

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066988.D
 Acq On : 5 May 2021 15:00
 Operator : JC/MD
 Sample : PB136154TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:50:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

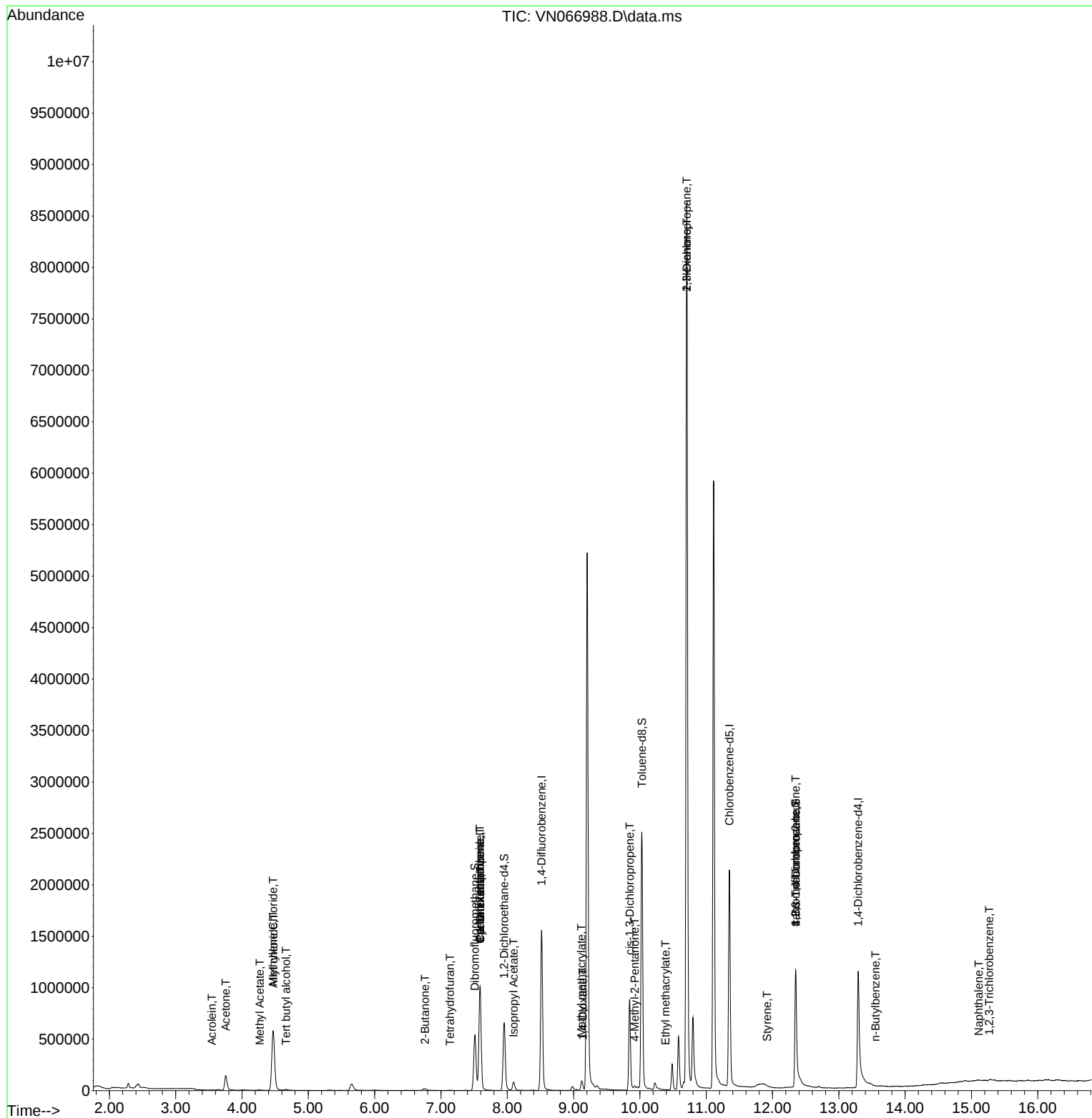
Internal Standards						
1) Pentafluorobenzene	7.589	168	798164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.517	114	1350560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	1224046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	466101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	574554	45.73	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.46%		
35) Dibromofluoromethane	7.512	113	430368	46.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.86%		
50) Toluene-d8	10.030	98	1758404	50.35	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.70%		
62) 4-Bromofluorobenzene	12.347	95	556303	47.04	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.08%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.663	59	5506	3.10	ug/l #	73
13) Acrolein	3.545	56	2013	1.36	ug/l	88
14) Allyl chloride	4.473	41	17434	1.00	ug/l #	26
16) Acetone	3.754	43	236788	53.58	ug/l	99
18) Methyl Acetate	4.266	43	11356	0.90	ug/l #	75
20) Methylene Chloride	4.470	84	421514	37.60	ug/l	90
25) 2-Butanone	6.761	43	8252	1.27	ug/l	98
29) Tetrahydrofuran	7.139	42	1631	0.38	ug/l #	46
31) Cyclohexane	7.592	56	18421	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.589	75	67716	4.81	ug/l #	43
38) Carbon Tetrachloride	7.587	117	81620	5.56	ug/l #	17
43) Isopropyl Acetate	8.096	43	103739	4.46	ug/l #	89
48) Methyl methacrylate	9.118	41	22286	2.16	ug/l #	10
49) 1,4-Dioxane	9.140	88	81	0.50	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	12077	0.90	ug/l #	49
54) cis-1,3-Dichloropropene	9.845	75	166525	8.99	ug/l #	60
56) Ethyl methacrylate	10.387	69	132	5.20	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	98321	5.39	ug/l #	44
59) 2-Hexanone	10.706	43	1386990	153.45	ug/l #	50
70) Styrene	11.918	104	276	4.72	ug/l #	1
76) 1,2,3-Trichloropropane	12.347	75	280849	25.29	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	280849	76.05	ug/l #	12
89) n-Butylbenzene	13.554	91	100	5.24	ug/l #	16
95) Naphthalene	15.110	128	7234	0.35	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.268	180	1561	0.21	ug/l #	40

