

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040121\
 Data File : VN066450.D
 Acq On : 1 Apr 2021 13:00
 Operator : JC/MD
 Sample : VN0401WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Quant Time: Apr 02 04:48:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 01 14:08:22 2021
 Response via : Initial Calibration

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

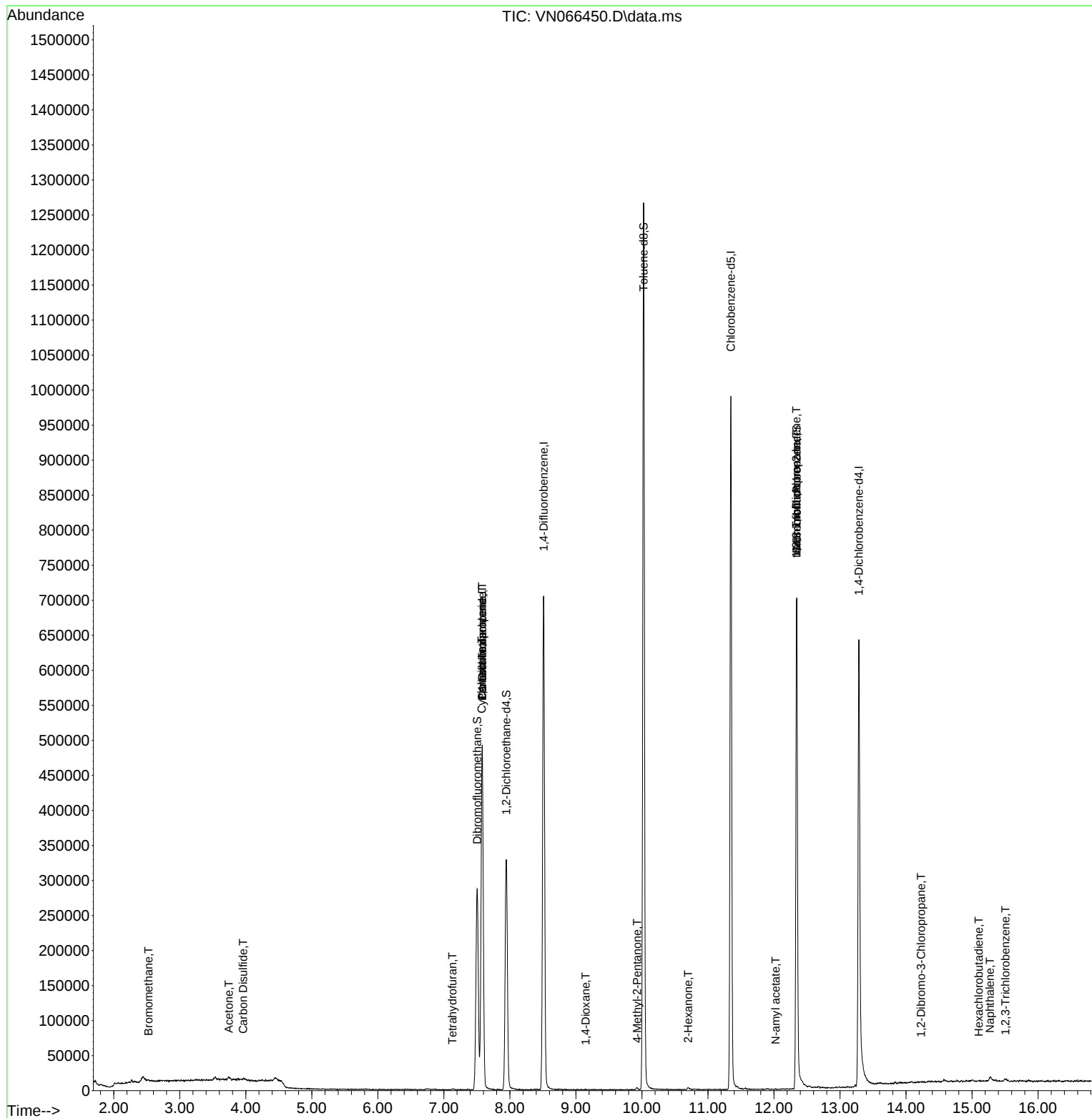
Internal Standards						
1) Pentafluorobenzene	7.582	168	409377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	618124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	566572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	207828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	283461	52.09	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.18%			
35) Dibromofluoromethane	7.504	113	219946	53.68	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.36%			
50) Toluene-d8	10.025	98	845046	54.37	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.74%			
62) 4-Bromofluorobenzene	12.345	95	235827	43.68	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.36%			
Target Compounds					Qvalue	
3) Chloromethane	2.014	50	2249	Below Cal		90
5) Bromomethane	2.526	94	1185	0.30 ug/l #		68
13) Acrolein	3.532	56	4702	Below Cal		99
16) Acetone	3.744	43	2876	0.98 ug/l #		87
17) Carbon Disulfide	3.958	76	2920	0.21 ug/l #		80
20) Methylene Chloride	4.444	84	1599	Below Cal #		73
29) Tetrahydrofuran	7.131	42	425	0.20 ug/l #		33
31) Cyclohexane	7.576	56	8303	1.10 ug/l #		8
36) 1,1-Dichloropropene	7.582	75	29964	5.16 ug/l #		48
38) Carbon Tetrachloride	7.582	117	37585	6.44 ug/l #		16
49) 1,4-Dioxane	9.148	88	54	0.83 ug/l #		1
51) 4-Methyl-2-Pentanone	9.928	43	2354	0.37 ug/l #		85
59) 2-Hexanone	10.701	43	2742	0.61 ug/l		80
71) Bromoform	12.345	173	2350	0.65 ug/l #		1
74) N-amyl acetate	12.028	43	146	3.22 ug/l #		45
76) 1,2,3-Trichloropropane	12.342	75	123504	27.08 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.342	75	123504	81.44 ug/l #		12
92) 1,2-Dibromo-3-Chloropr...	14.228	75	226	0.24 ug/l #		1
94) Hexachlorobutadiene	15.105	225	532	0.24 ug/l #		41
95) Naphthalene	15.271	128	3655	1.35 ug/l #		76
96) 1,2,3-Trichlorobenzene	15.507	180	1378	0.34 ug/l #		84

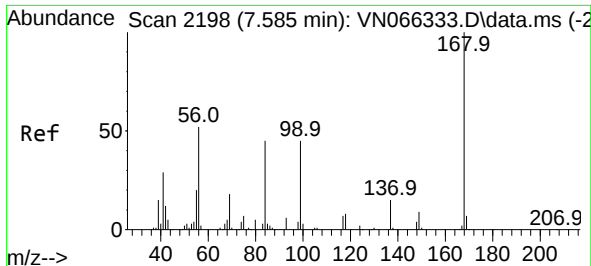
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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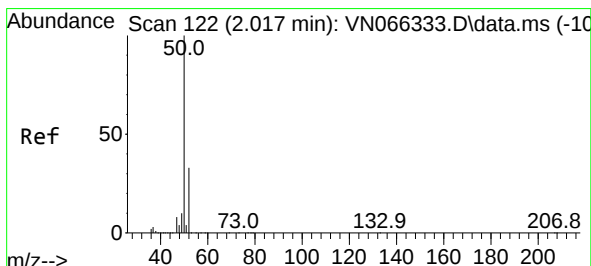
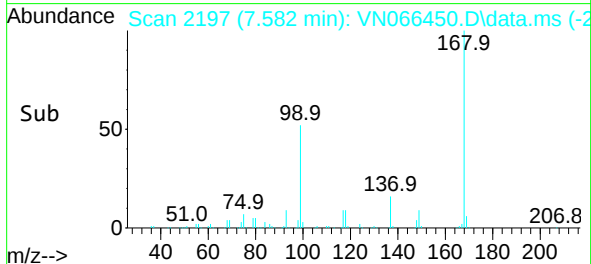
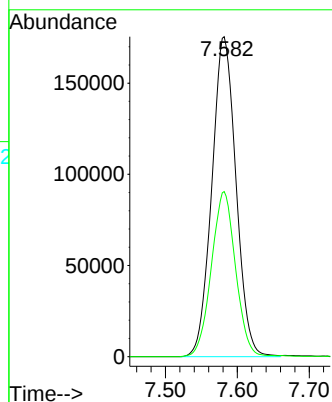
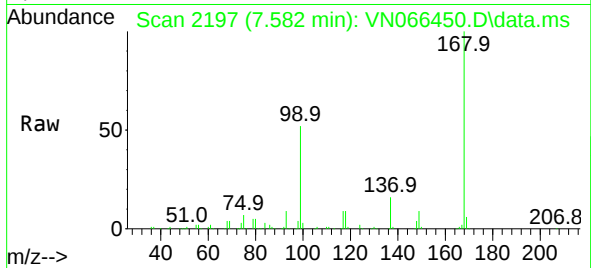




