

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066749.D
 Acq On : 23 Apr 2021 19:44
 Operator : JC/MD
 Sample : M2152-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:13:46 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)

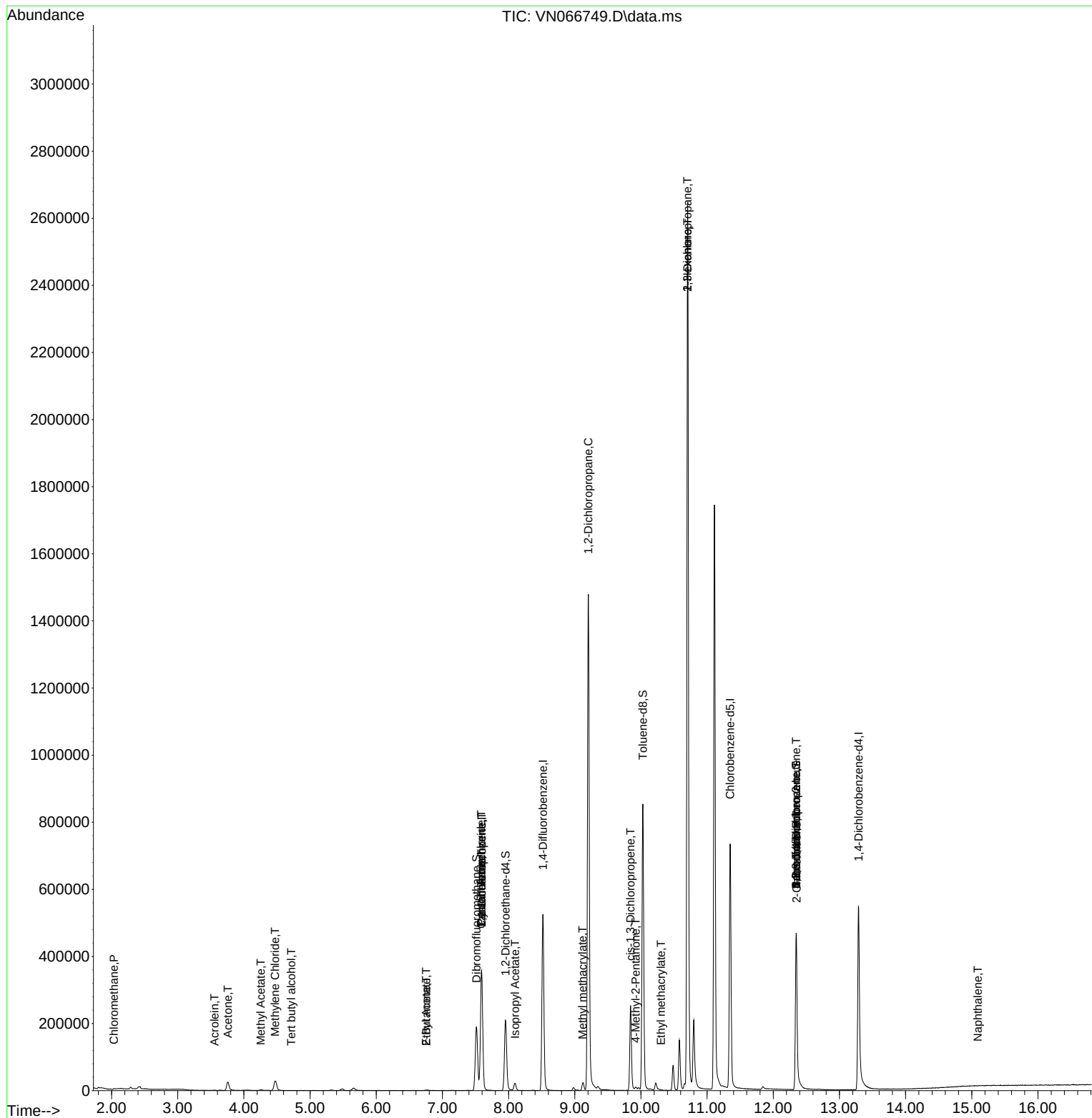
Internal Standards						
1) Pentafluorobenzene	7.591	168	315793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	485056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	448613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	192728	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	182137	47.21	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 94.42%			
35) Dibromofluoromethane	7.516	113	152050	50.06	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.12%			
50) Toluene-d8	10.029	98	603808	50.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.94%			
62) 4-Bromofluorobenzene	12.346	95	185676	45.77	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.54%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1090	0.21	ug/l	89
11) Tert butyl alcohol	4.716	59	133	0.27	ug/l #	73
13) Acrolein	3.555	56	610	1.13	ug/l #	78
16) Acetone	3.759	43	43813	30.34	ug/l	99
18) Methyl Acetate	4.255	43	4962	1.24	ug/l #	79
20) Methylene Chloride	4.472	84	22216	5.17	ug/l	98
25) 2-Butanone	6.754	43	3875	1.87	ug/l	98
31) Cyclohexane	7.591	56	5905	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	21543	4.78	ug/l #	47
37) Ethyl Acetate	6.754	43	3875	0.82	ug/l #	68
38) Carbon Tetrachloride	7.588	117	27426	6.39	ug/l #	17
43) Isopropyl Acetate	8.098	43	27175	3.59	ug/l #	90
45) 1,2-Dichloropropane	9.203	63	1762	0.45	ug/l #	44
48) Methyl methacrylate	9.117	41	6002	1.81	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	6876	1.62	ug/l	95
54) cis-1,3-Dichloropropene	9.844	75	48827	8.38	ug/l #	60
56) Ethyl methacrylate	10.303	69	192	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	27871	4.91	ug/l #	43
59) 2-Hexanone	10.705	43	380911	128.59	ug/l #	50
71) Bromoform	12.346	173	1136	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	88625	21.49	ug/l #	100
79) 2-Chlorotoluene	12.352	91	472	0.98	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	88625	64.07	ug/l #	12
95) Naphthalene	15.090	128	737	1.93	ug/l #	69

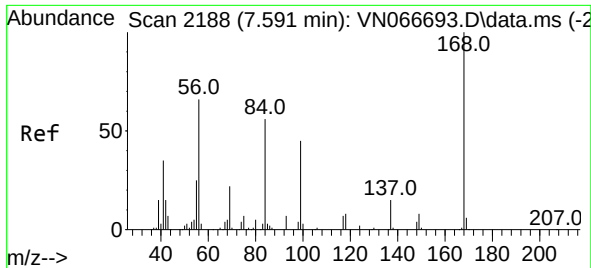
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 22 08:25:55 2021
Response via : Initial Calibration

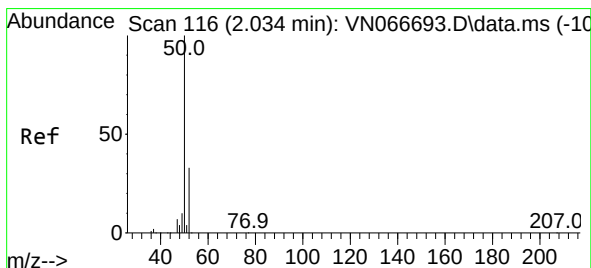
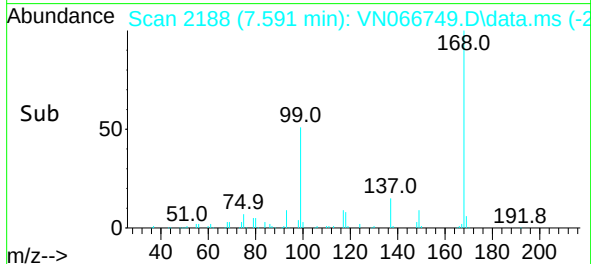
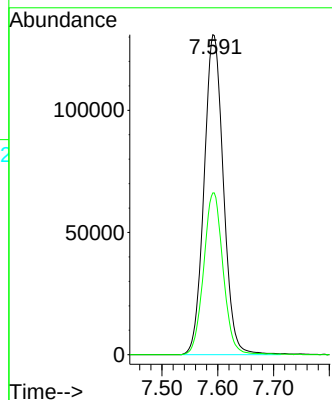
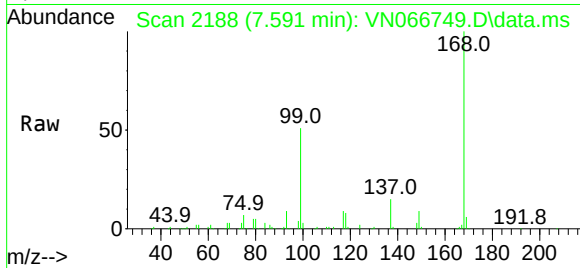




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

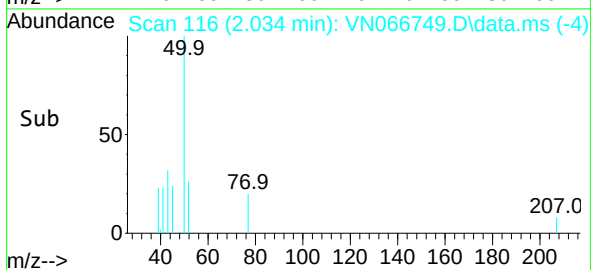
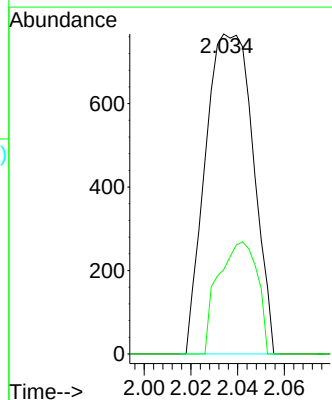
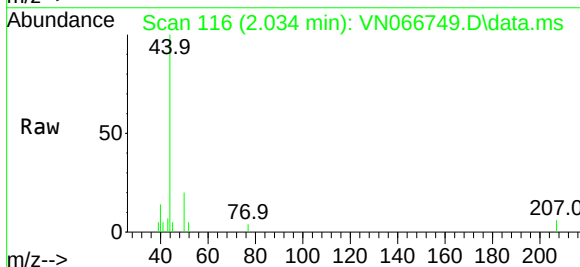
Instrument :
MSVOA_N
ClientSampled :

