

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031721\
 Data File : VN066228.D
 Acq On : 17 Mar 2021 11:11
 Operator : JC/MD
 Sample : VN0317WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

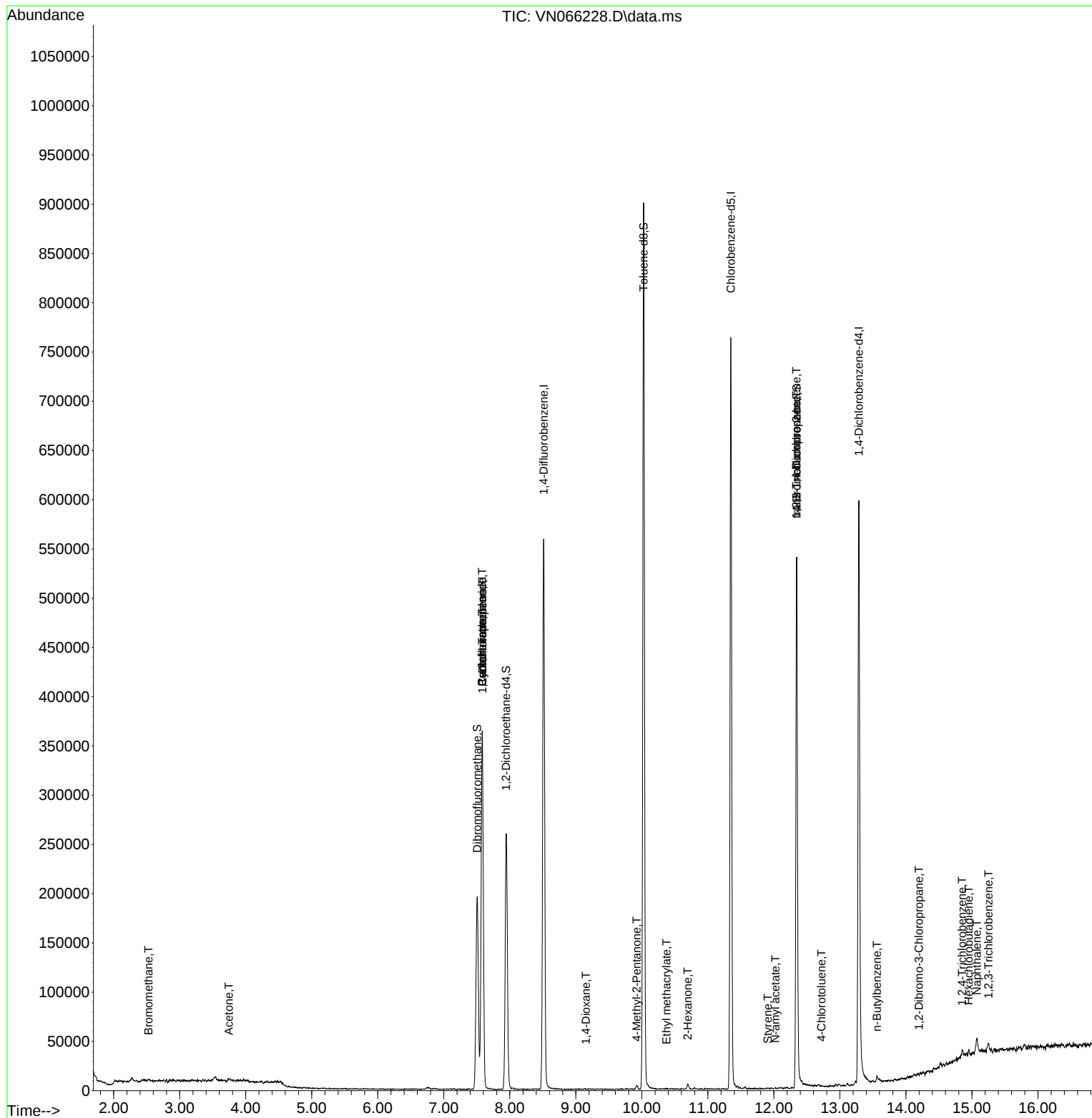
Quant Time: Mar 18 04:42:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

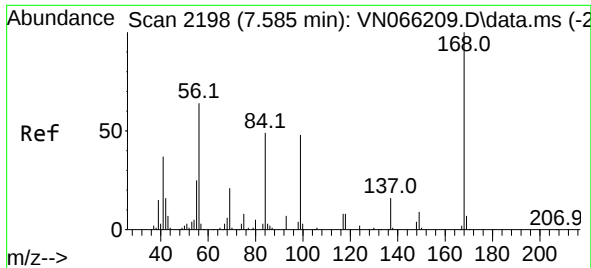
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.582	168	295091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.513	114	456245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	419365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	171627	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.944	65	222945	52.44	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.88%			
35) Dibromofluoromethane	7.507	113	151374	52.01	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.02%			
50) Toluene-d8	10.025	98	581907	51.71	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.42%			
62) 4-Bromofluorobenzene	12.345	95	186057	45.87	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.74%			
Target Compounds					Qvalue	
5) Bromomethane	2.526	94	523	0.22	ug/l #	37
13) Acrolein	3.540	56	4038	Below Cal		98
16) Acetone	3.741	43	3046	1.49	ug/l #	83
31) Cyclohexane	7.582	56	6408	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	22101	4.78	ug/l #	51
38) Carbon Tetrachloride	7.582	117	27104	6.54	ug/l #	17
49) 1,4-Dioxane	9.154	88	100	1.90	ug/l #	56
51) 4-Methyl-2-Pentanone	9.921	43	3211	0.52	ug/l #	74
56) Ethyl methacrylate	10.371	69	59	2.17	ug/l #	1
59) 2-Hexanone	10.696	43	4595	2.28	ug/l	85
70) Styrene	11.908	104	188	2.17	ug/l #	66
74) N-amyl acetate	12.021	43	434	2.22	ug/l #	58
76) 1,2,3-Trichloropropane	12.342	75	94521	21.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.342	75	94521	63.82	ug/l #	11
82) 4-Chlorotoluene	12.721	91	644	0.54	ug/l #	43
89) n-Butylbenzene	13.560	91	3665	2.59	ug/l #	76
92) 1,2-Dibromo-3-Chloropr...	14.196	75	233	1.08	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.850	180	2489	0.72	ug/l #	80
94) Hexachlorobutadiene	14.952	225	920	0.55	ug/l	77
95) Naphthalene	15.073	128	14141	1.41	ug/l	98
96) 1,2,3-Trichlorobenzene	15.250	180	2826	0.82	ug/l	74

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

Quant Time: Mar 18 04:42:03 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

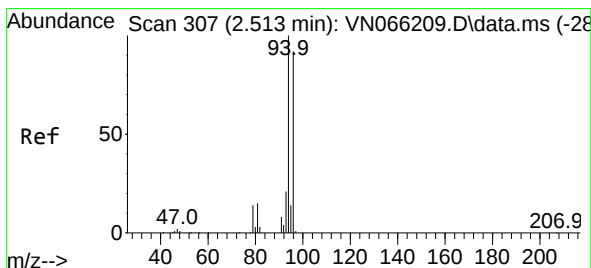
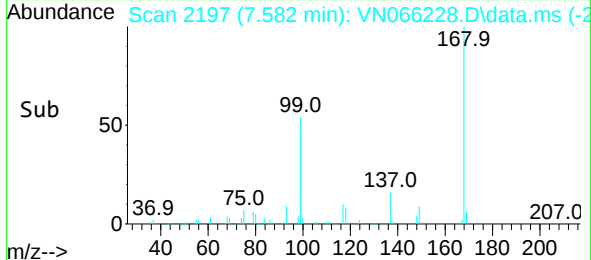
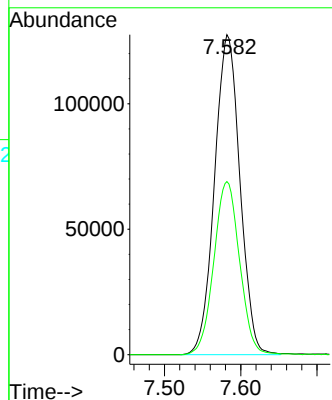
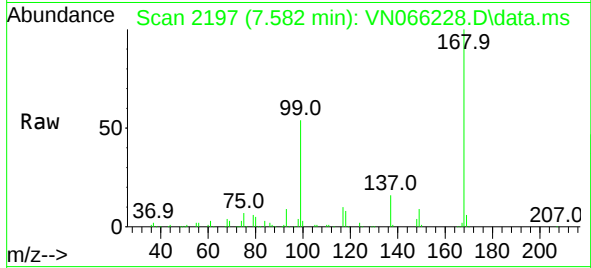