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

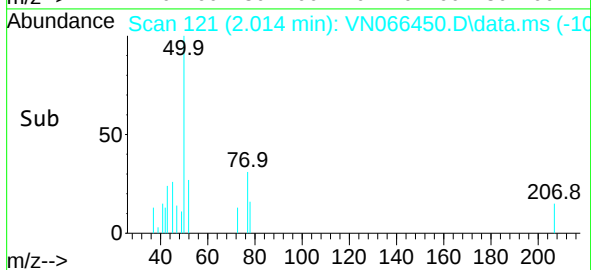
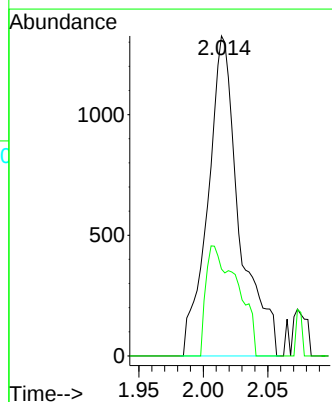
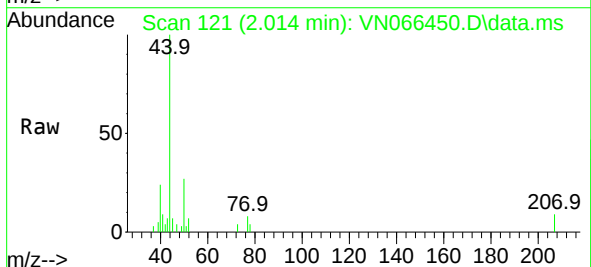
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

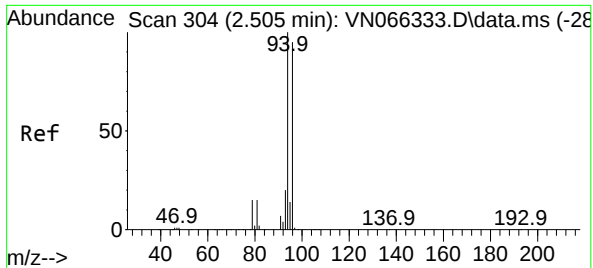
Tgt Ion:168 Resp: 409377
Ion Ratio Lower Upper
168 100
99 51.6 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 50 Resp: 2249
Ion Ratio Lower Upper
50 100
52 27.1 26.2 39.2

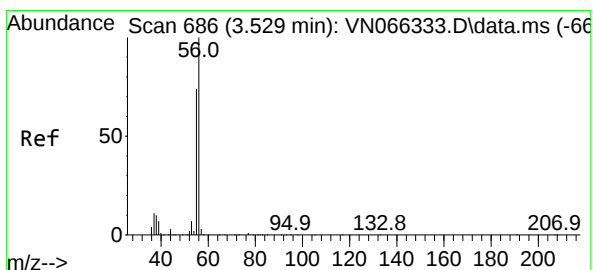
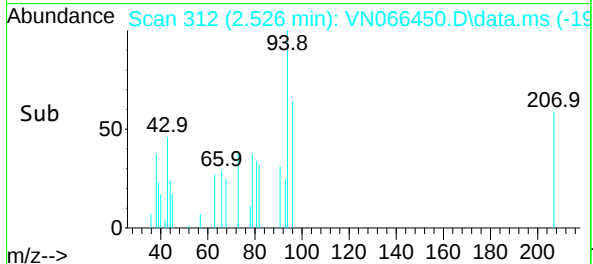
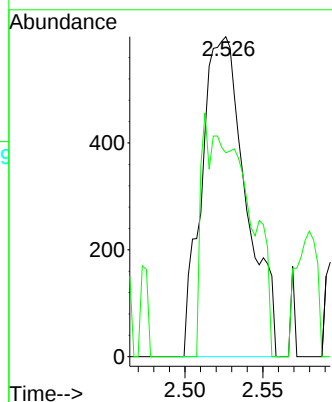
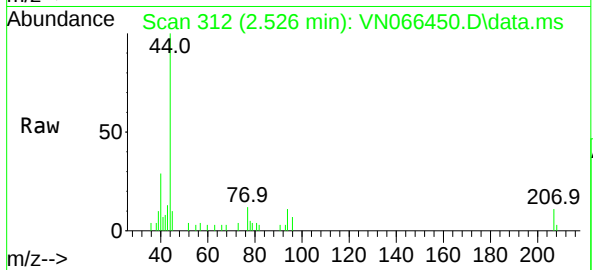




#5
Bromomethane
Concen: 0.30 ug/l
RT: 2.526 min Scan# 312
Delta R.T. 0.013 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

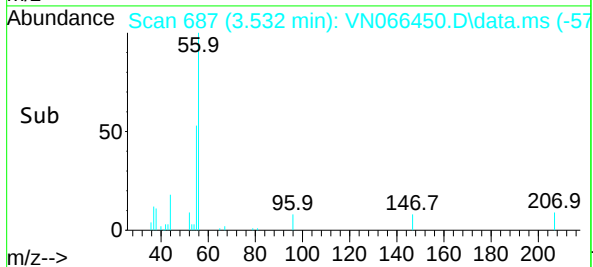
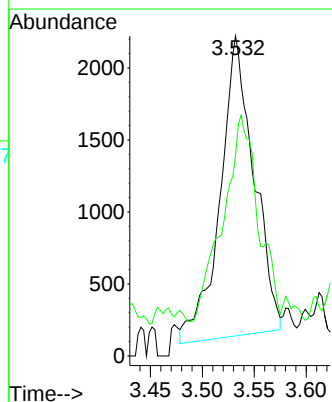
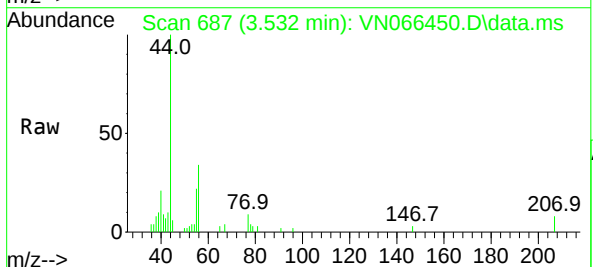
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

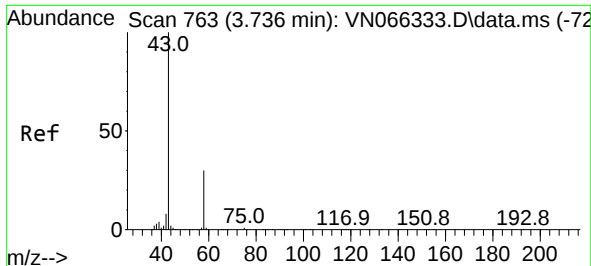
Tgt Ion: 94 Resp: 1185
Ion Ratio Lower Upper
94 100
96 63.8 75.8 113.6#



#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 56 Resp: 4702
Ion Ratio Lower Upper
56 100
55 71.5 57.9 86.9

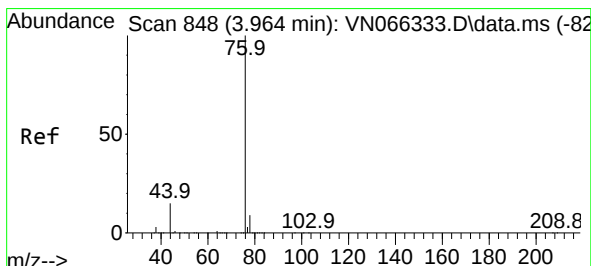
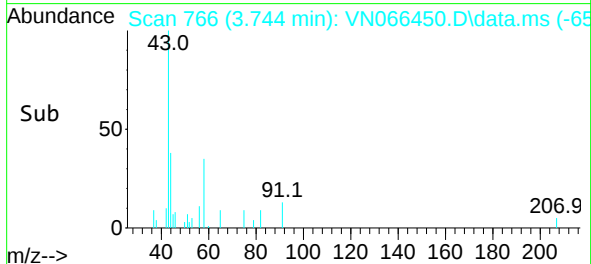
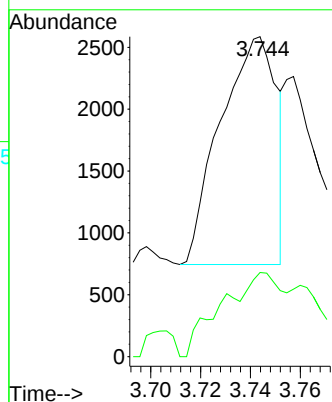
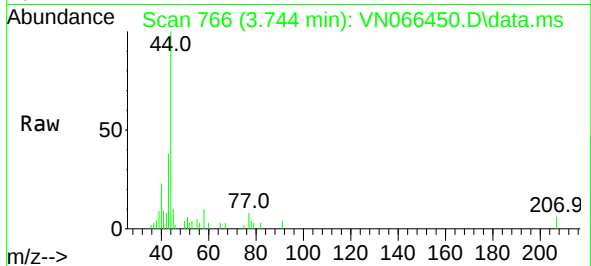