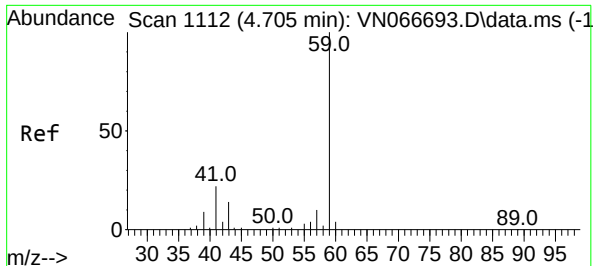
Tgt Ion:168 Resp: 315793
Ion Ratio Lower Upper
168 100
99 50.5 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 50 Resp: 1090
Ion Ratio Lower Upper
50 100
52 26.3 25.8 38.8



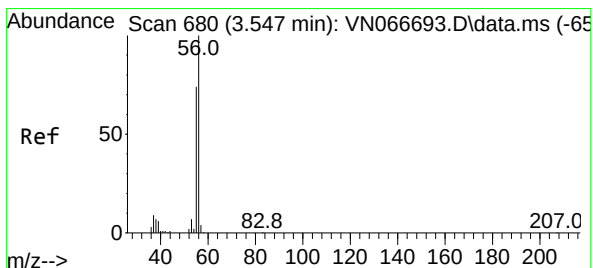
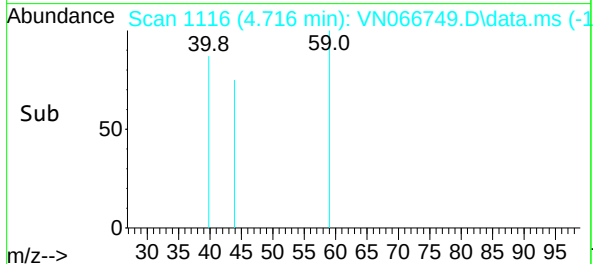
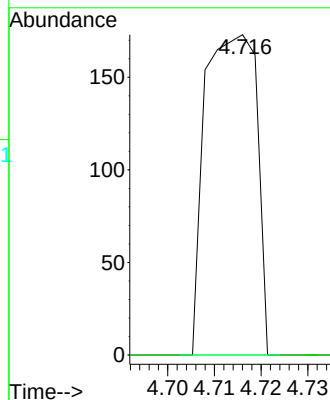
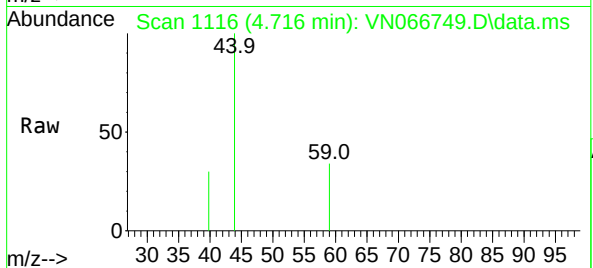


#11

Tert butyl alcohol
Concen: 0.27 ug/l
RT: 4.716 min Scan# 1116
Delta R.T. 0.011 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Instrument :
MSVOA_N
ClientSampled :

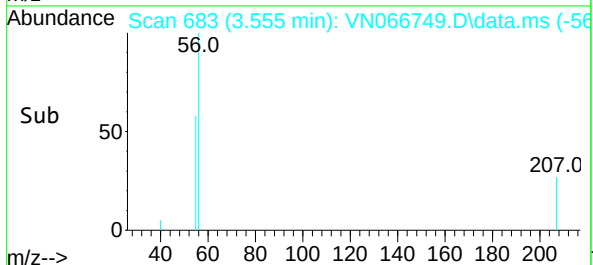
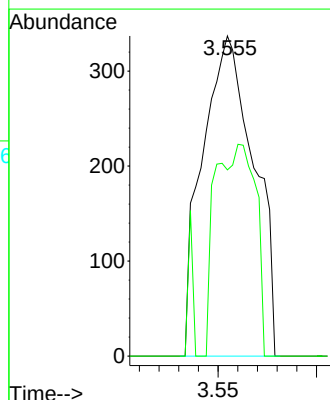
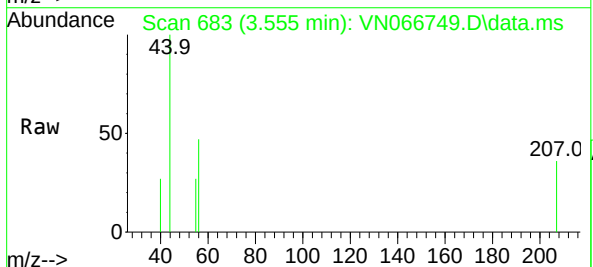
Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

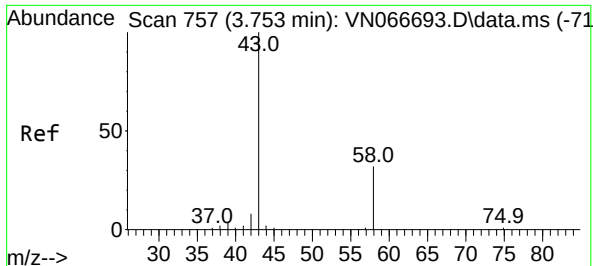


#13

Acrolein
Concen: 1.13 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 56 Resp: 610
Ion Ratio Lower Upper
56 100
55 52.3 56.0 84.0#

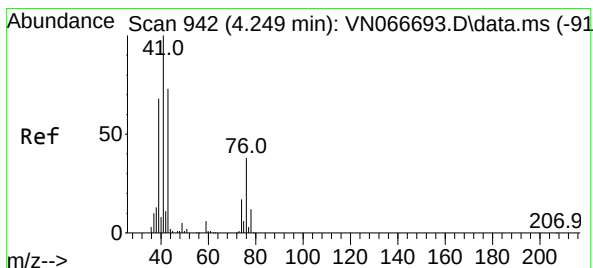
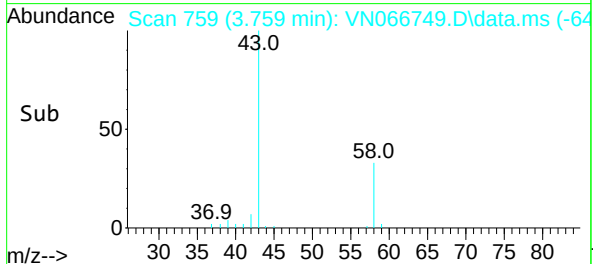
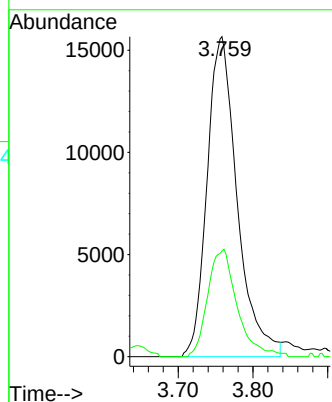
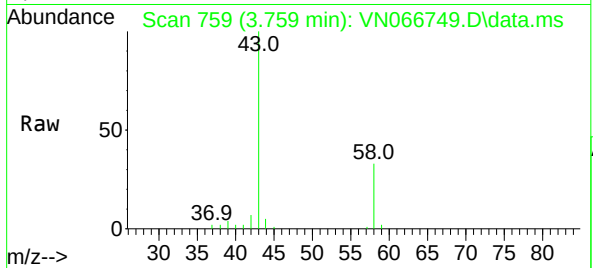




#16
Acetone
Concen: 30.34 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

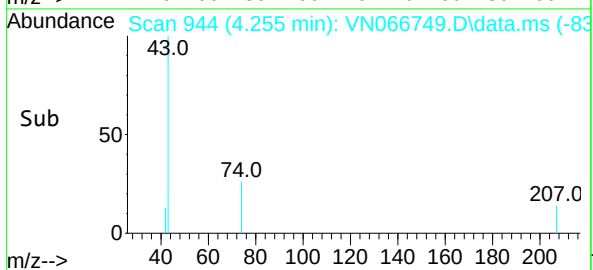
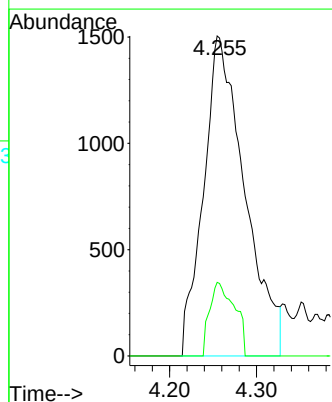
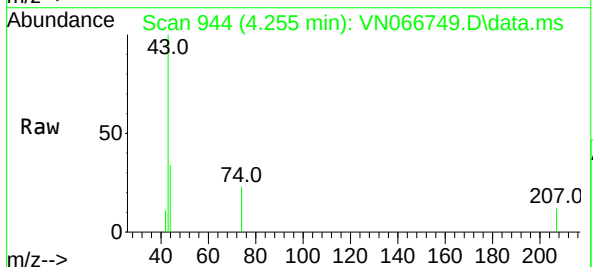
Instrument :
MSVOA_N
ClientSampled :