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

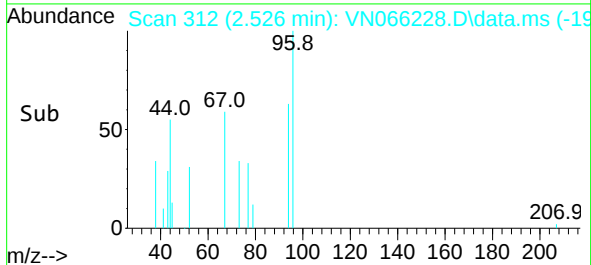
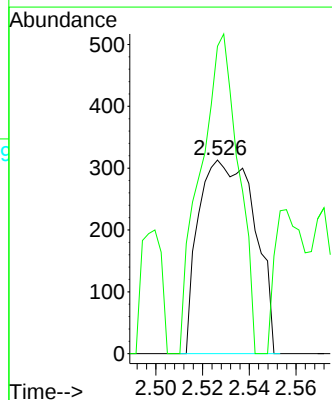
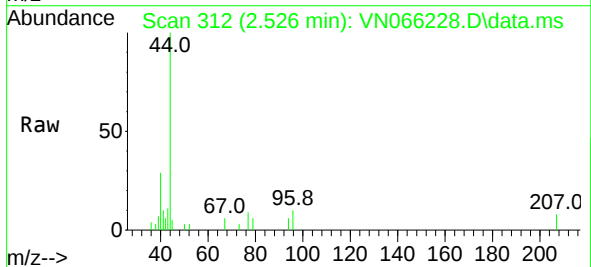
Instrument :
MSVOA_N
ClientSampled :

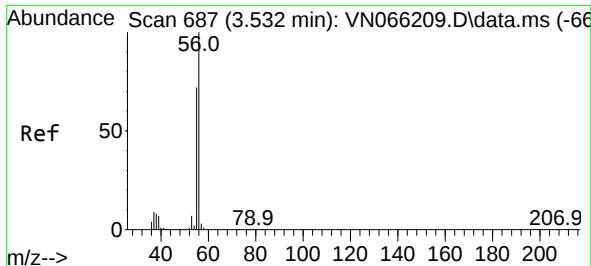
Tgt Ion:168 Resp: 295091
Ion Ratio Lower Upper
168 100
99 54.1 45.4 68.0



#5
Bromomethane
Concen: 0.22 ug/l
RT: 2.526 min Scan# 312
Delta R.T. 0.013 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 158.8 77.3 115.9#

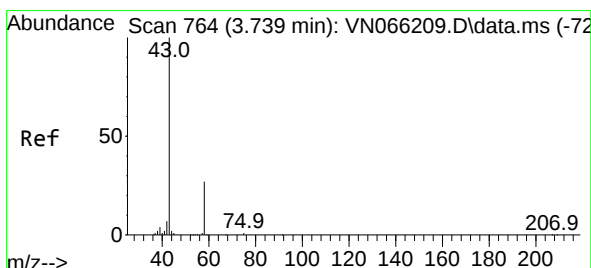
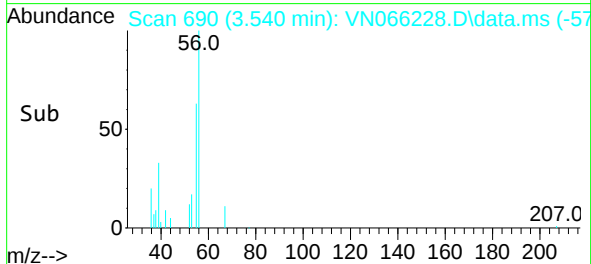
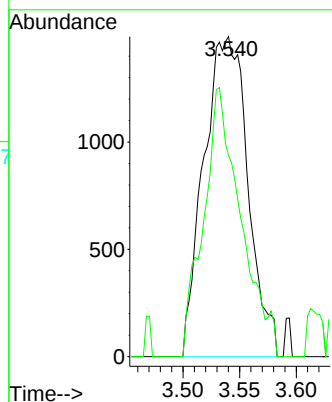
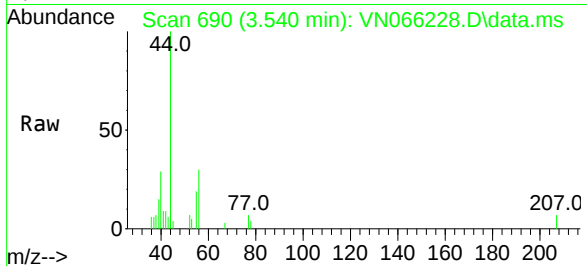




#13
Acrolein
Concen: Below Cal
RT: 3.540 min Scan# 690
Delta R.T. 0.008 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

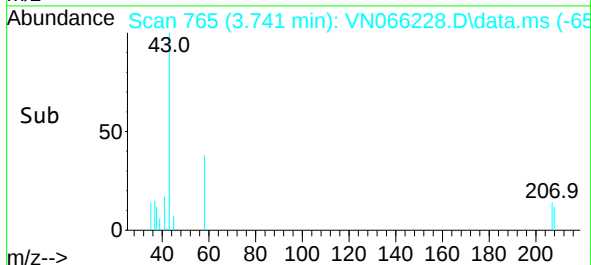
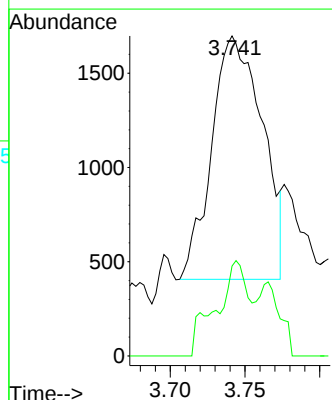
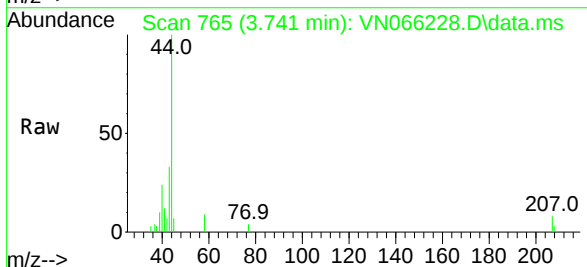
Instrument :
MSVOA_N
ClientSampled :

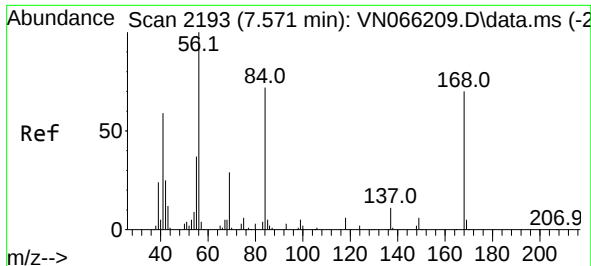
Tgt Ion: 56 Resp: 4038
Ion Ratio Lower Upper
56 100
55 71.1 58.0 87.0



#16
Acetone
Concen: 1.49 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

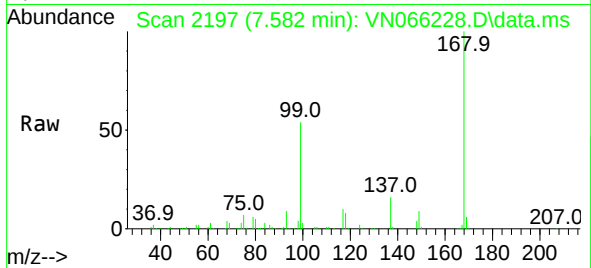
Tgt Ion: 43 Resp: 3046
Ion Ratio Lower Upper
43 100
58 36.9 22.3 33.5#



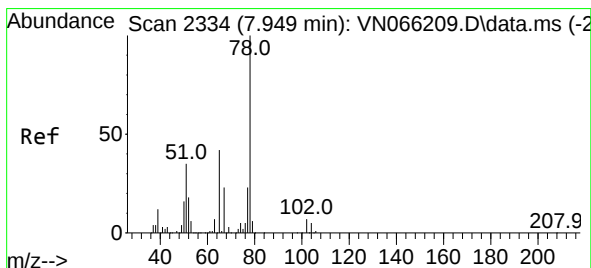
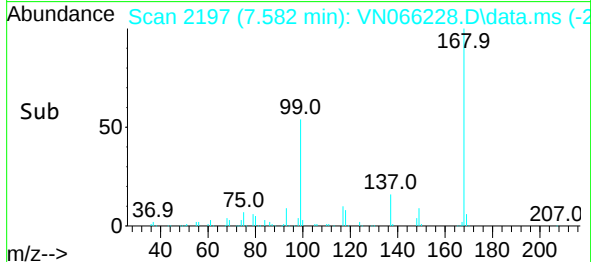
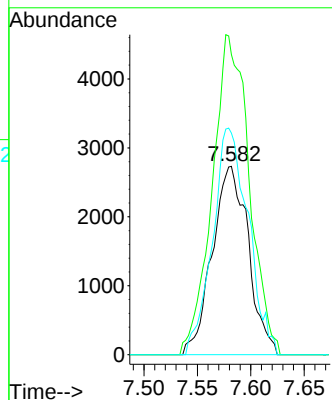


#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.011 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Instrument :
MSVOA_N
ClientSampleId :

