

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066249.D
 Acq On : 18 Mar 2021 12:51
 Operator : JC/MD
 Sample : M1714-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:23:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

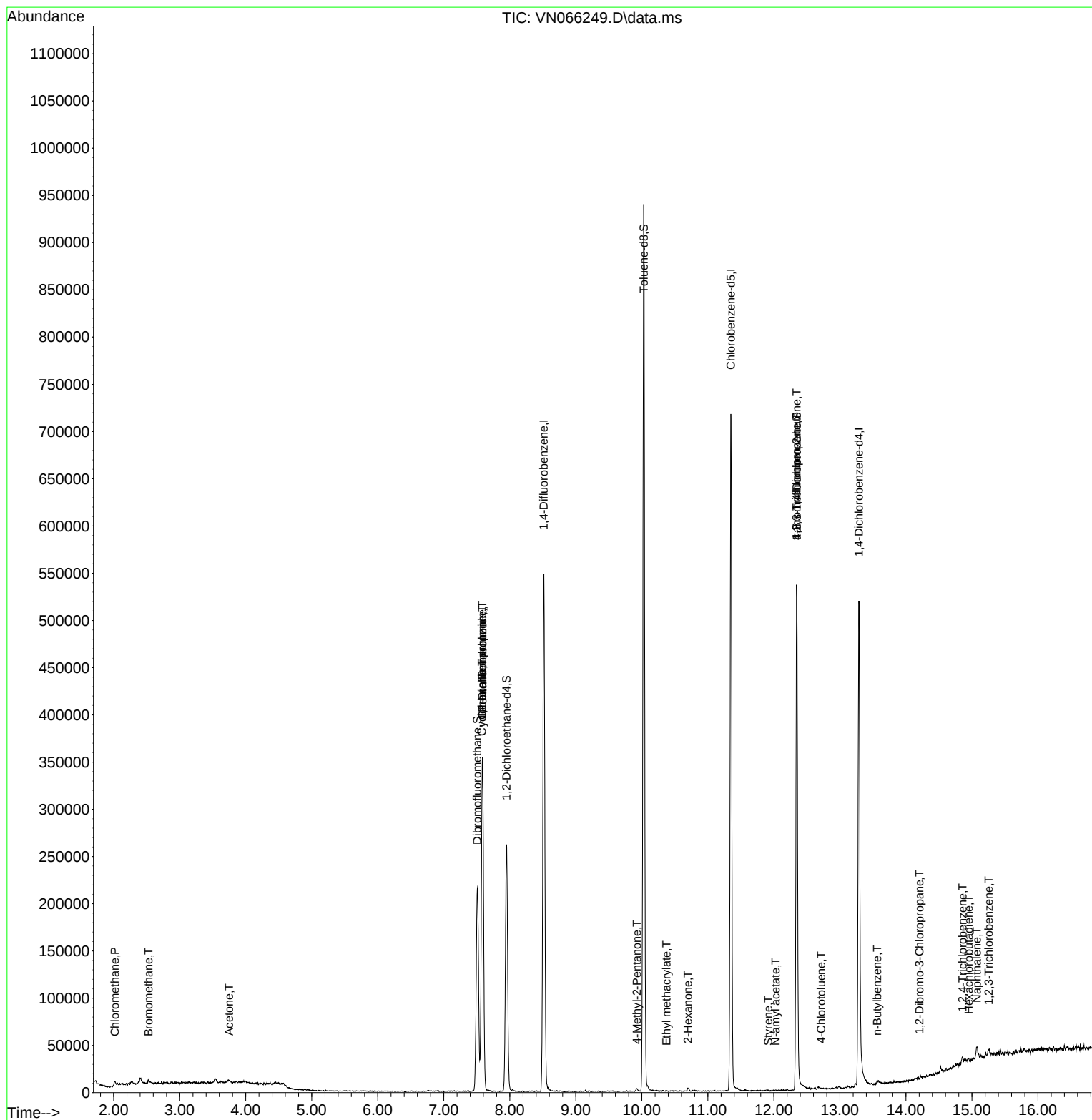
Internal Standards						
1) Pentafluorobenzene	7.585	168	316823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	487111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	410414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	158179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	215588	47.23	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.46%			
35) Dibromofluoromethane	7.507	113	169215	54.45	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.90%			
50) Toluene-d8	10.028	98	633758	52.74	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.48%			
62) 4-Bromofluorobenzene	12.345	95	190472	43.98	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.96%			
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	2916	0.27	ug/l #	86
5) Bromomethane	2.526	94	533	0.21	ug/l #	41
13) Acrolein	3.529	56	3882	Below Cal		91
16) Acetone	3.747	43	2429	1.11	ug/l	98
31) Cyclohexane	7.579	56	5423	0.79	ug/l #	1
36) 1,1-Dichloropropene	7.582	75	20283	4.11	ug/l #	50
38) Carbon Tetrachloride	7.582	117	26667	6.03	ug/l #	17
51) 4-Methyl-2-Pentanone	9.923	43	2418	0.37	ug/l #	77
56) Ethyl methacrylate	10.374	69	190	2.19	ug/l #	1
59) 2-Hexanone	10.698	43	2373	1.79	ug/l	89
70) Styrene	11.916	104	425	2.19	ug/l #	37
74) N-amyl acetate	12.026	43	79	2.17	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	91165	22.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	91165	66.79	ug/l #	11
82) 4-Chlorotoluene	12.715	91	814	0.56	ug/l	82
89) n-Butylbenzene	13.565	91	2943	2.55	ug/l	84
92) 1,2-Dibromo-3-Chloropr...	14.204	75	41	0.88	ug/l #	42
93) 1,2,4-Trichlorobenzene	14.858	180	2084	0.66	ug/l #	56
94) Hexachlorobutadiene	14.949	225	457	0.30	ug/l #	74
95) Naphthalene	15.073	128	12398	1.34	ug/l	97
96) 1,2,3-Trichlorobenzene	15.252	180	2810	0.89	ug/l #	80

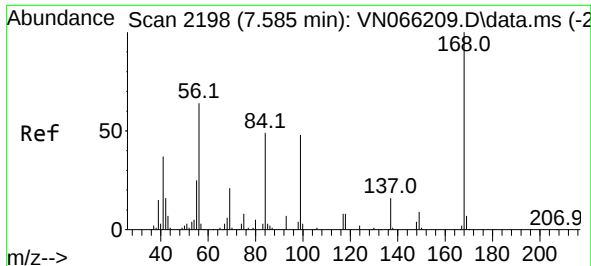
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Title : SW846 8260
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Response via : Initial Calibration

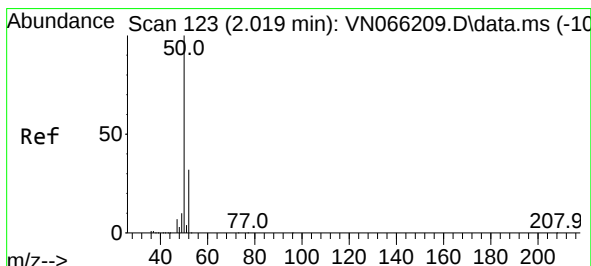
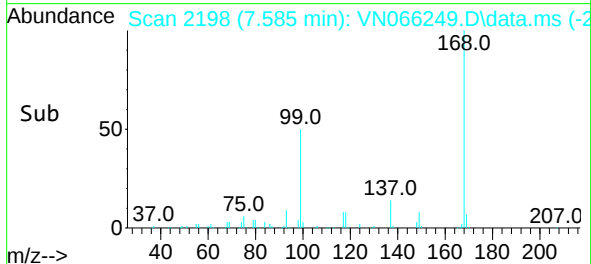
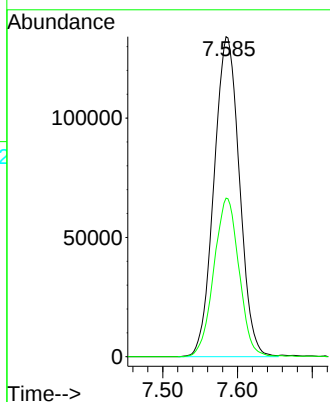
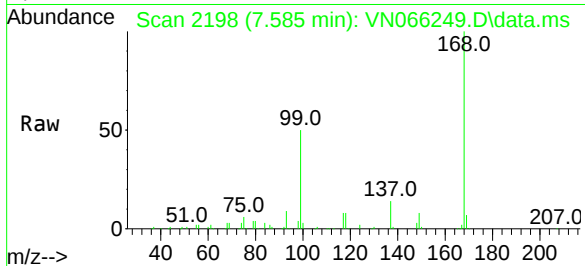