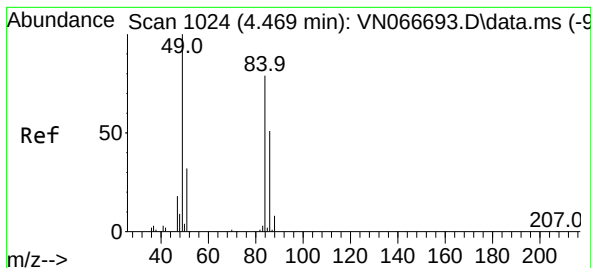
Tgt Ion: 43 Resp: 43813
Ion Ratio Lower Upper
43 100
58 33.0 27.0 40.6



#18
Methyl Acetate
Concen: 1.24 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
74 13.9 19.5 29.3#





#20

Methylene Chloride

Concen: 5.17 ug/l

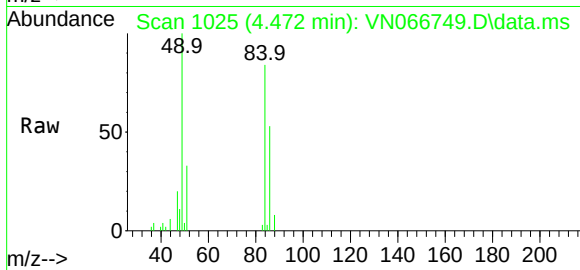
RT: 4.472 min Scan# 1025

Delta R.T. 0.003 min

Lab File: VN066749.D

Acq: 23 Apr 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 22216

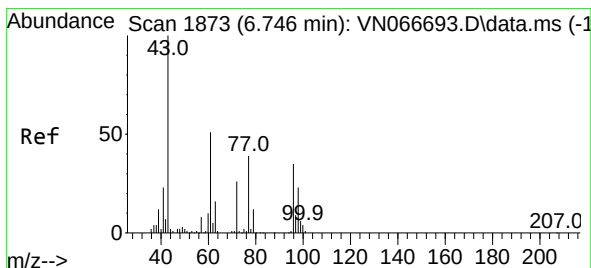
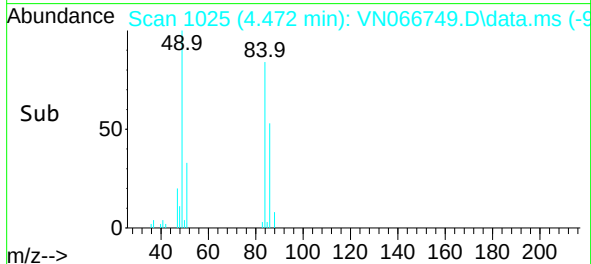
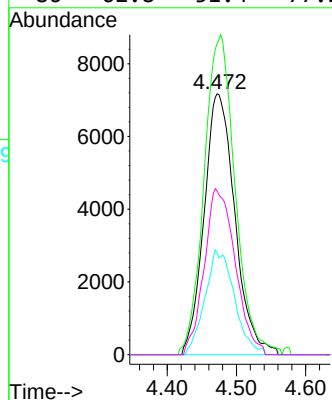
Ion Ratio Lower Upper

84 100

49 117.0 94.6 141.8

51 39.1 29.9 44.9

86 62.8 51.4 77.2



#25

2-Butanone

Concen: 1.87 ug/l

RT: 6.754 min Scan# 1876

Delta R.T. 0.008 min

Lab File: VN066749.D

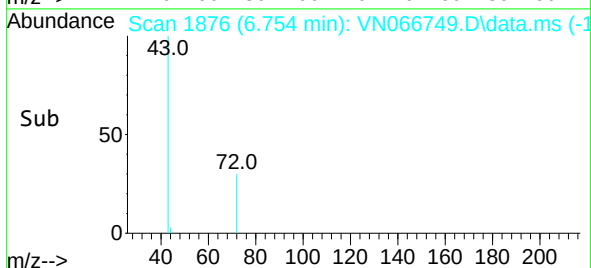
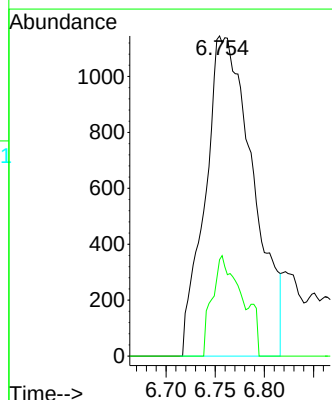
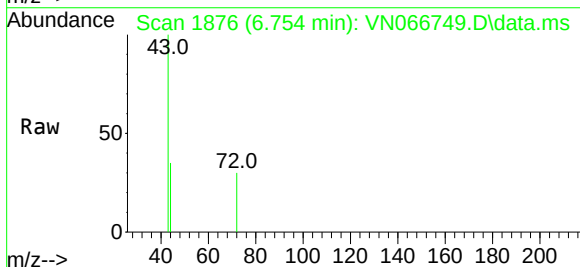
Acq: 23 Apr 2021 19:44

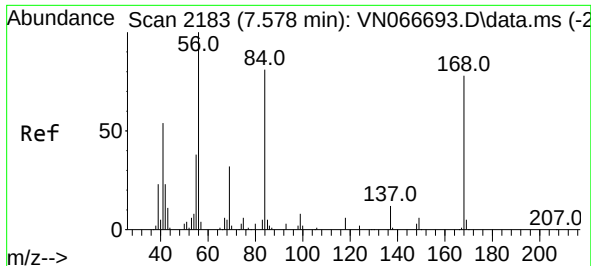
Tgt Ion: 43 Resp: 3875

Ion Ratio Lower Upper

43 100

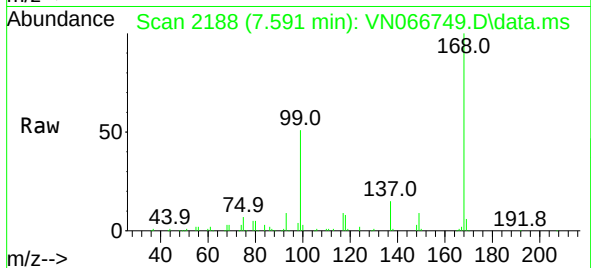
72 30.1 23.1 34.7



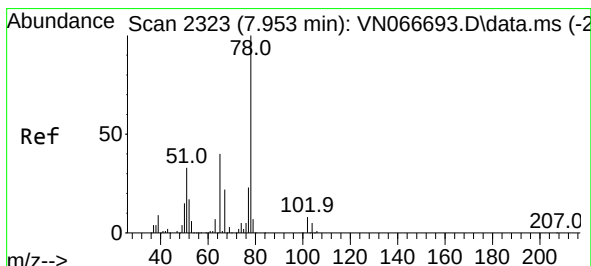
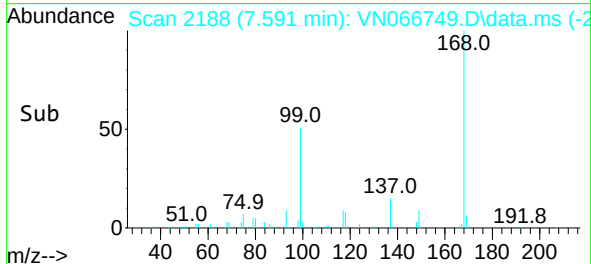
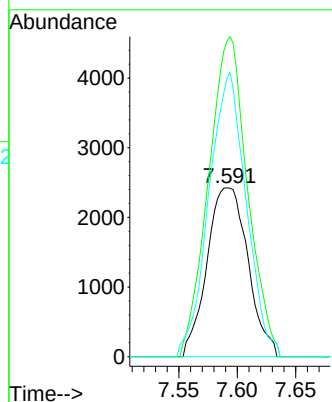


#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :

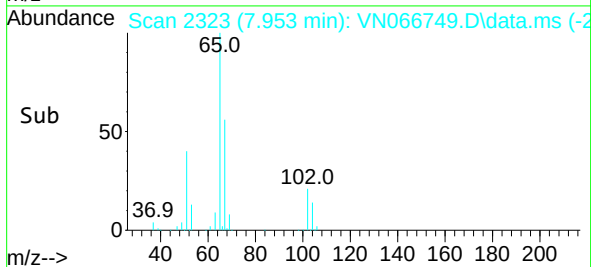
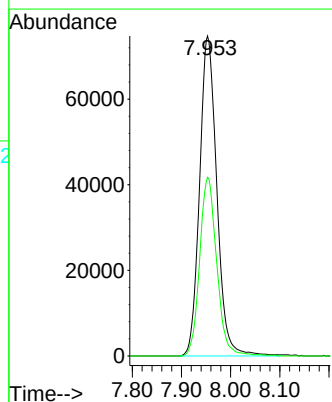
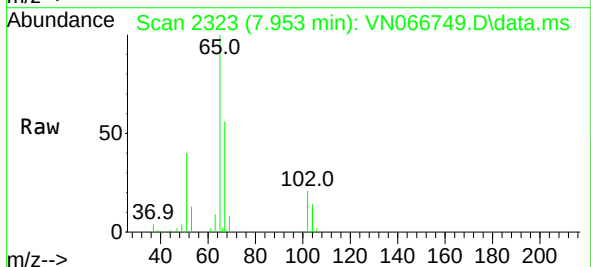


