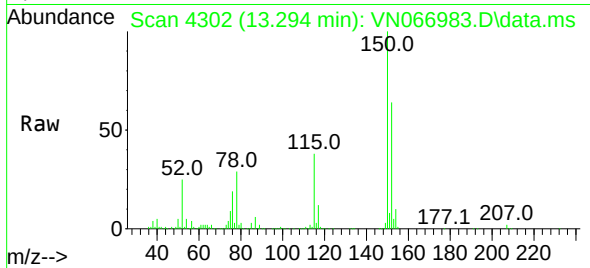




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

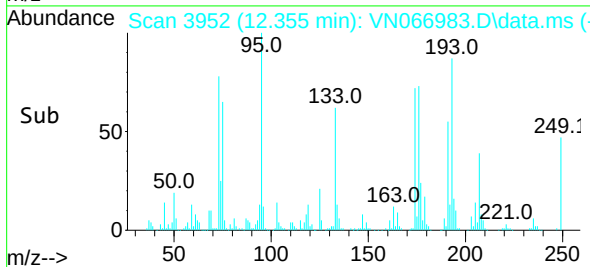
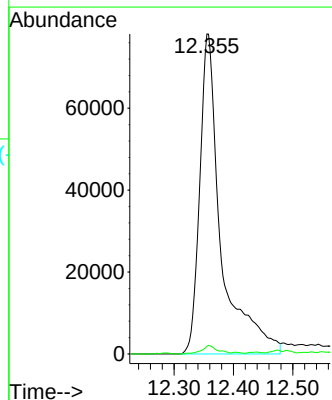
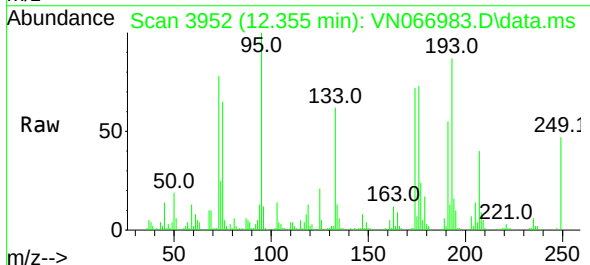
Instrument :
MSVOA_N
ClientSampled :

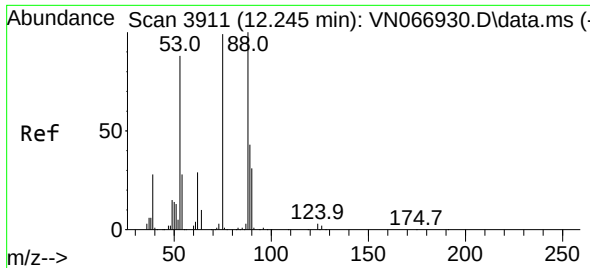
Tgt Ion:152 Resp: 260805
Ion Ratio Lower Upper
152 100
115 53.8 28.5 85.6
150 166.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 31.46 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. -0.145 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion: 75 Resp: 195443
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

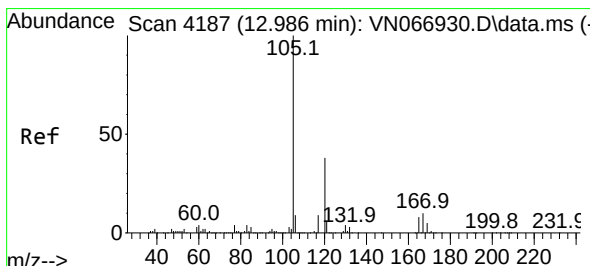
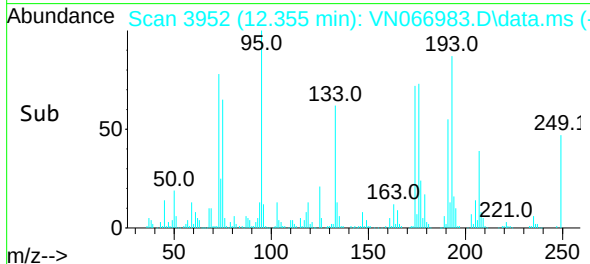
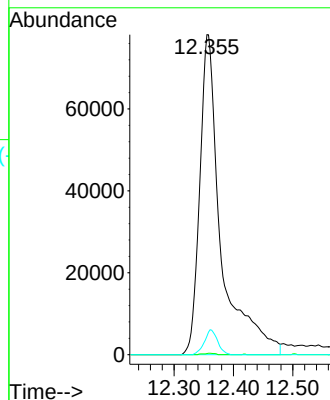
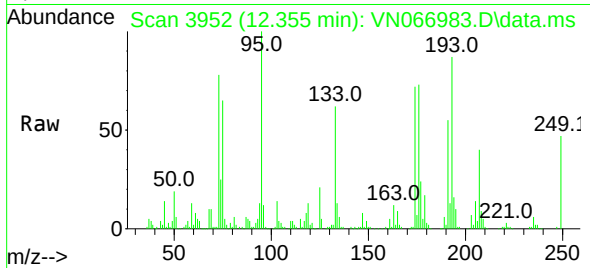