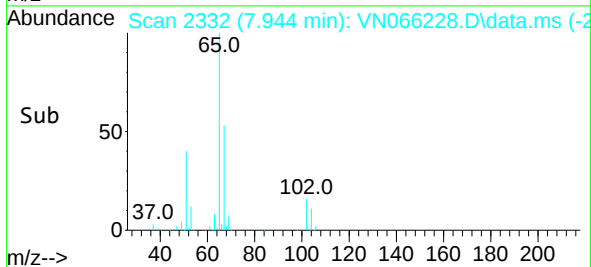
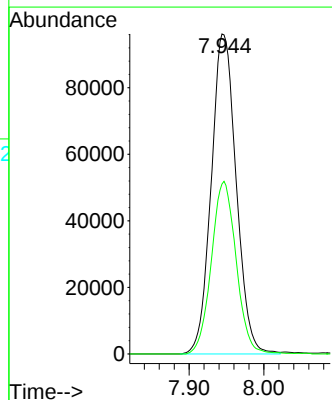
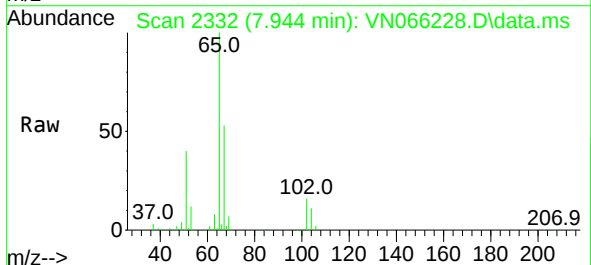


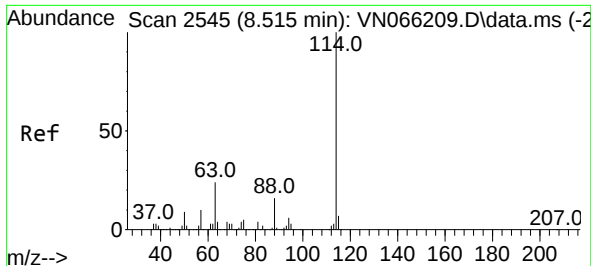
Tgt Ion	Ratio	Lower	Upper
56	100		
69	159.4	23.4	35.0#
84	117.6	57.8	86.6#



#33
1,2-Dichloroethane-d4
Concen: 52.44 ug/l
RT: 7.944 min Scan# 2332
Delta R.T. -0.005 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

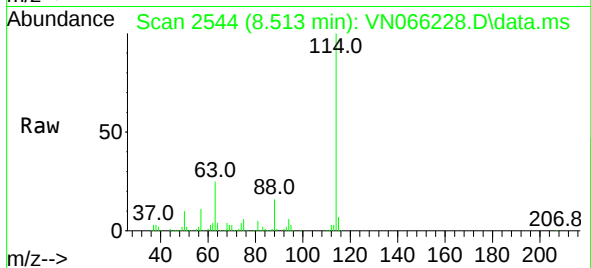
Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.2



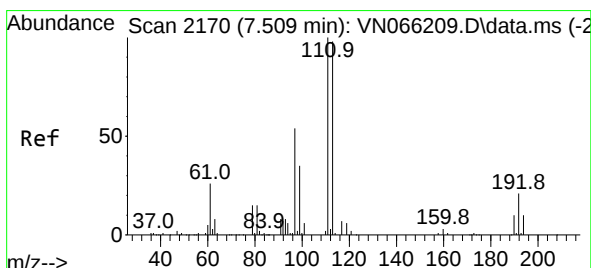
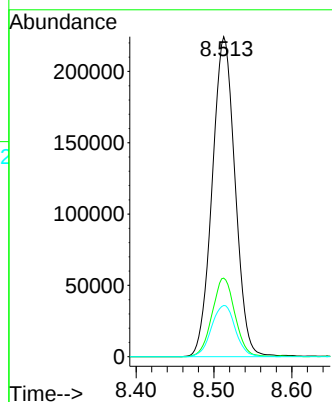
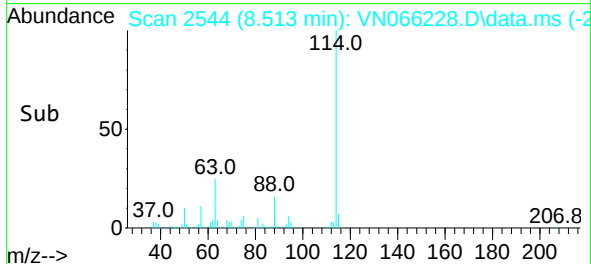


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.513 min Scan# 2544
Delta R.T. -0.002 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

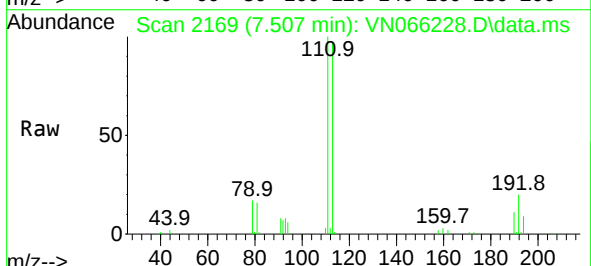
Instrument :
MSVOA_N
ClientSampleId :



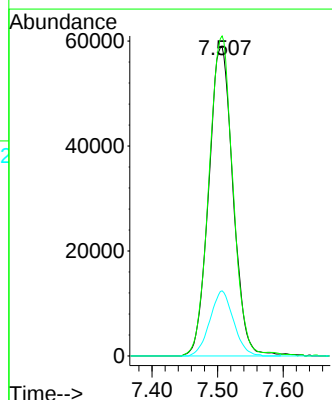
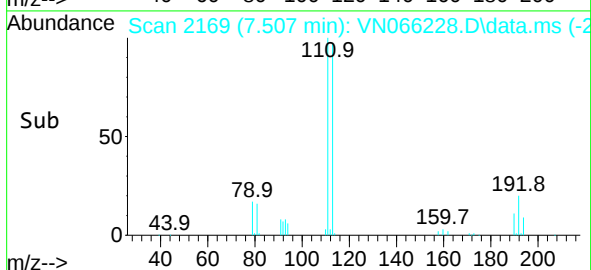
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.0	0.0	33.8

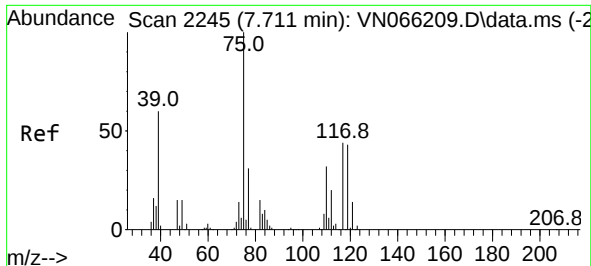


#35
Dibromofluoromethane
Concen: 52.01 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11



Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	84.0	126.0
192	20.6	16.7	25.1

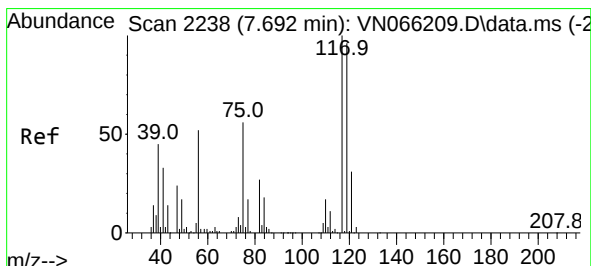
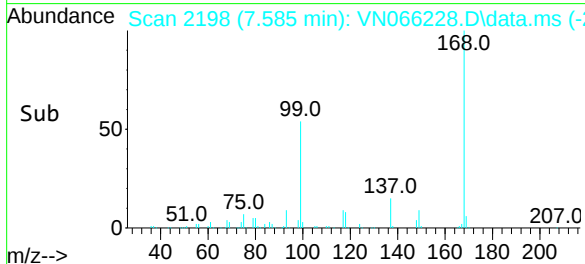
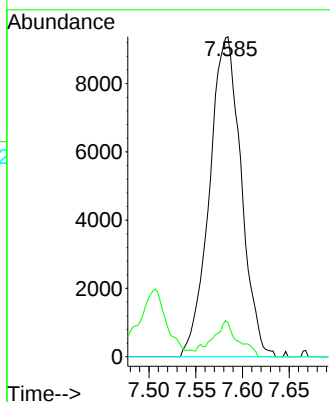
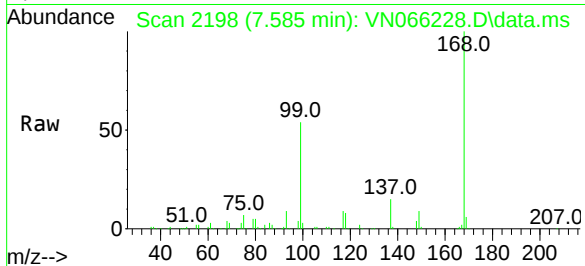




#36
1,1-Dichloropropene
Concen: 4.78 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