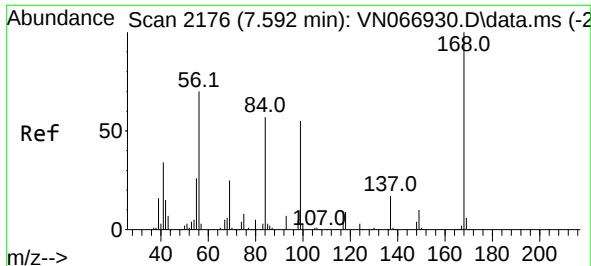
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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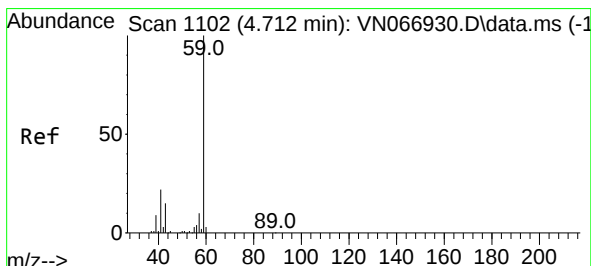
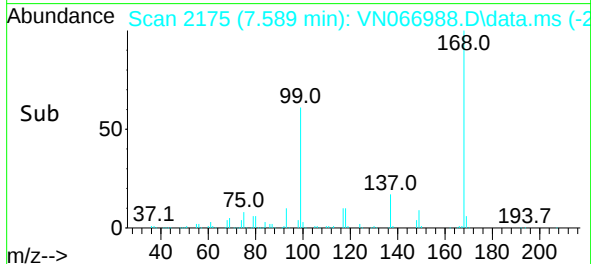
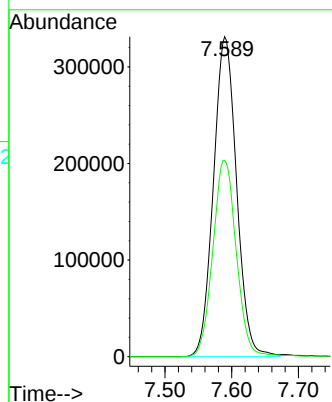
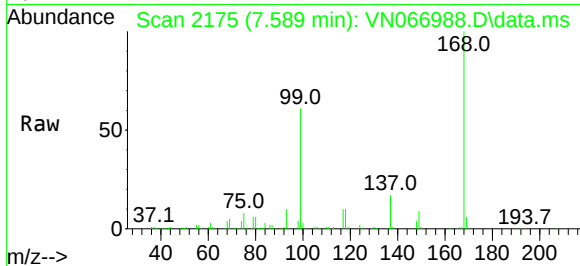




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

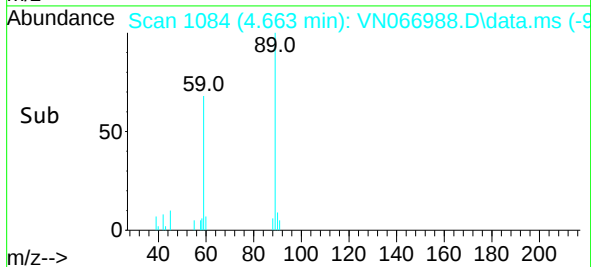
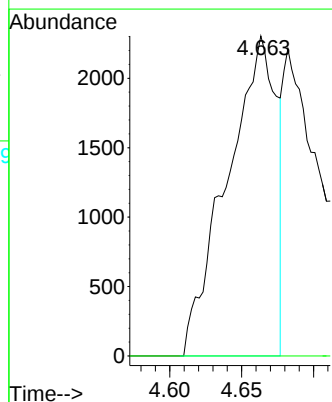
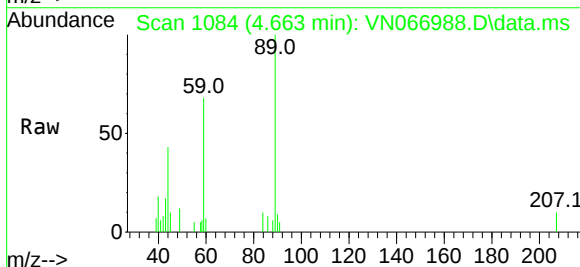
Instrument :
MSVOA_N
ClientSampled :

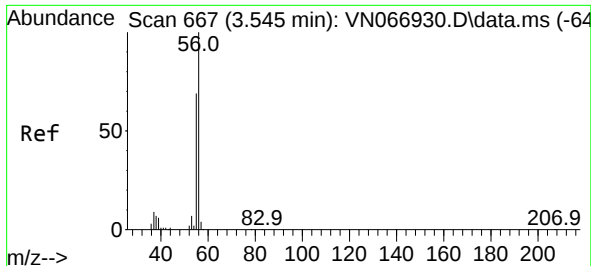
Tgt Ion:168 Resp: 798164
Ion Ratio Lower Upper
168 100
99 61.3 42.6 63.8



#11
Tert butyl alcohol
Concen: 3.10 ug/l
RT: 4.663 min Scan# 1084
Delta R.T. -0.049 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

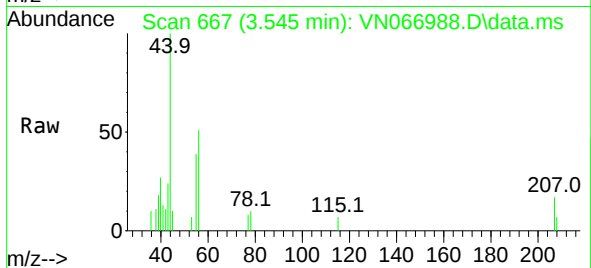
Tgt Ion: 59 Resp: 5506
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



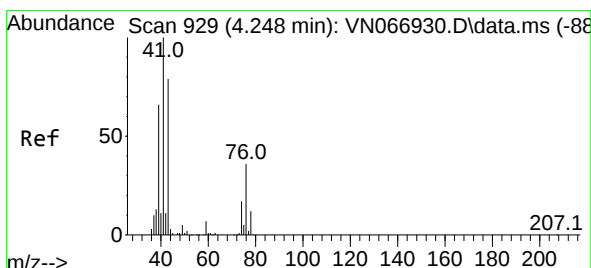
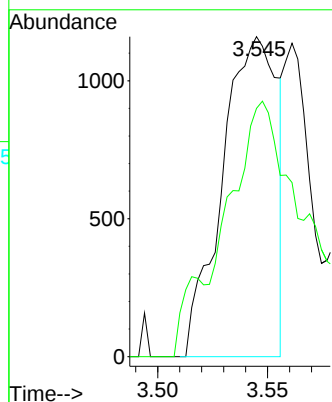
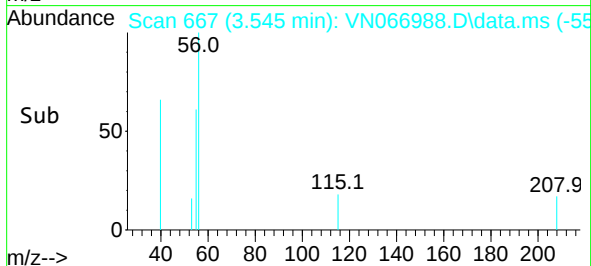


#13
Acrolein
Concen: 1.36 ug/l
RT: 3.545 min Scan# 667
Delta R.T. -0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

