

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042621\
 Data File : VN066769.D
 Acq On : 26 Apr 2021 18:14
 Operator : JC/MD
 Sample : PB135974ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 27 06:14:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

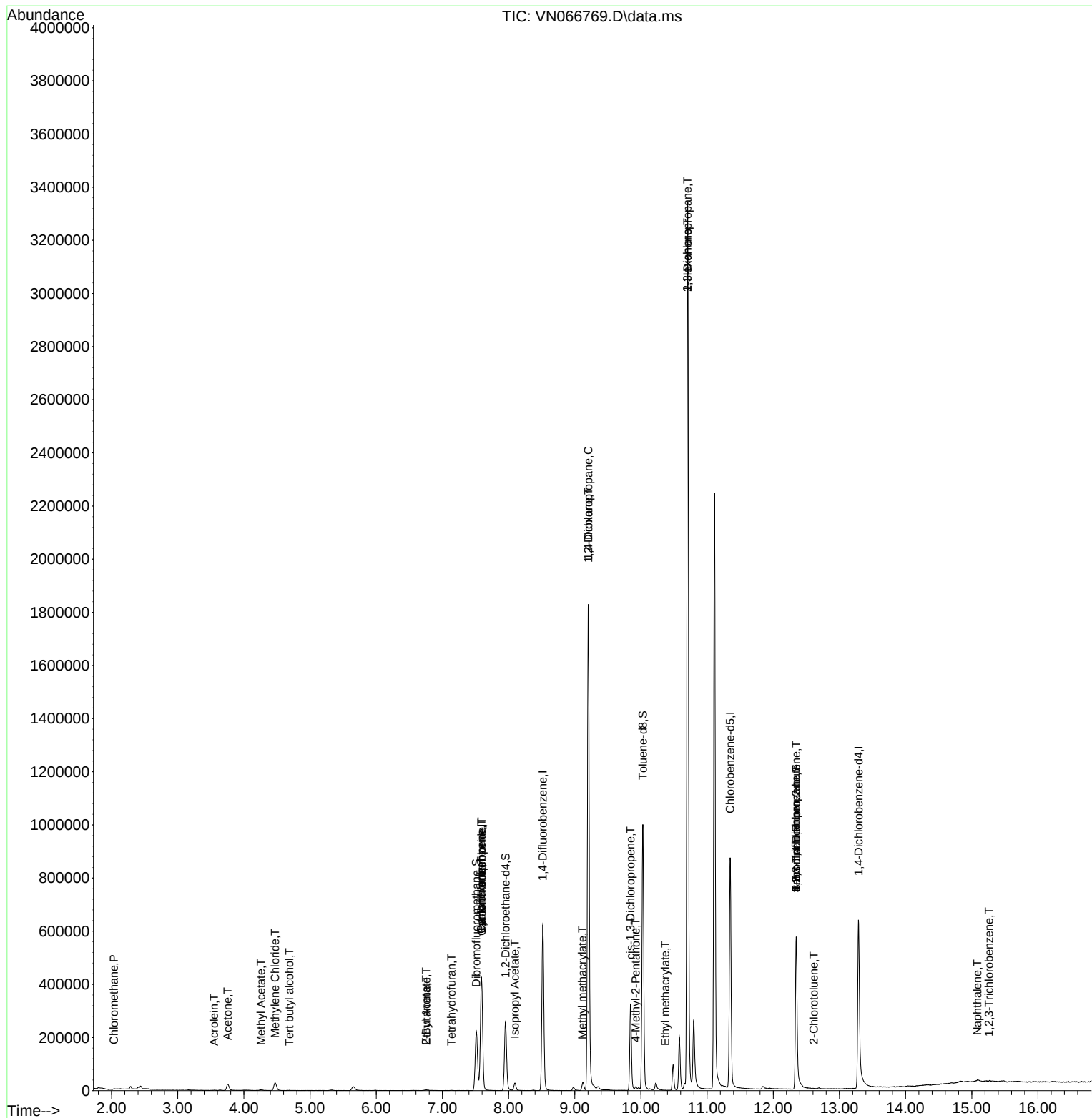
Internal Standards						
1) Pentafluorobenzene	7.591	168	368153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	575461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	521546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	225746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	226776	50.42	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.84%			
35) Dibromofluoromethane	7.513	113	179648	49.85	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.70%			
50) Toluene-d8	10.029	98	705856	50.23	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.46%			
62) 4-Bromofluorobenzene	12.346	95	235381	48.91	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.82%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1352	0.23	ug/l	97
11) Tert butyl alcohol	4.686	59	134	0.24	ug/l #	73
13) Acrolein	3.549	56	733	1.16	ug/l #	70
16) Acetone	3.756	43	42312	25.13	ug/l	95
18) Methyl Acetate	4.260	43	3971	0.85	ug/l #	69
20) Methylene Chloride	4.472	84	22079	4.41	ug/l	98
25) 2-Butanone	6.754	43	6019	2.49	ug/l #	88
29) Tetrahydrofuran	7.135	42	657	0.39	ug/l #	35
31) Cyclohexane	7.588	56	7062	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	27252	5.09	ug/l #	43
37) Ethyl Acetate	6.754	43	6019	1.07	ug/l #	68
38) Carbon Tetrachloride	7.594	117	33250	6.53	ug/l #	17
43) Isopropyl Acetate	8.095	43	36531	4.07	ug/l #	85
45) 1,2-Dichloropropane	9.203	63	2203	0.47	ug/l #	44
48) Methyl methacrylate	9.114	41	7685	1.95	ug/l #	10
49) 1,4-Dioxane	9.206	88	152	3.19	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	9300	1.85	ug/l	92
54) cis-1,3-Dichloropropene	9.844	75	60343	8.73	ug/l #	63
56) Ethyl methacrylate	10.370	69	49	3.16	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	34433	5.11	ug/l #	43
59) 2-Hexanone	10.705	43	497763	139.96	ug/l #	49
71) Bromoform	12.346	173	1367	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	118850	24.60	ug/l #	100
79) 2-Chlorotoluene	12.612	91	111	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	118850	72.55	ug/l #	12
95) Naphthalene	15.085	128	566	1.90	ug/l #	54
96) 1,2,3-Trichlorobenzene	15.262	180	148	1.39	ug/l #	1

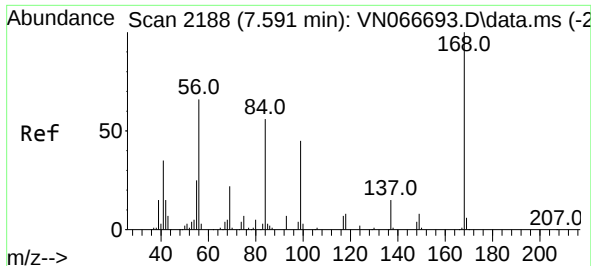
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 27 06:14:01 2021
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Response via : Initial Calibration

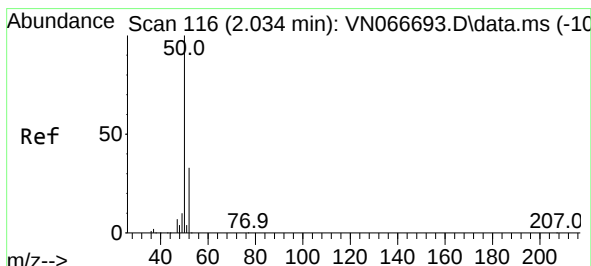
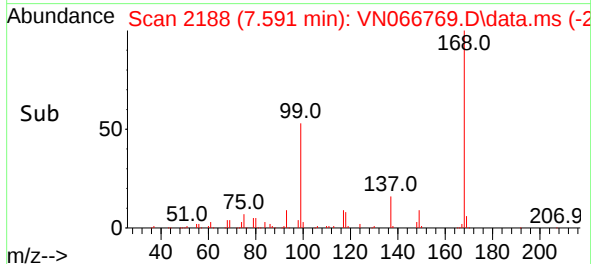
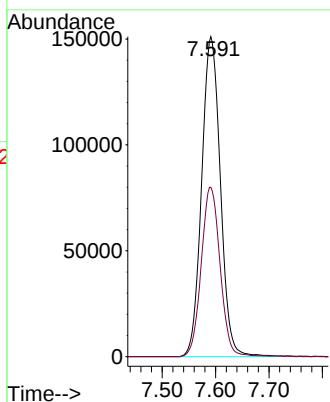
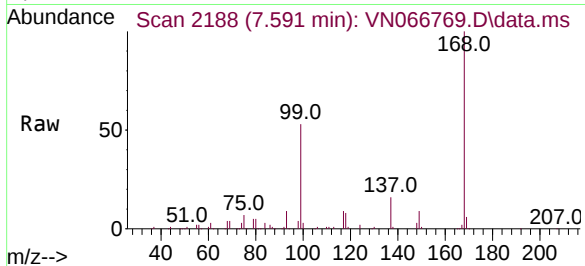




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

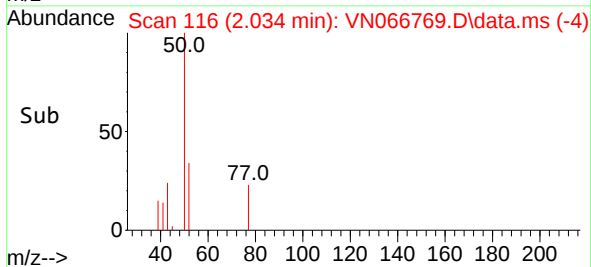
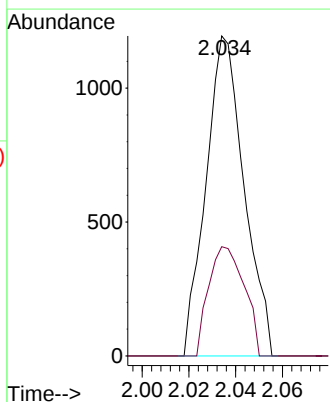
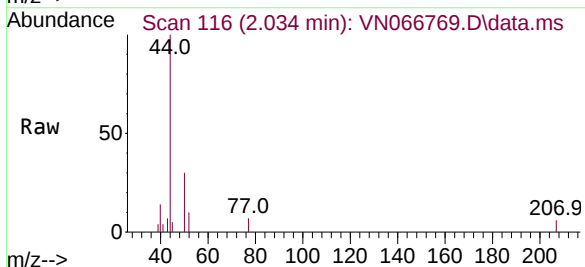
Instrument :
MSVOA_N
ClientSampled :