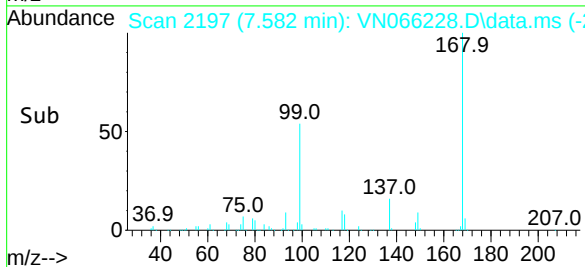
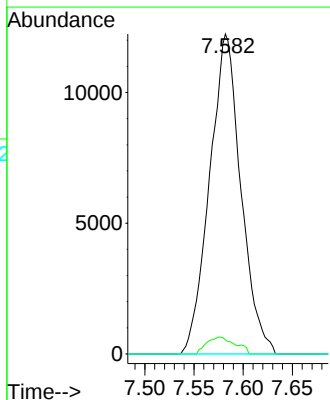
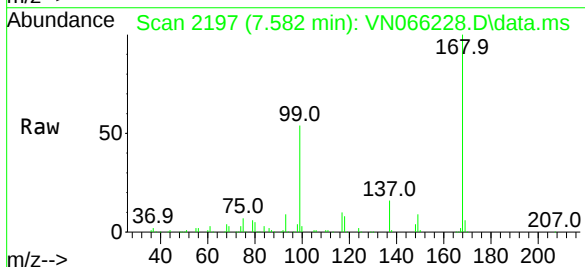
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MSVOA_N
ClientSampled :

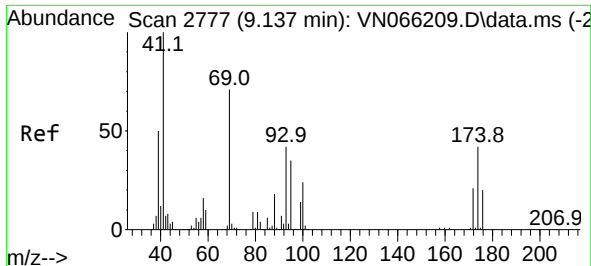
Tgt Ion: 75 Resp: 22101
Ion Ratio Lower Upper
75 100
110 8.3 16.0 48.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.110 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

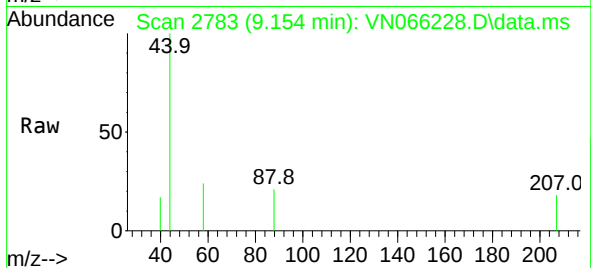
Tgt Ion: 117 Resp: 27104
Ion Ratio Lower Upper
117 100
119 4.4 74.6 111.8#
121 0.0 23.9 35.9#



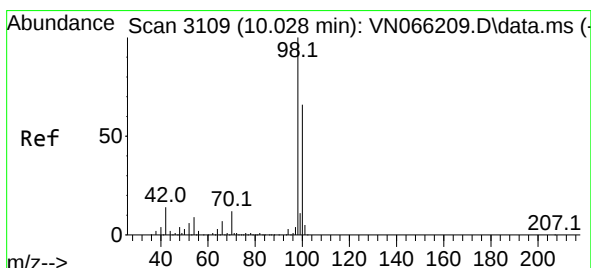
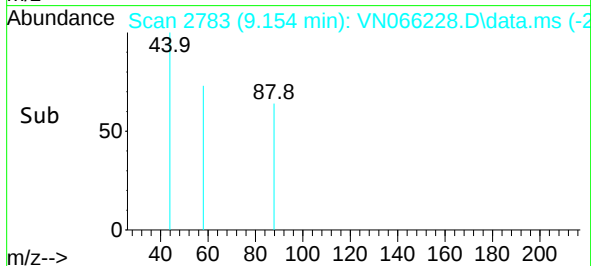
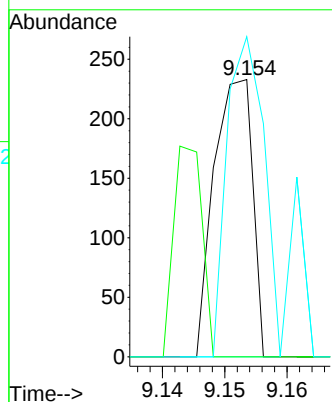


#49
1,4-Dioxane
Concen: 1.90 ug/l
RT: 9.154 min Scan# 2783
Delta R.T. 0.017 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Instrument :
MSVOA_N
ClientSampled :

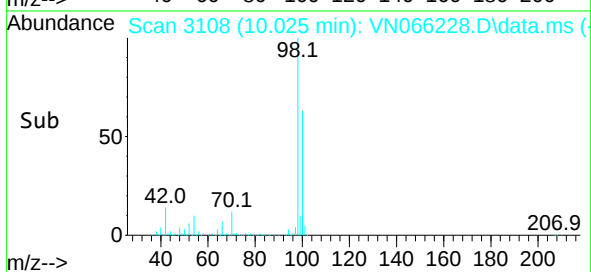
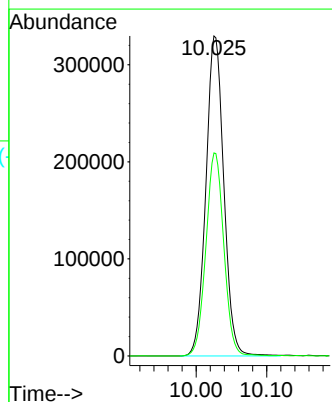
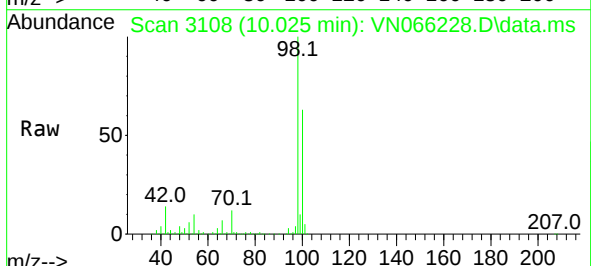


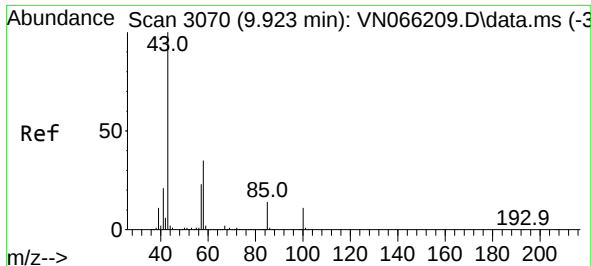
Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 56.0 34.4 51.6#
58 135.0 67.3 100.9#



#50
Toluene-d8
Concen: 51.71 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion: 98 Resp: 581907
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6

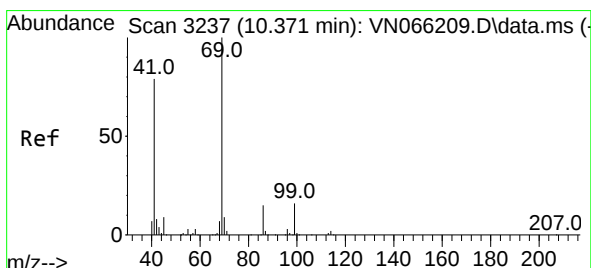
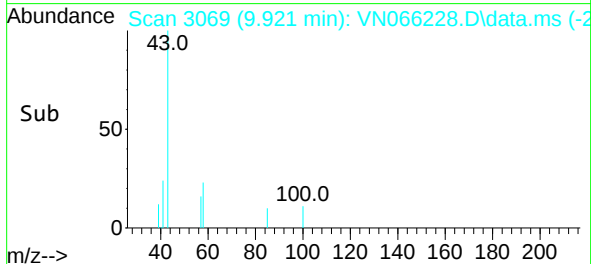
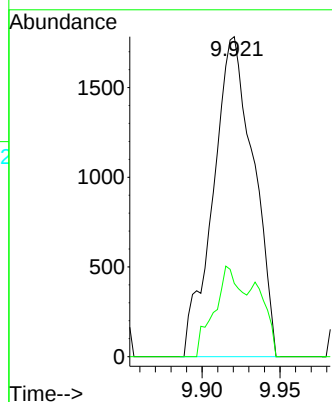
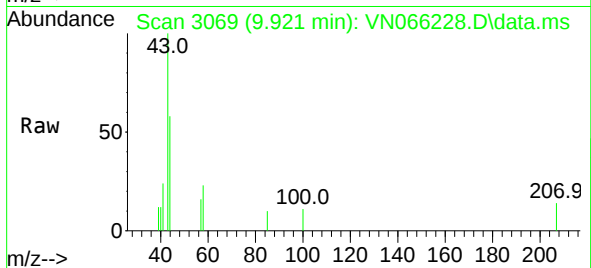




#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 9.921 min Scan# 3069
Delta R.T. -0.002 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