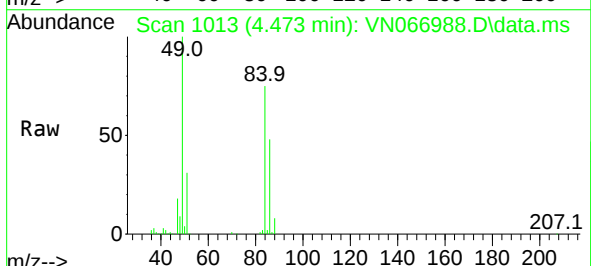
Instrument :
MSVOA_N
ClientSampled :



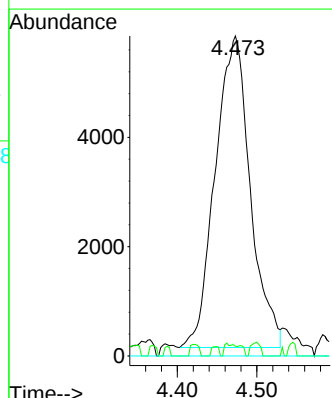
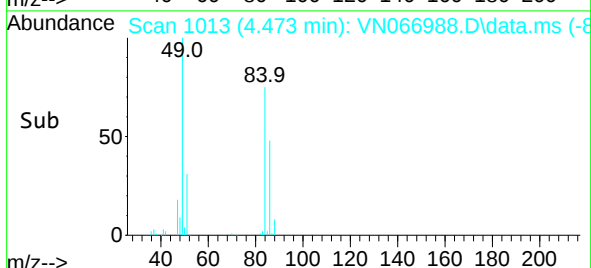
Tgt Ion: 56 Resp: 2013
Ion Ratio Lower Upper
56 100
55 80.1 56.0 84.0

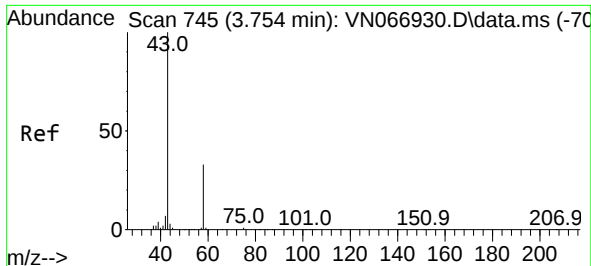


#14
Allyl chloride
Concen: 1.00 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.225 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00



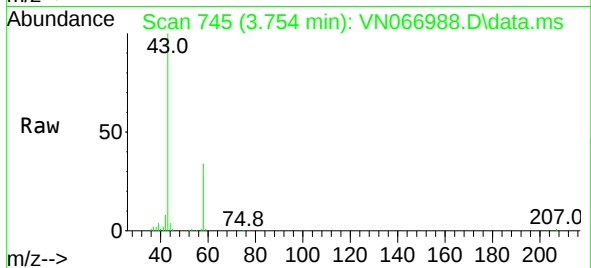
Tgt Ion: 41 Resp: 17434
Ion Ratio Lower Upper
41 100
39 1.3 53.0 79.4#
76 0.0 28.9 43.3#



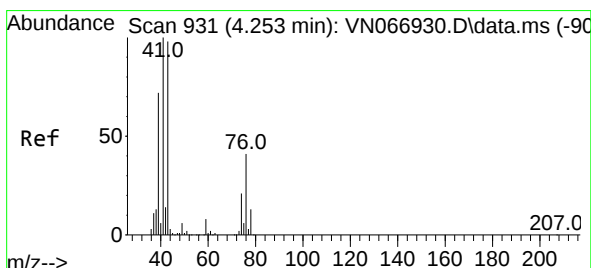
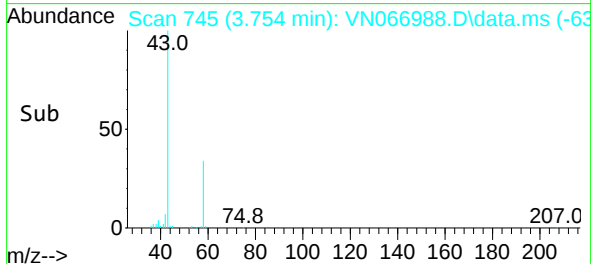
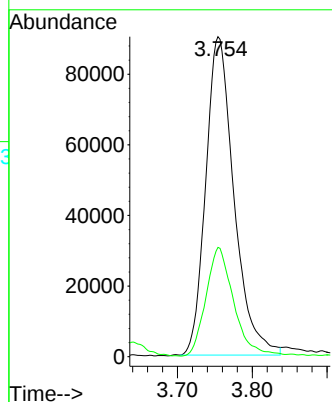


#16
Acetone
Concen: 53.58 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

Instrument :
MSVOA_N
ClientSampled :

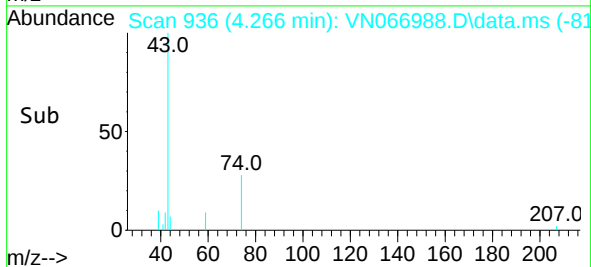
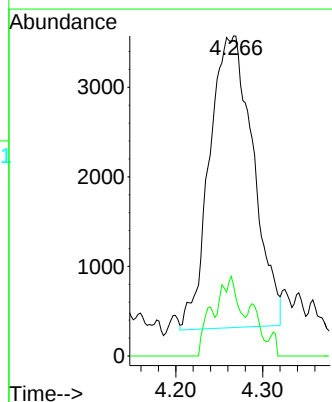
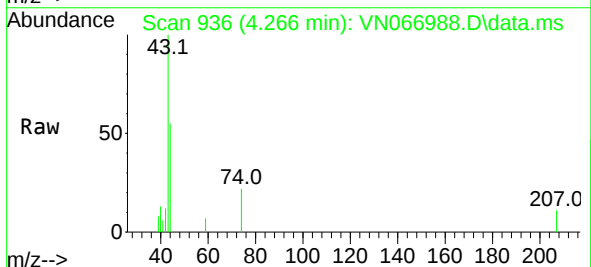


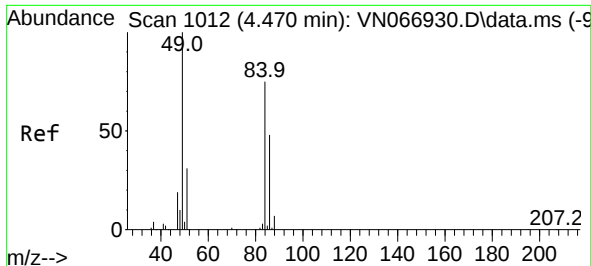
Tgt Ion: 43 Resp: 236788
Ion Ratio Lower Upper
43 100
58 34.1 27.0 40.6