#16
Acetone
Concen: 0.98 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.011 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

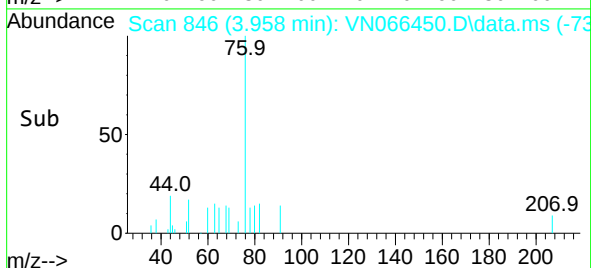
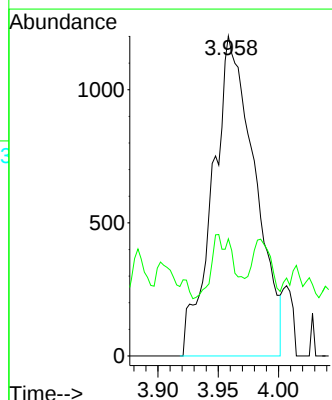
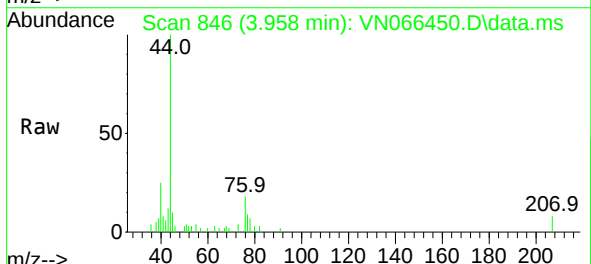
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

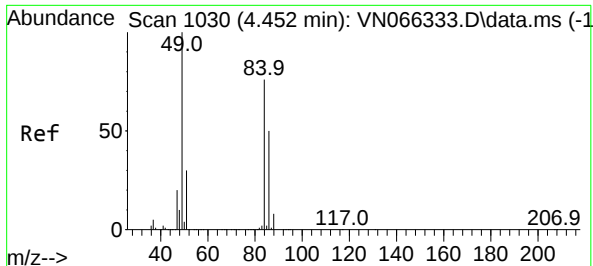
Tgt Ion: 43 Resp: 2876
Ion Ratio Lower Upper
43 100
58 36.9 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 3.958 min Scan# 846
Delta R.T. -0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

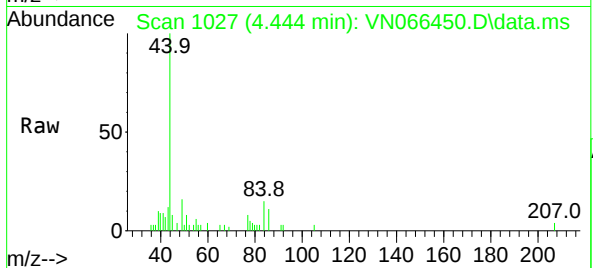
Tgt Ion: 76 Resp: 2920
Ion Ratio Lower Upper
76 100
78 16.5 7.4 11.0#





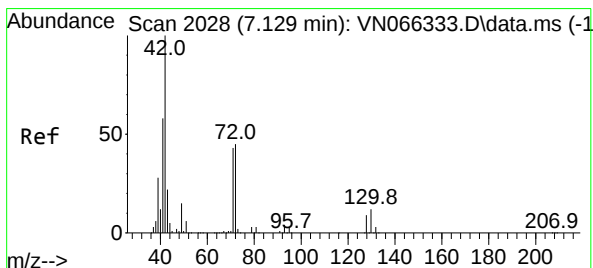
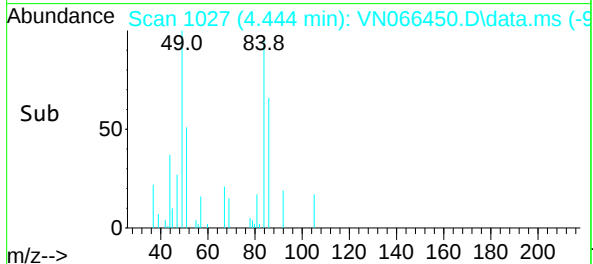
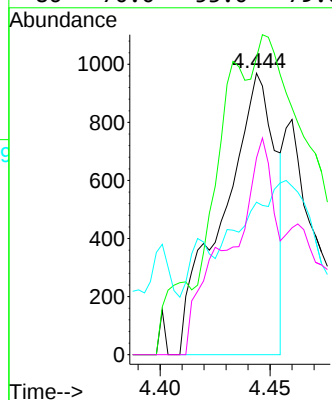
#20
Methylene Chloride
Concen: Below Cal
RT: 4.444 min Scan# 1027
Delta R.T. -0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01



Tgt Ion: 84 Resp: 1599

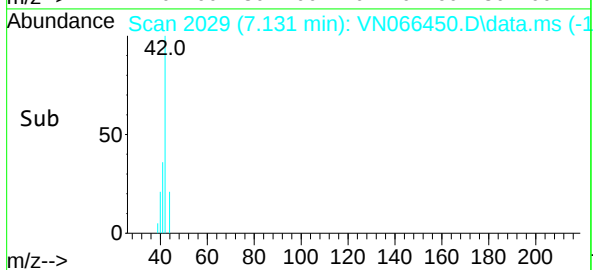
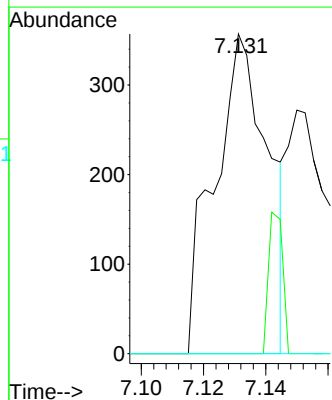
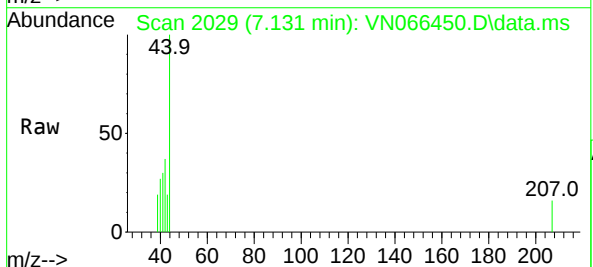
Ion	Ratio	Lower	Upper
84	100		
49	80.0	105.0	157.6#
51	33.7	31.6	47.4
86	70.0	53.0	79.6

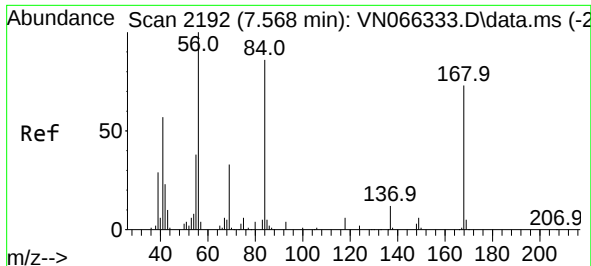


#29
Tetrahydrofuran
Concen: 0.20 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.008 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 42 Resp: 425

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	33.1	49.7#

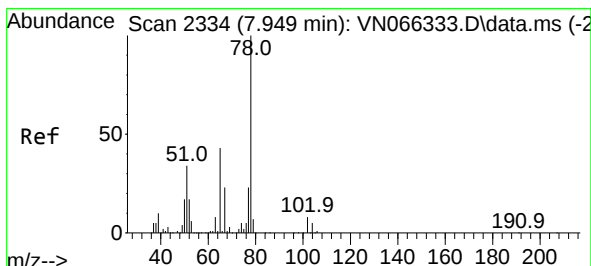
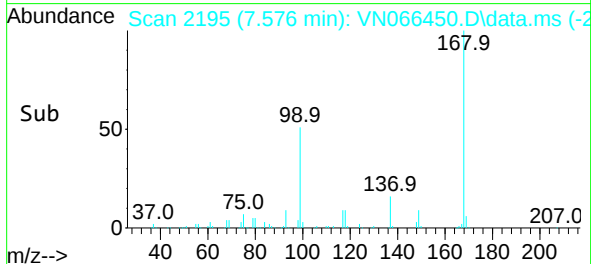
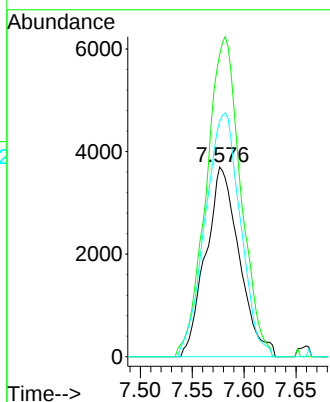
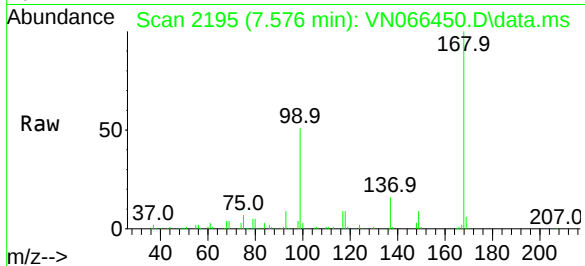