#81
trans-1,4-Dichloro-2-butene
Concen: 93.23 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.110 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

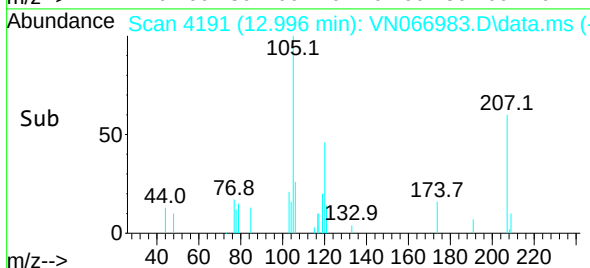
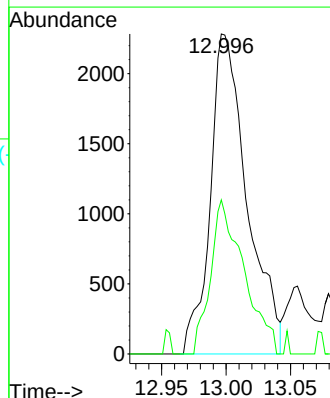
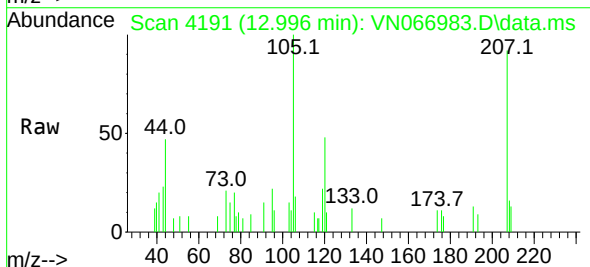
Instrument :
MSVOA_N
ClientSampleId :

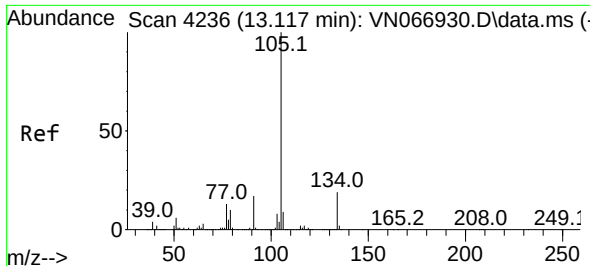
Tgt Ion: 75 Resp: 195443
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 4.8 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 12.996 min Scan# 4191
Delta R.T. 0.010 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion: 105 Resp: 4548
Ion Ratio Lower Upper
105 100
120 43.6 22.4 67.0