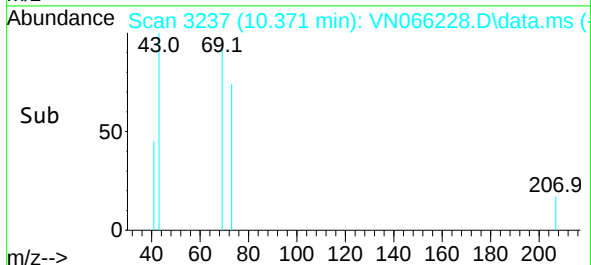
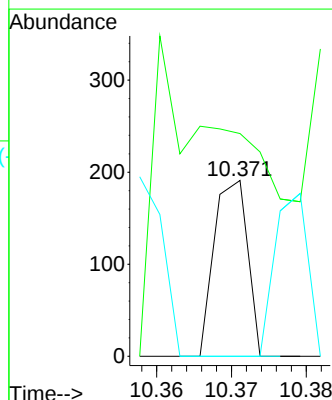
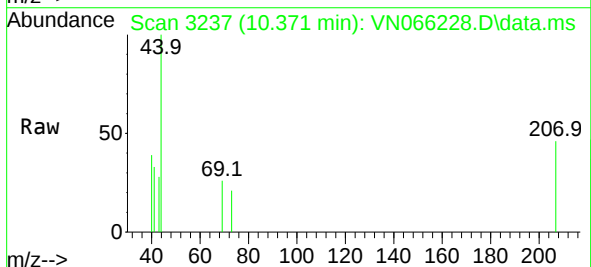
Instrument :
MSVOA_N
ClientSampleId :

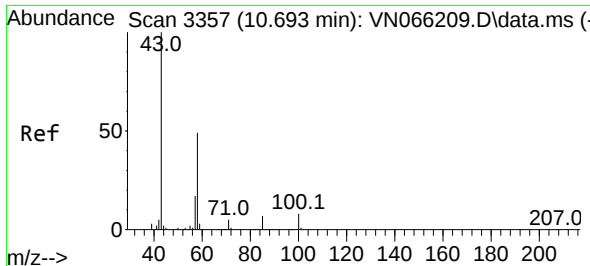
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
58 19.6 27.5 41.3#



#56
Ethyl methacrylate
Concen: 2.17 ug/l
RT: 10.371 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 289.8 66.2 99.4#
39 286.4 31.5 47.3#

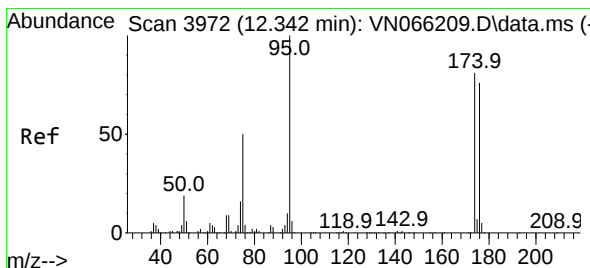
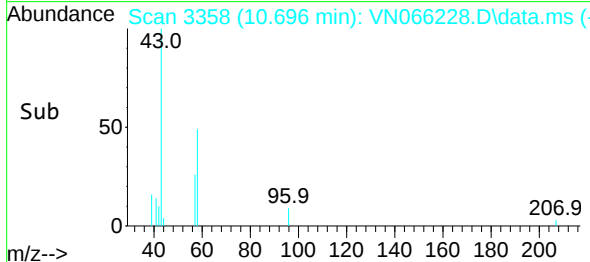
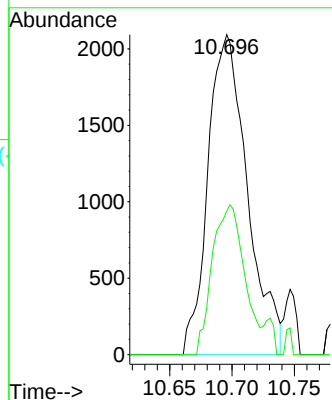
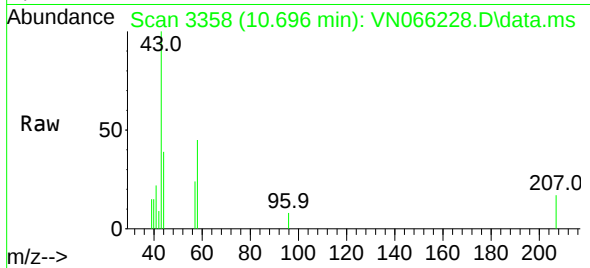




#59
2-Hexanone
Concen: 2.28 ug/l
RT: 10.696 min Scan# 3358
Delta R.T. 0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

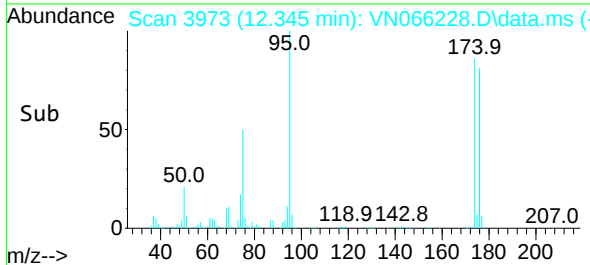
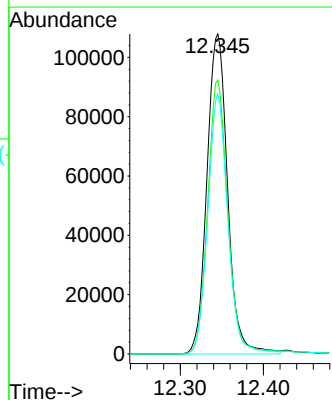
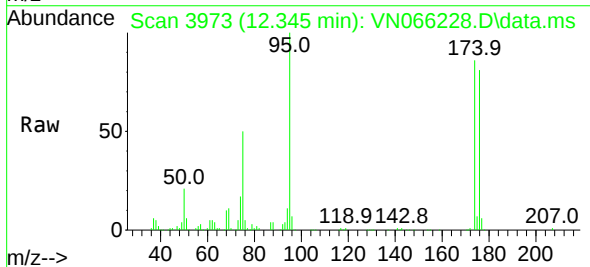
Instrument :
MSVOA_N
ClientSampleId :

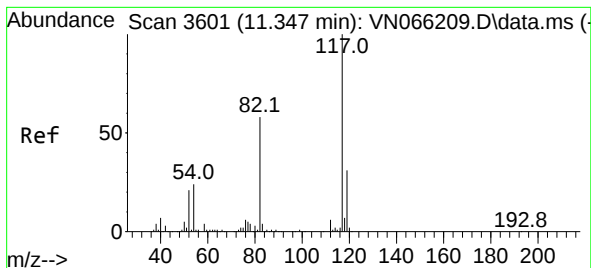
Tgt Ion: 43 Resp: 4595
Ion Ratio Lower Upper
43 100
58 37.9 23.8 71.5



#62
4-Bromofluorobenzene
Concen: 45.87 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion: 95 Resp: 186057
Ion Ratio Lower Upper
95 100
174 83.6 0.0 162.4
176 78.6 0.0 156.2

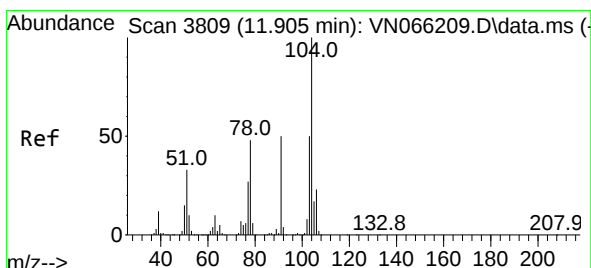
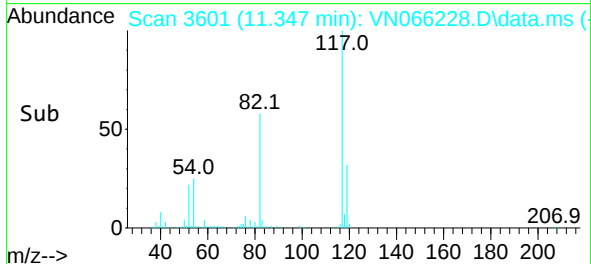
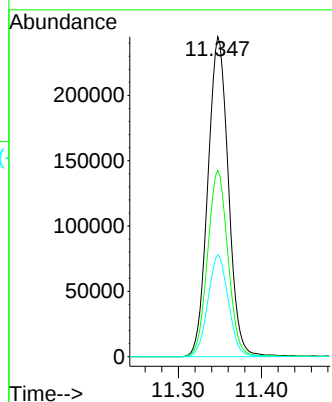
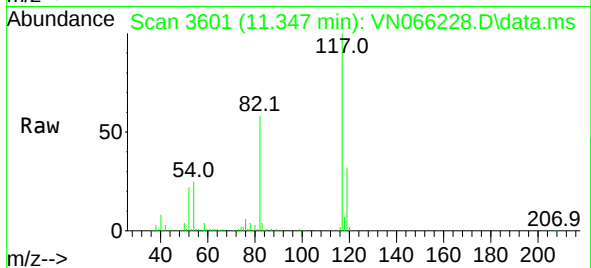