#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.576 min Scan# 2195
Delta R.T. 0.011 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

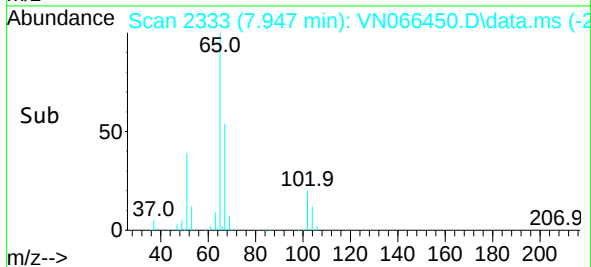
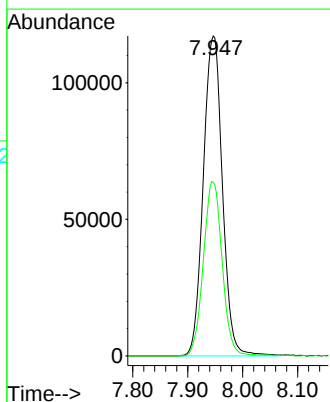
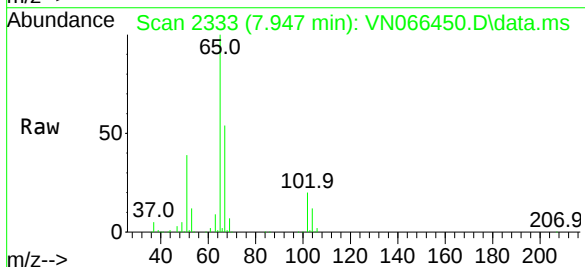
Instrument :
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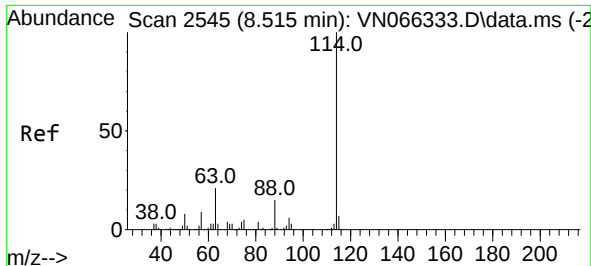
Tgt Ion: 56 Resp: 8303
Ion Ratio Lower Upper
56 100
69 159.2 26.6 40.0#
84 124.0 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 52.09 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 65 Resp: 283461
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.2

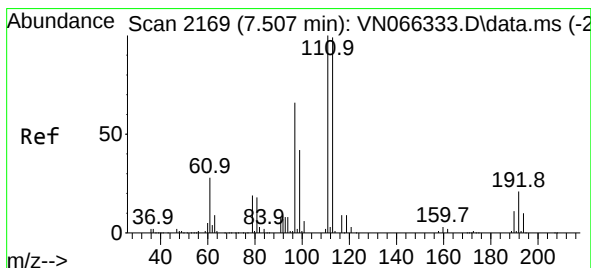
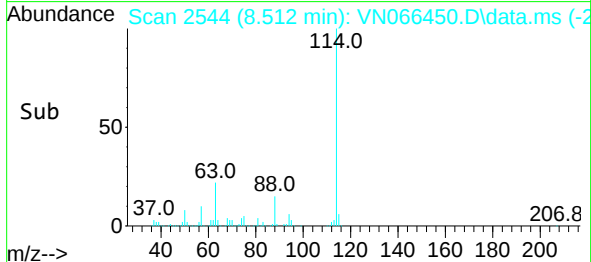
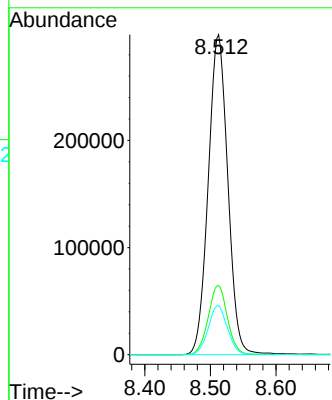
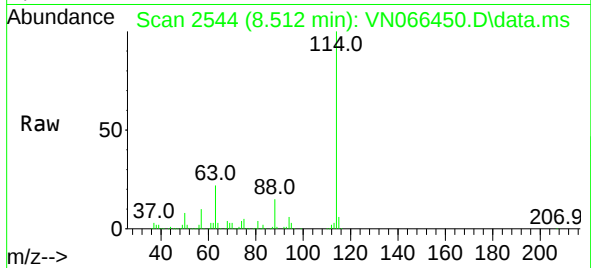




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. 0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

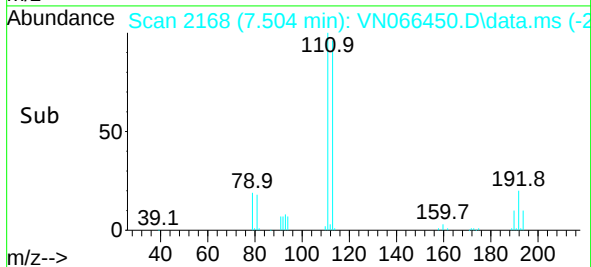
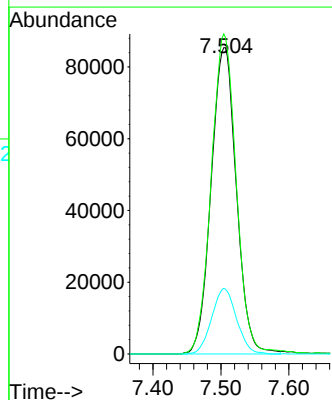
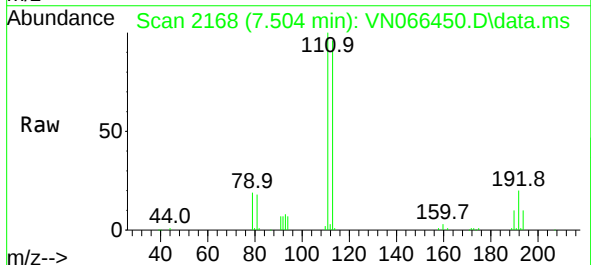
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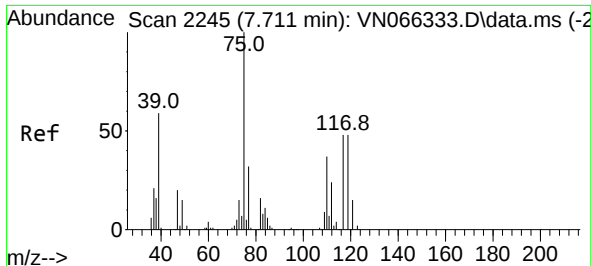
Tgt Ion:114 Resp: 618124
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.0
88 15.3 0.0 31.0



#35
Dibromofluoromethane
Concen: 53.68 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion:113 Resp: 219946
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 21.0 17.1 25.7

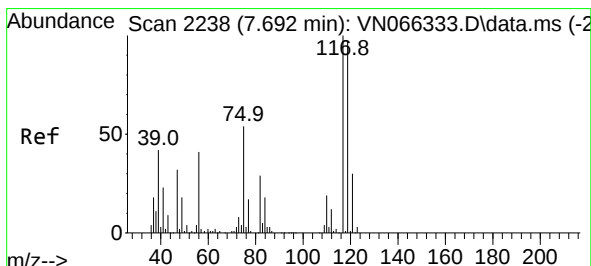
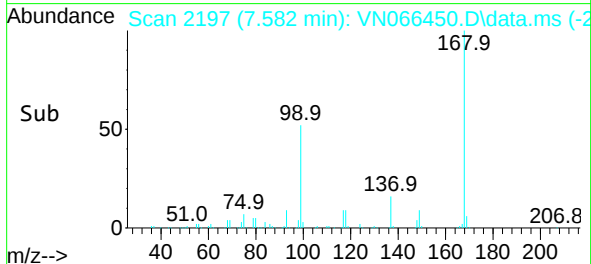
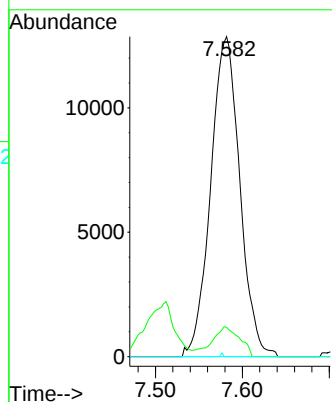
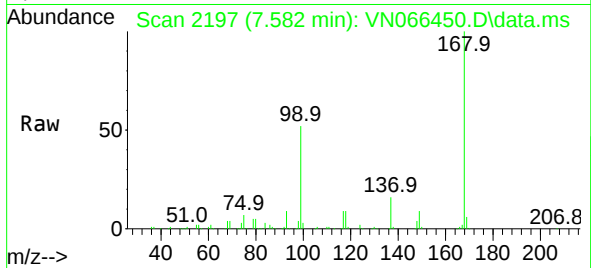