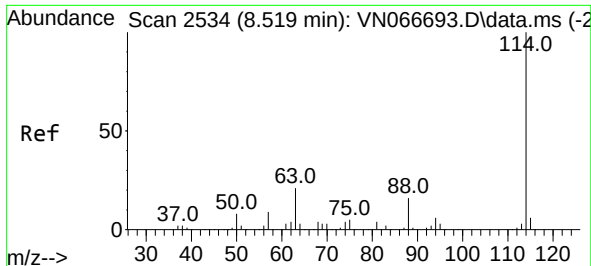
Tgt Ion: 56 Resp: 5905
Ion Ratio Lower Upper
56 100
69 187.0 26.6 39.8#
84 164.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 47.21 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 65 Resp: 182137
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2

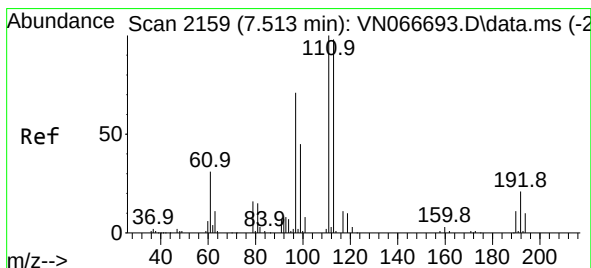
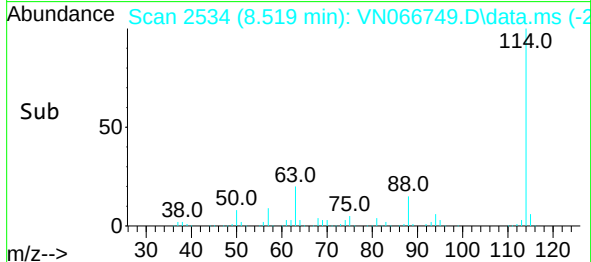
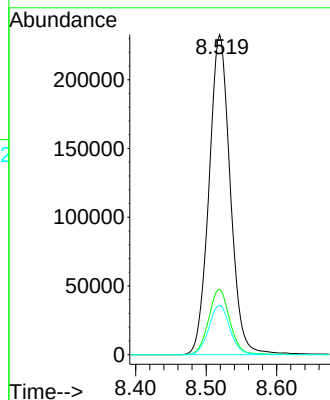
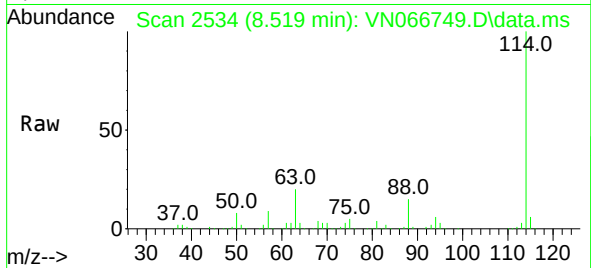




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

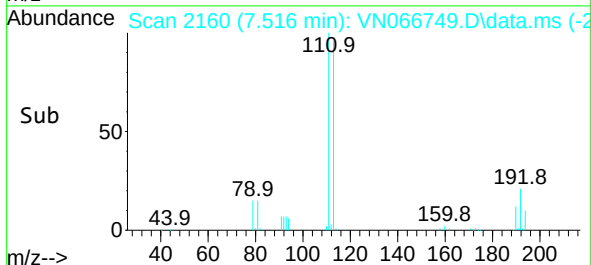
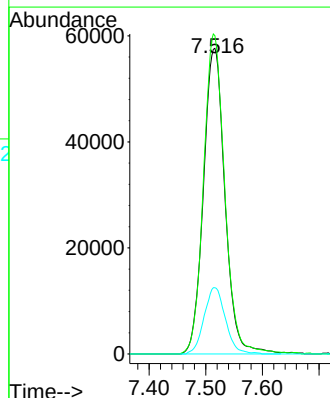
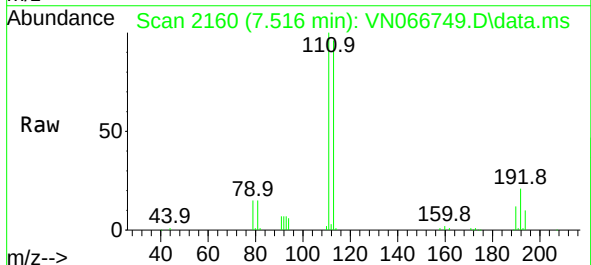
Instrument :
MSVOA_N
ClientSampled :

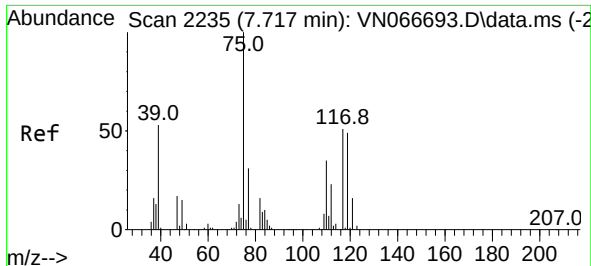
Tgt Ion:114 Resp: 485056
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.6
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.06 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

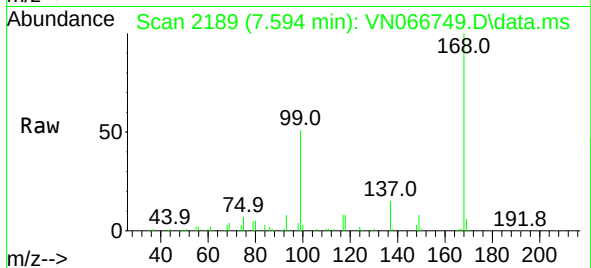
Tgt Ion:113 Resp: 152050
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 21.4 15.4 23.0



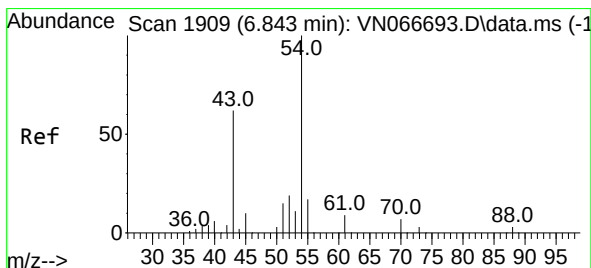
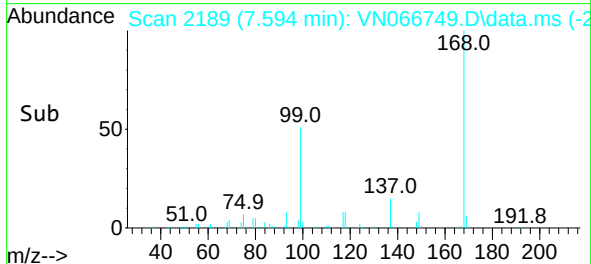
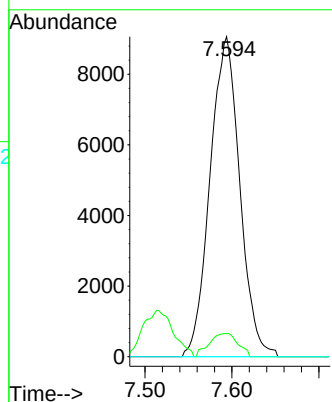


#36
1,1-Dichloropropene
Concen: 4.78 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :

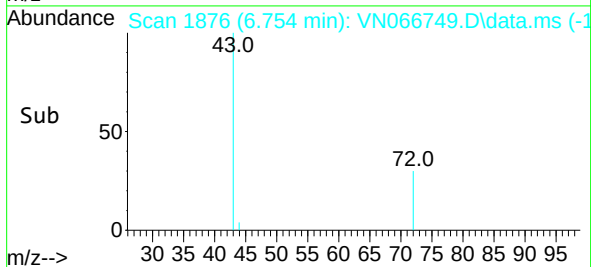
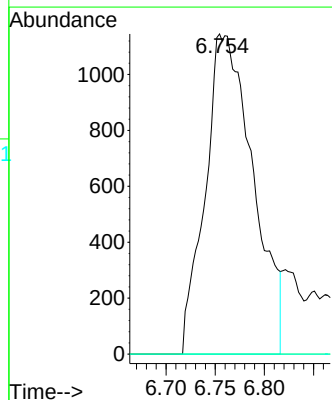
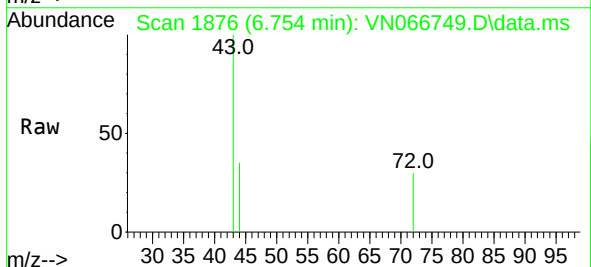


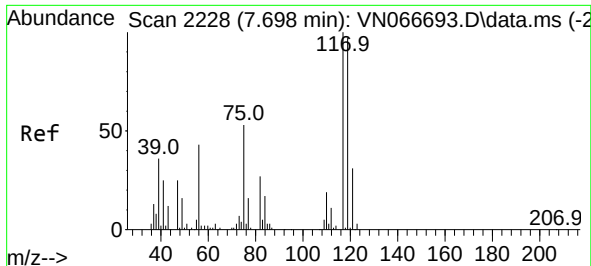
Tgt Ion: 75 Resp: 21543
Ion Ratio Lower Upper
75 100
110 7.0 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.82 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. -0.089 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