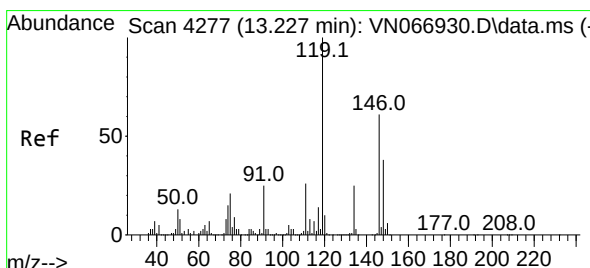
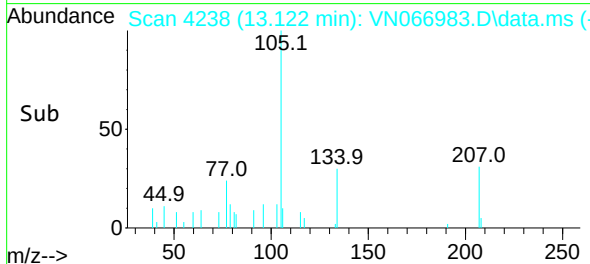
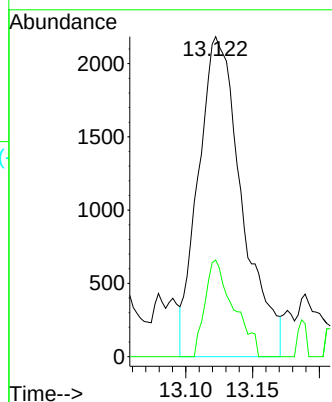
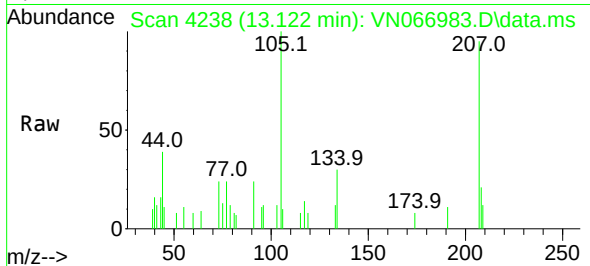




#85
 sec-Butylbenzene
 Concen: 0.26 ug/l
 RT: 13.122 min Scan# 4238
 Delta R.T. 0.005 min
 Lab File: VN066983.D
 Acq: 5 May 2021 12:59

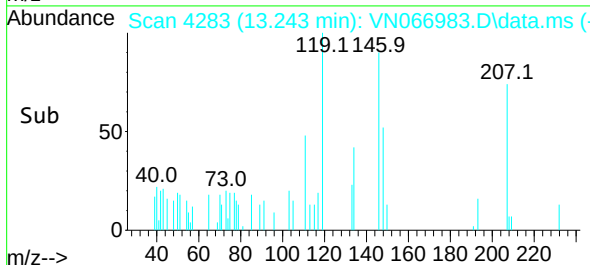
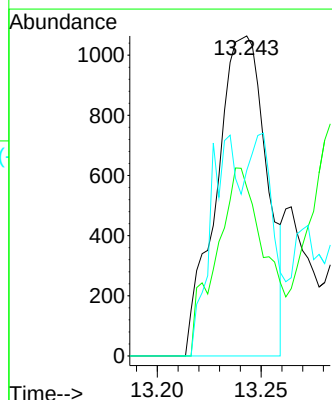
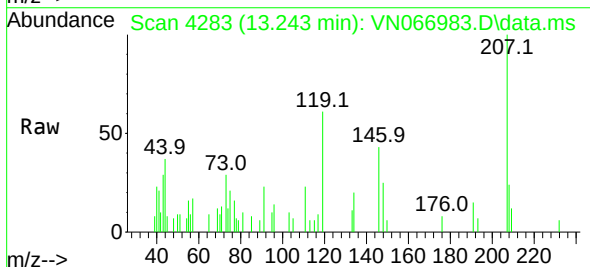
Instrument :
 MSVOA_N
 ClientSampled :

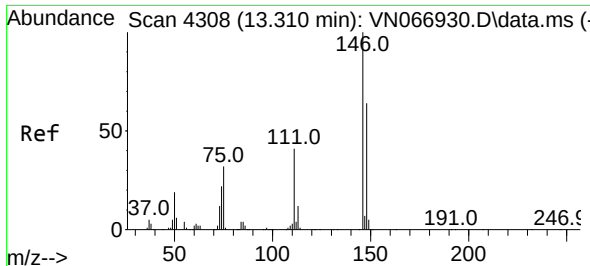
Tgt Ion:105 Resp: 4943
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0



#87
 1,3-Dichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.243 min Scan# 4283
 Delta R.T. 0.016 min
 Lab File: VN066983.D
 Acq: 5 May 2021 12:59

Tgt Ion:146 Resp: 1800
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.5 58.5#
 148 28.6 32.3 96.9#