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

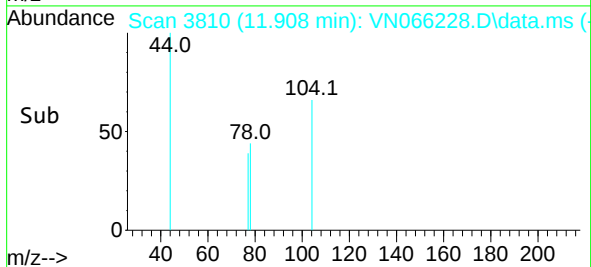
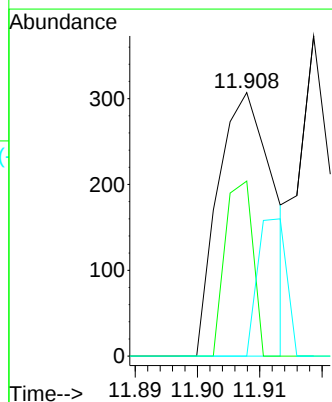
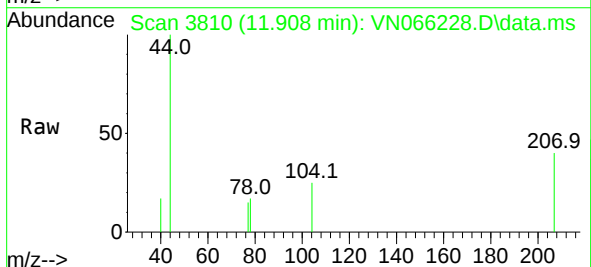
Instrument :
MSVOA_N
ClientSampleId :

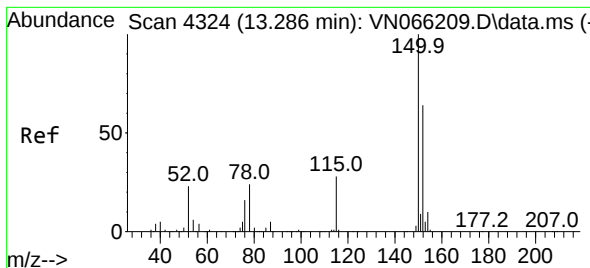
Tgt Ion:117 Resp: 419365
Ion Ratio Lower Upper
117 100
82 58.2 49.0 73.6
119 31.9 25.7 38.5



#70
Styrene
Concen: 2.17 ug/l
RT: 11.908 min Scan# 3810
Delta R.T. 0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion:104 Resp: 188
Ion Ratio Lower Upper
104 100
78 33.5 43.8 65.6#
103 27.1 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: VN066228.D

Acq: 17 Mar 2021 11:11

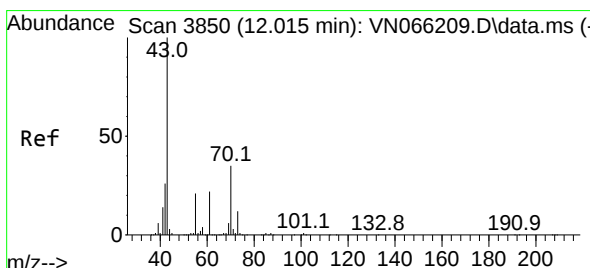
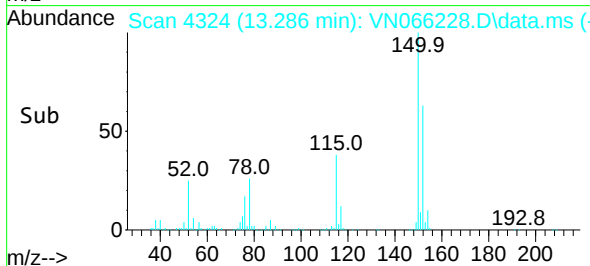
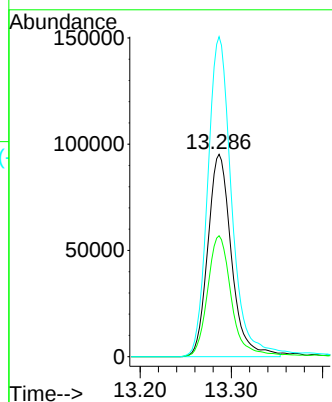
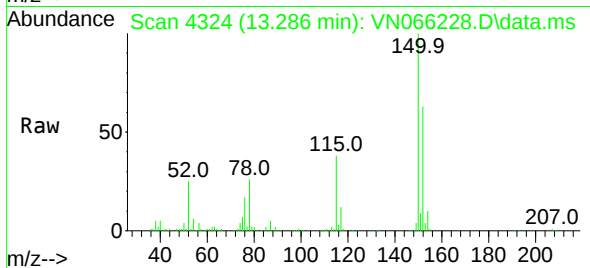
Tgt Ion:152 Resp: 171627

Ion Ratio Lower Upper

152 100

115 61.0 29.4 88.3

150 161.1 0.0 352.2



#74

N-ethyl acetate

Concen: 2.22 ug/l

RT: 12.021 min Scan# 3852

Delta R.T. 0.006 min

Lab File: VN066228.D

Acq: 17 Mar 2021 11:11

Tgt Ion: 43 Resp: 434

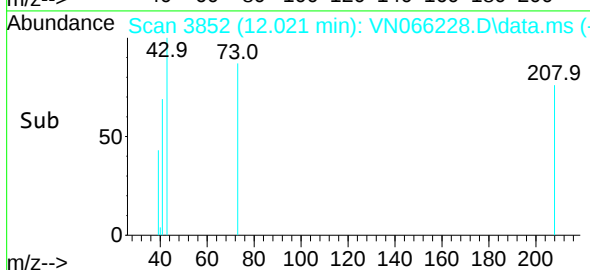
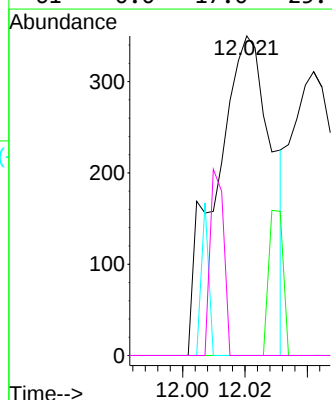
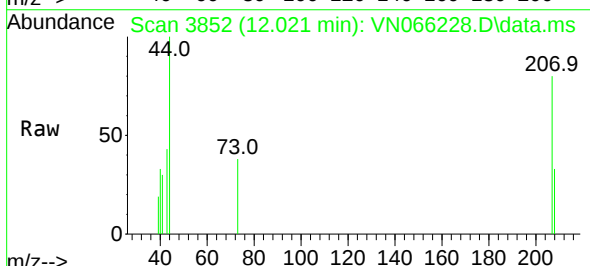
Ion Ratio Lower Upper

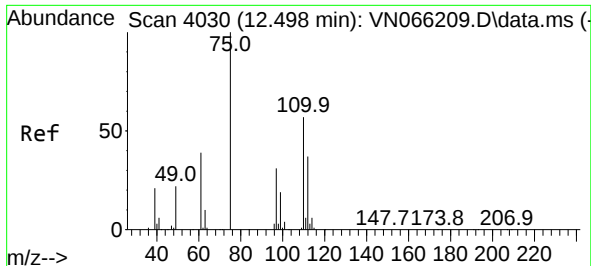
43 100

70 11.8 26.2 39.4#

55 0.0 17.2 25.8#

61 0.0 17.0 25.4#

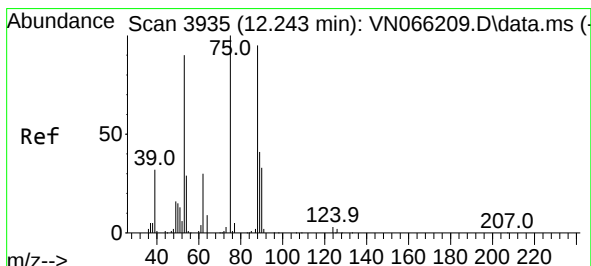
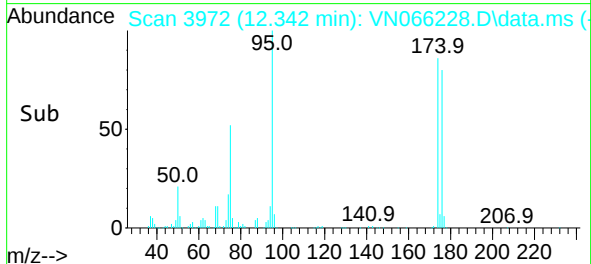
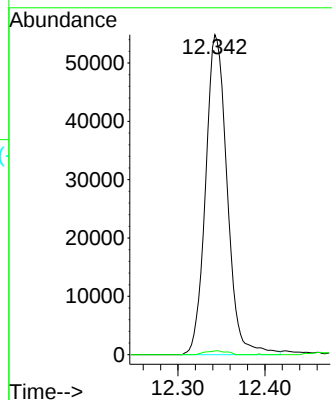
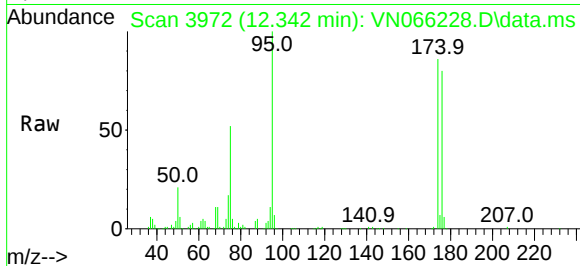