#36
1,1-Dichloropropene
Concen: 5.16 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.123 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

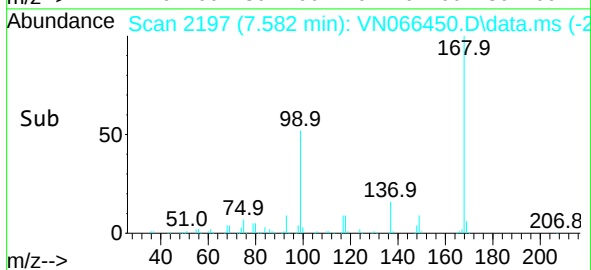
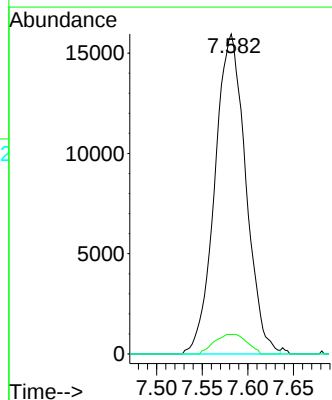
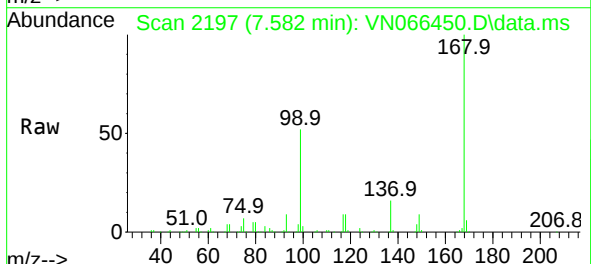
Instrument :
MSVOA_N
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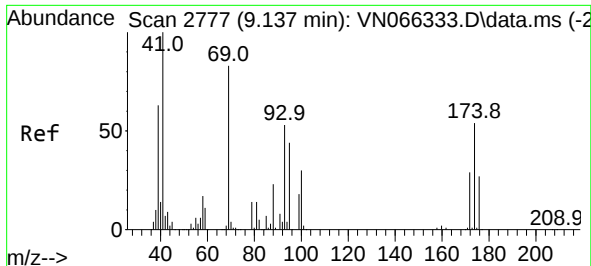
Tgt Ion: 75 Resp: 29964
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.3#
77 0.1 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.44 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.102 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

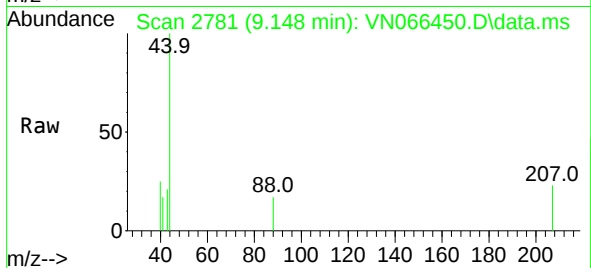
Tgt Ion: 117 Resp: 37585
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 24.2 36.4#



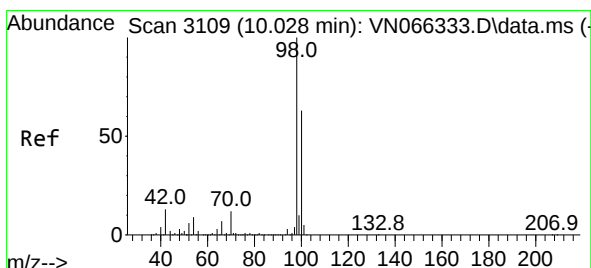
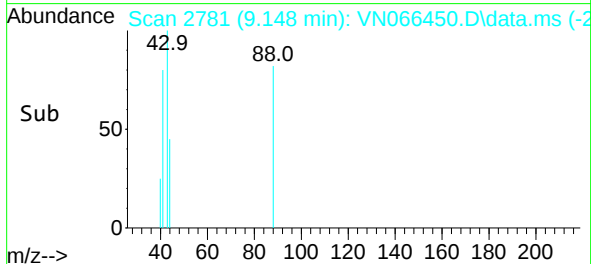
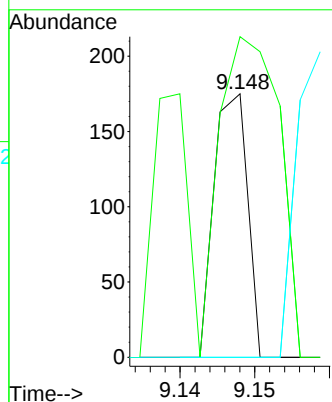


#49
1,4-Dioxane
Concen: 0.83 ug/l
RT: 9.148 min Scan# 2781
Delta R.T. 0.016 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

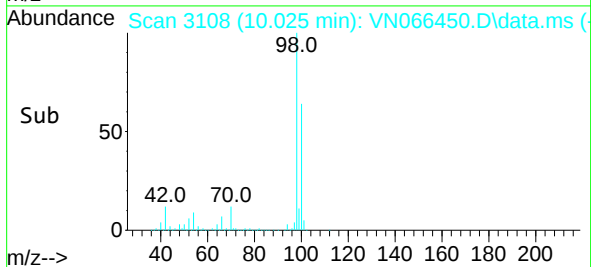
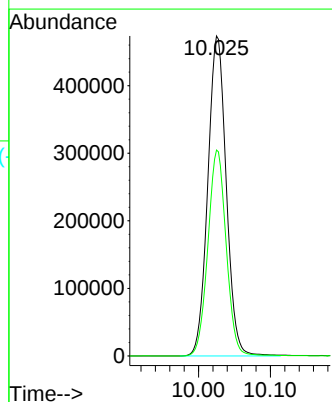
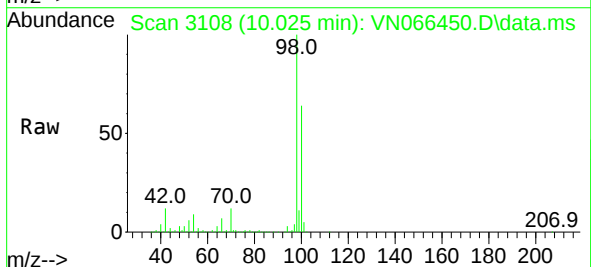


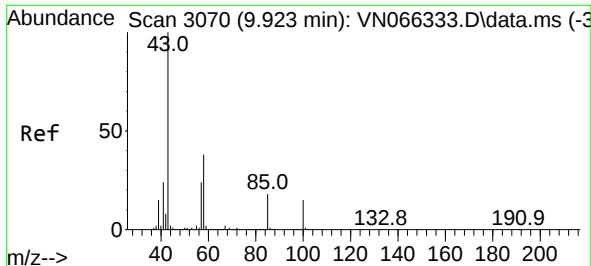
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 222.2 28.2 42.4#
58 172.2 56.6 84.8#



#50
Toluene-d8
Concen: 54.37 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 98 Resp: 845046
Ion Ratio Lower Upper
98 100
100 63.7 50.5 75.7

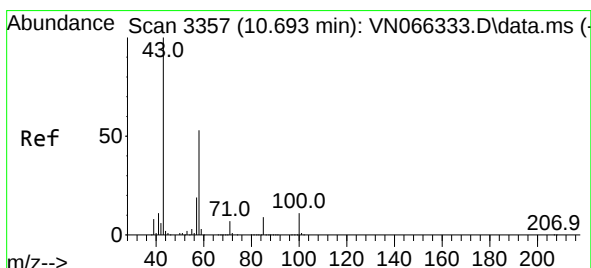
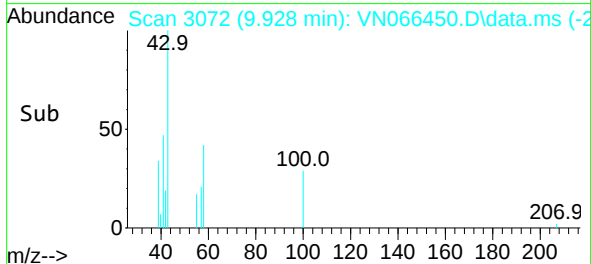
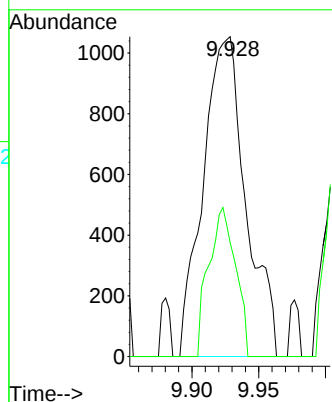
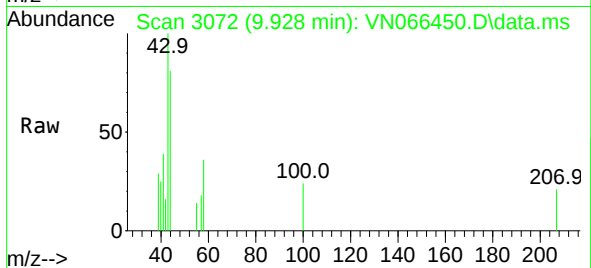