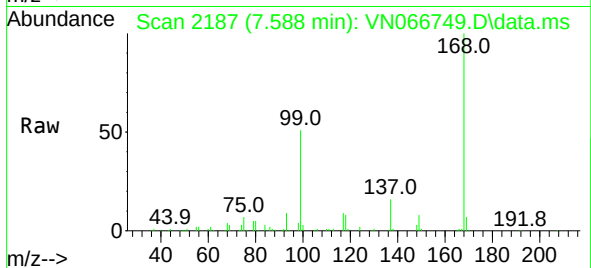
Tgt Ion: 43 Resp: 3875
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



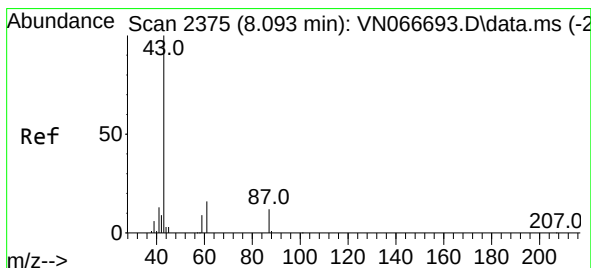
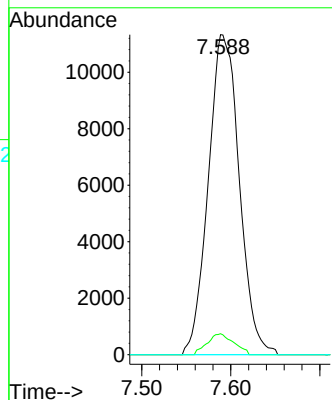
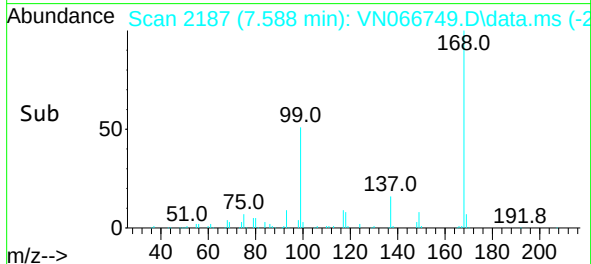


#38
Carbon Tetrachloride
Concen: 6.39 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.110 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

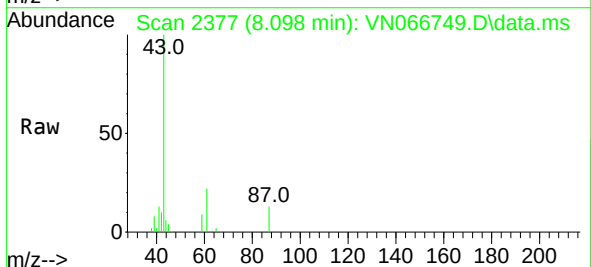
Instrument :
MSVOA_N
ClientSampled :



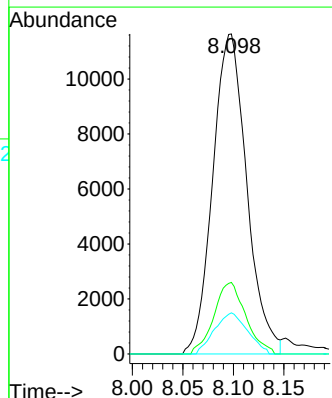
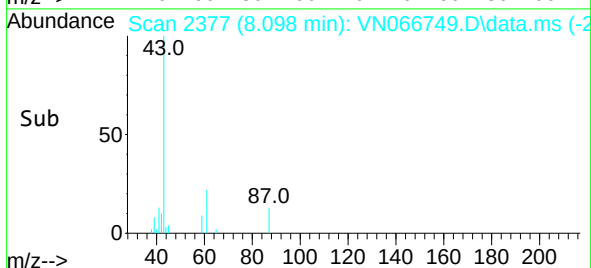
Tgt Ion: 117 Resp: 27426
Ion Ratio Lower Upper
117 100
119 6.6 76.0 114.0#
121 0.0 24.5 36.7#

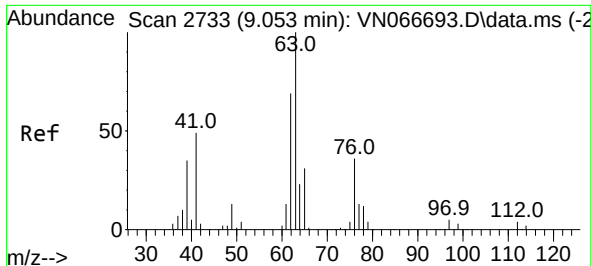


#43
Isopropyl Acetate
Concen: 3.59 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.005 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44



Tgt Ion: 43 Resp: 27175
Ion Ratio Lower Upper
43 100
61 21.0 22.5 33.7#
87 12.5 11.1 16.7



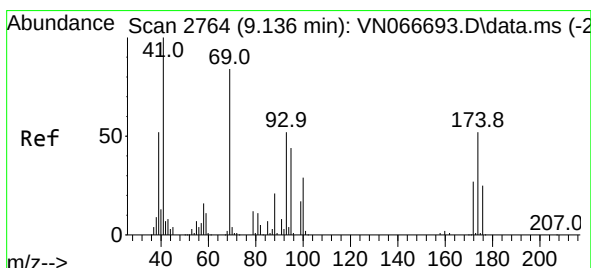
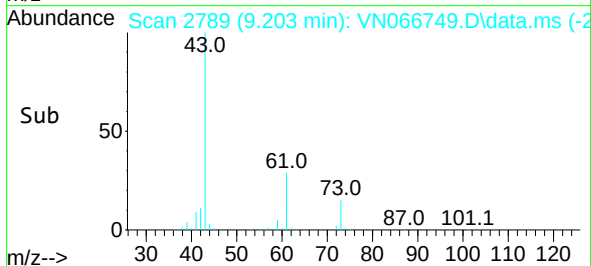
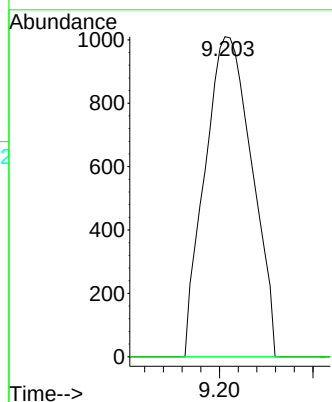
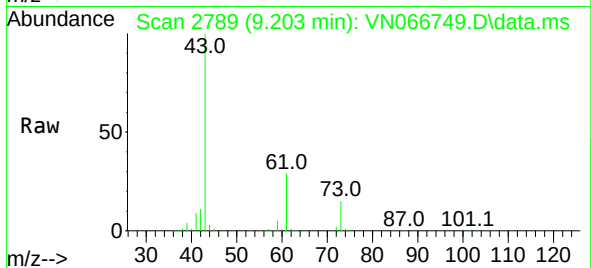


#45

1,2-Dichloropropane
Concen: 0.45 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Instrument :
MSVOA_N
ClientSampled :

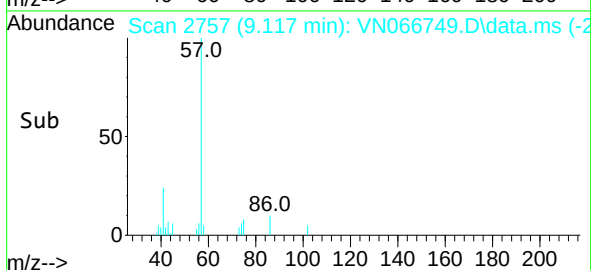
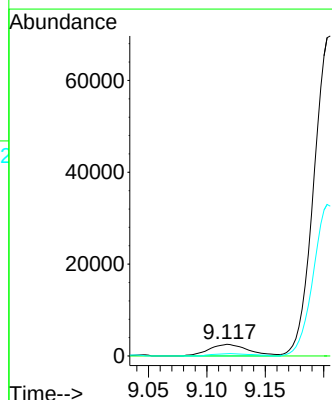
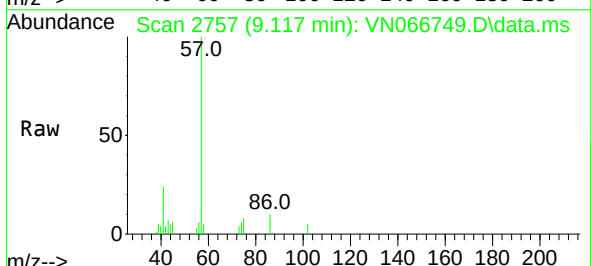
Tgt Ion: 63 Resp: 1762
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

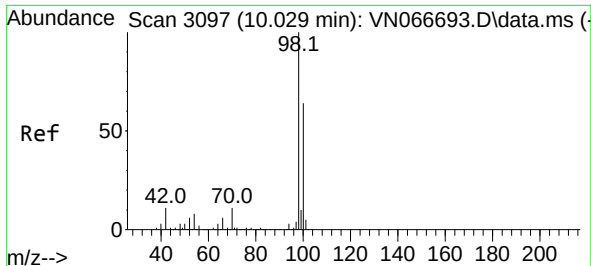


#48

Methyl methacrylate
Concen: 1.81 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 41 Resp: 6002
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