#76
1,2,3-Trichloropropane
Concen: 21.33 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. -0.156 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

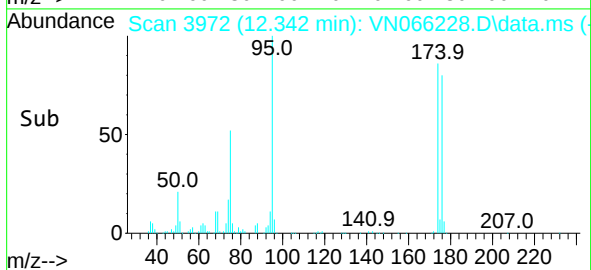
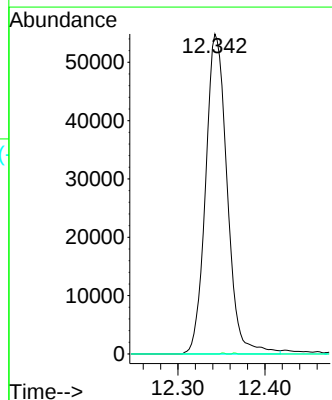
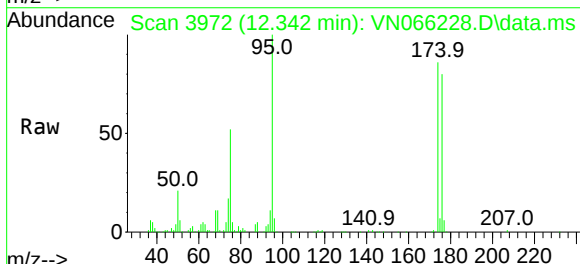
Instrument :
MSVOA_N
ClientSampled :

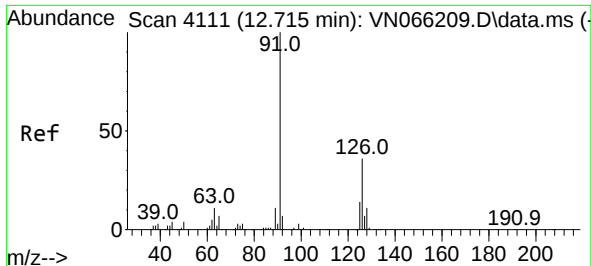
Tgt Ion: 75 Resp: 94521
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.82 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.099 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion: 75 Resp: 94521
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#

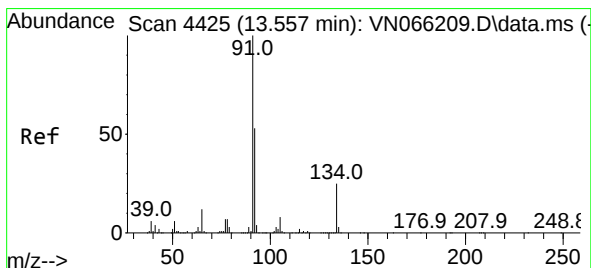
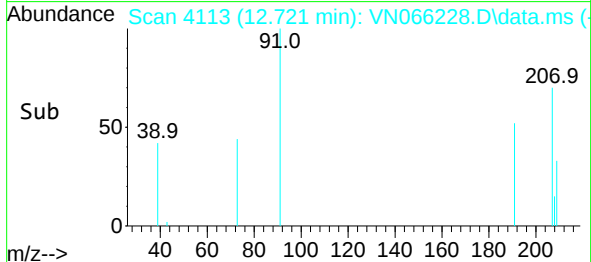
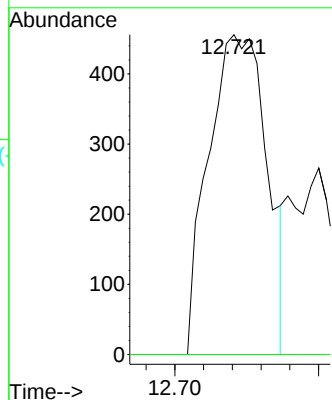
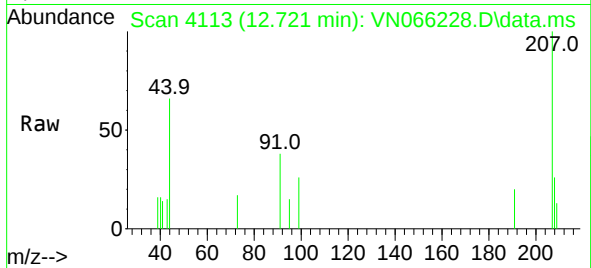




#82
4-Chlorotoluene
Concen: 0.54 ug/l
RT: 12.721 min Scan# 4113
Delta R.T. 0.006 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

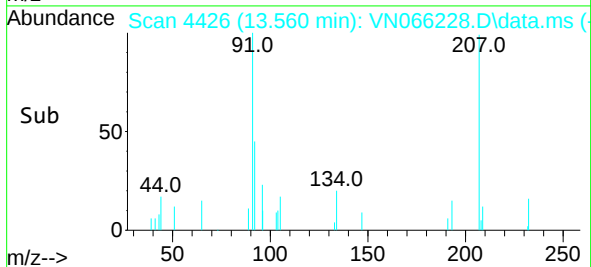
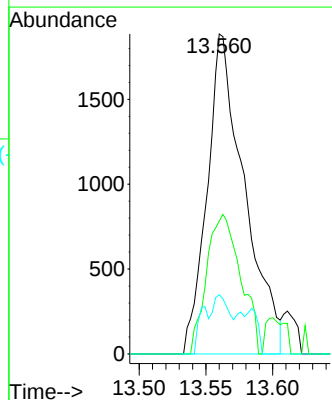
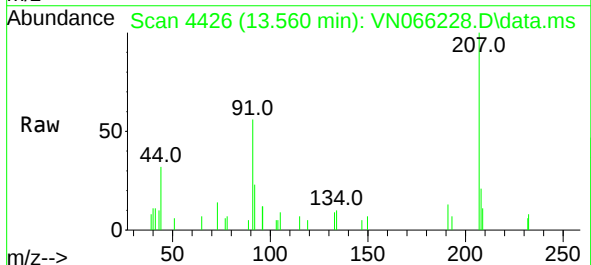
Instrument :
MSVOA_N
ClientSampled :

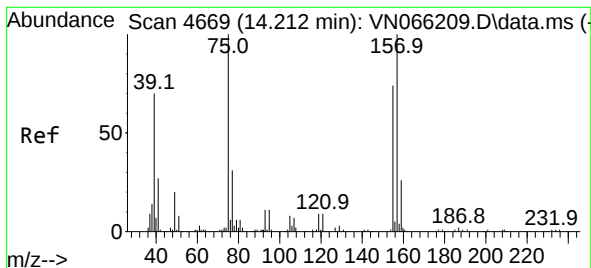
Tgt Ion: 91 Resp: 644
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.59 ug/l
RT: 13.560 min Scan# 4426
Delta R.T. 0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

Tgt Ion: 91 Resp: 3665
Ion Ratio Lower Upper
91 100
92 39.6 25.7 77.0
134 4.2 11.8 35.4#

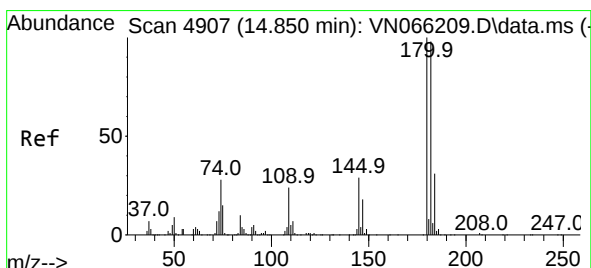
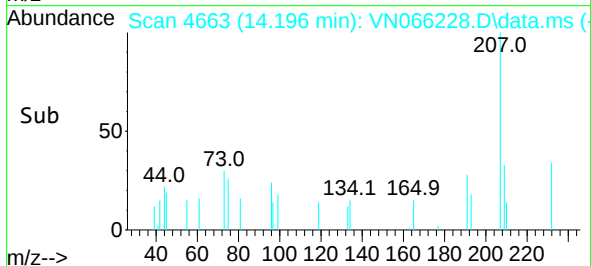
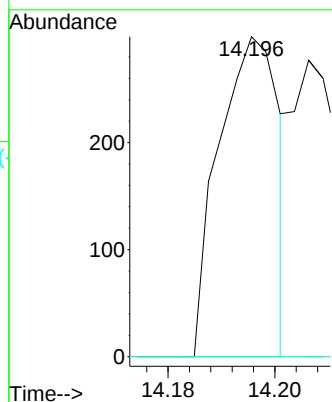
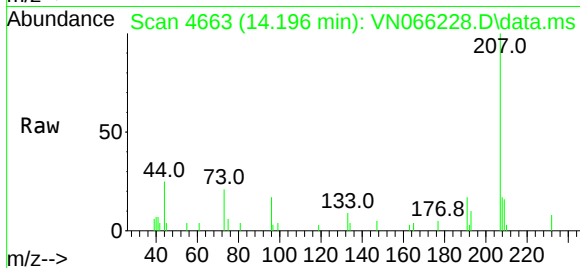