#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 9.928 min Scan# 3072
Delta R.T. 0.011 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

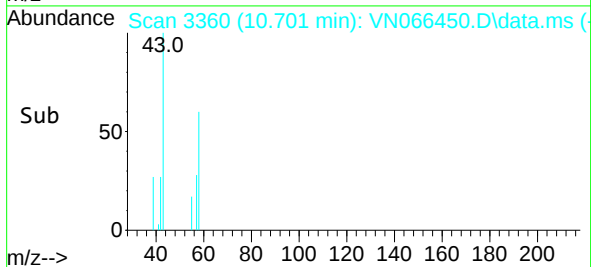
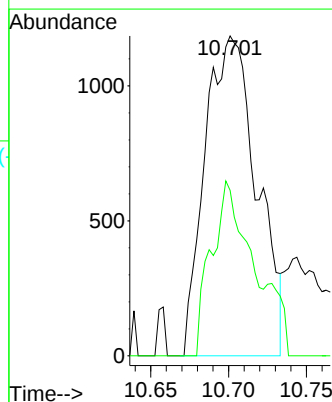
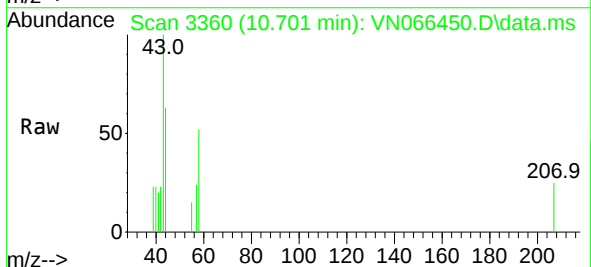
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

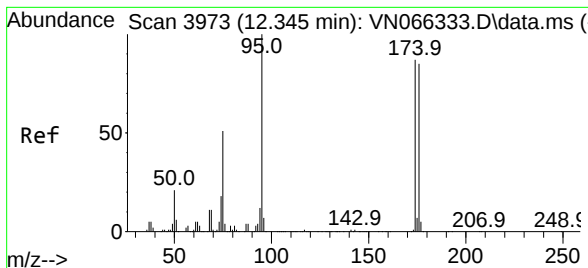
Tgt Ion: 43 Resp: 2354
Ion Ratio Lower Upper
43 100
58 29.2 30.8 46.2#



#59
2-Hexanone
Concen: 0.61 ug/l
RT: 10.701 min Scan# 3360
Delta R.T. 0.011 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 43 Resp: 2742
Ion Ratio Lower Upper
43 100
58 38.7 26.6 79.8

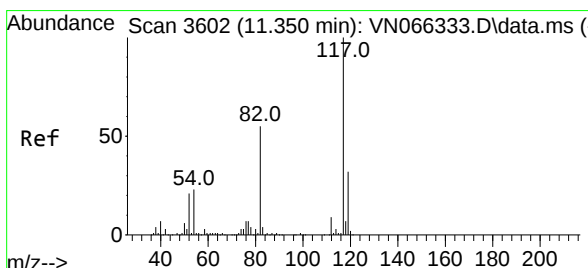
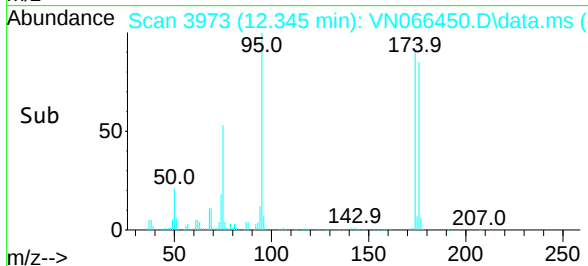
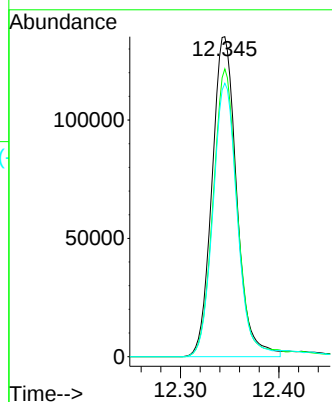
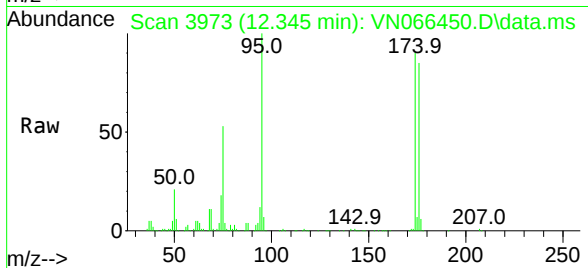




#62
4-Bromofluorobenzene
Concen: 43.68 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

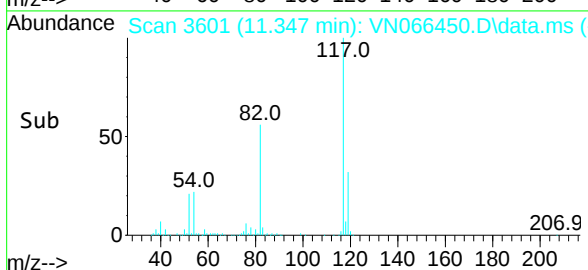
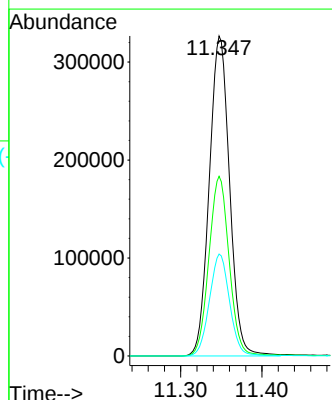
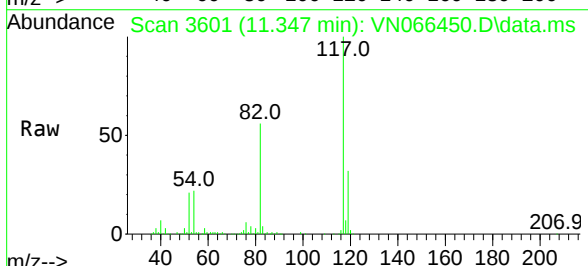
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

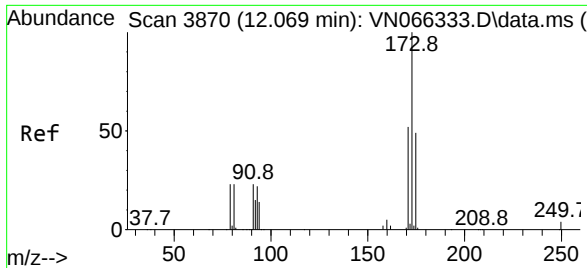
Tgt Ion: 95 Resp: 235827
Ion Ratio Lower Upper
95 100
174 88.7 0.0 172.2
176 84.1 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.000 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 117 Resp: 566572
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.4
119 31.9 25.8 38.6

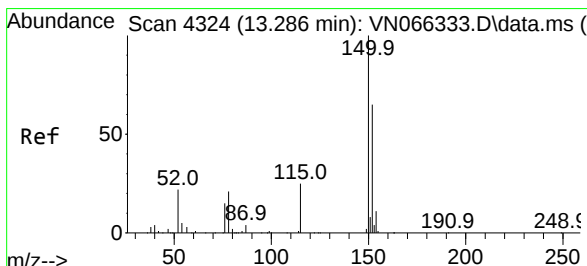
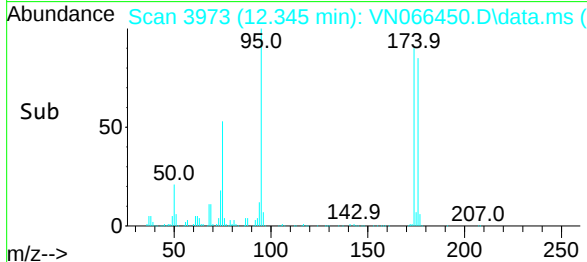
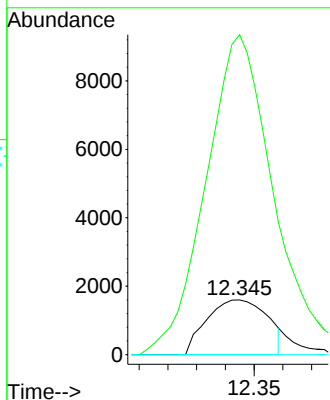
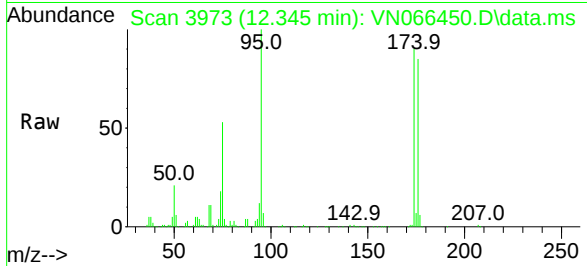