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

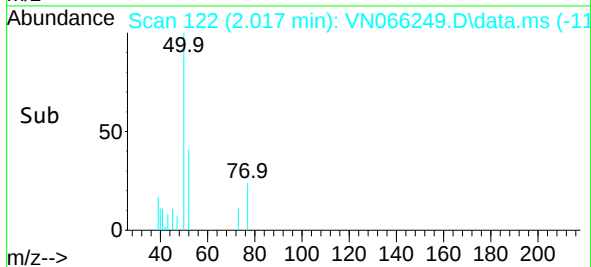
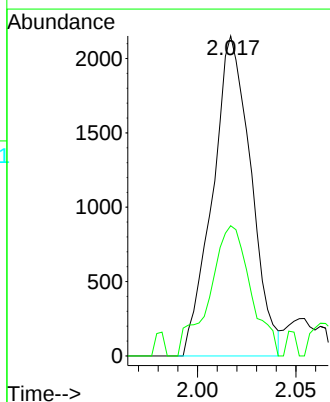
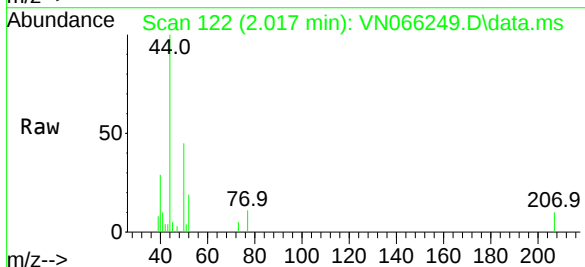
Instrument :
MSVOA_N
ClientSampled :

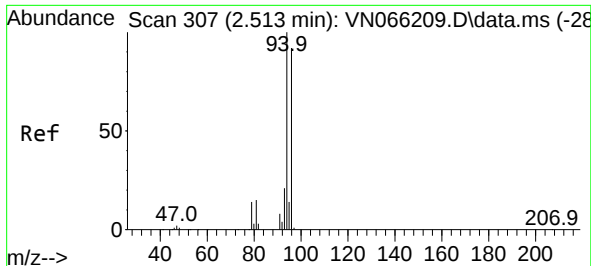
Tgt Ion:168 Resp: 316823
Ion Ratio Lower Upper
168 100
99 49.6 45.4 68.0



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.002 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 50 Resp: 2916
Ion Ratio Lower Upper
50 100
52 40.7 26.2 39.4#

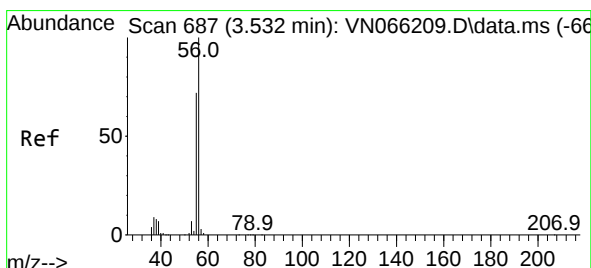
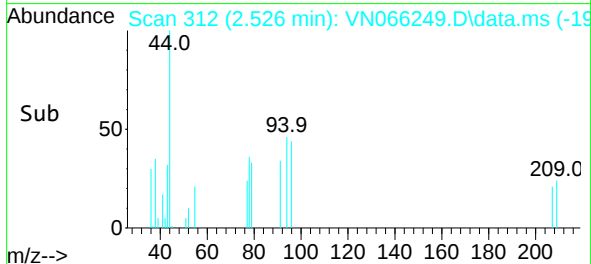
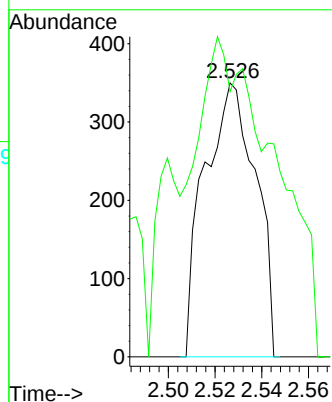
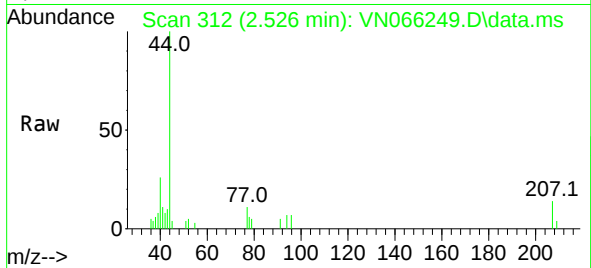




#5
Bromomethane
Concen: 0.21 ug/l
RT: 2.526 min Scan# 312
Delta R.T. 0.013 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

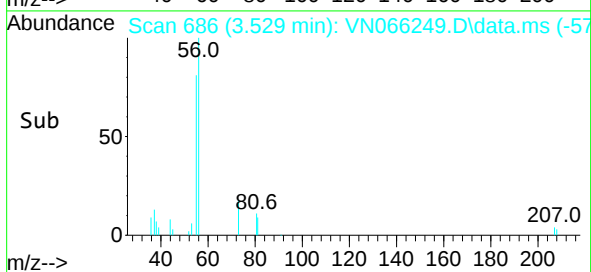
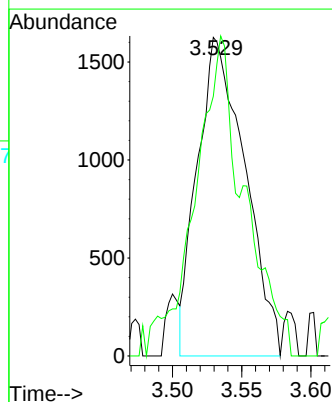
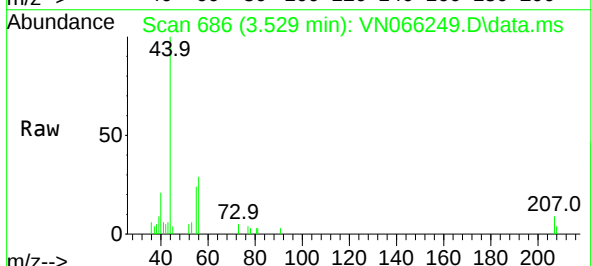
Instrument :
MSVOA_N
ClientSampleId :

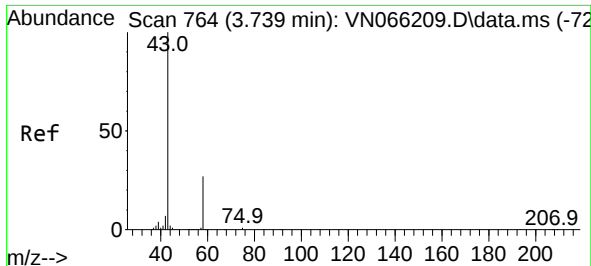
Tgt Ion: 94 Resp: 533
Ion Ratio Lower Upper
94 100
96 38.3 77.3 115.9#



#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. -0.003 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

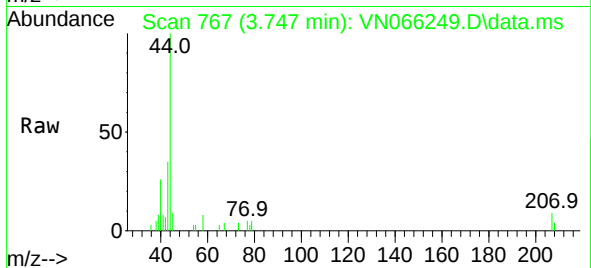
Tgt Ion: 56 Resp: 3882
Ion Ratio Lower Upper
56 100
55 80.0 58.0 87.0



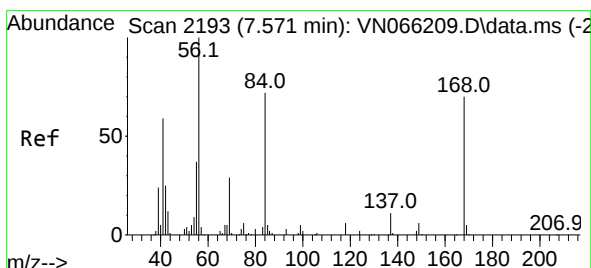
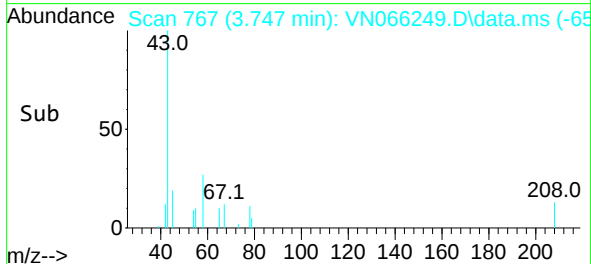
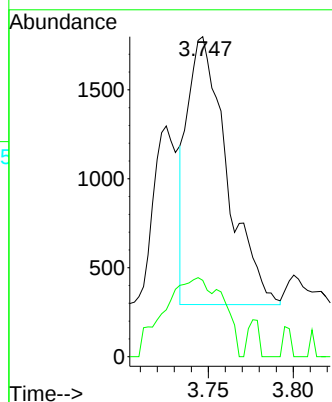


#16
Acetone
Concen: 1.11 ug/l
RT: 3.747 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Instrument :
MSVOA_N
ClientSampled :