#18
Methyl Acetate
Concen: 0.90 ug/l
RT: 4.266 min Scan# 936
Delta R.T. 0.013 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

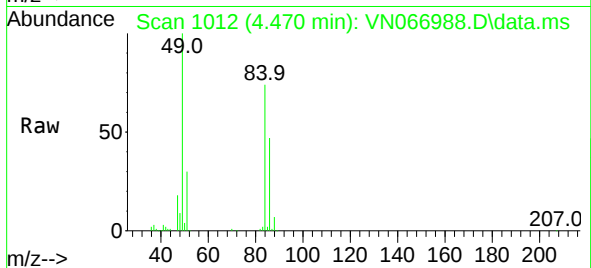
Tgt Ion: 43 Resp: 11356
Ion Ratio Lower Upper
43 100
74 12.0 19.5 29.3#



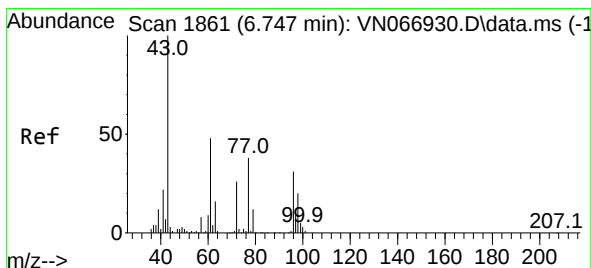
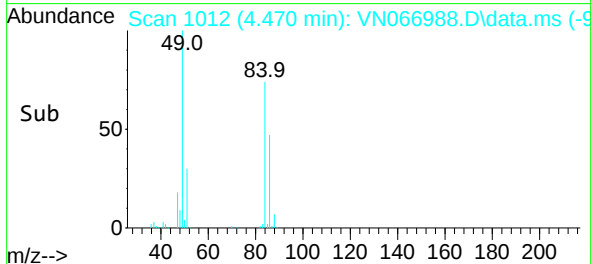
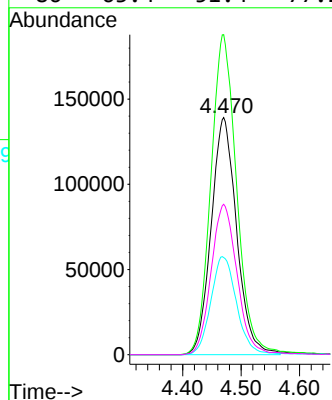


#20
Methylene Chloride
Concen: 37.60 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

Instrument :
MSVOA_N
ClientSampled :

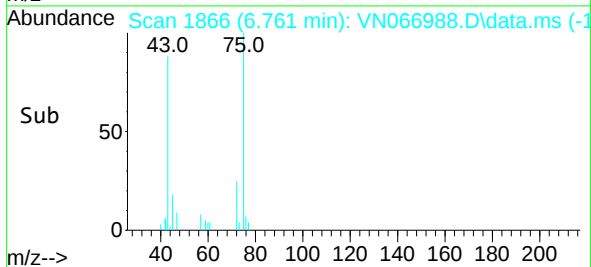
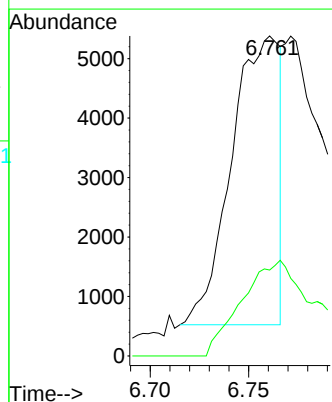
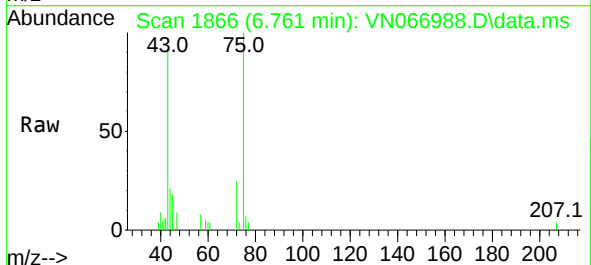


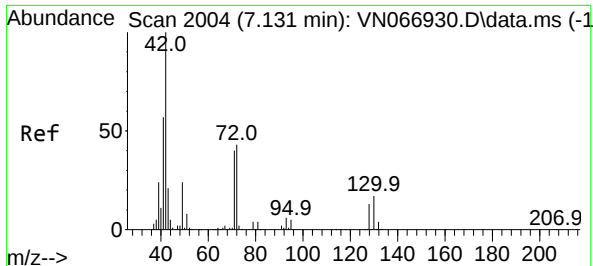
Tgt Ion:	84	Resp:	421514
Ion	Ratio	Lower	Upper
84	100		
49	134.9	94.6	141.8
51	40.9	29.9	44.9
86	63.4	51.4	77.2



#25
2-Butanone
Concen: 1.27 ug/l
RT: 6.761 min Scan# 1866
Delta R.T. 0.014 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

Tgt Ion:	43	Resp:	8252
Ion	Ratio	Lower	Upper
43	100		
72	29.7	23.1	34.7

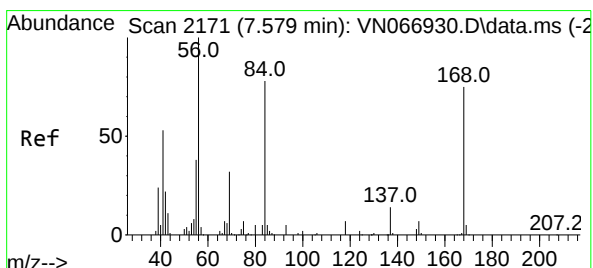
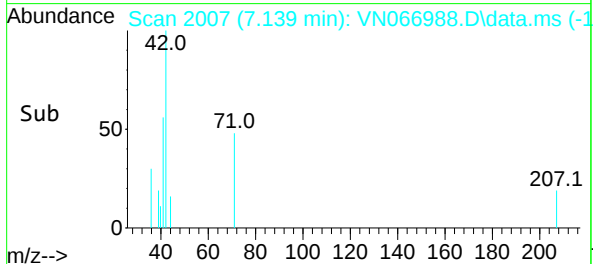
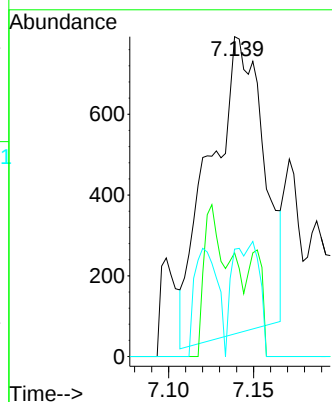
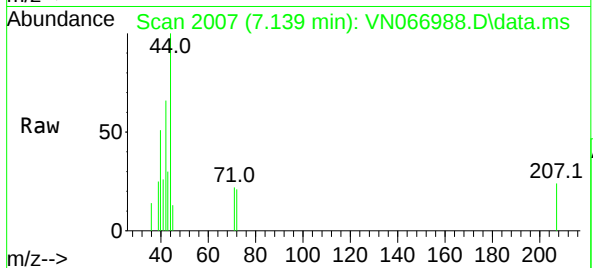