#71
Bromoform
Concen: 0.65 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

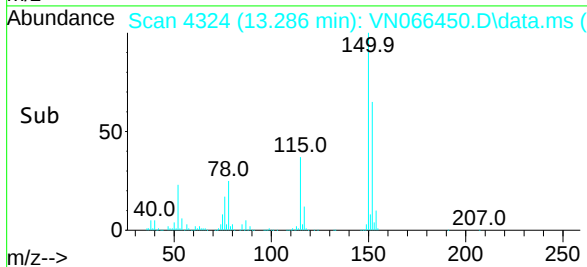
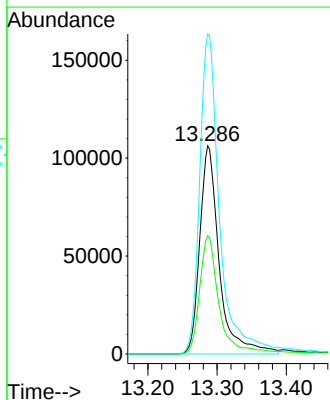
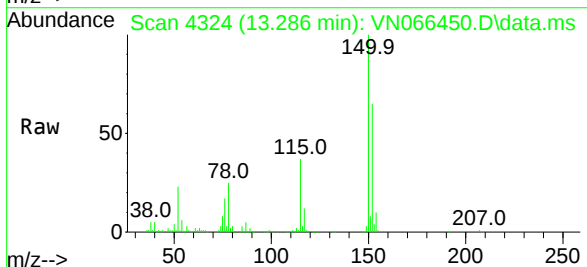
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

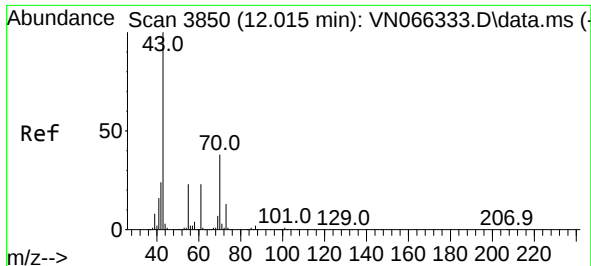
Tgt Ion:173 Resp: 2350
Ion Ratio Lower Upper
173 100
175 573.1 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.003 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion:152 Resp: 207828
Ion Ratio Lower Upper
152 100
115 57.8 27.8 83.4
150 160.0 0.0 348.4

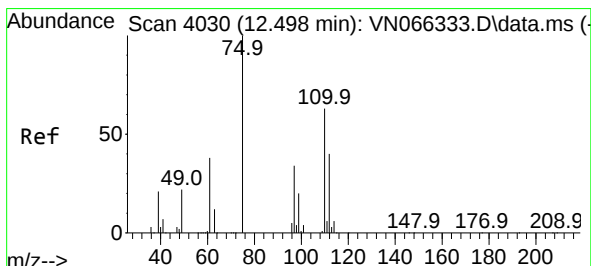
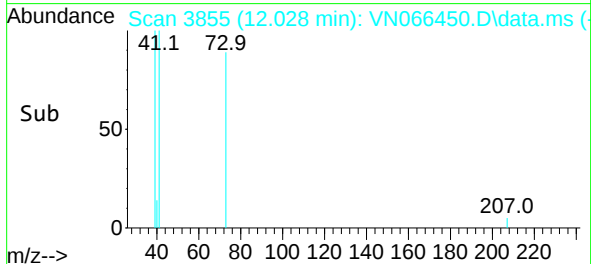
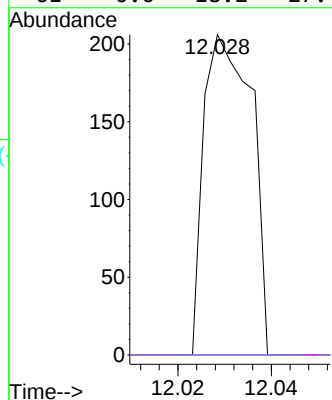
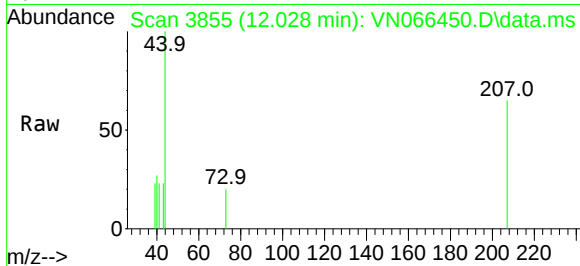




#74
N-amy1 acetate
Concen: 3.22 ug/l
RT: 12.028 min Scan# 3855
Delta R.T. 0.013 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

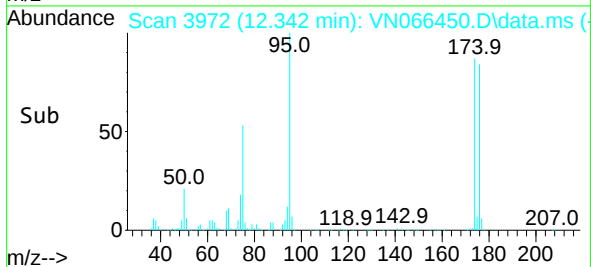
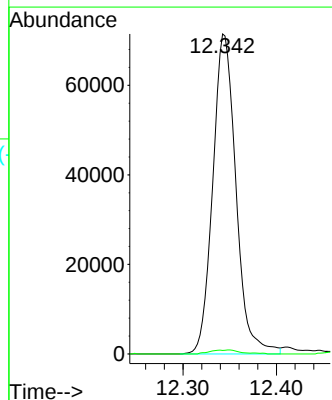
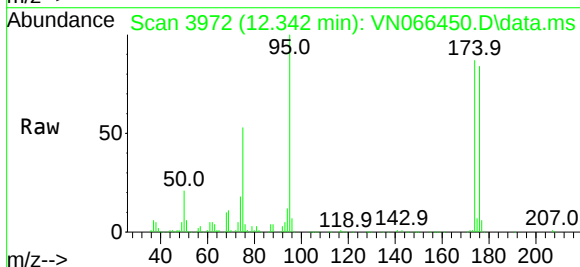
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

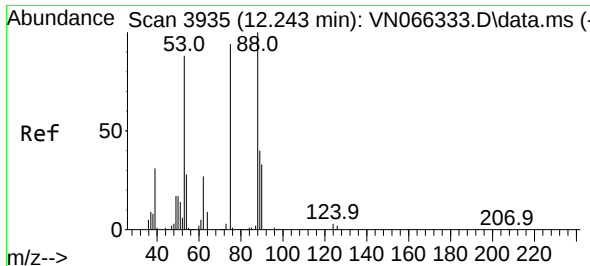
Tgt Ion: 43	Resp: 146
Ion Ratio	Lower Upper
43 100	
70 0.0	31.2 46.8#
55 0.0	18.6 28.0#
61 0.0	18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 27.08 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. -0.153 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 75	Resp: 123504
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

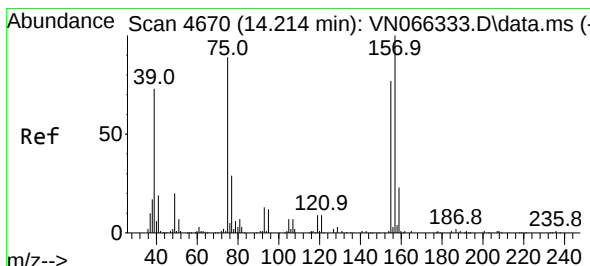
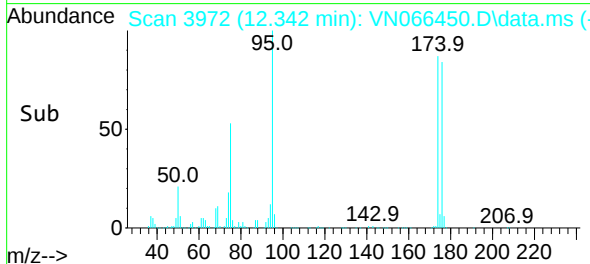
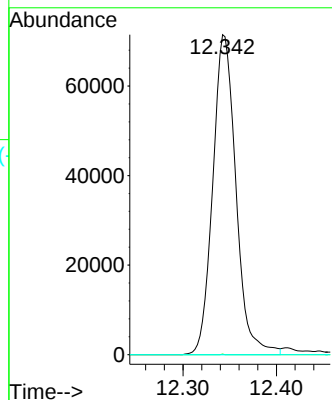
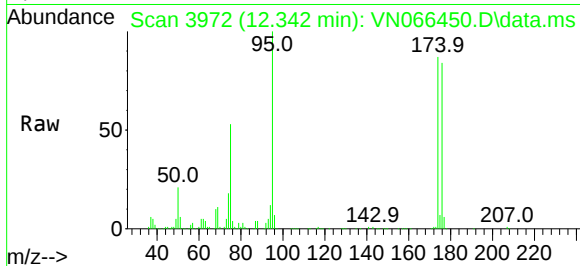