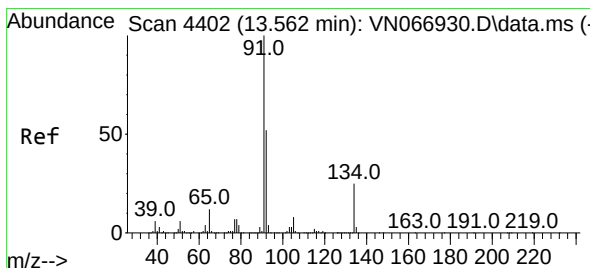
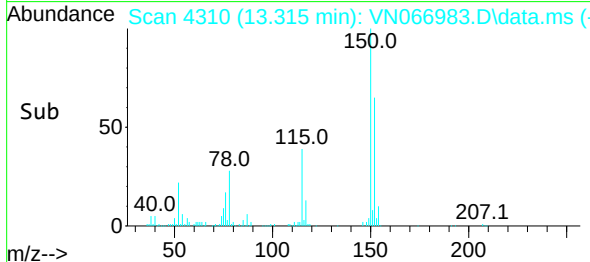
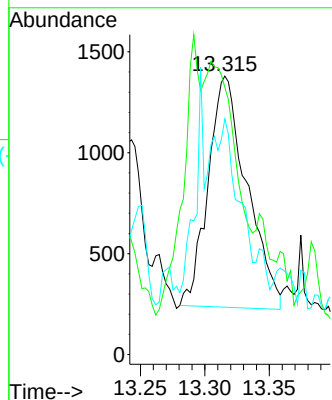
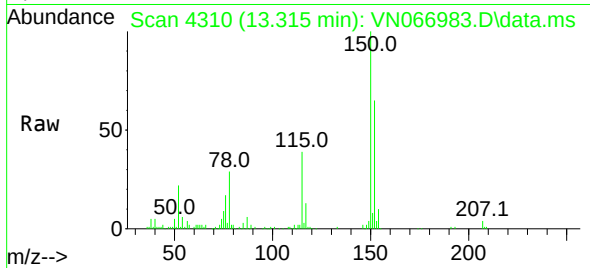




#88
1,4-Dichlorobenzene
Concen: 0.29 ug/l
RT: 13.315 min Scan# 4310
Delta R.T. 0.005 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

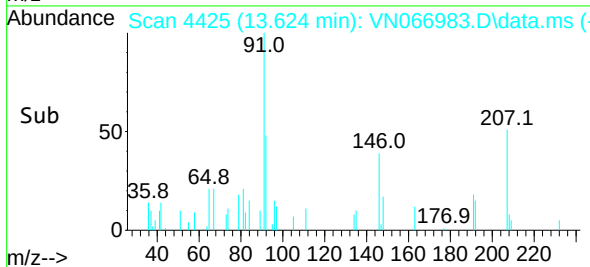
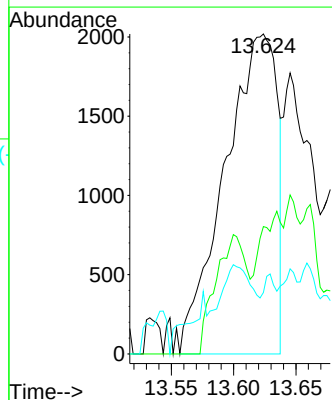
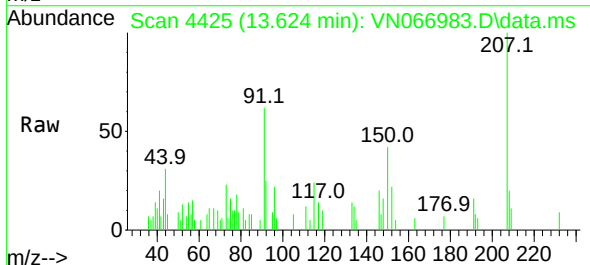
Instrument :
MSVOA_N
ClientSampled :

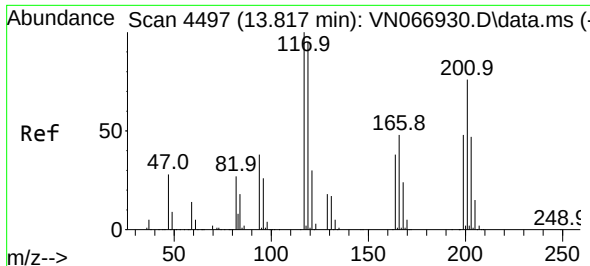
Tgt Ion:146 Resp: 2401
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 43.1 31.8 95.3