#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 7.139 min Scan# 2007
Delta R.T. 0.008 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

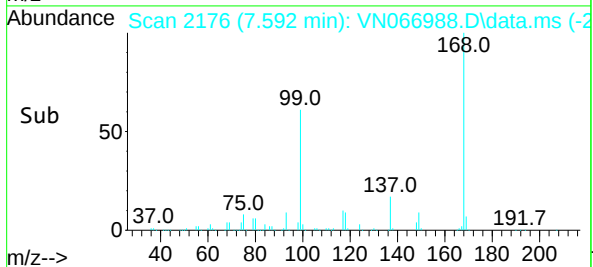
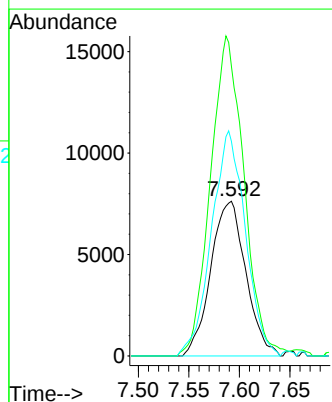
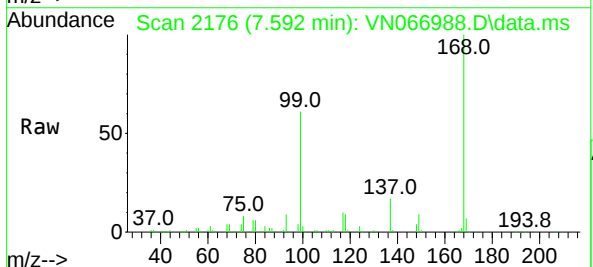
Instrument :
MSVOA_N
ClientSampled :

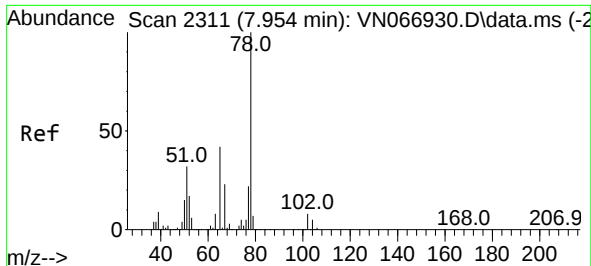
Tgt Ion: 42	Resp: 1631
Ion Ratio	Lower Upper
42	100
72	9.4 36.6 55.0#
71	9.6 34.3 51.5#



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

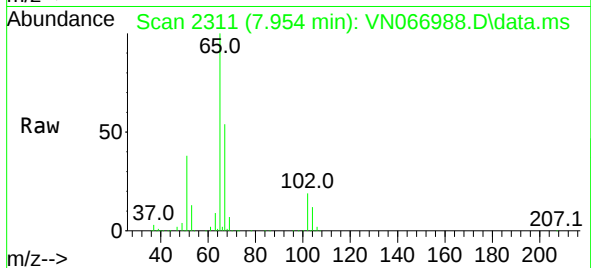
Tgt Ion: 56	Resp: 18421
Ion Ratio	Lower Upper
56	100
69	185.2 26.6 39.8#
84	138.8 70.4 105.6#



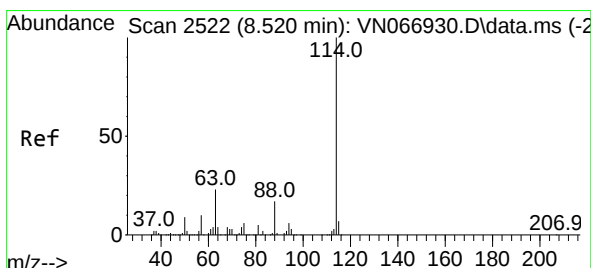
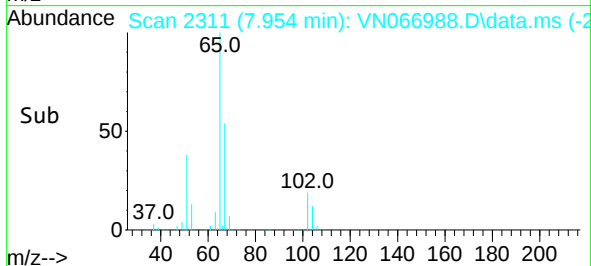
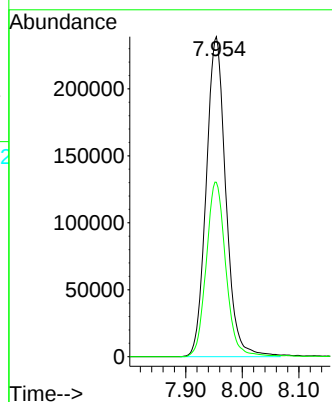


#33
1,2-Dichloroethane-d4
Concen: 45.73 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

Instrument :
MSVOA_N
ClientSampled :

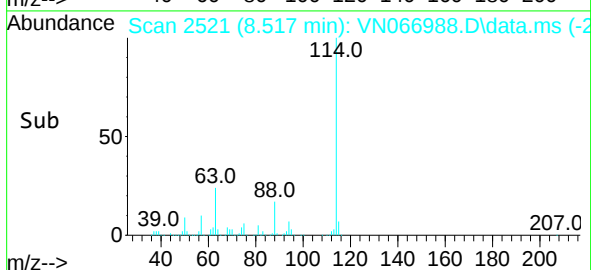
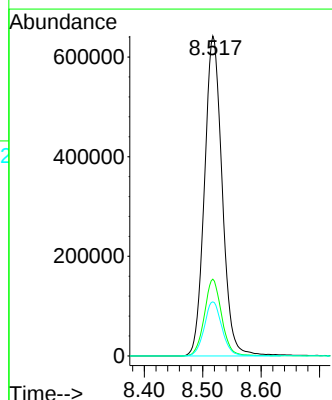
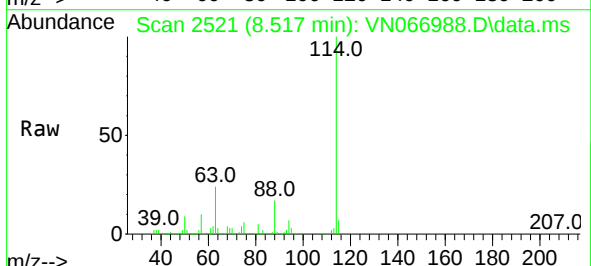