#81
trans-1,4-Dichloro-2-butene
Concen: 81.44 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.099 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

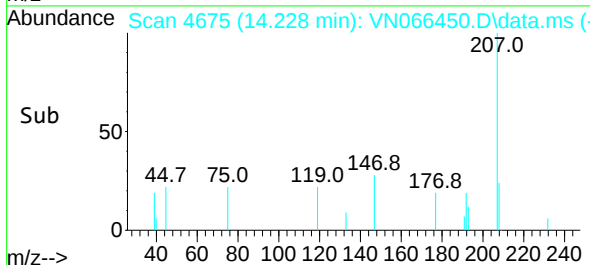
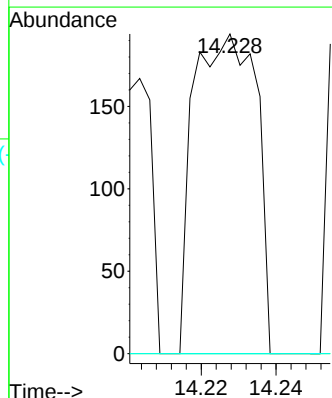
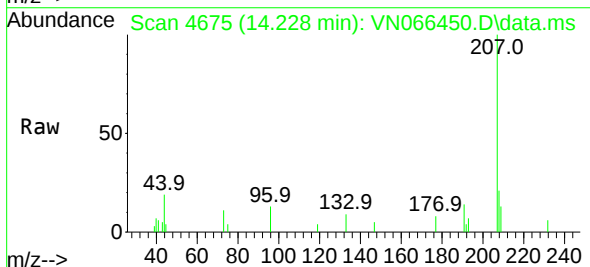
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

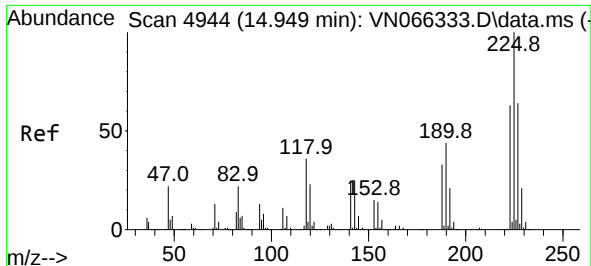
Tgt Ion: 75 Resp: 123504
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.24 ug/l
RT: 14.228 min Scan# 4675
Delta R.T. -0.000 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

Tgt Ion: 75 Resp: 226
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#

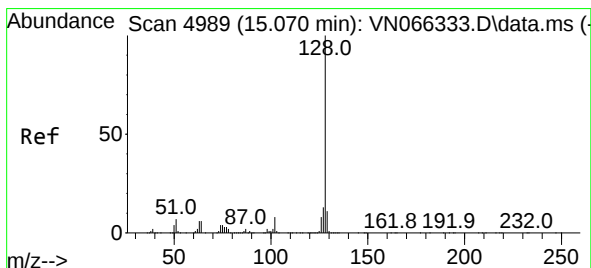
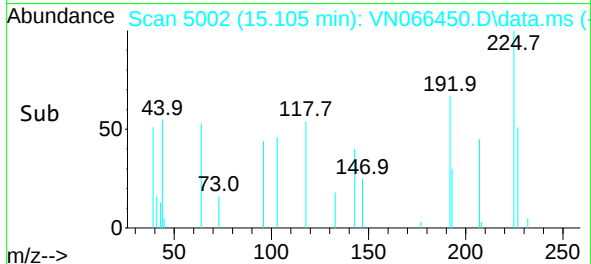
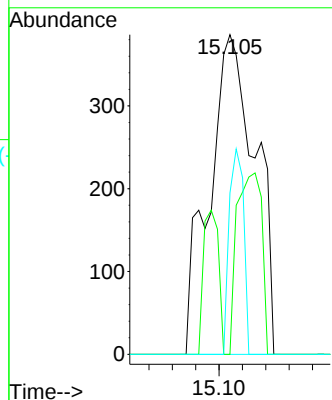
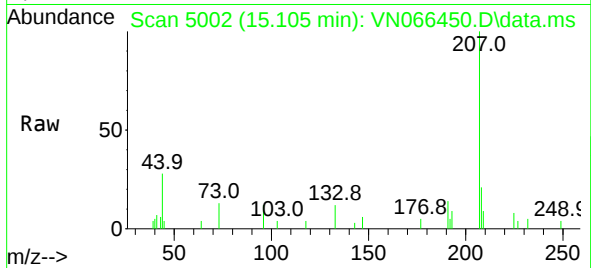




#94
Hexachlorobutadiene
Concen: 0.24 ug/l
RT: 15.105 min Scan# 5002
Delta R.T. -0.000 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

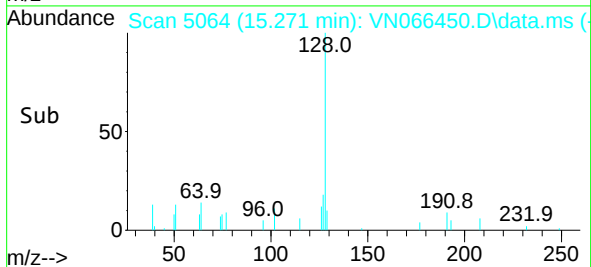
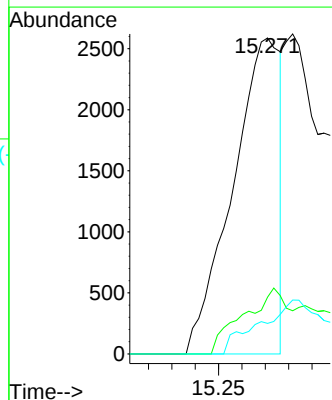
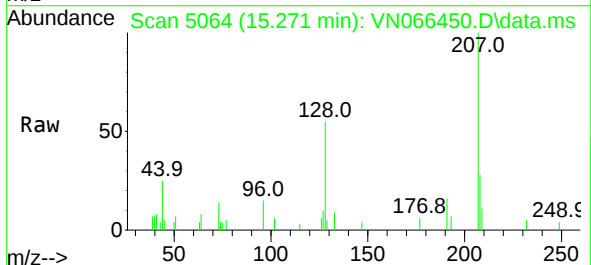
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

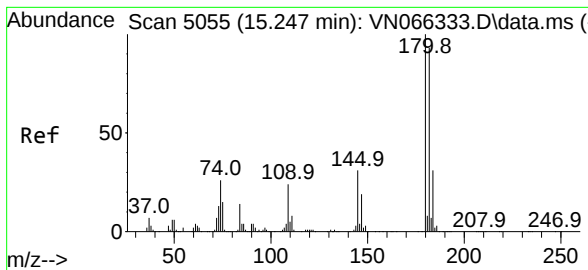
Tgt Ion:225 Resp: 532
Ion Ratio Lower Upper
225 100
223 14.7 31.1 93.5#
227 19.9 32.1 96.3#



#95
Naphthalene
Concen: 1.35 ug/l
RT: 15.271 min Scan# 5064
Delta R.T. 0.011 min
Lab File: VN066450.D
Acq: 1 Apr 2021 13:00

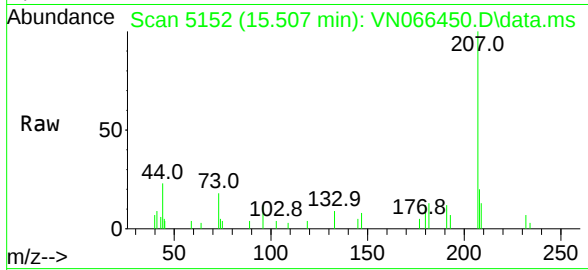
Tgt Ion:128 Resp: 3655
Ion Ratio Lower Upper
128 100
127 19.7 10.5 15.7#
129 23.4 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.34 ug/l
 RT: 15.507 min Scan# 5152
 Delta R.T. 0.011 min
 Lab File: VN066450.D
 Acq: 1 Apr 2021 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01



Tgt Ion:	180	Resp:	1378
Ion	Ratio	Lower	Upper
180	100		
182	105.4	47.6	142.9
145	13.2	15.4	46.1#