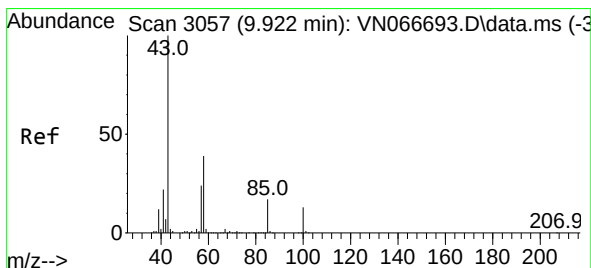
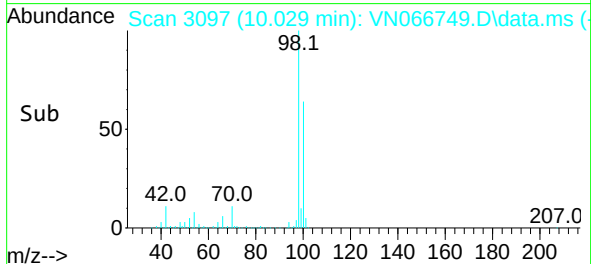
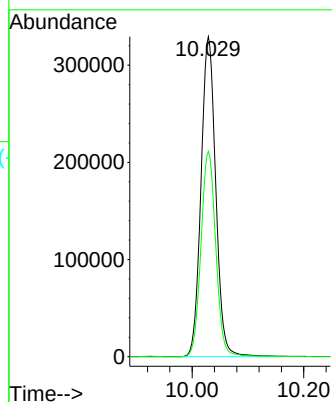
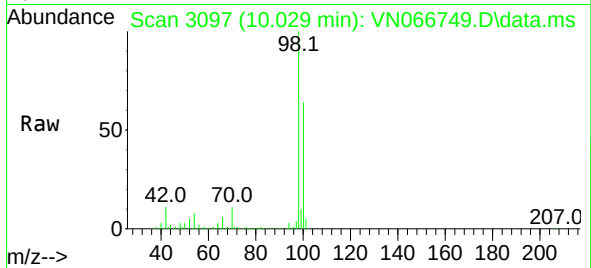




#50
Toluene-d8
Concen: 50.97 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

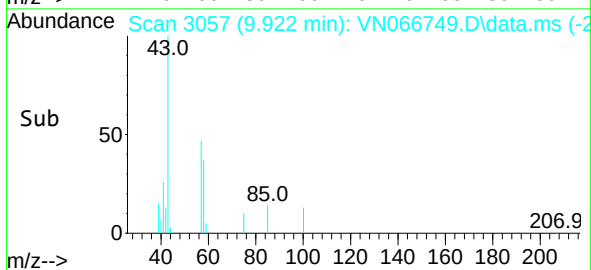
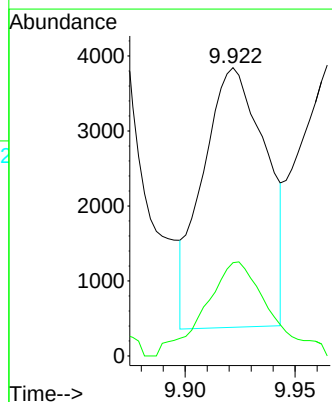
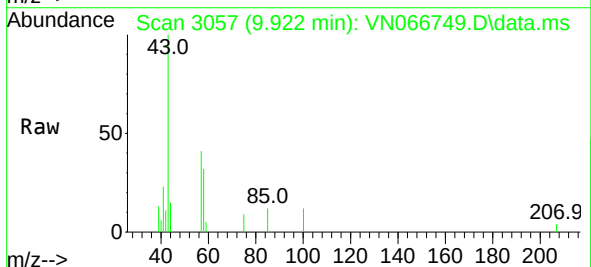
Instrument :
MSVOA_N
ClientSampleId :

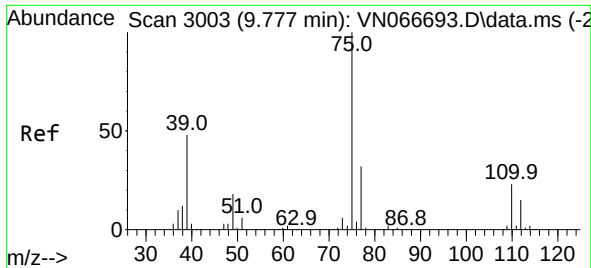
Tgt Ion: 98 Resp: 603808
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 43 Resp: 6876
Ion Ratio Lower Upper
43 100
58 37.2 32.5 48.7

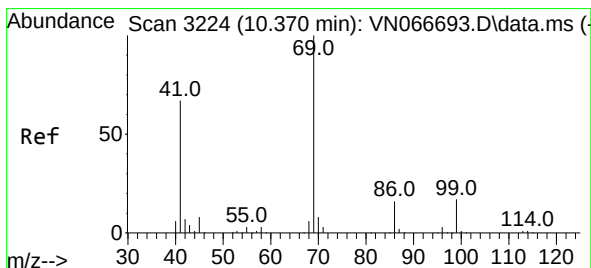
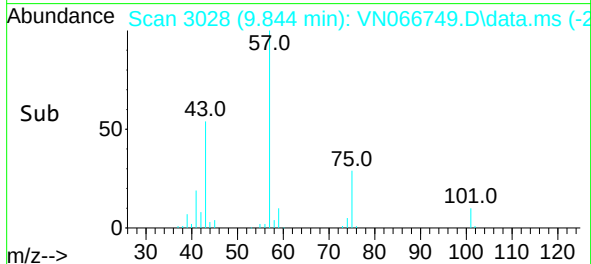
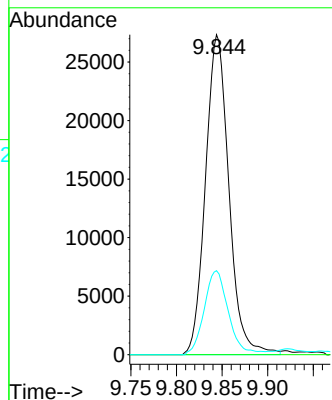
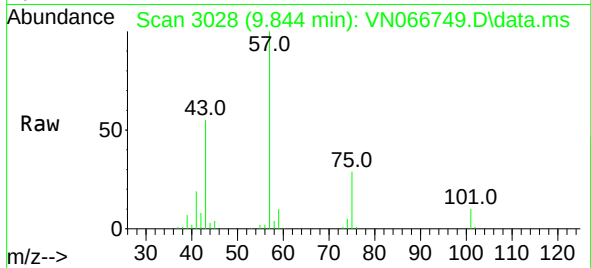




#54
 cis-1,3-Dichloropropene
 Concen: 8.38 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066749.D
 Acq: 23 Apr 2021 19:44

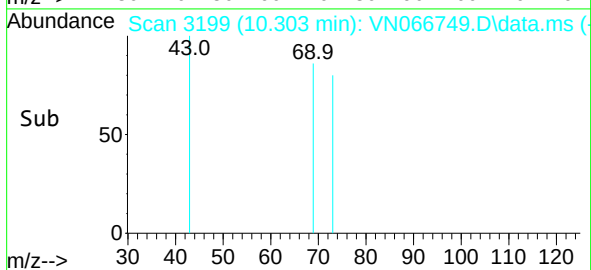
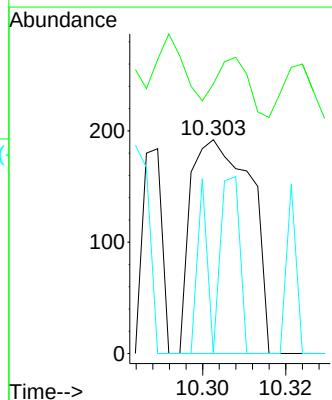
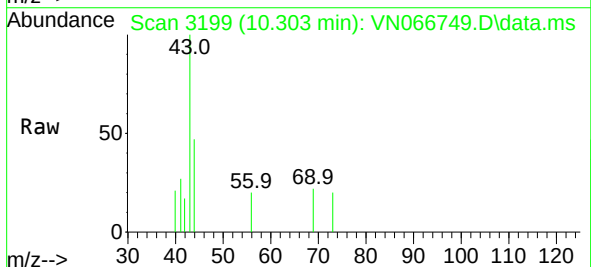
Instrument :
 MSVOA_N
 ClientSampleId :

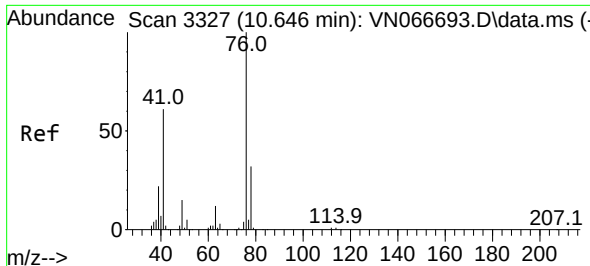
Tgt Ion: 75 Resp: 48827
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 26.2 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.18 ug/l
 RT: 10.303 min Scan# 3199
 Delta R.T. -0.067 min
 Lab File: VN066749.D
 Acq: 23 Apr 2021 19:44

Tgt Ion: 69 Resp: 192
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

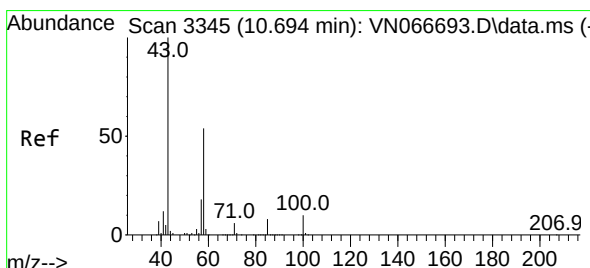
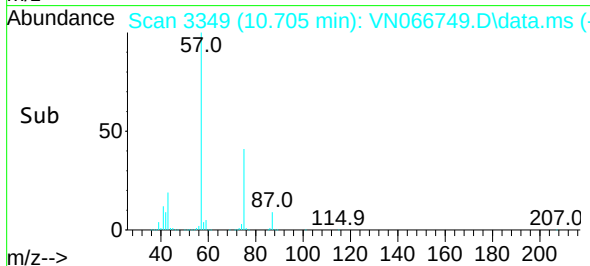
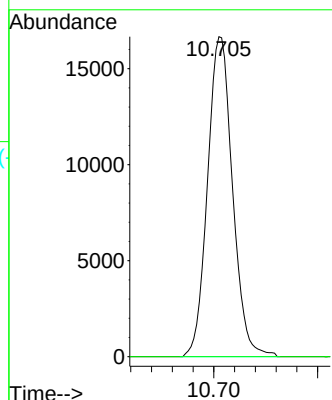
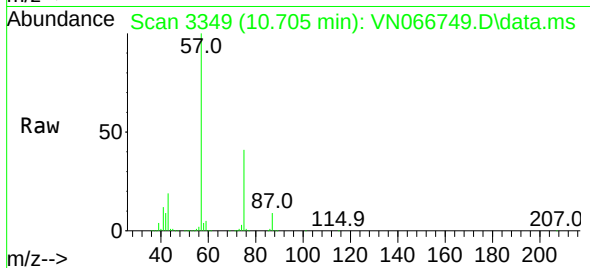