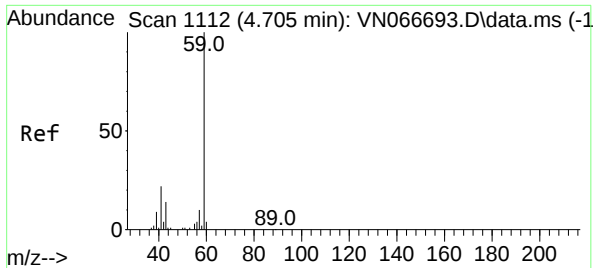
Tgt Ion:168 Resp: 368153
Ion Ratio Lower Upper
168 100
99 52.9 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 50 Resp: 1352
Ion Ratio Lower Upper
50 100
52 34.1 25.8 38.8

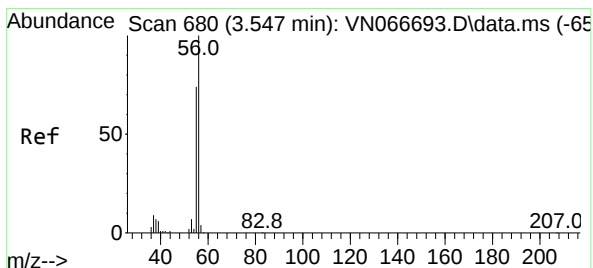
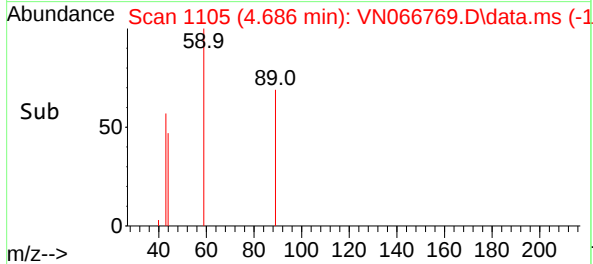
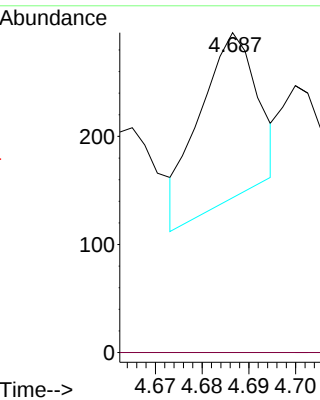
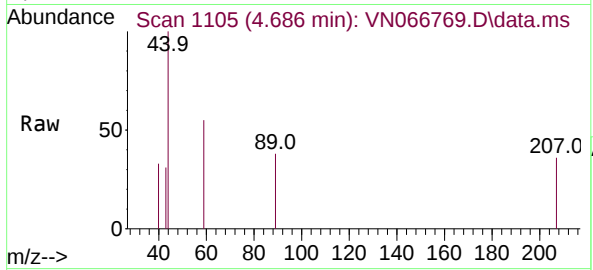




#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 4.686 min Scan# 1105
Delta R.T. -0.019 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

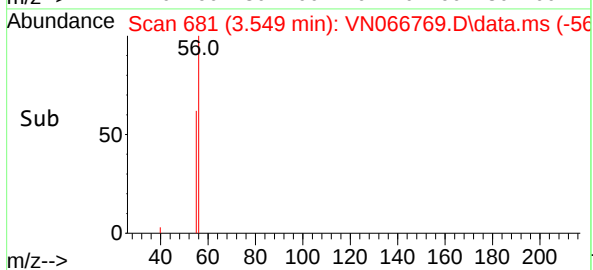
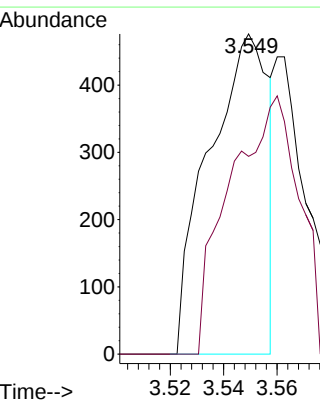
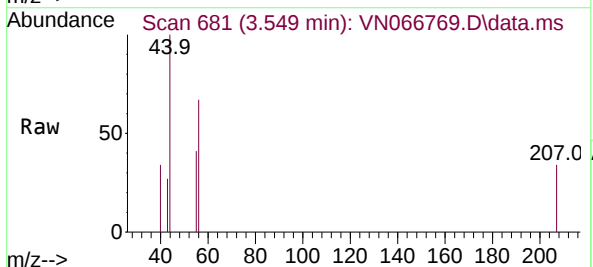
Instrument :
MSVOA_N
ClientSampled :

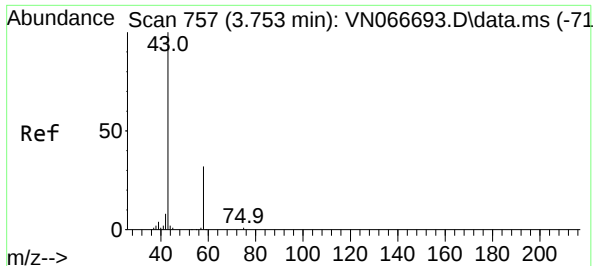
Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.16 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 56 Resp: 733
Ion Ratio Lower Upper
56 100
55 94.3 56.0 84.0#

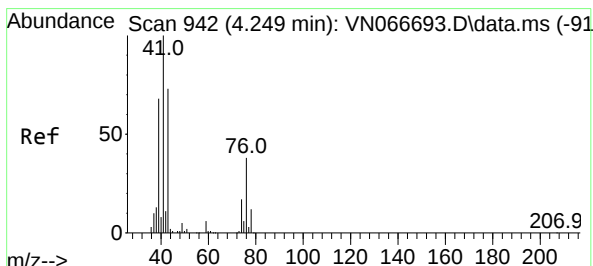
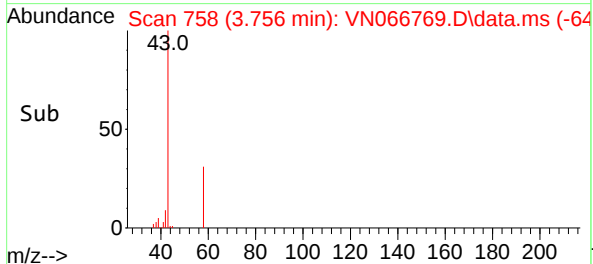
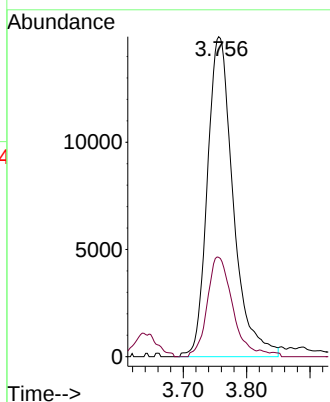
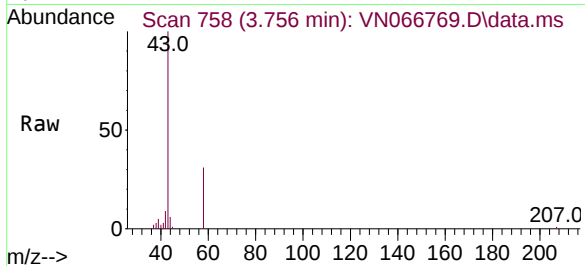




#16
Acetone
Concen: 25.13 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

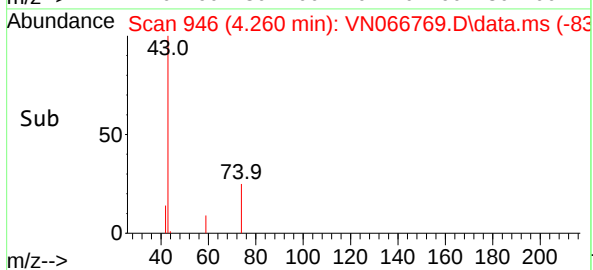
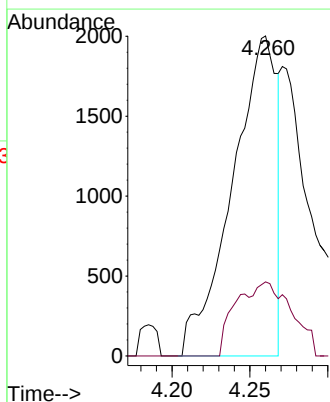
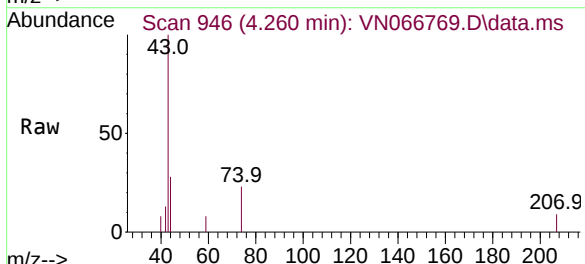
Instrument :
MSVOA_N
ClientSampled :

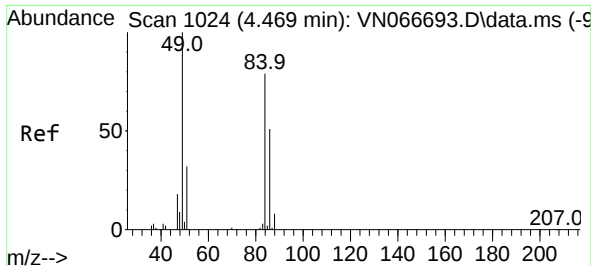
Tgt Ion: 43 Resp: 42312
Ion Ratio Lower Upper
43 100
58 31.1 27.0 40.6



#18
Methyl Acetate
Concen: 0.85 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

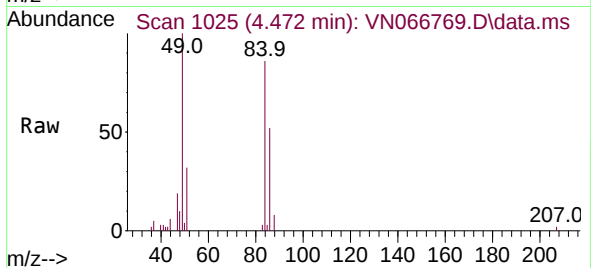
Tgt Ion: 43 Resp: 3971
Ion Ratio Lower Upper
43 100
74 9.1 19.5 29.3#