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.08 ug/l
 RT: 14.196 min Scan# 4663
 Delta R.T. -0.016 min
 Lab File: VN066228.D
 Acq: 17 Mar 2021 11:11

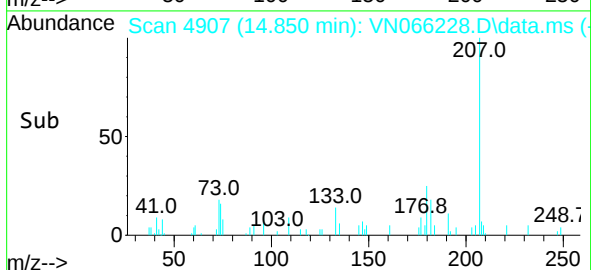
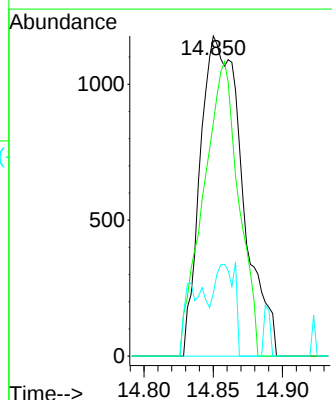
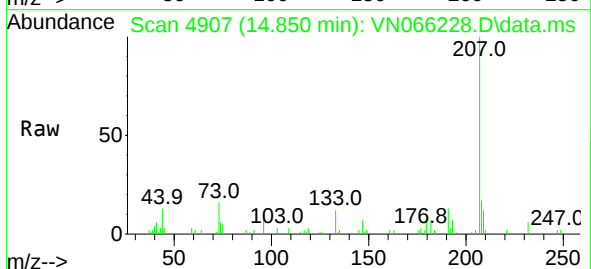
Instrument :
 MSVOA_N
 ClientSampled :

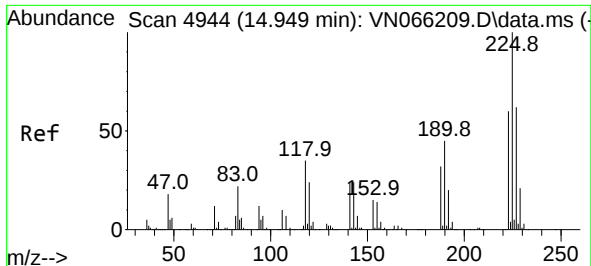
Tgt Ion: 75 Resp: 233
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.72 ug/l
 RT: 14.850 min Scan# 4907
 Delta R.T. 0.000 min
 Lab File: VN066228.D
 Acq: 17 Mar 2021 11:11

Tgt Ion: 180 Resp: 2489
 Ion Ratio Lower Upper
 180 100
 182 76.9 47.4 142.2
 145 13.7 14.1 42.3#

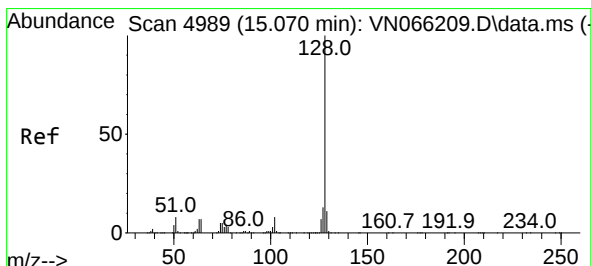
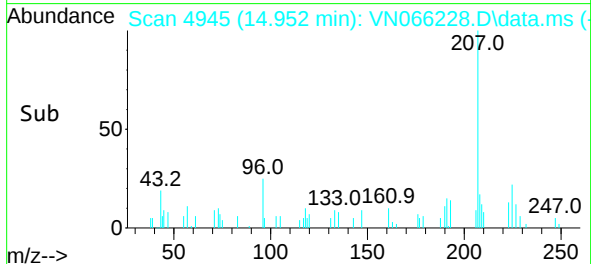
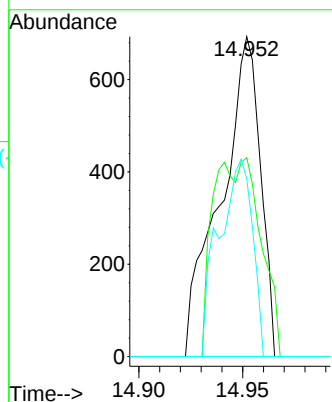
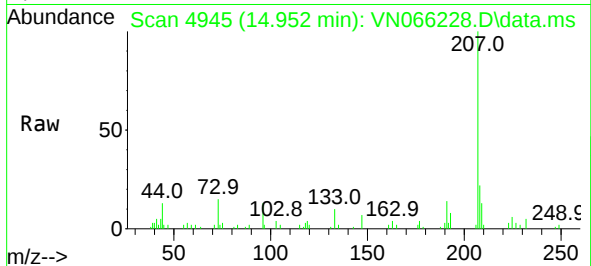




#94
Hexachlorobutadiene
Concen: 0.55 ug/l
RT: 14.952 min Scan# 4945
Delta R.T. 0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

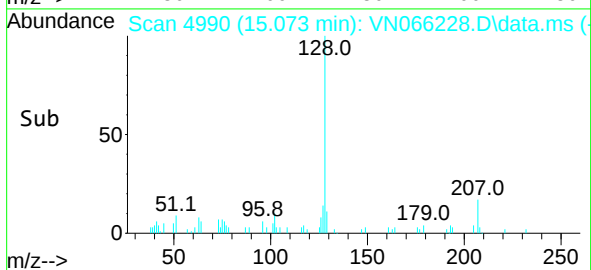
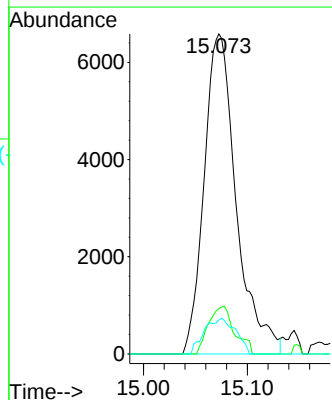
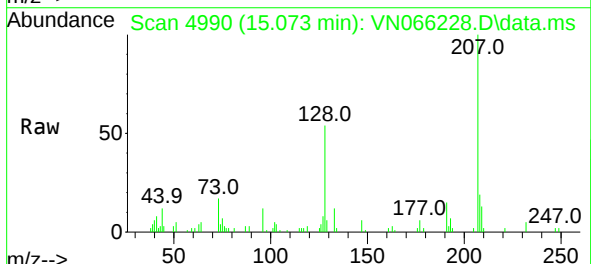
Instrument :
MSVOA_N
ClientSampled :

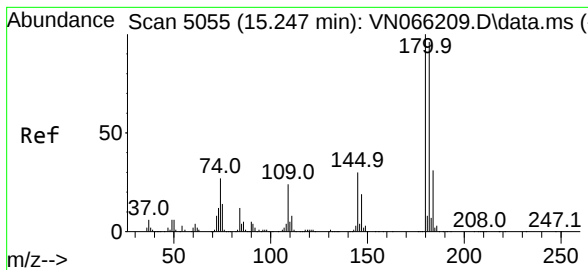
Tgt Ion:	225	Resp:	920
Ion	Ratio	Lower	Upper
225	100		
223	38.6	31.3	93.8
227	52.3	31.9	95.7



#95
Naphthalene
Concen: 1.41 ug/l
RT: 15.073 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN066228.D
Acq: 17 Mar 2021 11:11

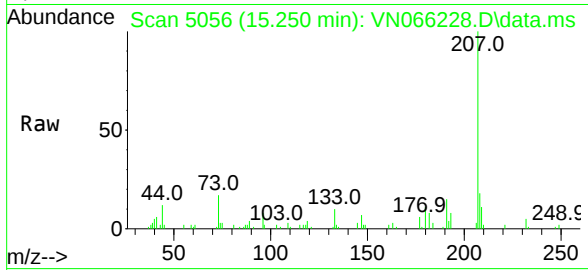
Tgt Ion:	128	Resp:	14141
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	10.9	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.82 ug/l
 RT: 15.250 min Scan# 5056
 Delta R.T. 0.003 min
 Lab File: VN066228.D
 Acq: 17 Mar 2021 11:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2826
Ion Ratio	Lower	Upper	
180	100		
182	65.6	47.9	143.8
145	24.9	15.6	46.8