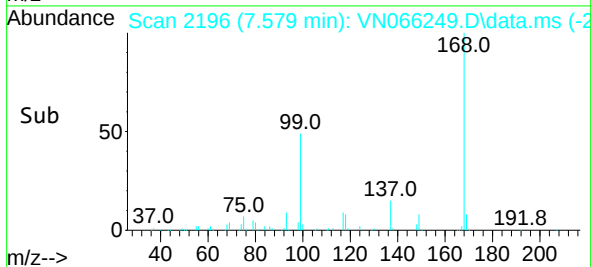
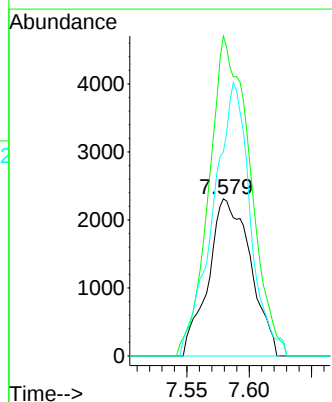
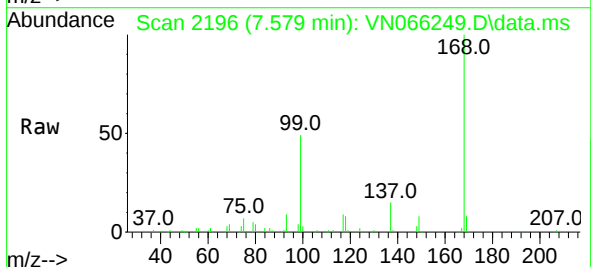


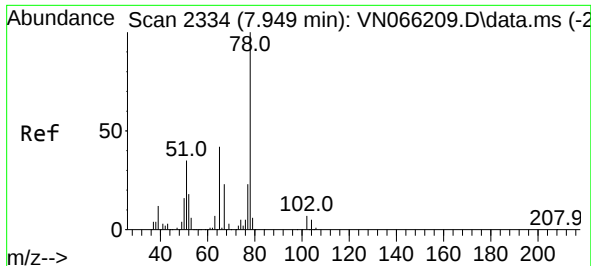
Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
58 28.9 22.3 33.5



#31
Cyclohexane
Concen: 0.79 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.008 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 56 Resp: 5423
Ion Ratio Lower Upper
56 100
69 196.1 23.4 35.0#
84 130.0 57.8 86.6#

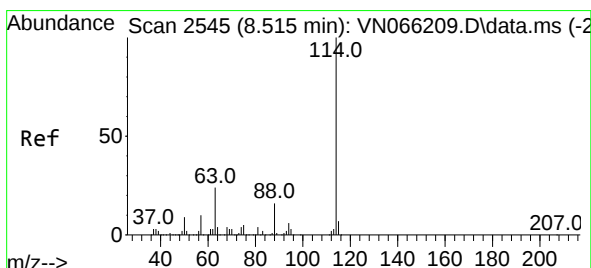
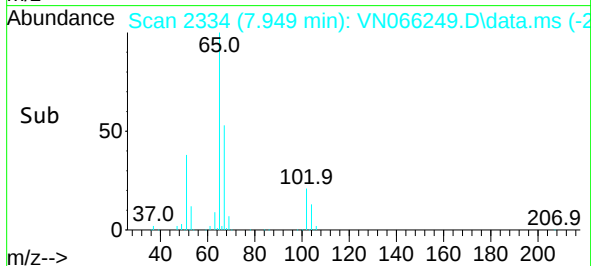
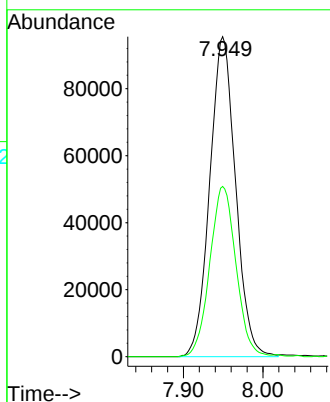
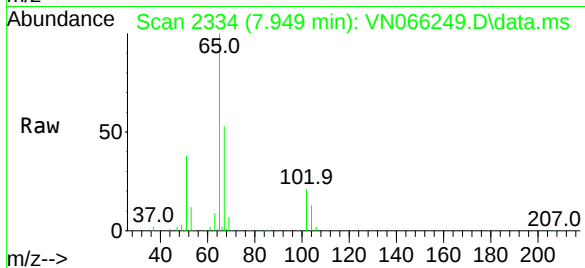




#33
 1,2-Dichloroethane-d4
 Concen: 47.23 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066249.D
 Acq: 18 Mar 2021 12:51

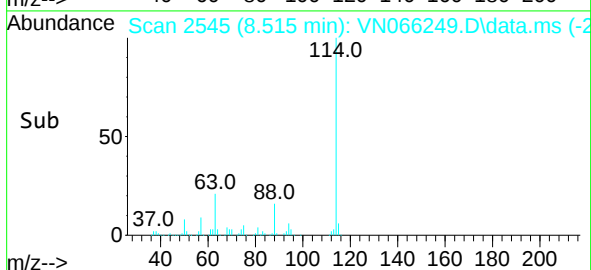
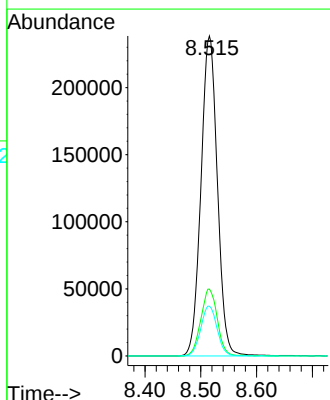
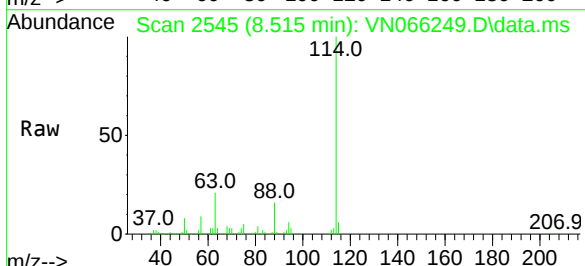
Instrument :
 MSVOA_N
 ClientSampled :

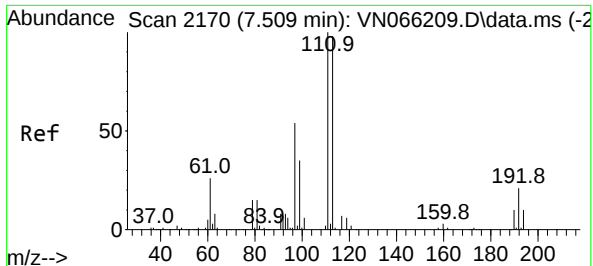
Tgt Ion: 65 Resp: 215588
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.000 min
 Lab File: VN066249.D
 Acq: 18 Mar 2021 12:51

Tgt Ion: 114 Resp: 487111
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 49.2
 88 15.6 0.0 33.8

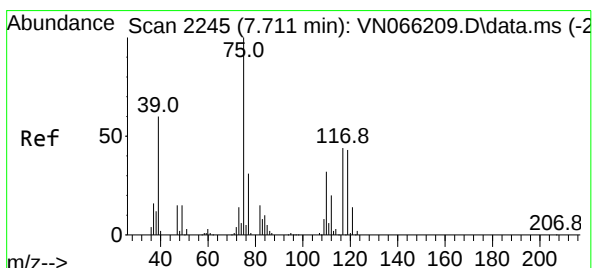
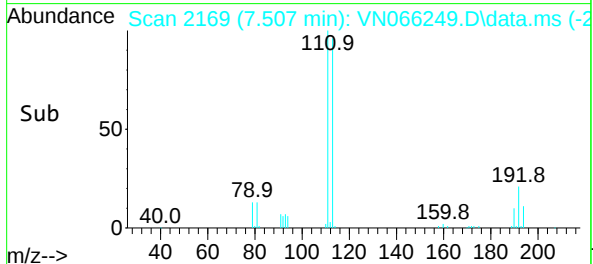
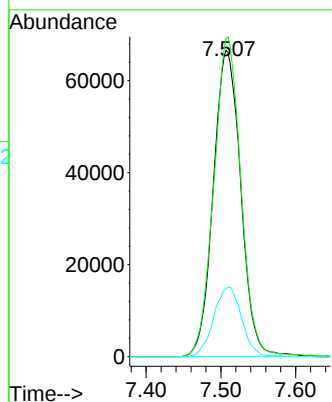
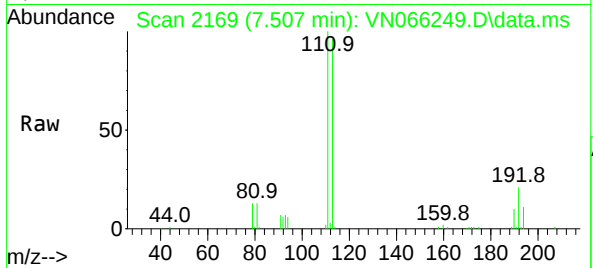