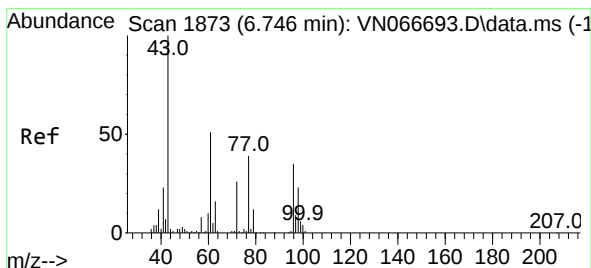
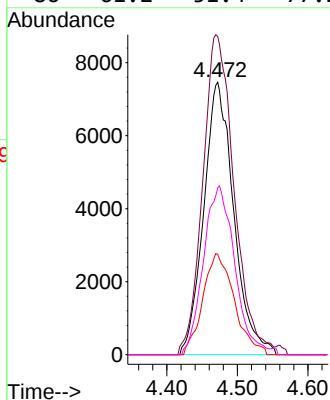
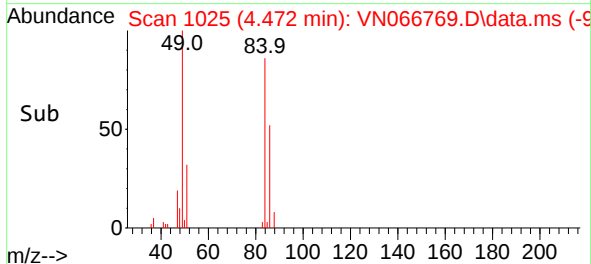


#20
Methylene Chloride
Concen: 4.41 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

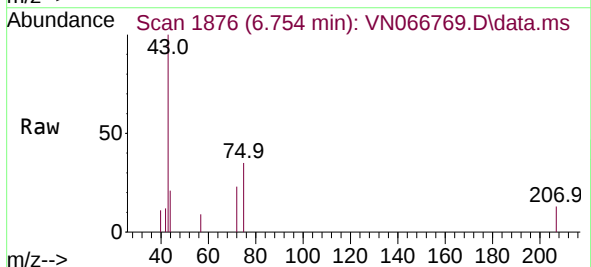
Instrument :
MSVOA_N
ClientSampled :



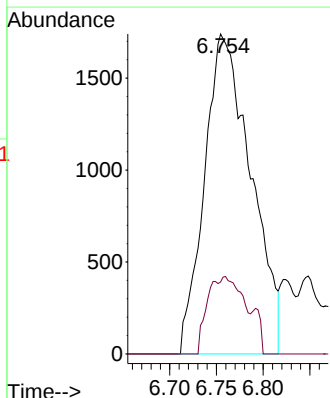
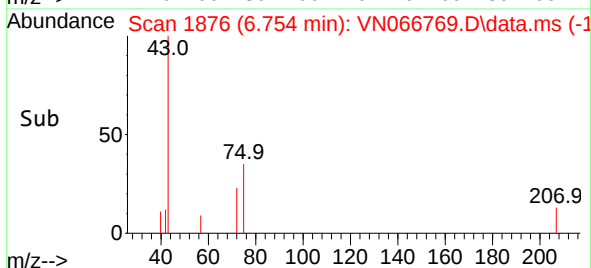
Tgt Ion:	84	Resp:	22079
Ion	Ratio	Lower	Upper
84	100		
49	116.8	94.6	141.8
51	36.9	29.9	44.9
86	61.2	51.4	77.2

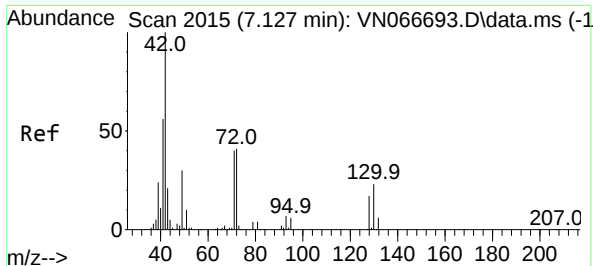


#25
2-Butanone
Concen: 2.49 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14



Tgt Ion:	43	Resp:	6019
Ion	Ratio	Lower	Upper
43	100		
72	22.5	23.1	34.7#





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 7.135 min Scan# 2018

Delta R.T. 0.008 min

Lab File: VN066769.D

Acq: 26 Apr 2021 18:14

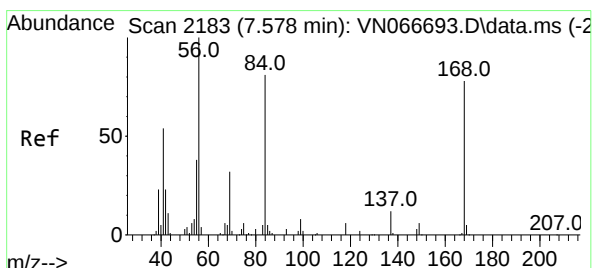
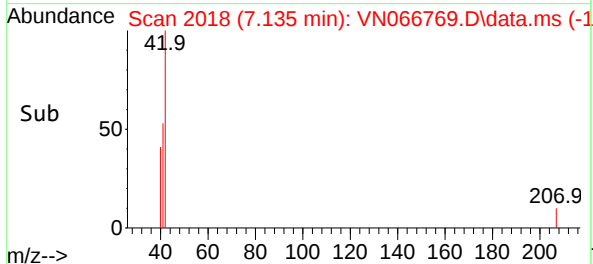
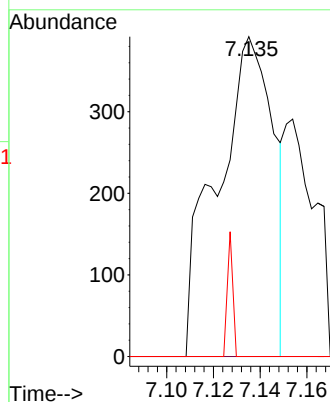
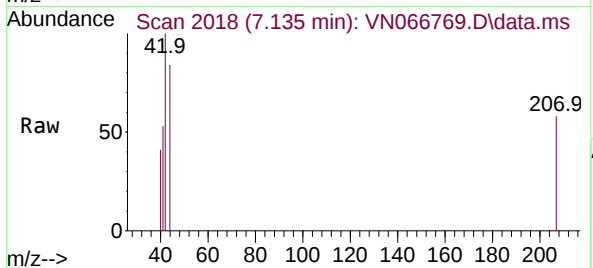
Tgt Ion: 42 Resp: 657

Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

71 3.8 34.3 51.5#



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 7.588 min Scan# 2187

Delta R.T. 0.010 min

Lab File: VN066769.D

Acq: 26 Apr 2021 18:14

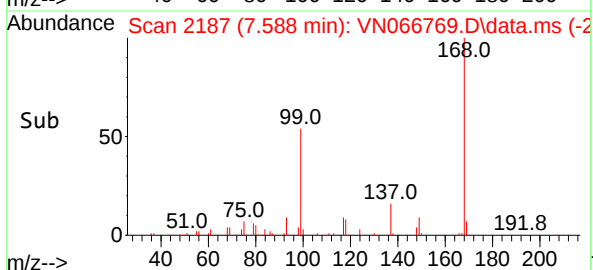
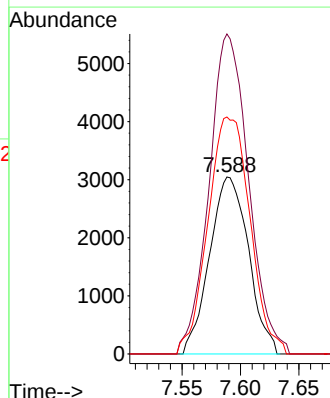
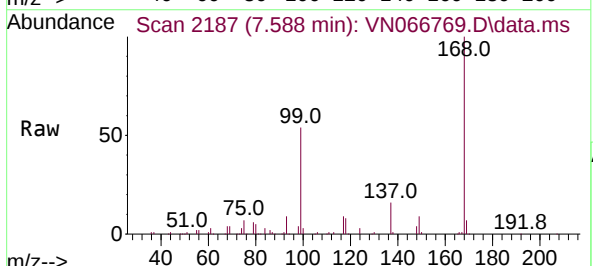
Tgt Ion: 56 Resp: 7062

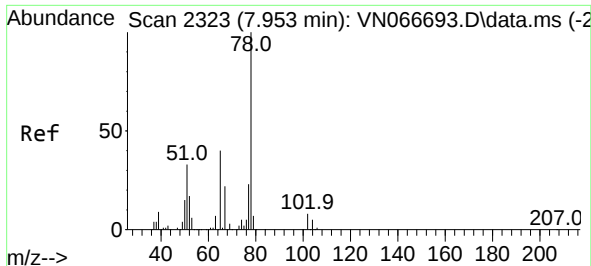
Ion Ratio Lower Upper

56 100

69 174.2 26.6 39.8#

84 127.9 70.4 105.6#

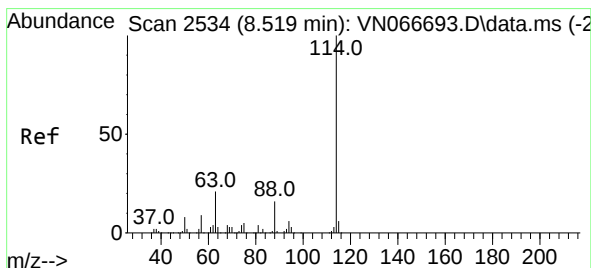
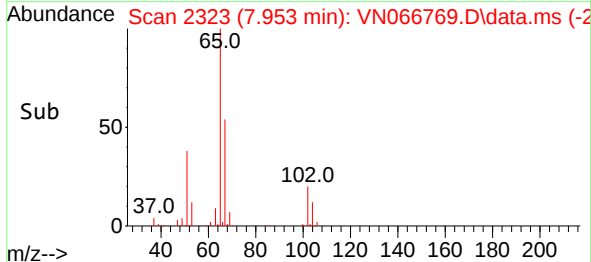
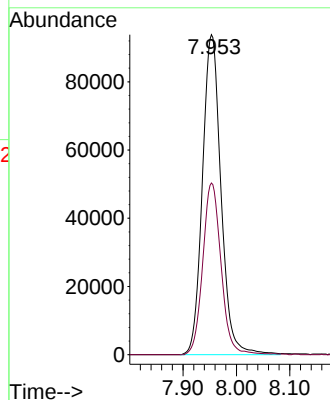
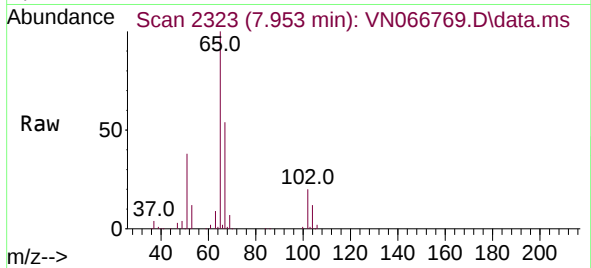