#89
n-Butylbenzene
Concen: 5.60 ug/l
RT: 13.624 min Scan# 4425
Delta R.T. 0.062 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion: 91 Resp: 5885
Ion Ratio Lower Upper
91 100
92 7.9 26.1 78.3#
134 1.3 13.0 38.9#

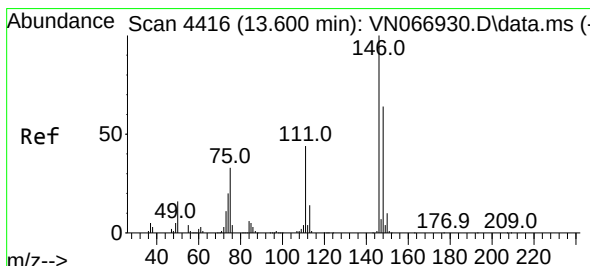
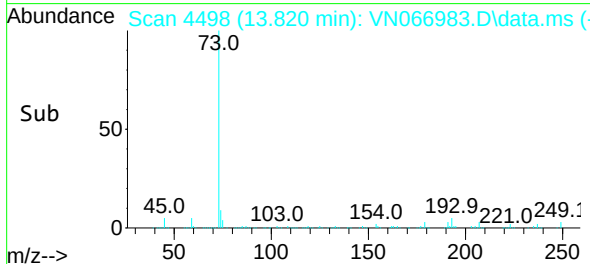
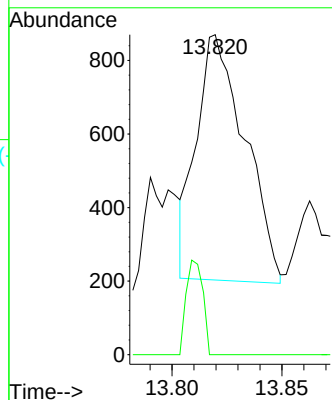
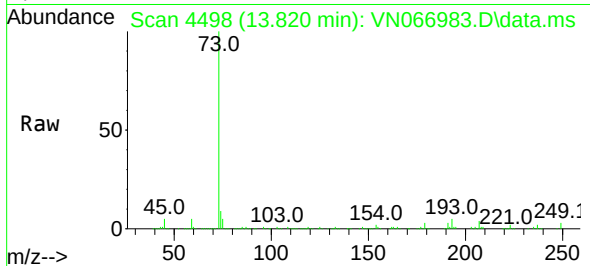




#90
Hexachloroethane
Concen: 0.28 ug/l
RT: 13.820 min Scan# 4498
Delta R.T. 0.003 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

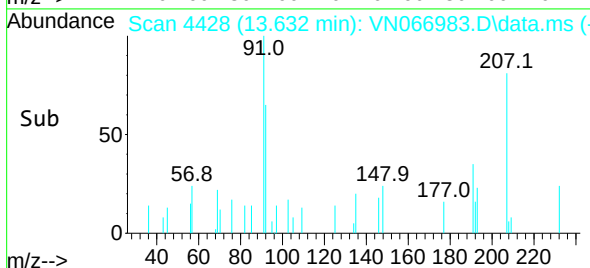
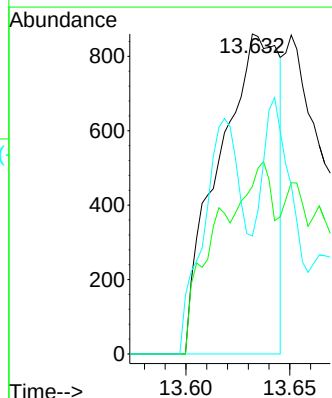
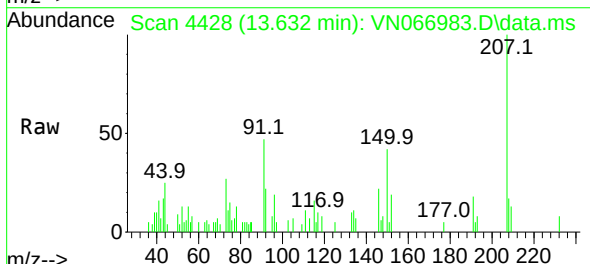
Instrument :
MSVOA_N
ClientSampled :