#57
1,3-Dichloropropane
Concen: 4.91 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

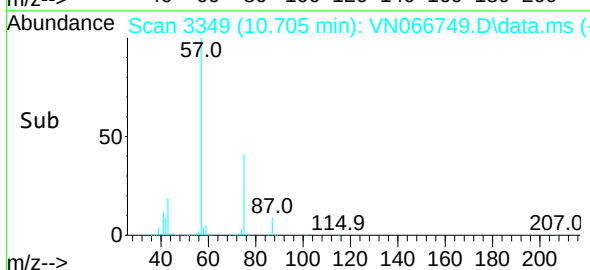
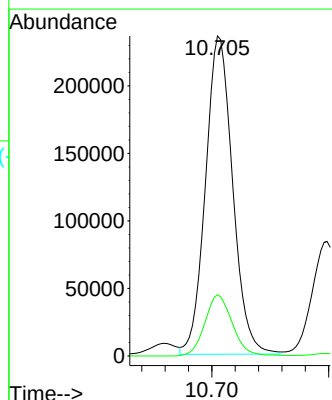
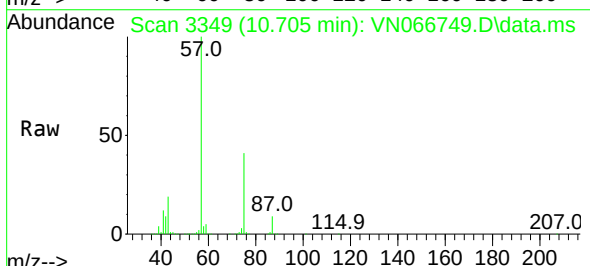
Instrument :
MSVOA_N
ClientSampleId :

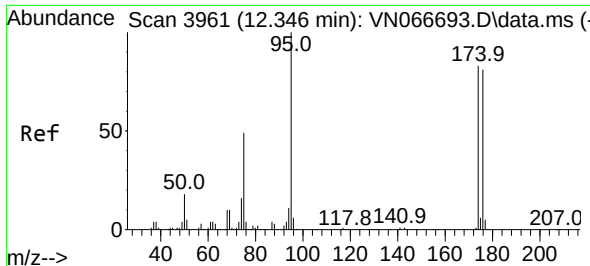
Tgt Ion: 76 Resp: 27871
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 128.59 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 43 Resp: 380911
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#

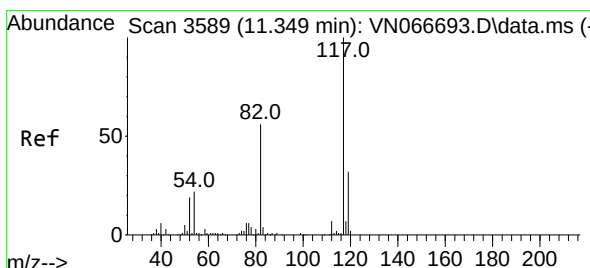
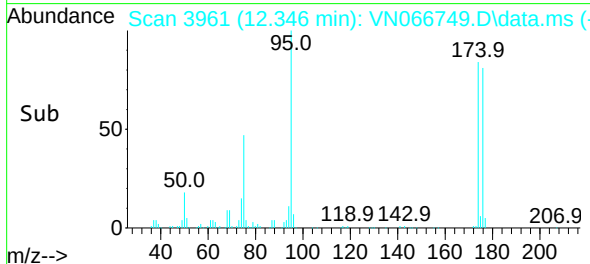
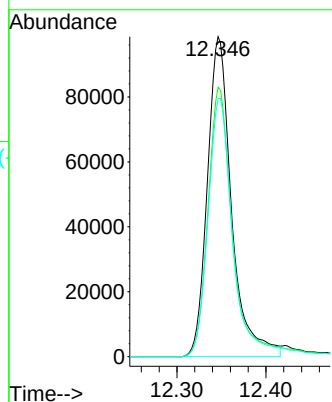
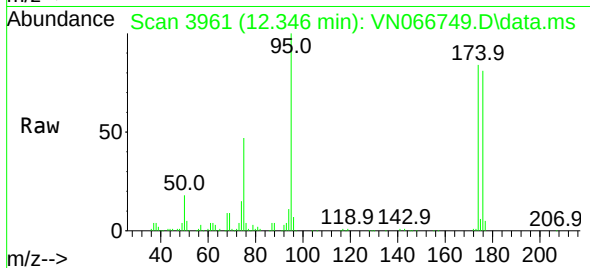




#62
4-Bromofluorobenzene
Concen: 45.77 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

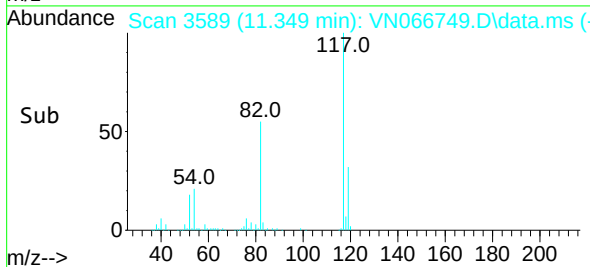
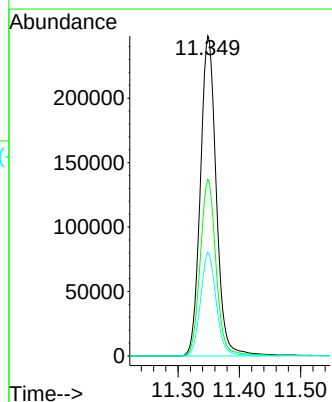
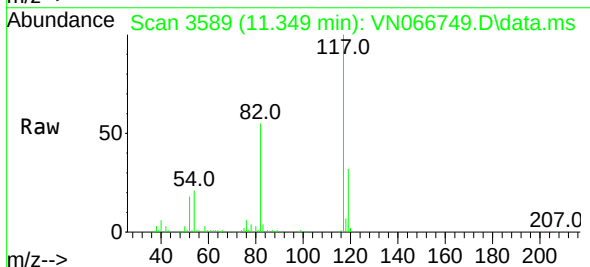
Instrument :
MSVOA_N
ClientSampleId :

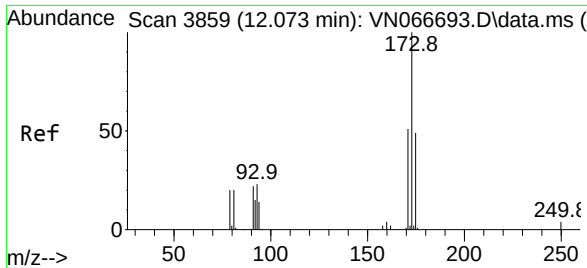
Tgt Ion: 95 Resp: 185676
Ion Ratio Lower Upper
95 100
174 88.1 0.0 169.0
176 84.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 117 Resp: 448613
Ion Ratio Lower Upper
117 100
82 55.2 43.7 65.5
119 32.5 26.1 39.1

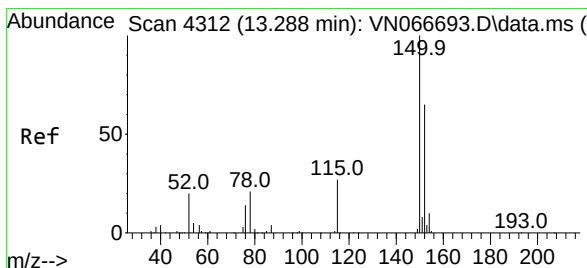
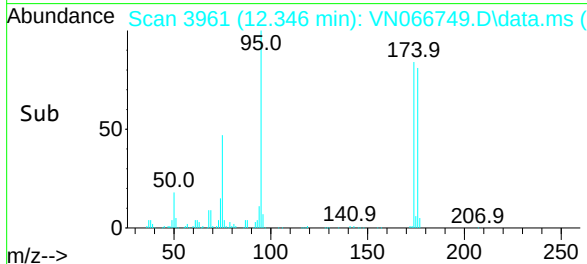
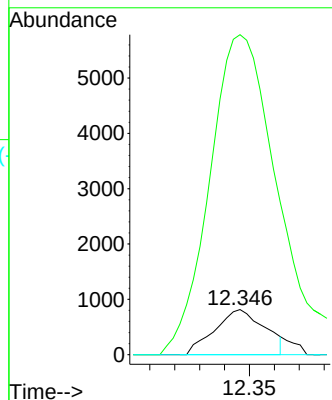
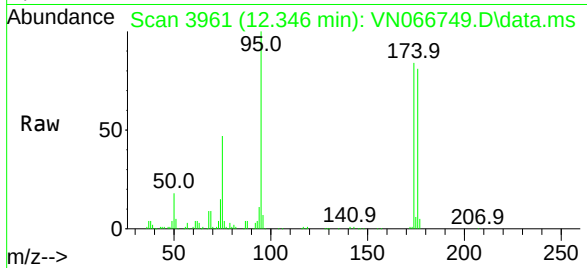