#33
1,2-Dichloroethane-d4
Concen: 50.42 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

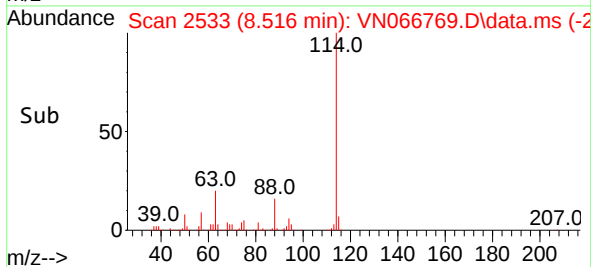
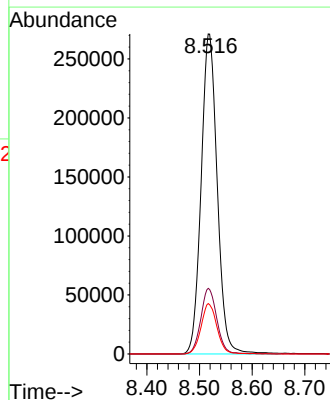
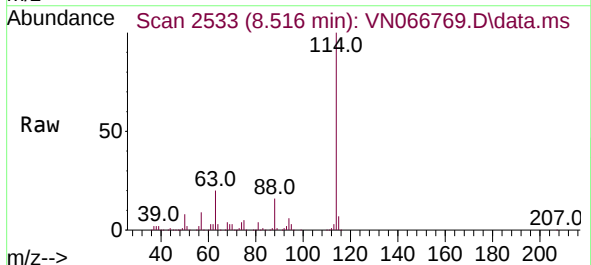
Instrument :
MSVOA_N
ClientSampled :

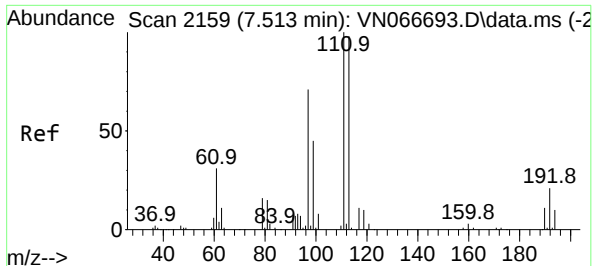
Tgt Ion: 65 Resp: 226776
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.516 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 114 Resp: 575461
Ion Ratio Lower Upper
114 100
63 20.5 0.0 38.6
88 15.7 0.0 30.6

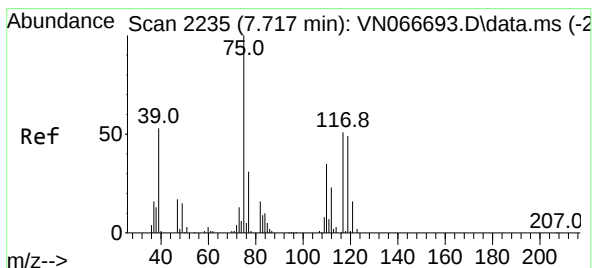
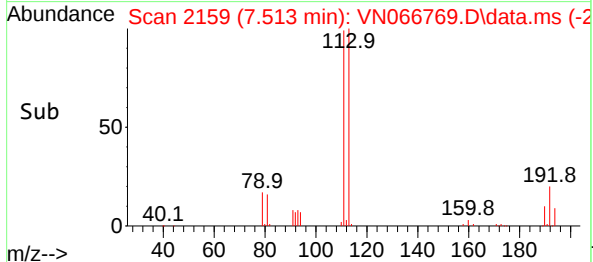
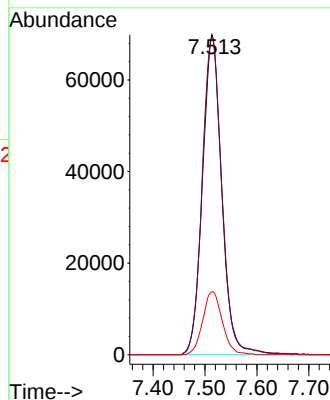
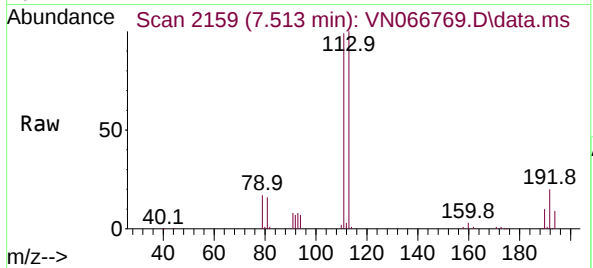




#35
Dibromofluoromethane
Concen: 49.85 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

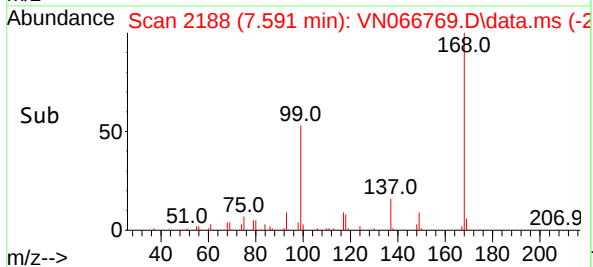
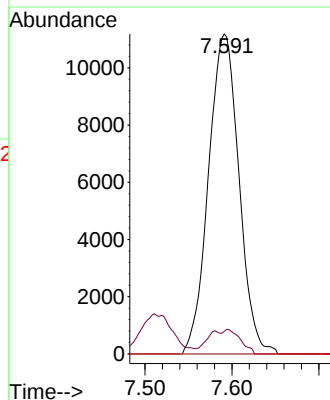
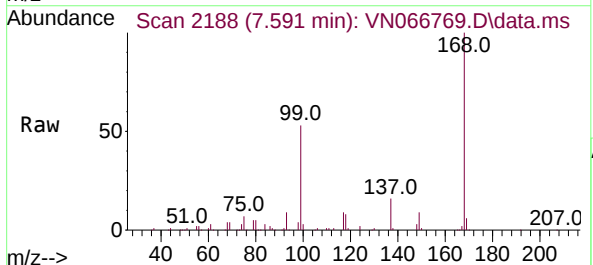
Instrument :
MSVOA_N
ClientSampleId :

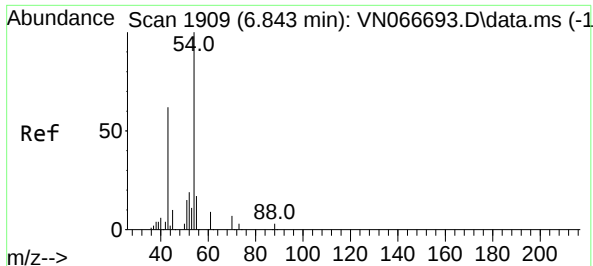
Tgt Ion:113 Resp: 179648
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 20.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 75 Resp: 27252
Ion Ratio Lower Upper
75 100
110 2.6 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.07 ug/l

RT: 6.754 min Scan# 1876

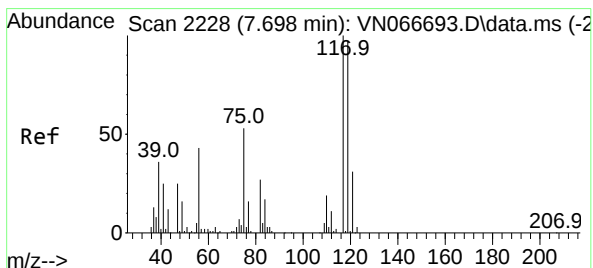
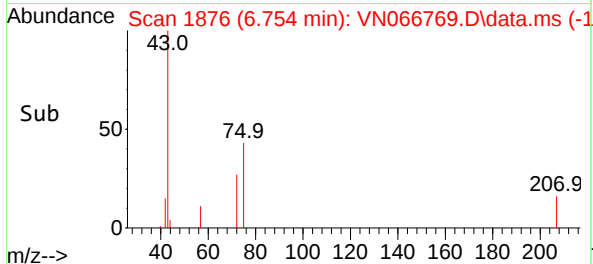
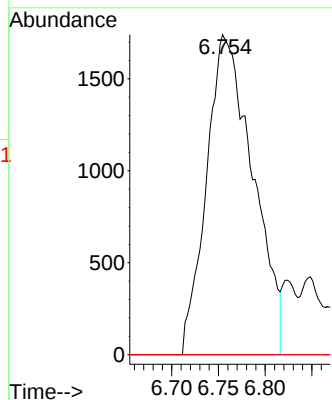
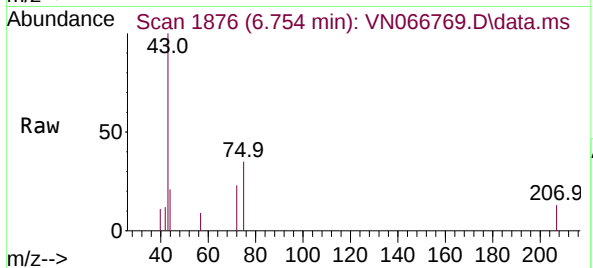
Delta R.T. -0.089 min

Lab File: VN066769.D

Acq: 26 Apr 2021 18:14

Tgt Ion:	43	Resp:	6019
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.53 ug/l

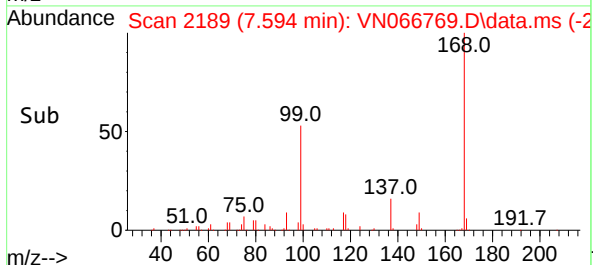
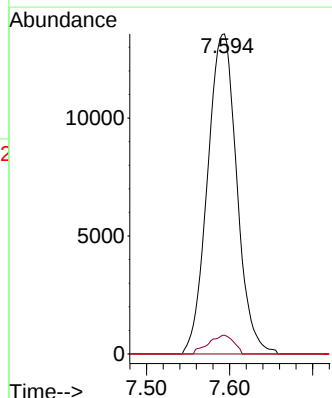
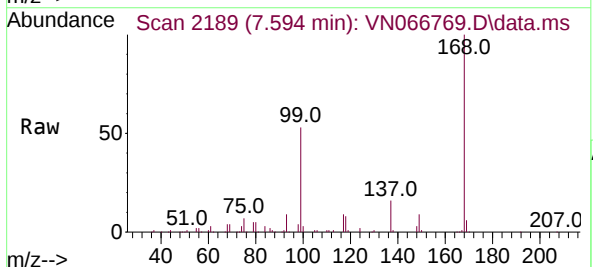
RT: 7.594 min Scan# 2189