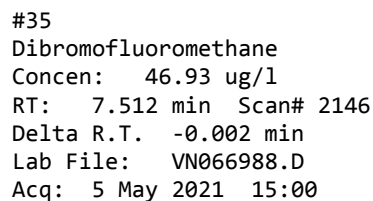
Tgt Ion: 65 Resp: 574554
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



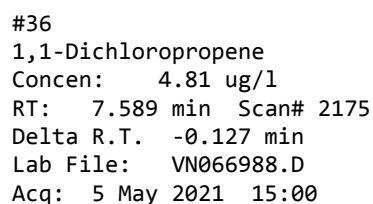
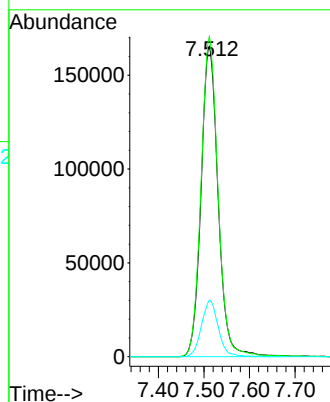
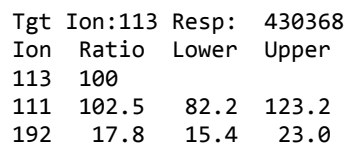
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.517 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

Tgt Ion: 114 Resp: 1350560
Ion Ratio Lower Upper
114 100
63 24.0 0.0 38.6
88 16.9 0.0 30.6

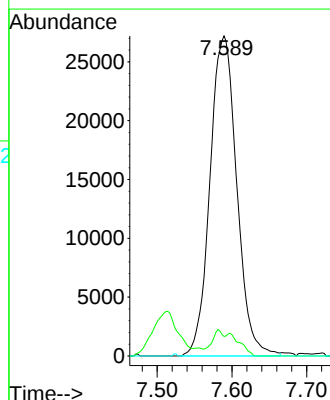
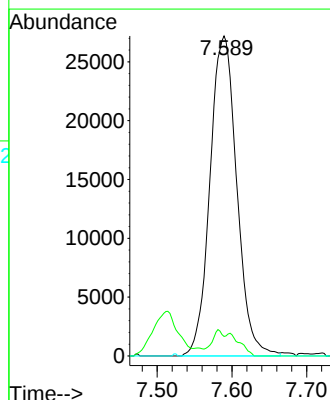


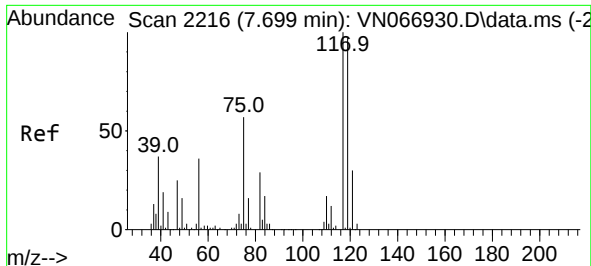


Instrument :
MSVOA_N
ClientSampleId :



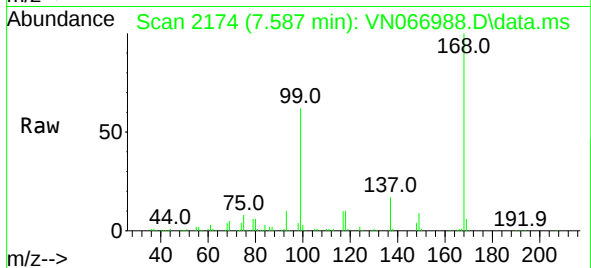
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Ion Ratio Lower	Upper
75 100	
110 2.2	18.2 54.6#
77 0.0	24.9 37.3#



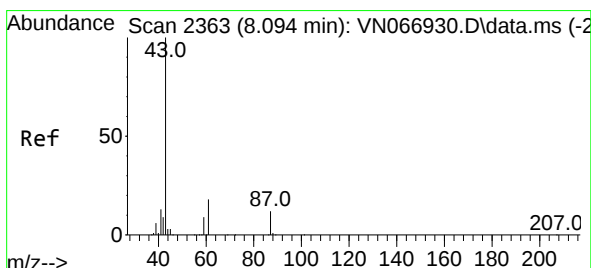
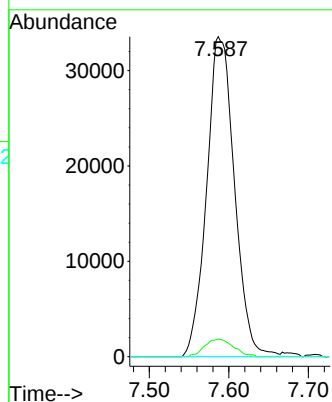
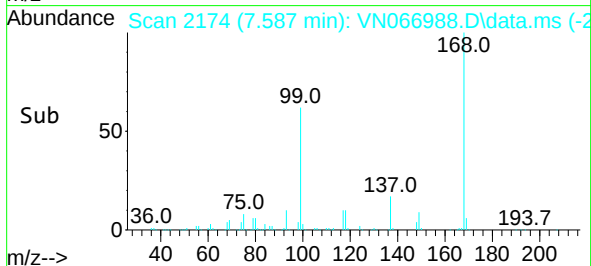


#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.112 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

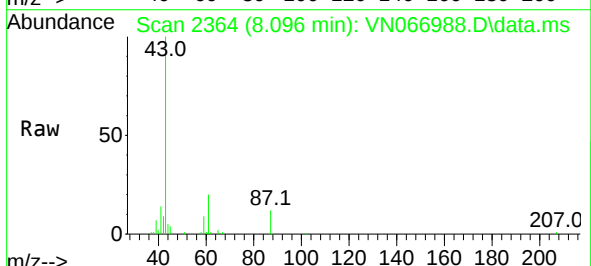
Instrument :
MSVOA_N
ClientSampled :



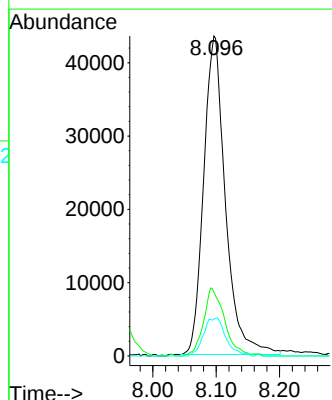
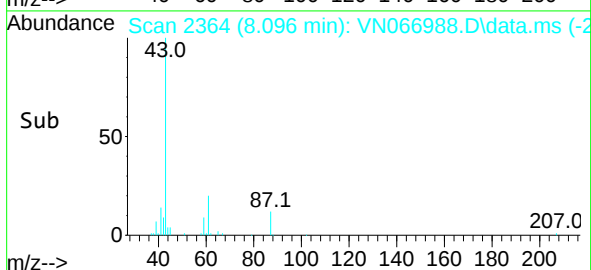
Tgt Ion:117 Resp: 81620
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#