#35
Dibromofluoromethane
Concen: 54.45 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

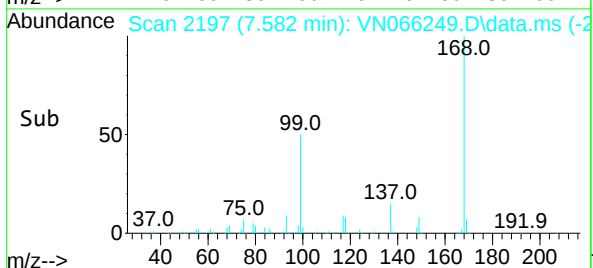
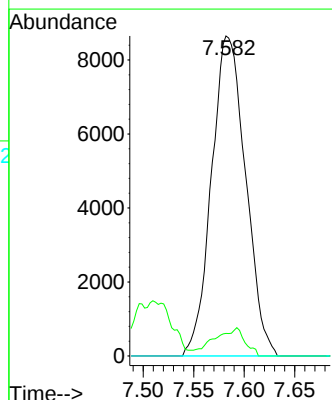
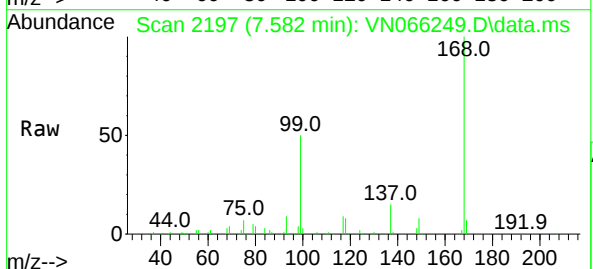
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MSVOA_N
ClientSampleId :

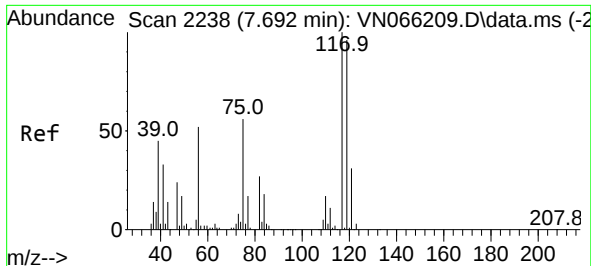
Tgt Ion:113 Resp: 169215
Ion Ratio Lower Upper
113 100
111 103.3 84.0 126.0
192 23.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.11 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

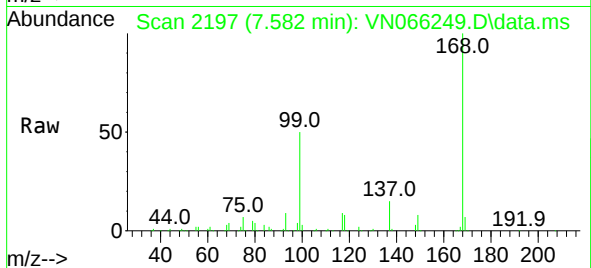
Tgt Ion: 75 Resp: 20283
Ion Ratio Lower Upper
75 100
110 7.9 16.0 48.0#
77 0.0 24.9 37.3#



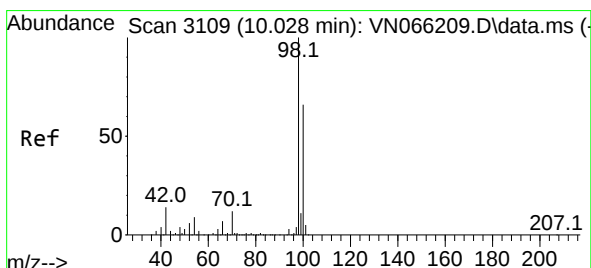
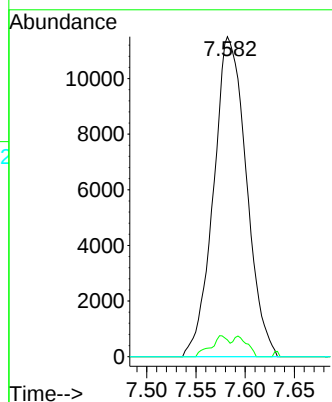
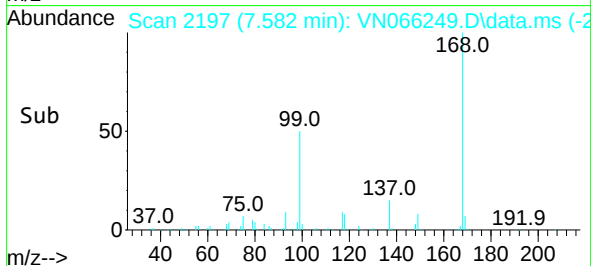


#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.110 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

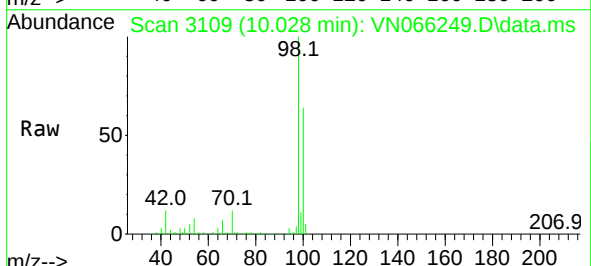
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MSVOA_N
ClientSampled :



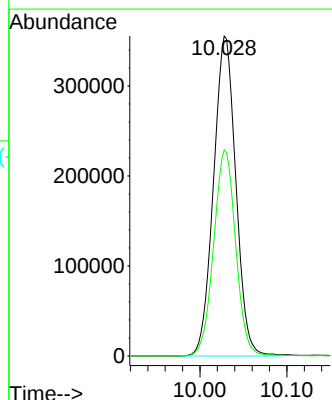
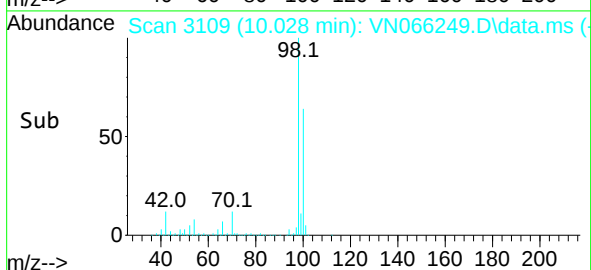
Tgt Ion:117 Resp: 26667
Ion Ratio Lower Upper
117 100
119 5.2 74.6 111.8#
121 0.0 23.9 35.9#

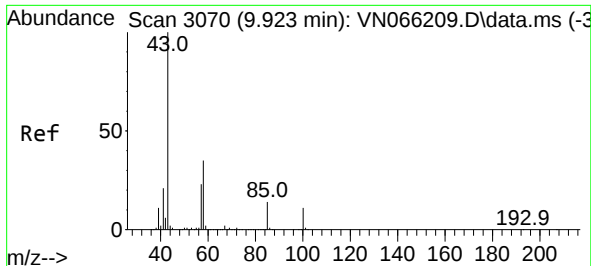


#50
Toluene-d8
Concen: 52.74 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51



Tgt Ion: 98 Resp: 633758
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6

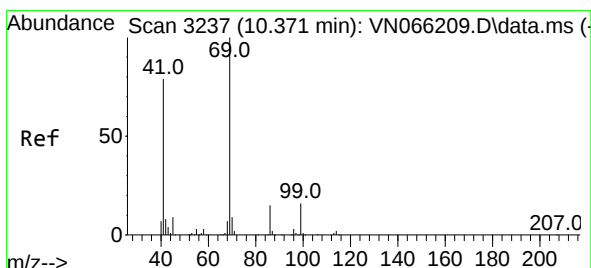
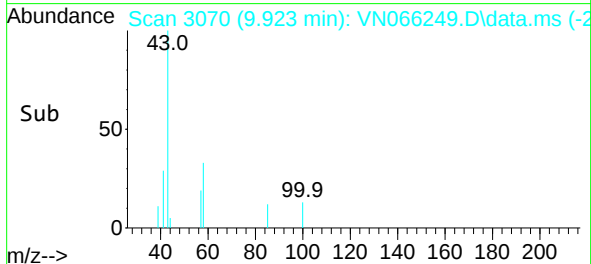
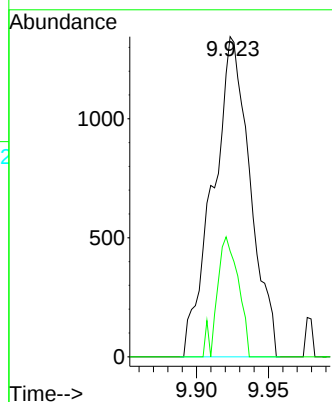
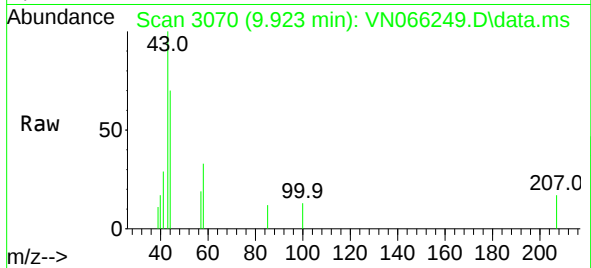