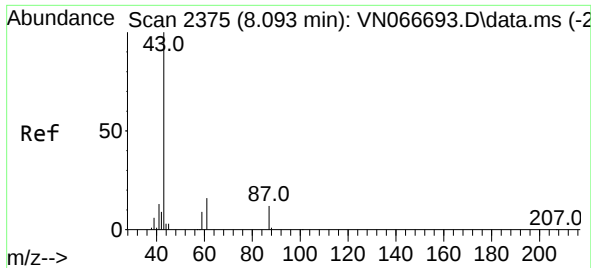
Delta R.T. -0.104 min

Lab File: VN066769.D

Acq: 26 Apr 2021 18:14

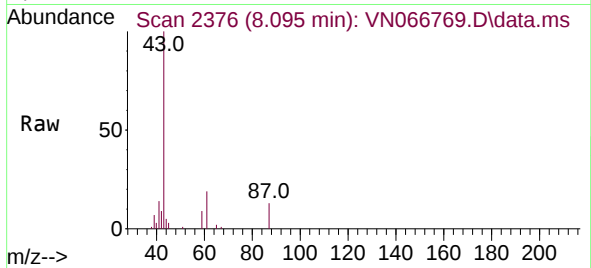
Tgt Ion:	117	Resp:	33250
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.0	114.0#
121	0.0	24.5	36.7#



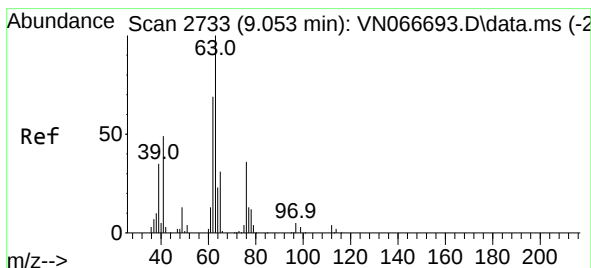
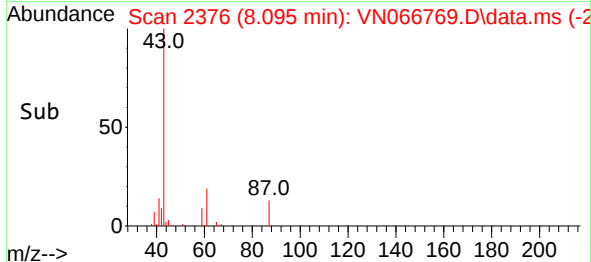
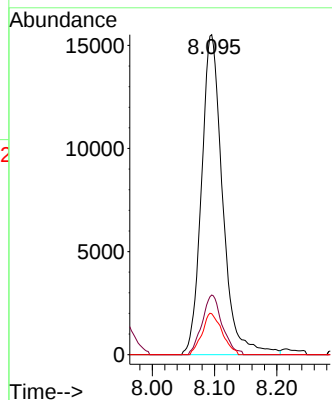


#43
Isopropyl Acetate
Concen: 4.07 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Instrument :
MSVOA_N
ClientSampled :

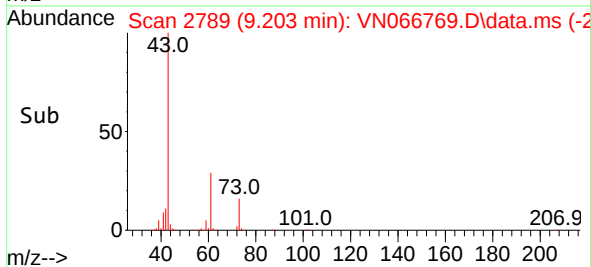
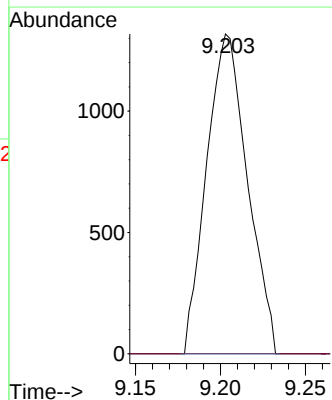
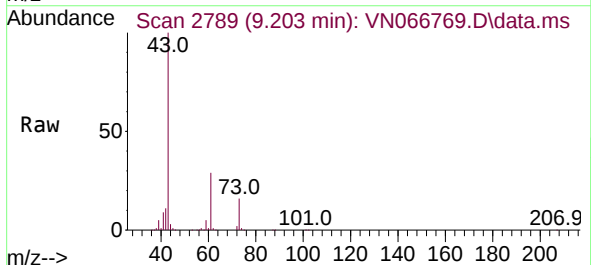


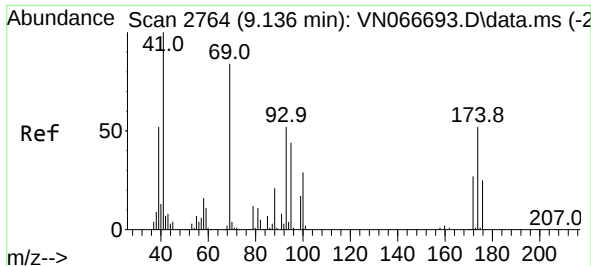
Tgt Ion: 43 Resp: 36531
Ion Ratio Lower Upper
43 100
61 17.7 22.5 33.7#
87 12.2 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

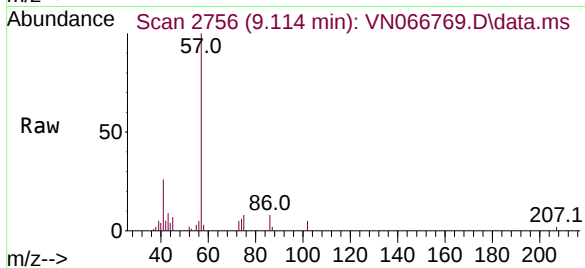
Tgt Ion: 63 Resp: 2203
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



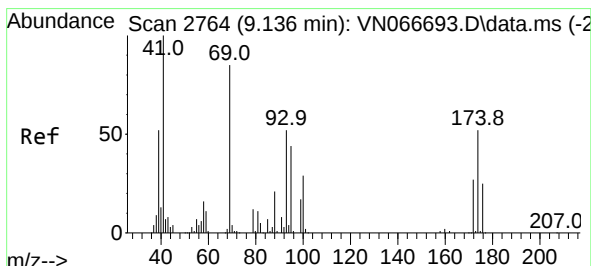
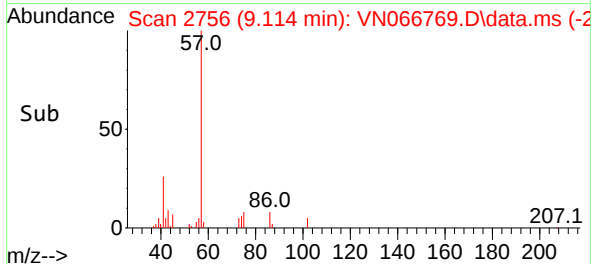
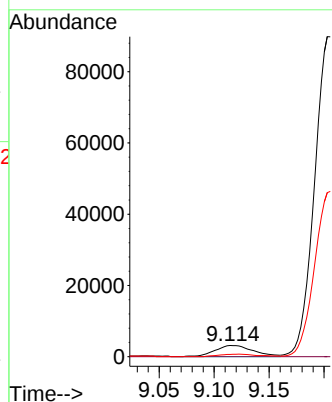


#48
Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Instrument :
MSVOA_N
ClientSampled :

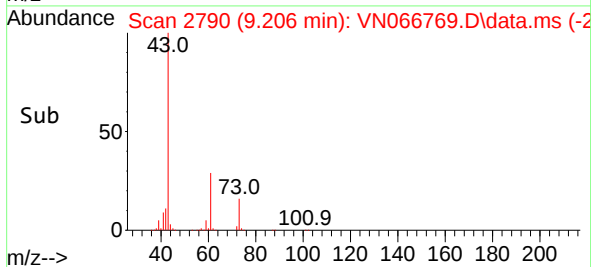
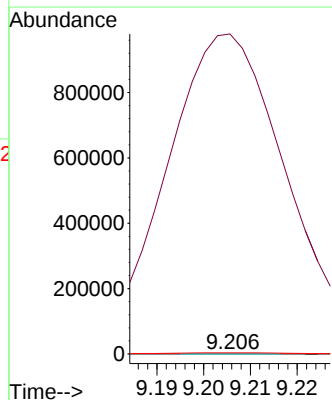
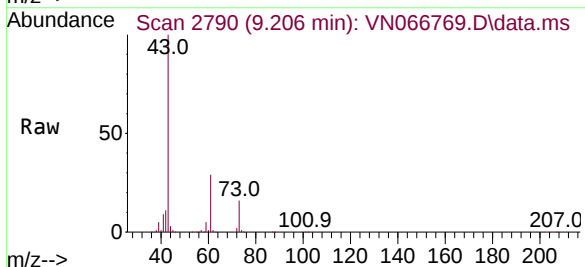


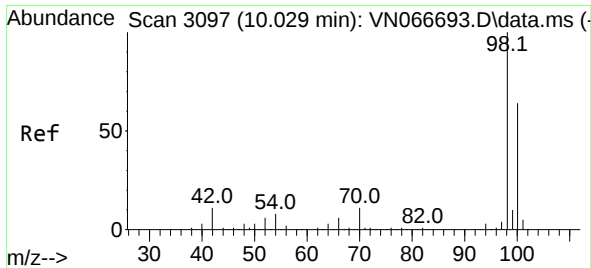
Tgt Ion: 41 Resp: 7685
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 3.19 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.070 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 1230461.8 24.7 37.1#
58 4632.2 52.6 78.8#