#71
Bromoform
Concen: 0.45 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

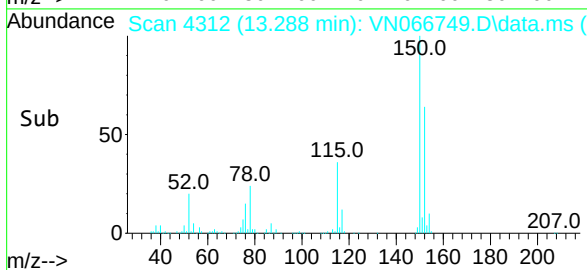
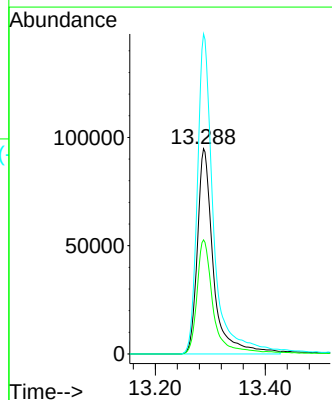
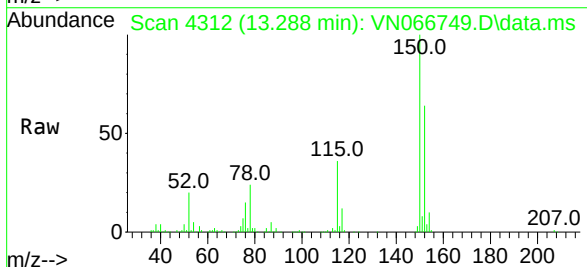
Instrument :
MSVOA_N
ClientSampled :

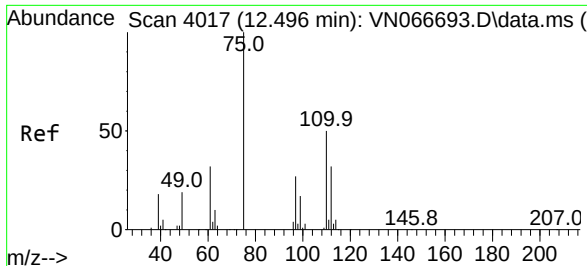
Tgt Ion:173 Resp: 1136
Ion Ratio Lower Upper
173 100
175 837.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion:152 Resp: 192728
Ion Ratio Lower Upper
152 100
115 55.7 28.5 85.6
150 156.4 0.0 347.6

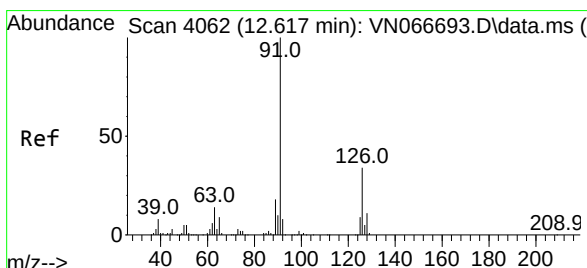
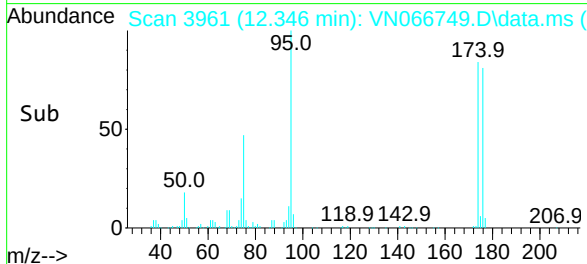
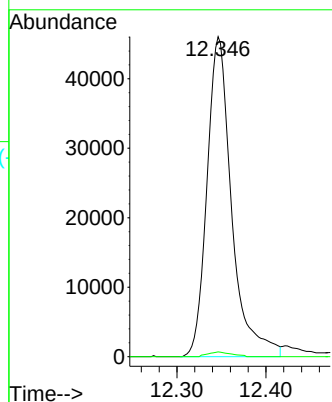
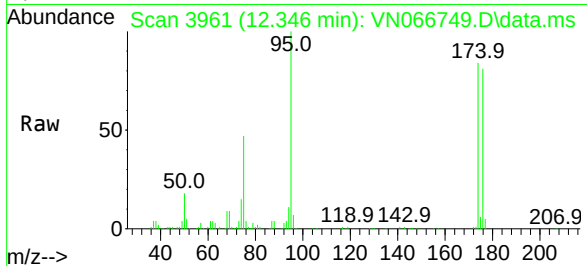




#76
1,2,3-Trichloropropane
Concen: 21.49 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

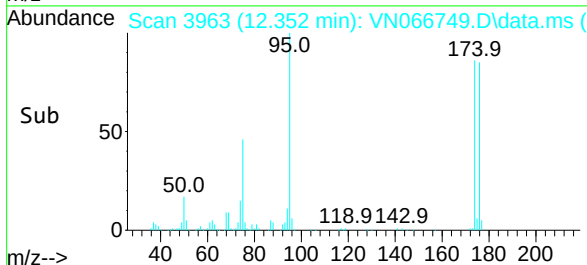
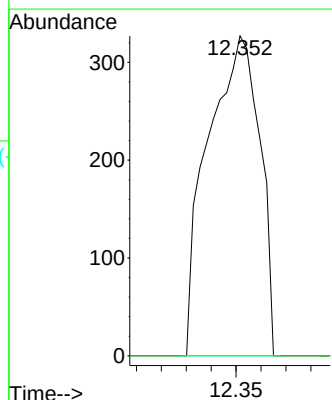
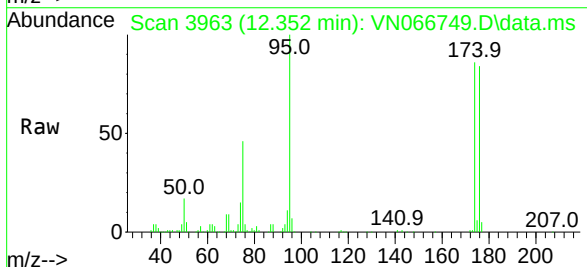
Instrument :
MSVOA_N
ClientSampleId :

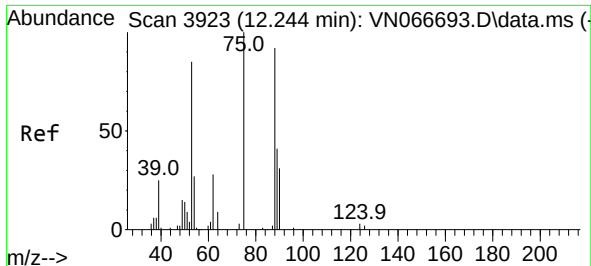
Tgt Ion: 75 Resp: 88625
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.98 ug/l
RT: 12.352 min Scan# 3963
Delta R.T. -0.265 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 91 Resp: 472
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

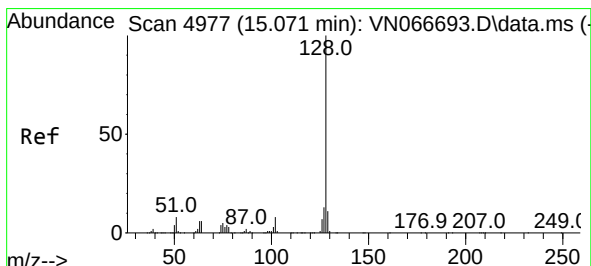
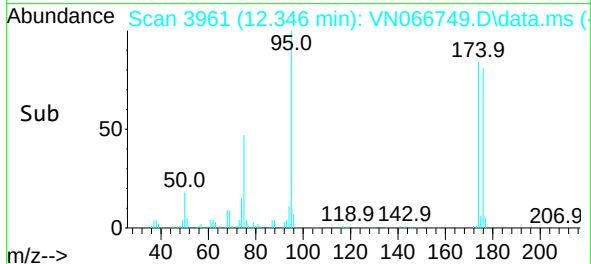
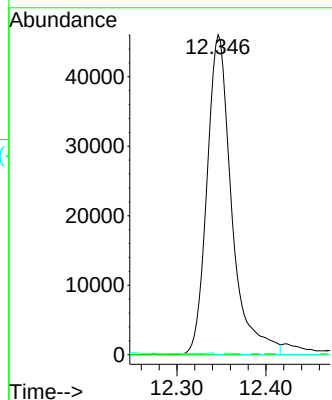
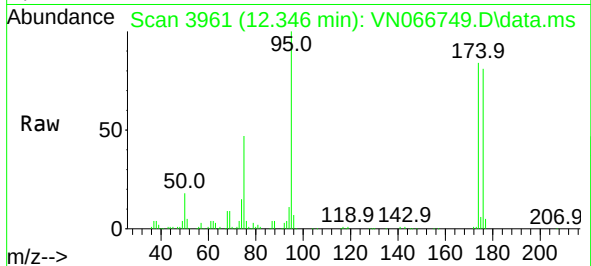




#81
trans-1,4-Dichloro-2-butene
Concen: 64.07 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 88625
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#



#95
Naphthalene
Concen: 1.93 ug/l
RT: 15.090 min Scan# 4984
Delta R.T. 0.019 min
Lab File: VN066749.D
Acq: 23 Apr 2021 19:44

Tgt Ion: 128 Resp: 737
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