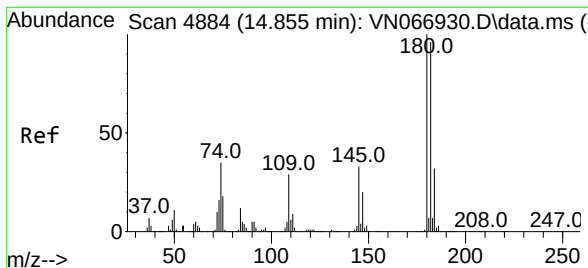
Tgt Ion:117 Resp: 1029
Ion Ratio Lower Upper
117 100
201 13.0 37.8 113.3#



#91
1,2-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.632 min Scan# 4428
Delta R.T. 0.032 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion:146 Resp: 1708
Ion Ratio Lower Upper
146 100
111 3.5 20.1 60.3#
148 27.3 32.0 96.0#

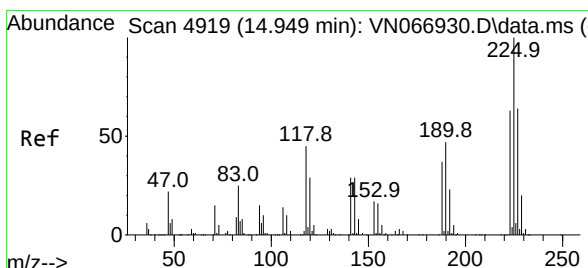
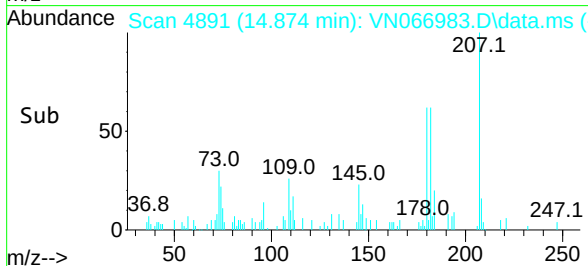
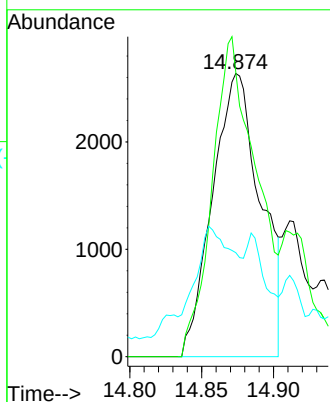
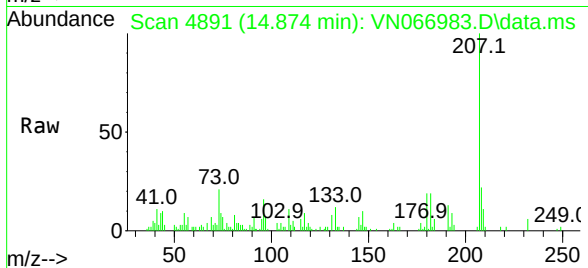




#93
1,2,4-Trichlorobenzene
Concen: 1.40 ug/l
RT: 14.874 min Scan# 4891
Delta R.T. 0.019 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

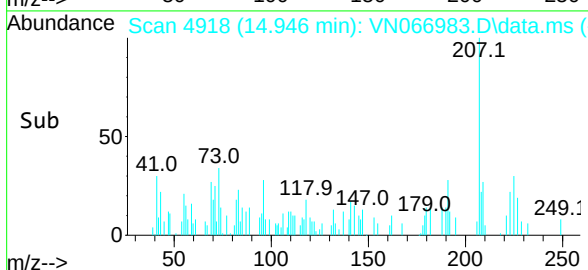
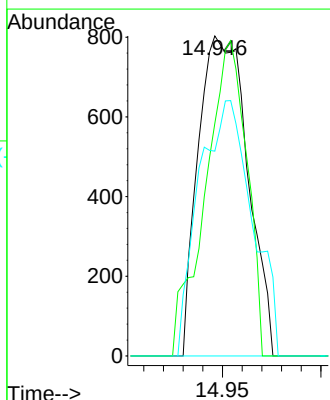
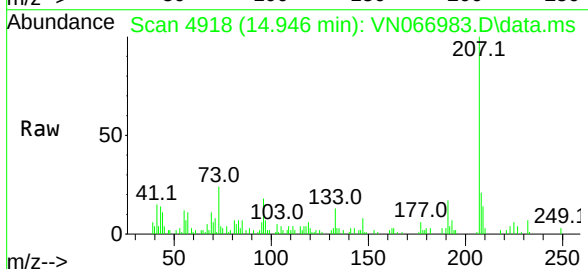
Instrument :
MSVOA_N
ClientSampleId :