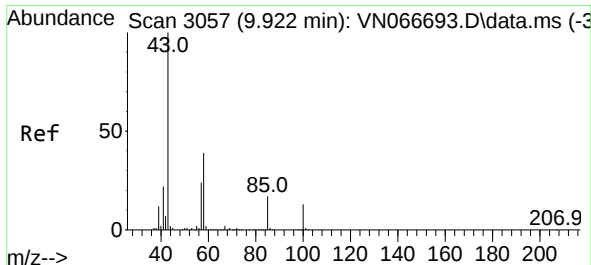
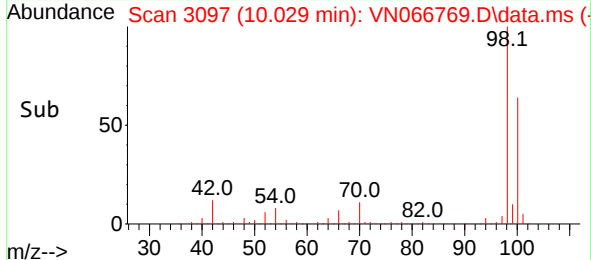
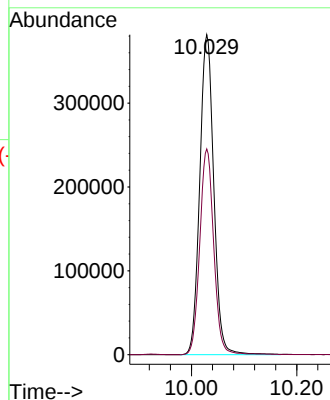
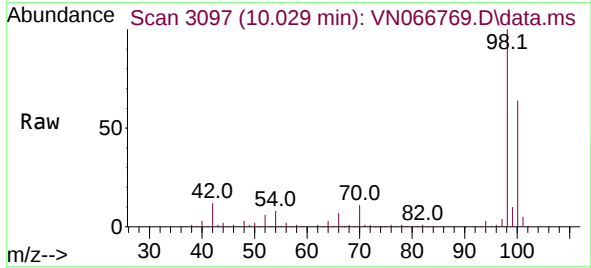




#50
Toluene-d8
Concen: 50.23 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

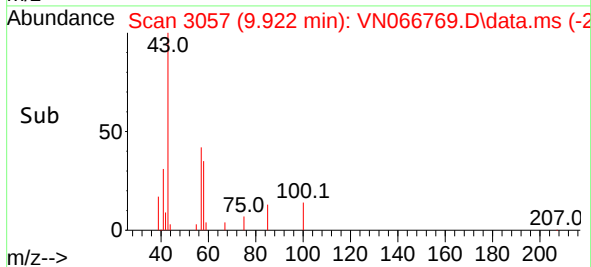
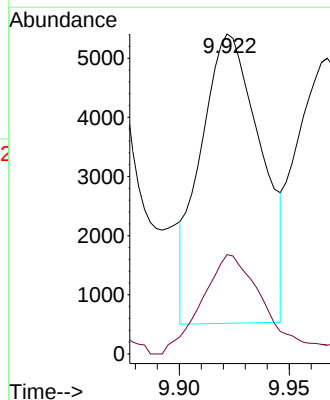
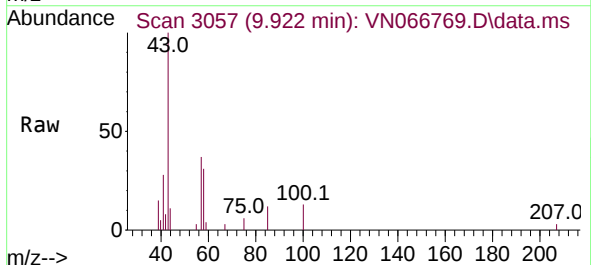
Instrument :
MSVOA_N
ClientSampled :

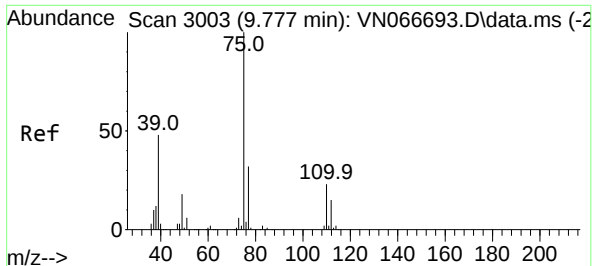
Tgt Ion: 98 Resp: 705856
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.85 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 43 Resp: 9300
Ion Ratio Lower Upper
43 100
58 35.8 32.5 48.7



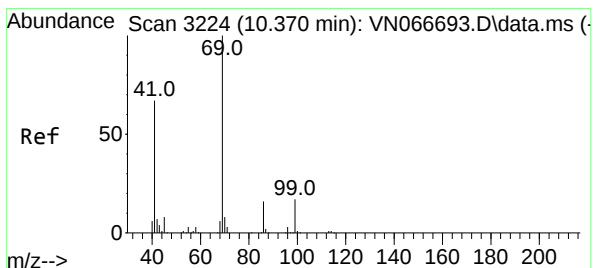
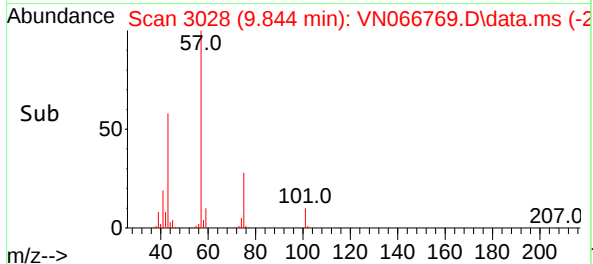
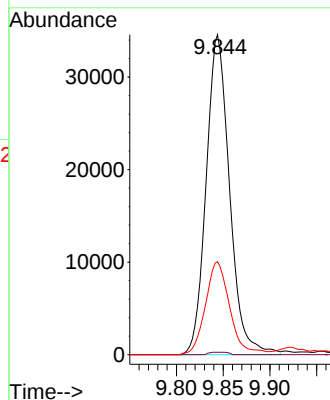
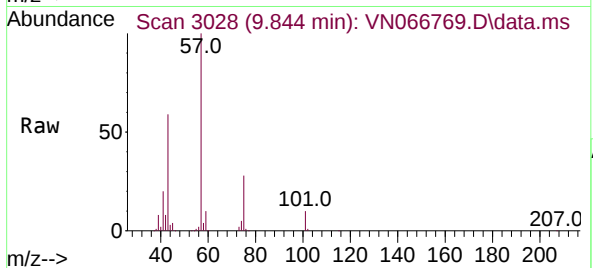


#54

cis-1,3-Dichloropropene
Concen: 8.73 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Instrument :
MSVOA_N
ClientSampled :

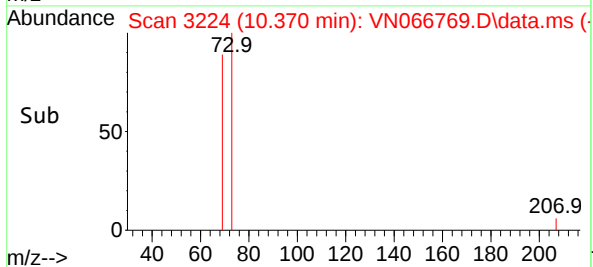
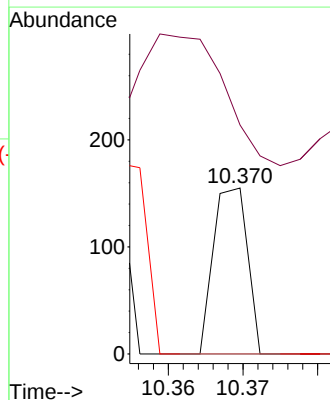
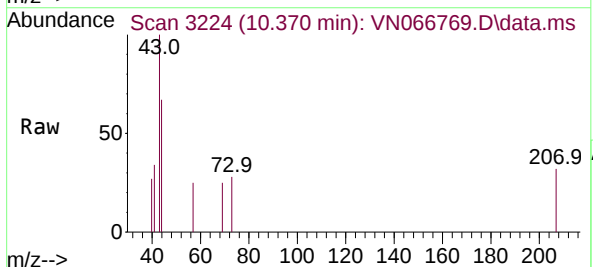
Tgt Ion: 75 Resp: 60343
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 29.0 36.2 54.4#

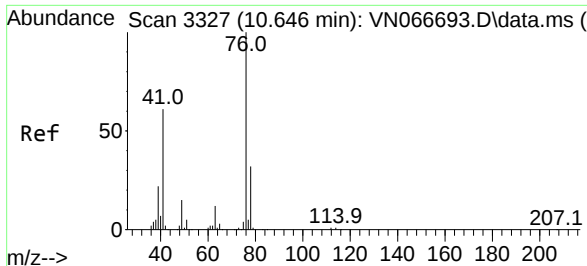


#56

Ethyl methacrylate
Concen: 3.16 ug/l
RT: 10.370 min Scan# 3224
Delta R.T. -0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 69 Resp: 49
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

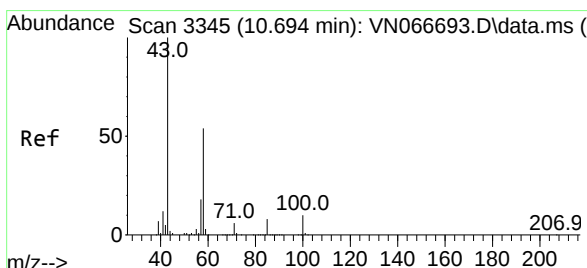
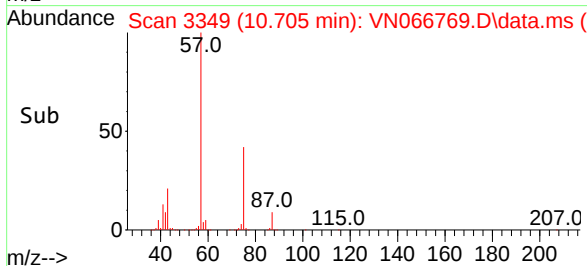
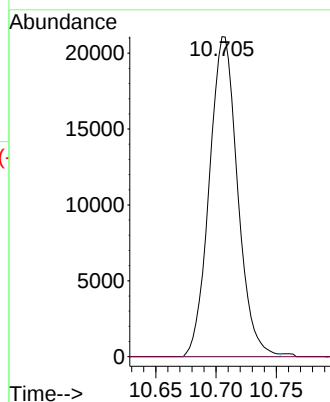
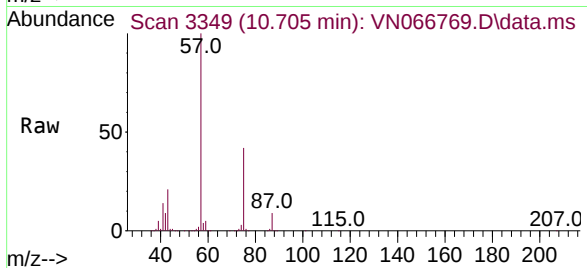