#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

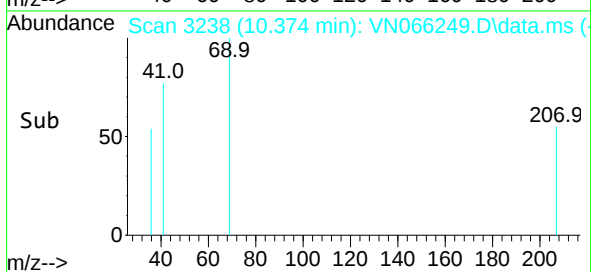
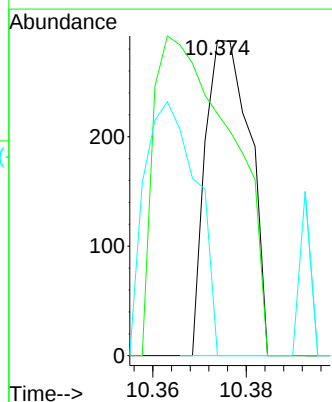
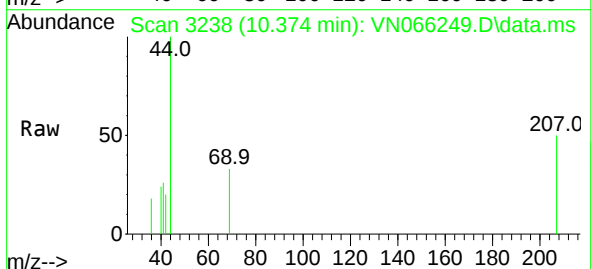
Instrument :
MSVOA_N
ClientSampled :

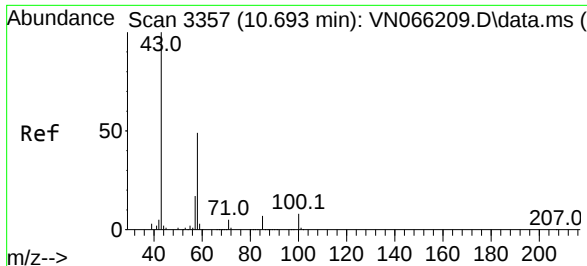
Tgt Ion: 43 Resp: 2418
Ion Ratio Lower Upper
43 100
58 21.3 27.5 41.3#



#56
Ethyl methacrylate
Concen: 2.19 ug/l
RT: 10.374 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 69 Resp: 190
Ion Ratio Lower Upper
69 100
41 177.9 66.2 99.4#
39 95.3 31.5 47.3#

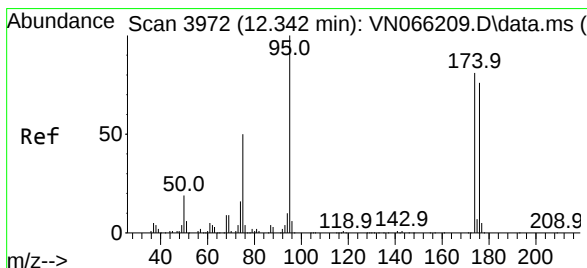
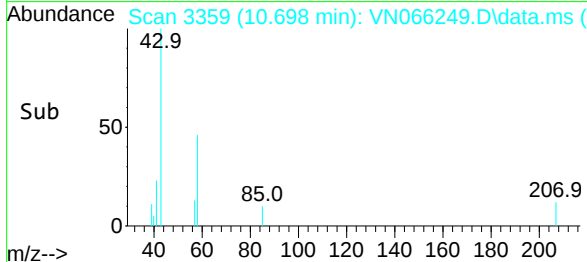
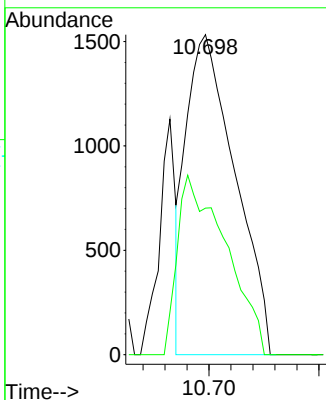
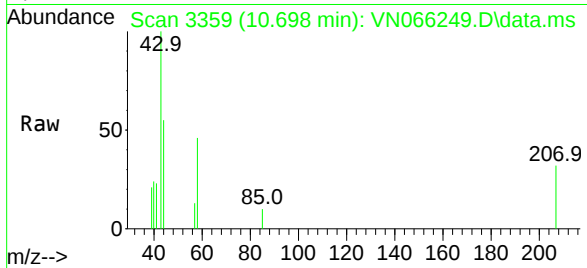




#59
2-Hexanone
Concen: 1.79 ug/l
RT: 10.698 min Scan# 3359
Delta R.T. 0.005 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

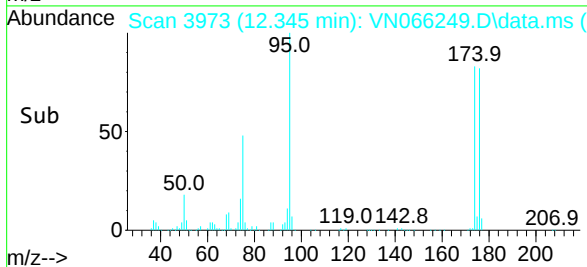
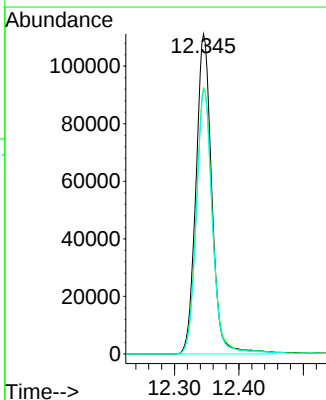
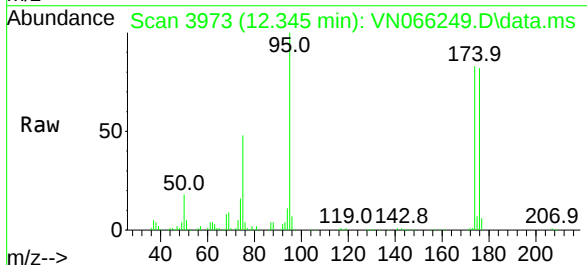
Instrument :
MSVOA_N
ClientSampled :

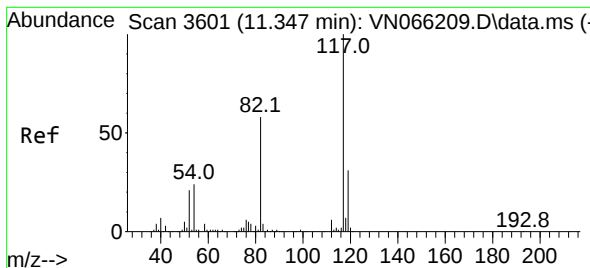
Tgt Ion: 43 Resp: 2373
Ion Ratio Lower Upper
43 100
58 55.4 23.8 71.5



#62
4-Bromofluorobenzene
Concen: 43.98 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 95 Resp: 190472
Ion Ratio Lower Upper
95 100
174 84.5 0.0 162.4
176 82.0 0.0 156.2

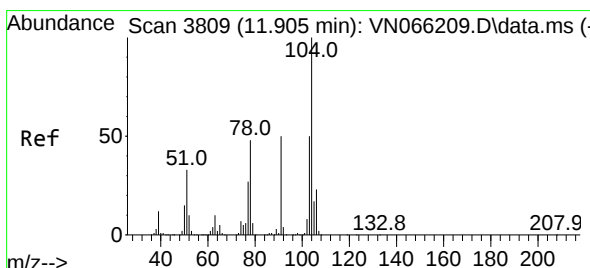
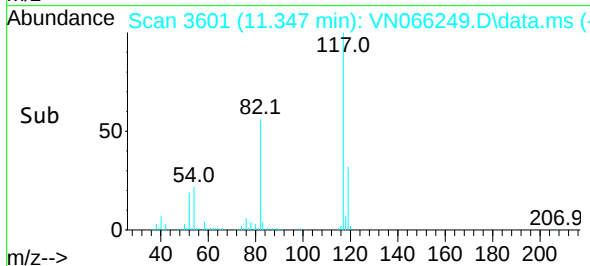
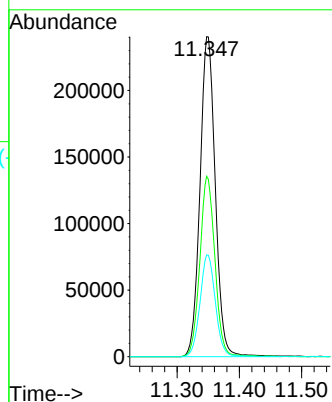
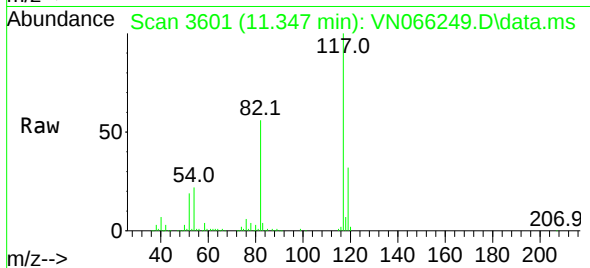