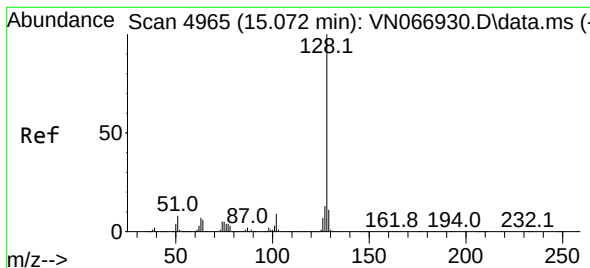
Tgt Ion:180 Resp: 6128
Ion Ratio Lower Upper
180 100
182 104.0 47.3 142.0
145 23.7 15.6 46.8



#94
Hexachlorobutadiene
Concen: 0.52 ug/l
RT: 14.946 min Scan# 4918
Delta R.T. -0.003 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion:225 Resp: 1398
Ion Ratio Lower Upper
225 100
223 82.7 31.9 95.9
227 86.0 31.6 95.0

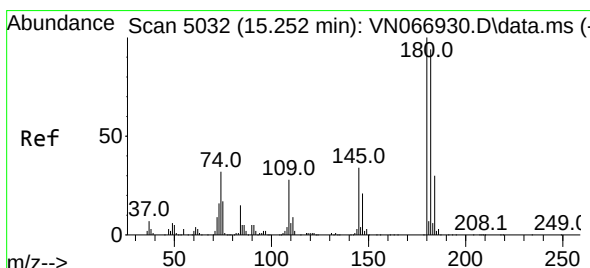
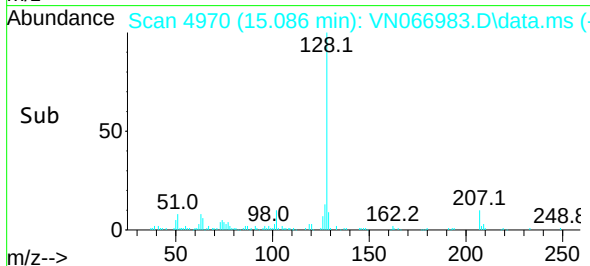
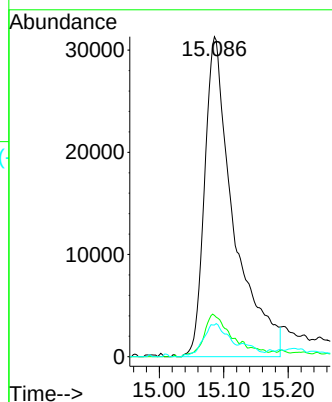
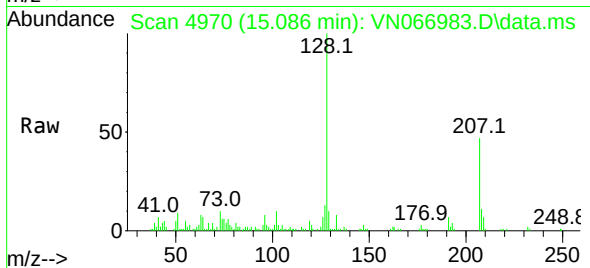




#95
Naphthalene
Concen: 8.53 ug/l
RT: 15.086 min Scan# 4970
Delta R.T. 0.014 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 97659
Ion Ratio Lower Upper
128 100
127 11.2 10.2 15.2
129 8.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.98 ug/l
RT: 15.263 min Scan# 5036
Delta R.T. 0.011 min
Lab File: VN066983.D
Acq: 5 May 2021 12:59

Tgt Ion:180 Resp: 12650
Ion Ratio Lower Upper
180 100
182 94.0 47.4 142.3
145 5.5 16.5 49.5#