#57
1,3-Dichloropropane
Concen: 5.11 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

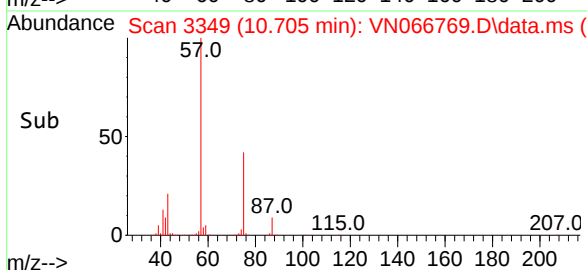
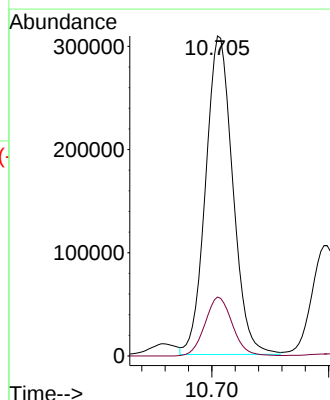
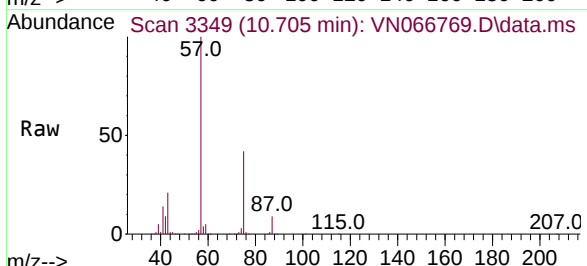
Instrument :
MSVOA_N
ClientSampleId :

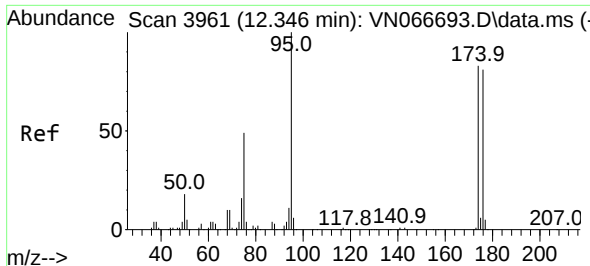
Tgt Ion: 76 Resp: 34433
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 139.96 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 43 Resp: 497763
Ion Ratio Lower Upper
43 100
58 18.8 28.1 84.3#

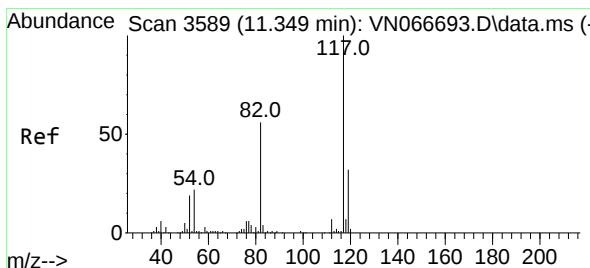
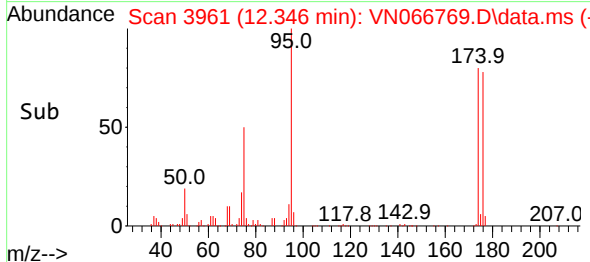
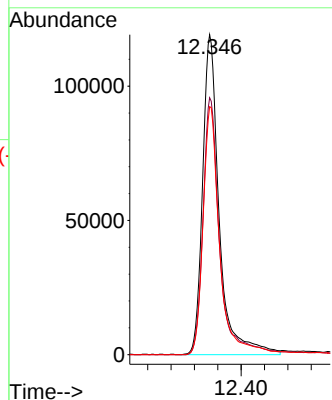
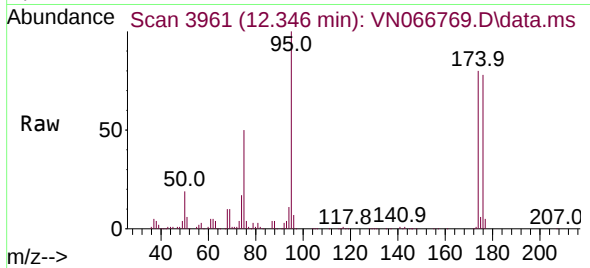




#62
4-Bromofluorobenzene
Concen: 48.91 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

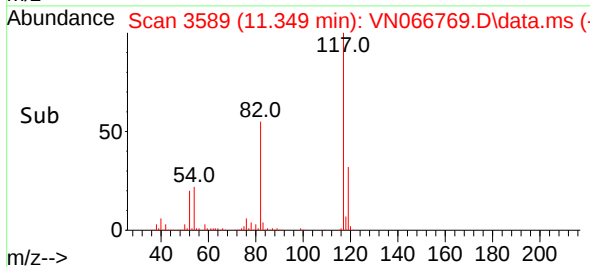
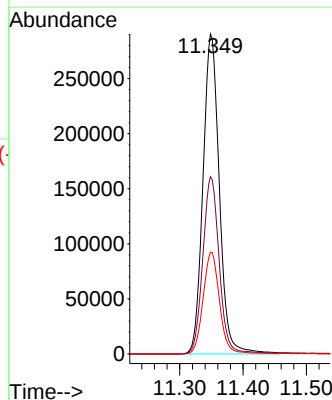
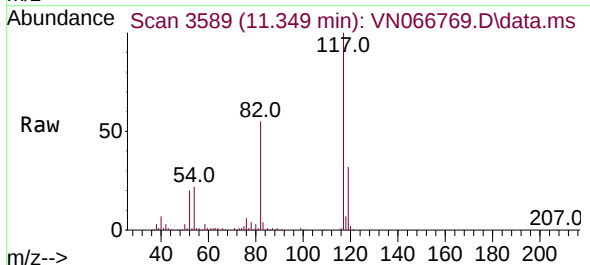
Instrument :
MSVOA_N
ClientSampleId :

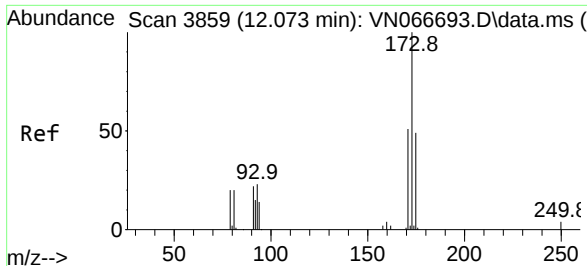
Tgt Ion: 95 Resp: 235381
Ion Ratio Lower Upper
95 100
174 80.3 0.0 169.0
176 78.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 117 Resp: 521546
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 31.8 26.1 39.1

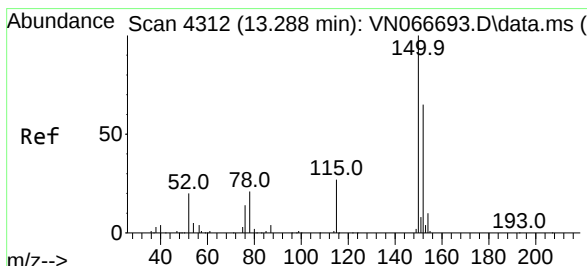
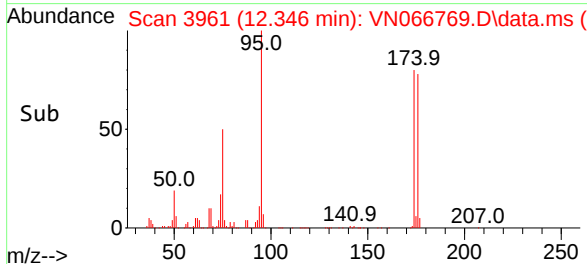
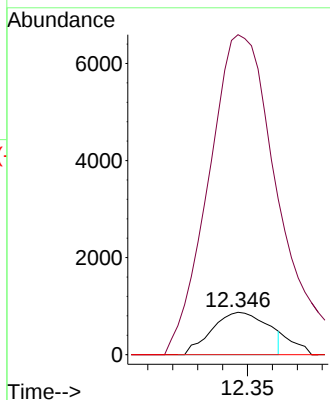
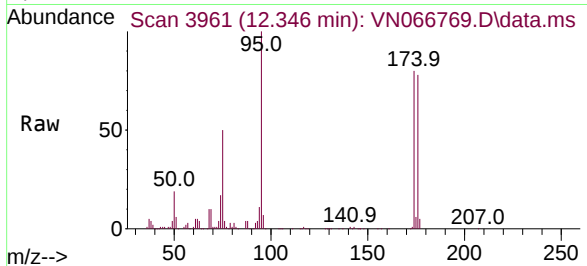




#71
Bromoform
Concen: 0.47 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

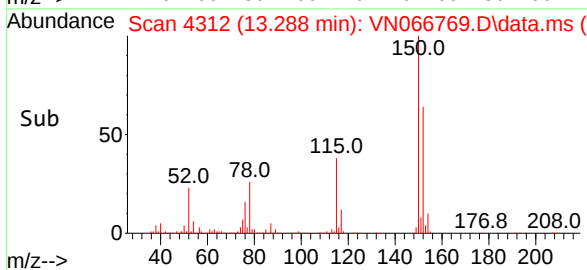
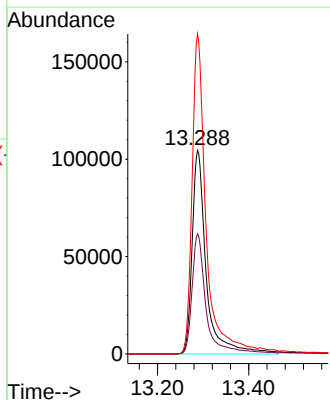
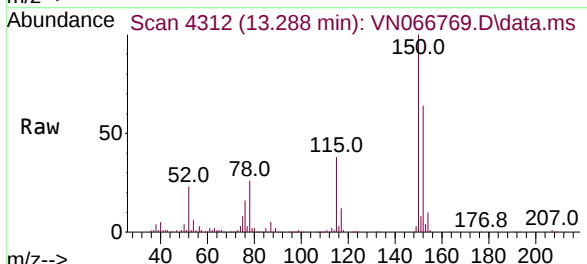
Instrument :
MSVOA_N
ClientSampleId :