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

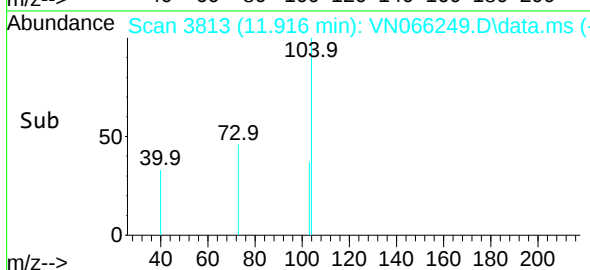
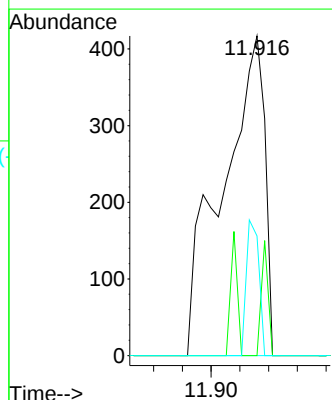
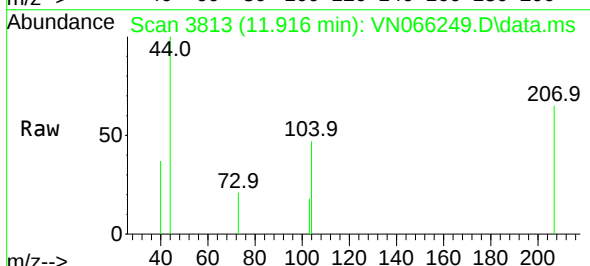
Instrument :
MSVOA_N
ClientSampleId :

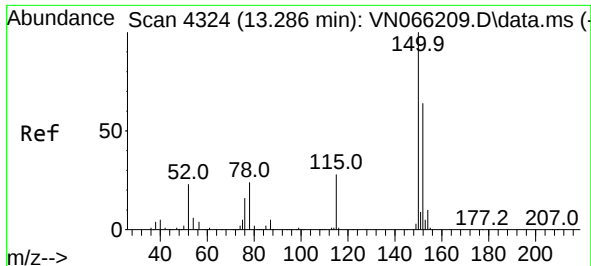
Tgt Ion:117 Resp: 410414
Ion Ratio Lower Upper
117 100
82 56.4 49.0 73.6
119 31.8 25.7 38.5



#70
Styrene
Concen: 2.19 ug/l
RT: 11.916 min Scan# 3813
Delta R.T. 0.011 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion:104 Resp: 425
Ion Ratio Lower Upper
104 100
78 5.6 43.8 65.6#
103 12.7 43.7 65.5#

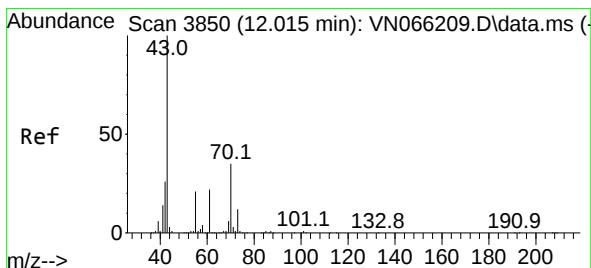
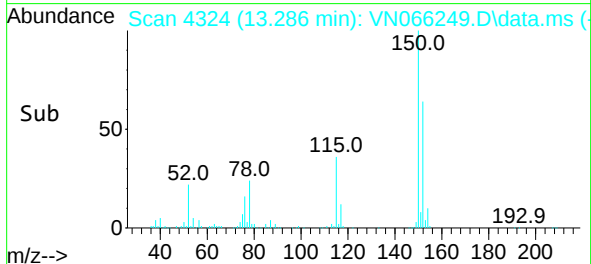
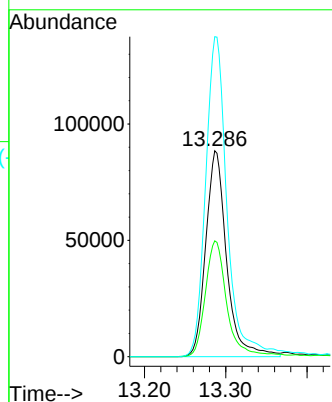
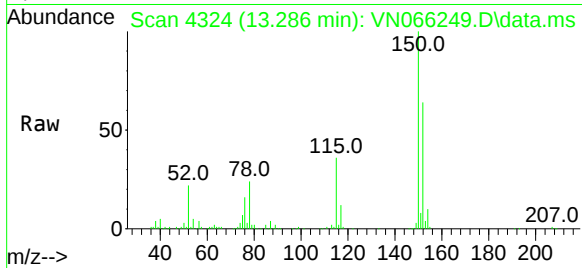




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

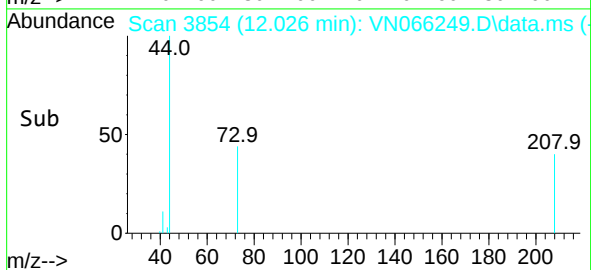
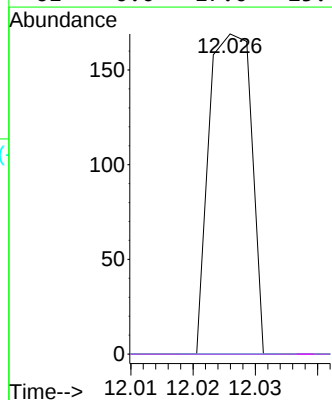
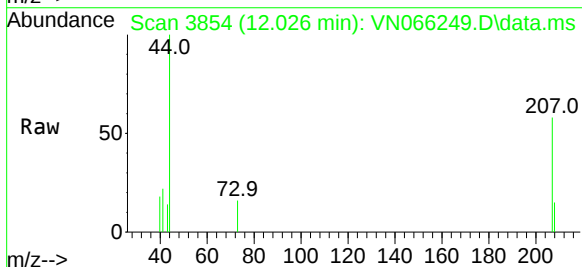
Instrument :
MSVOA_N
ClientSampleId :

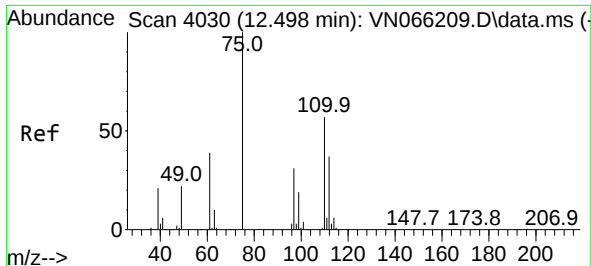
Tgt Ion:152 Resp: 158179
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.3
150 157.3 0.0 352.2



#74
N-ethyl acetate
Concen: 2.17 ug/l
RT: 12.026 min Scan# 3854
Delta R.T. 0.011 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 0.0 17.2 25.8#
61 0.0 17.0 25.4#

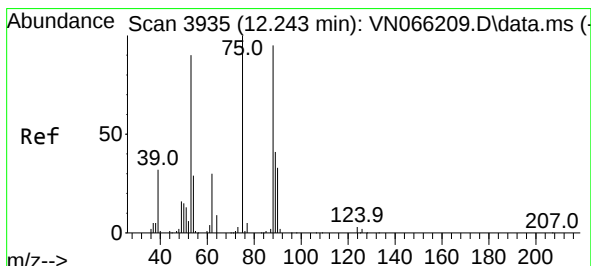
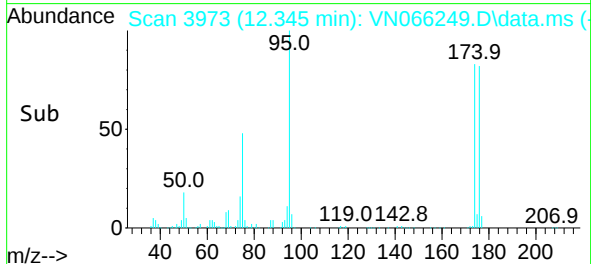
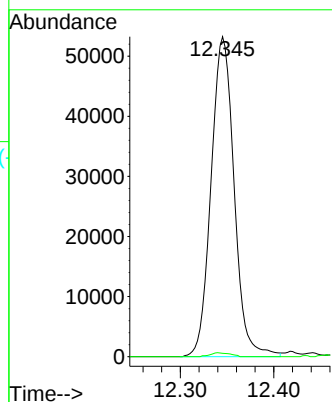
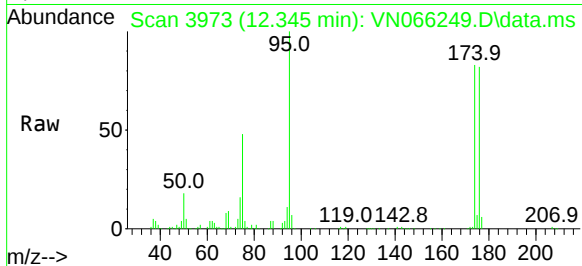