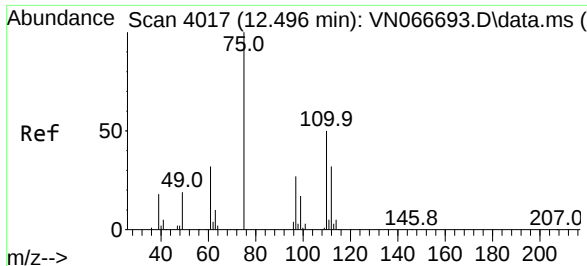
Tgt Ion:173 Resp: 1367
Ion Ratio Lower Upper
173 100
175 797.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion:152 Resp: 225746
Ion Ratio Lower Upper
152 100
115 59.0 28.5 85.6
150 153.8 0.0 347.6

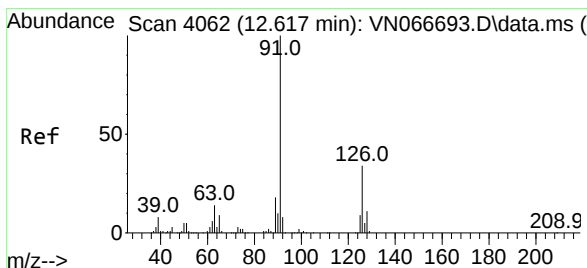
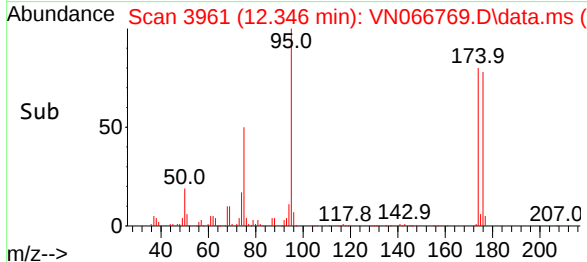
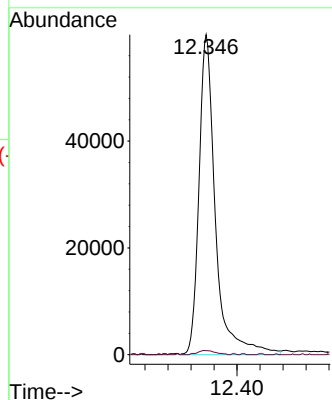
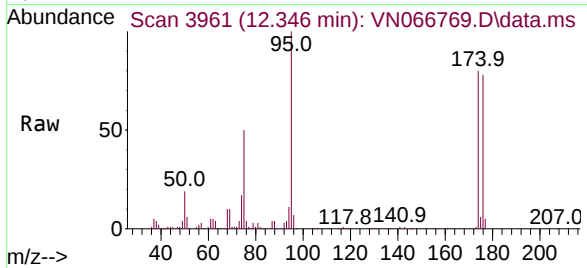




#76
1,2,3-Trichloropropane
Concen: 24.60 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

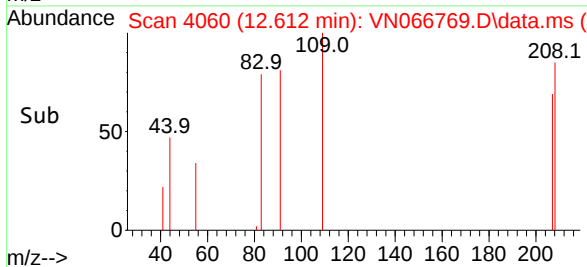
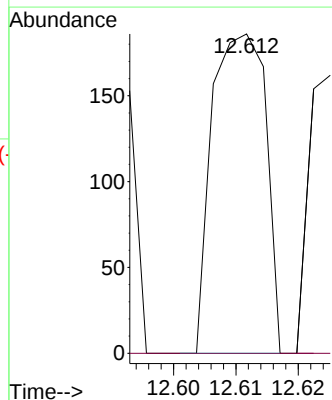
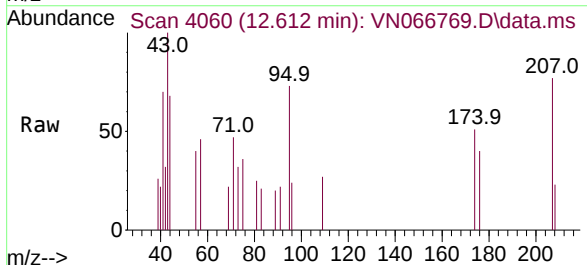
Instrument :
MSVOA_N
ClientSampled :

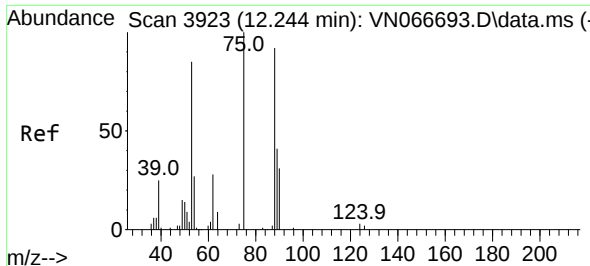
Tgt Ion: 75 Resp: 118850
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.612 min Scan# 4060
Delta R.T. -0.005 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

Tgt Ion: 91 Resp: 111
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

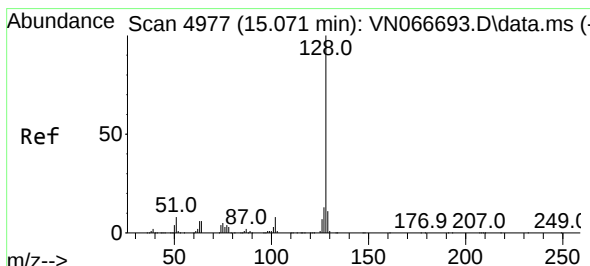
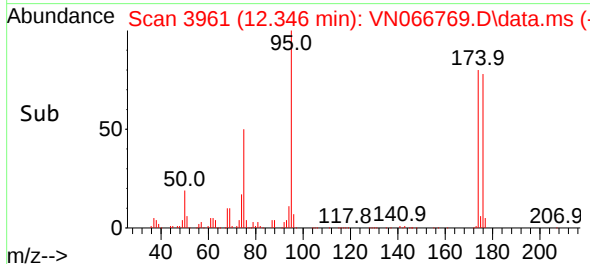
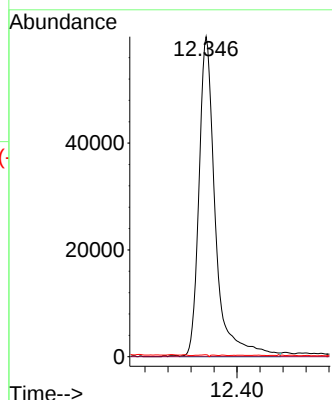
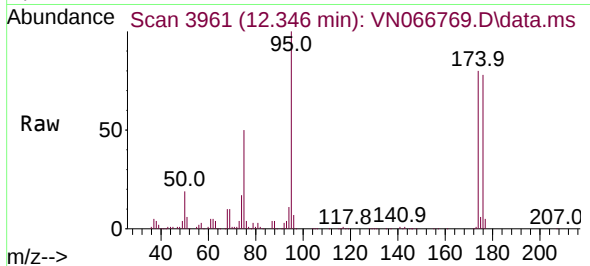




#81
trans-1,4-Dichloro-2-butene
Concen: 72.55 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

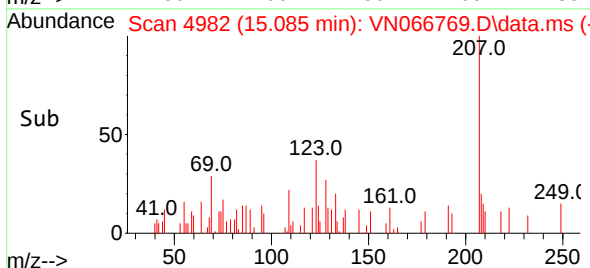
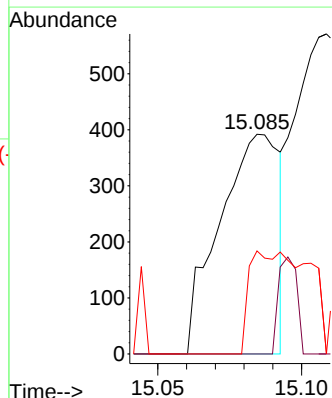
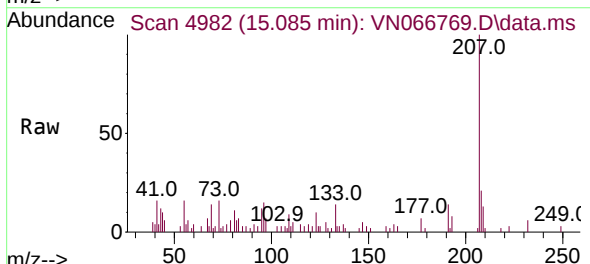
Instrument :
MSVOA_N
ClientSampled :

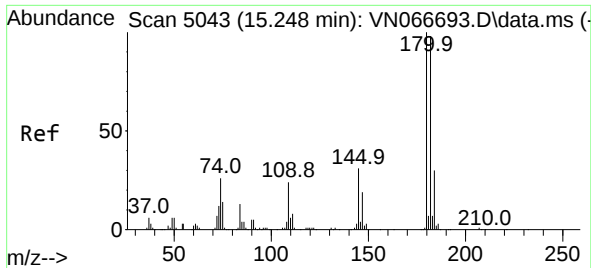
Tgt Ion: 75 Resp: 118850
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.4 35.8 53.8#



#95
Naphthalene
Concen: 1.90 ug/l
RT: 15.085 min Scan# 4982
Delta R.T. 0.014 min
Lab File: VN066769.D
Acq: 26 Apr 2021 18:14

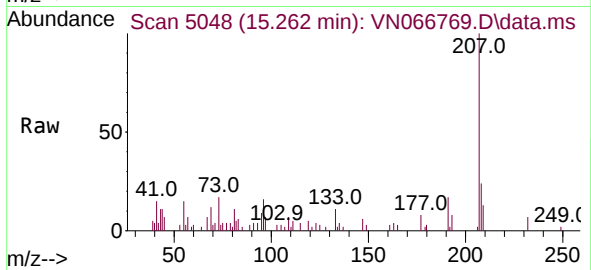
Tgt Ion: 128 Resp: 566
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 47.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.39 ug/l
 RT: 15.262 min Scan# 5048
 Delta R.T. 0.014 min
 Lab File: VN066769.D
 Acq: 26 Apr 2021 18:14

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	148
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.3#
145	122.3	16.5	49.5#