#76
1,2,3-Trichloropropane
Concen: 22.32 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

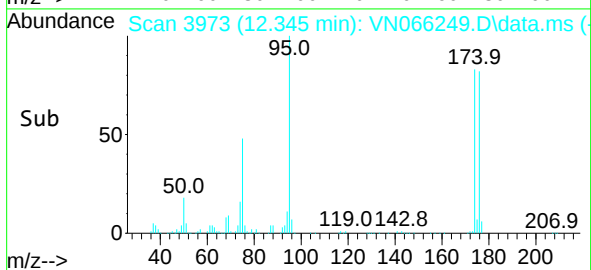
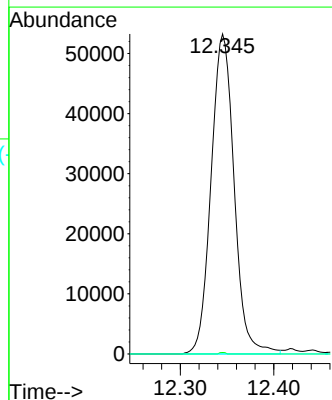
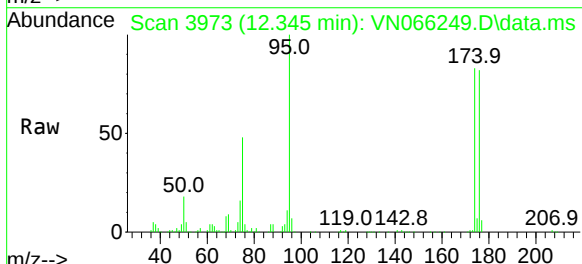
Instrument :
MSVOA_N
ClientSampled :

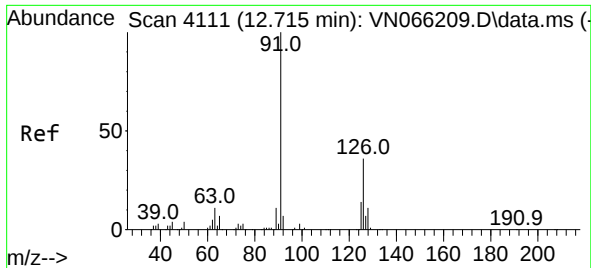
Tgt Ion: 75 Resp: 91165
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.79 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 75 Resp: 91165
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#

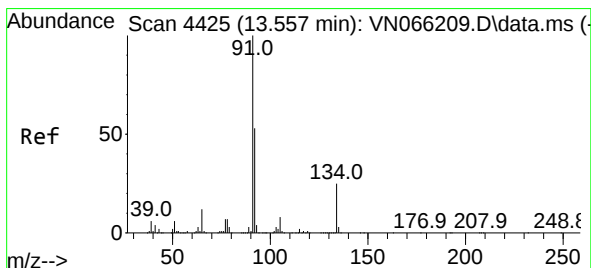
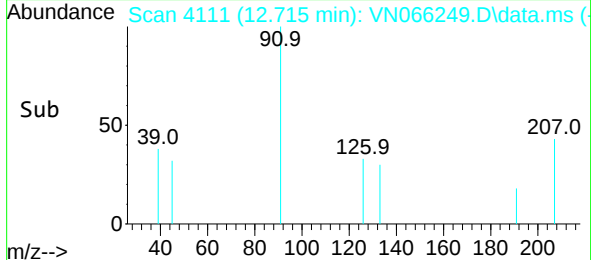
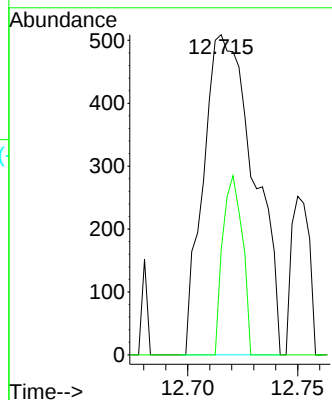
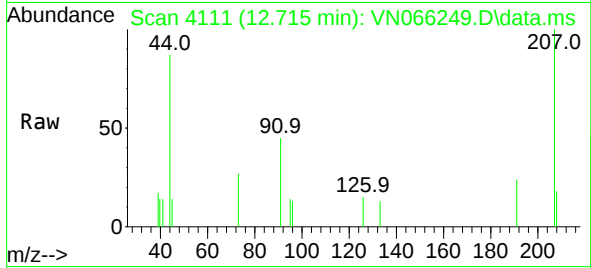




#82
4-Chlorotoluene
Concen: 0.56 ug/l
RT: 12.715 min Scan# 4111
Delta R.T. 0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

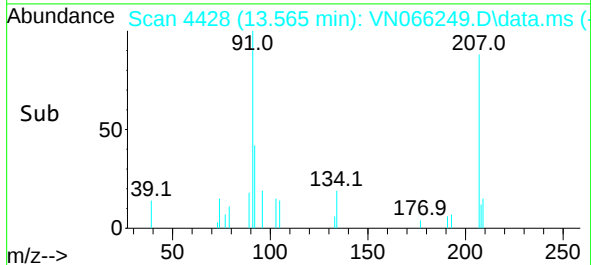
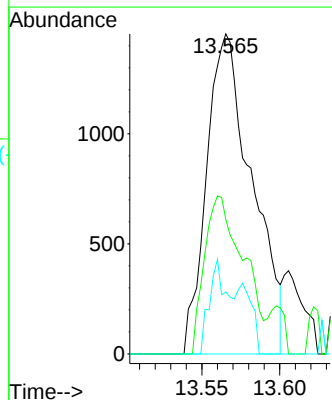
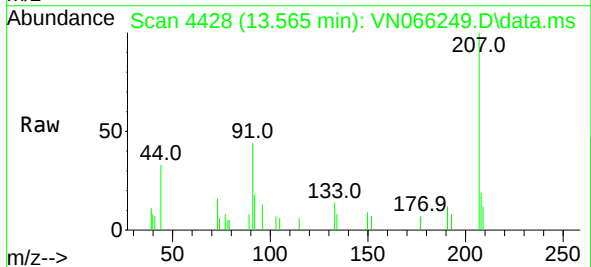
Instrument :
MSVOA_N
ClientSampled :

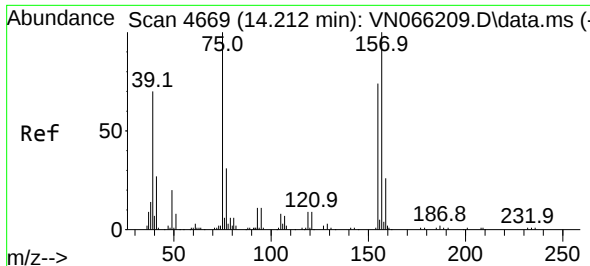
Tgt Ion: 91 Resp: 814
Ion Ratio Lower Upper
91 100
126 21.6 15.7 47.1



#89
n-Butylbenzene
Concen: 2.55 ug/l
RT: 13.565 min Scan# 4428
Delta R.T. 0.008 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion: 91 Resp: 2943
Ion Ratio Lower Upper
91 100
92 42.3 25.7 77.0
134 12.3 11.8 35.4

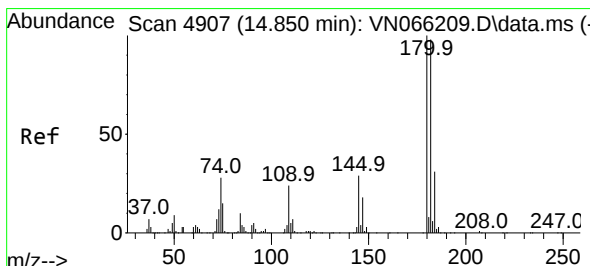
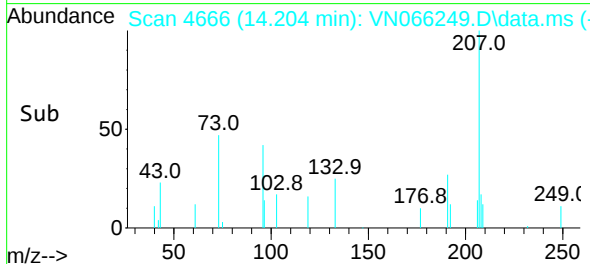
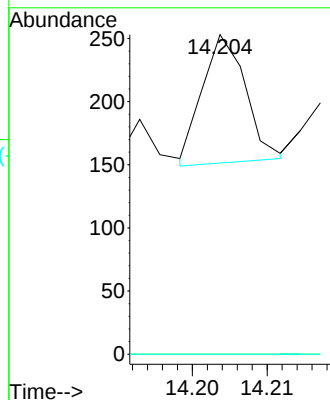
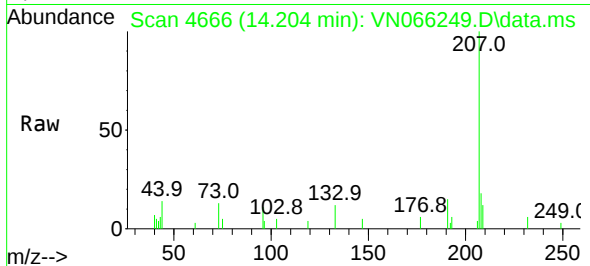




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.88 ug/l
 RT: 14.204 min Scan# 4666
 Delta R.T. -0.008 min
 Lab File: VN066249.D
 Acq: 18 Mar 2021 12:51

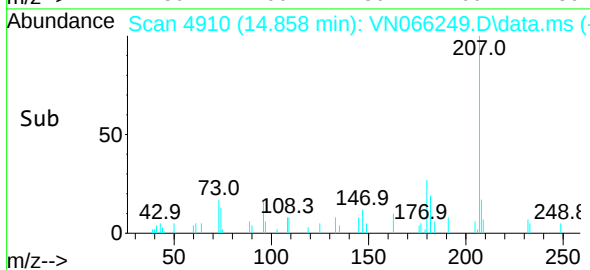
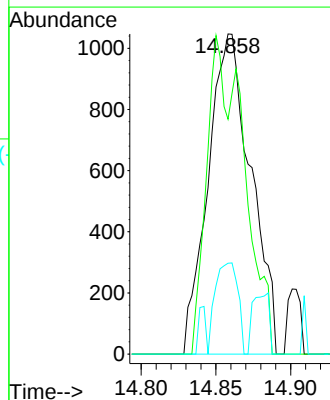
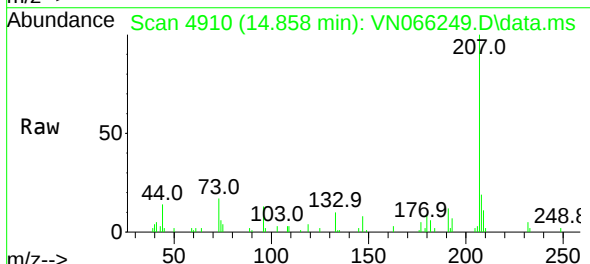
Instrument :
 MSVOA_N
 ClientSampled :

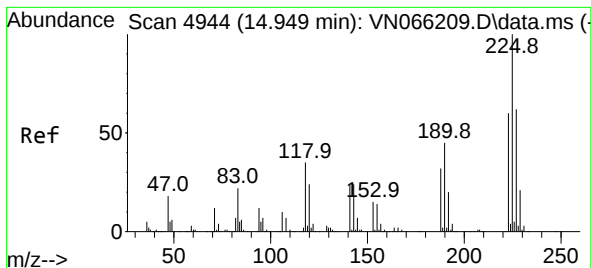
Tgt Ion: 75 Resp: 41
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 126.8 46.3 138.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.66 ug/l
 RT: 14.858 min Scan# 4910
 Delta R.T. 0.008 min
 Lab File: VN066249.D
 Acq: 18 Mar 2021 12:51

Tgt Ion:180 Resp: 2084
 Ion Ratio Lower Upper
 180 100
 182 46.9 47.4 142.2#
 145 15.1 14.1 42.3

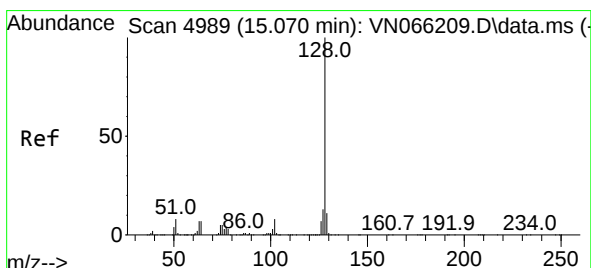
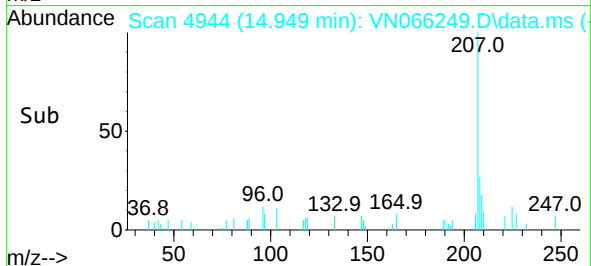
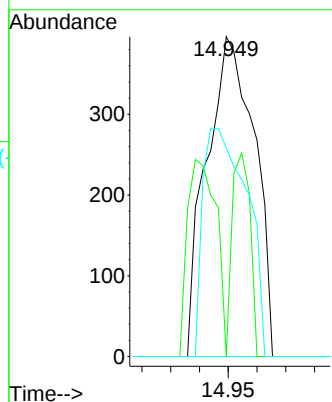
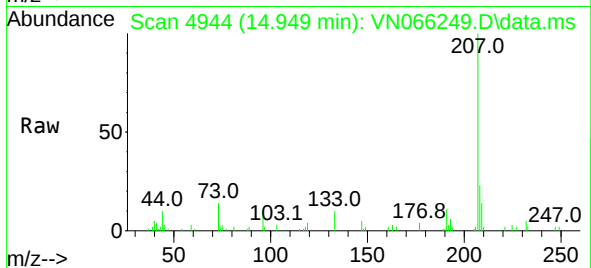




#94
Hexachlorobutadiene
Concen: 0.30 ug/l
RT: 14.949 min Scan# 4944
Delta R.T. 0.000 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

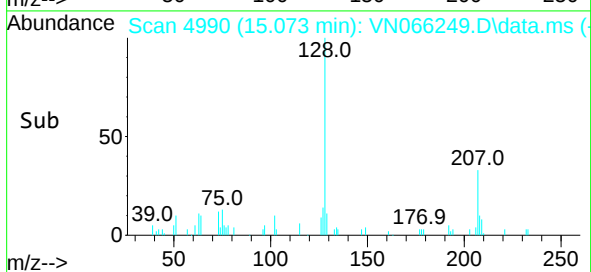
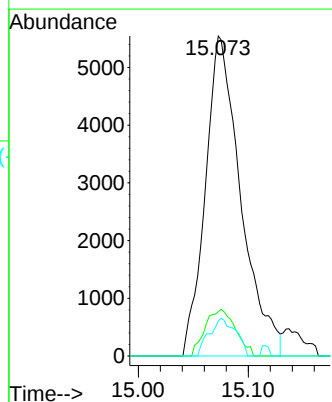
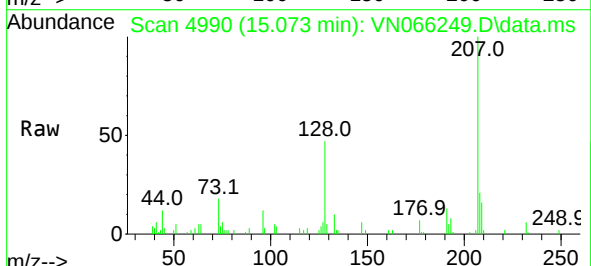
Instrument :
MSVOA_N
ClientSampled :

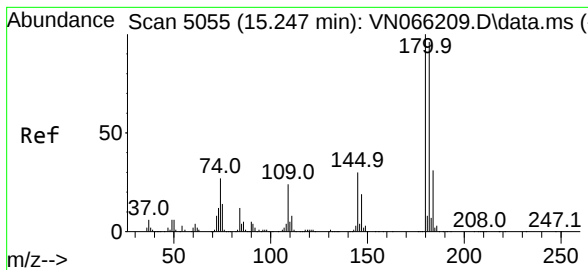
Tgt Ion:225 Resp: 457
Ion Ratio Lower Upper
225 100
223 24.1 31.3 93.8#
227 65.6 31.9 95.7



#95
Naphthalene
Concen: 1.34 ug/l
RT: 15.073 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN066249.D
Acq: 18 Mar 2021 12:51

Tgt Ion:128 Resp: 12398
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 8.8 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.89 ug/l
 RT: 15.252 min Scan# 5057
 Delta R.T. 0.005 min
 Lab File: VN066249.D
 Acq: 18 Mar 2021 12:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.7	47.9	143.8
145	9.6	15.6	46.8#