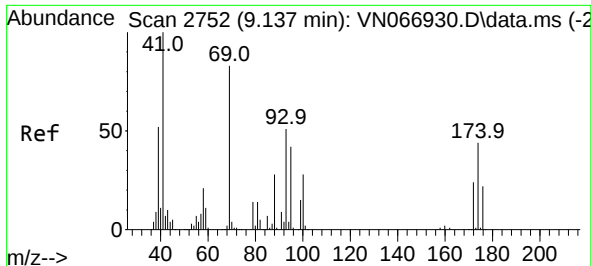


#43
Isopropyl Acetate
Concen: 4.46 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00



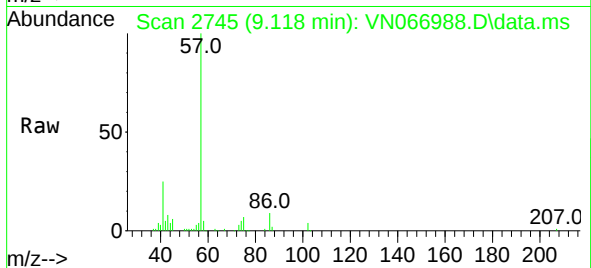
Tgt Ion: 43 Resp: 103739
Ion Ratio Lower Upper
43 100
61 20.5 22.5 33.7#
87 12.2 11.1 16.7



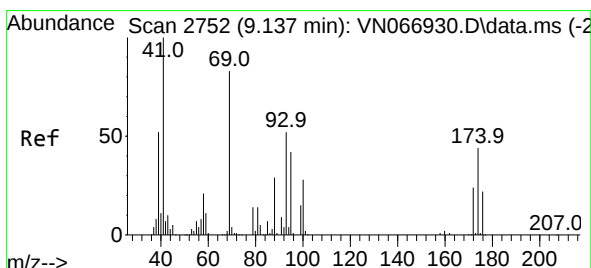
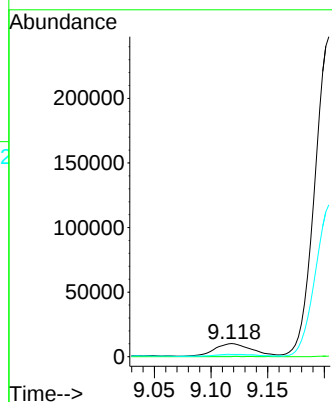
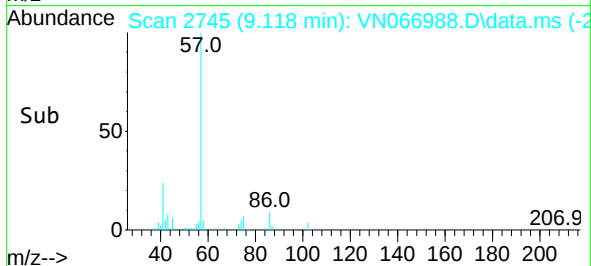


#48
Methyl methacrylate
Concen: 2.16 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

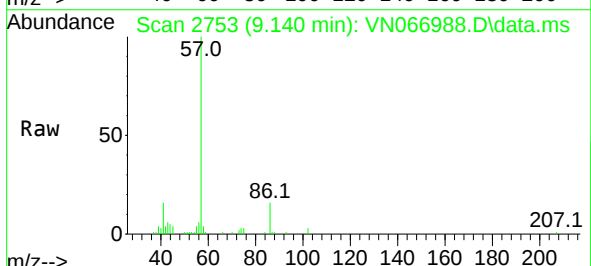
Instrument :
MSVOA_N
ClientSampled :



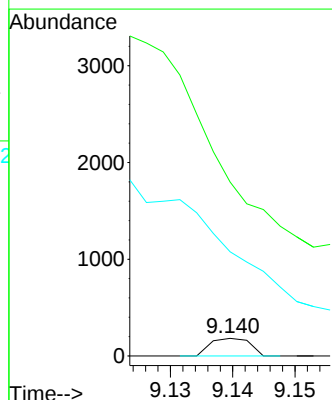
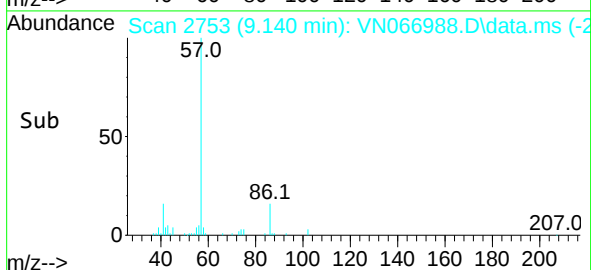
Tgt Ion: 41 Resp: 22286
Ion Ratio Lower Upper
41 100
69 0.3 75.9 113.9#
39 0.0 46.6 69.8#

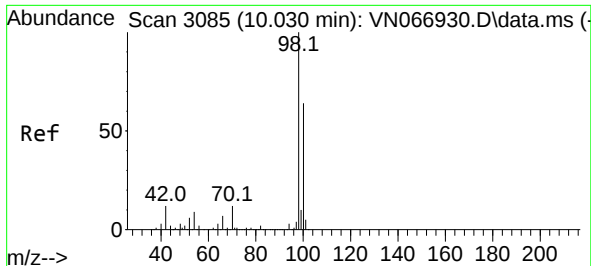


#49
1,4-Dioxane
Concen: 0.50 ug/l
RT: 9.140 min Scan# 2753
Delta R.T. 0.003 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00



Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 5619.8 52.6 78.8#

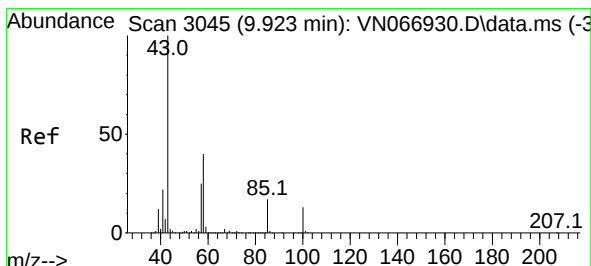
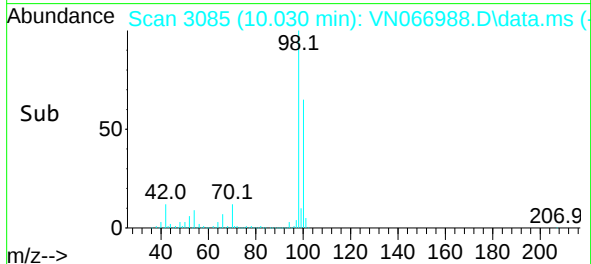
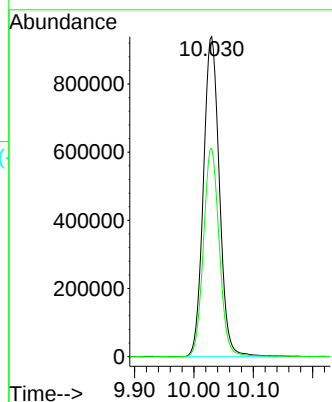
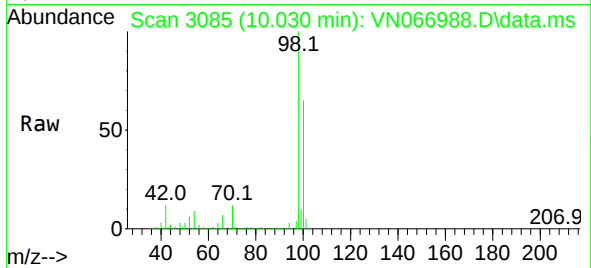




#50
Toluene-d8
Concen: 50.35 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

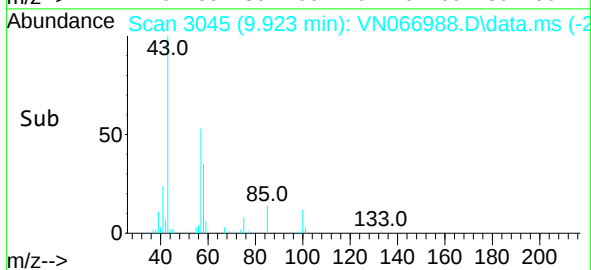
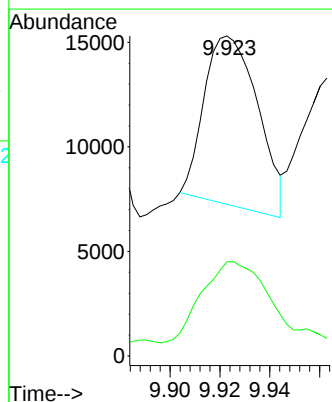
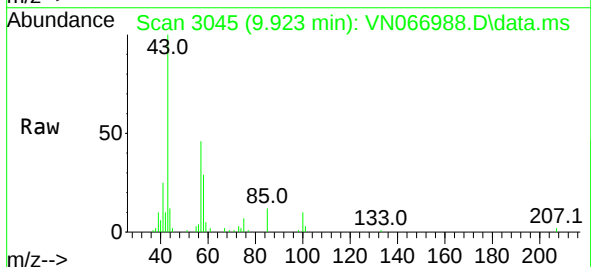
Instrument :
MSVOA_N
ClientSampled :

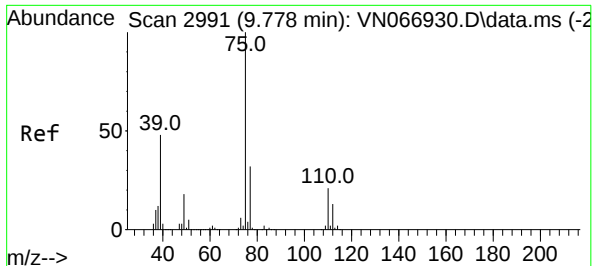
Tgt Ion: 98 Resp: 1758404
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.90 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

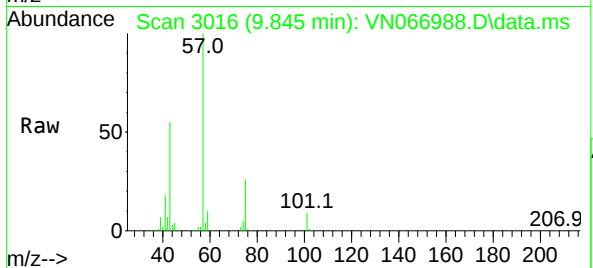
Tgt Ion: 43 Resp: 12077
Ion Ratio Lower Upper
43 100
58 72.2 32.5 48.7#



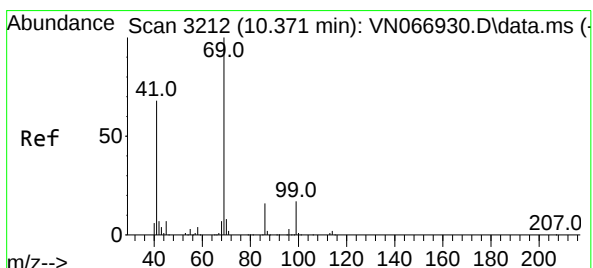
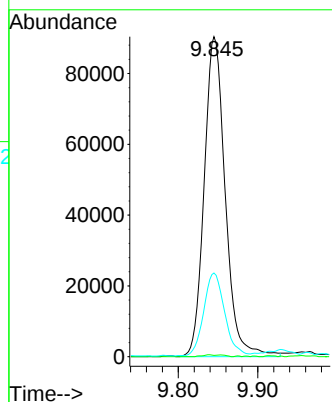
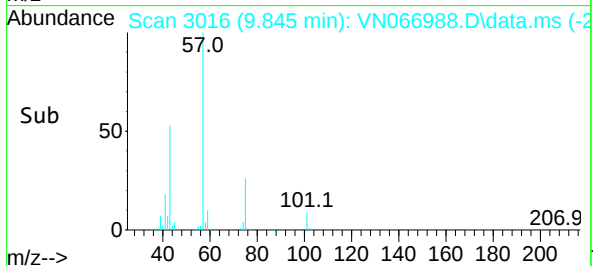


#54
 cis-1,3-Dichloropropene
 Concen: 8.99 ug/l
 RT: 9.845 min Scan# 3016
 Delta R.T. 0.067 min
 Lab File: VN066988.D
 Acq: 5 May 2021 15:00

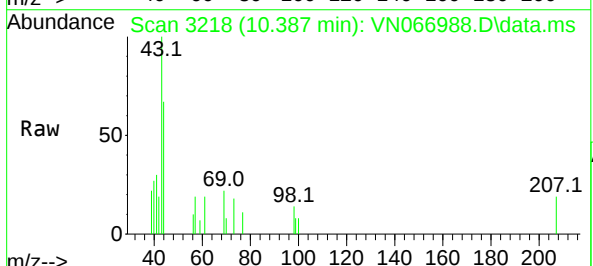
Instrument :
 MSVOA_N
 ClientSampled :



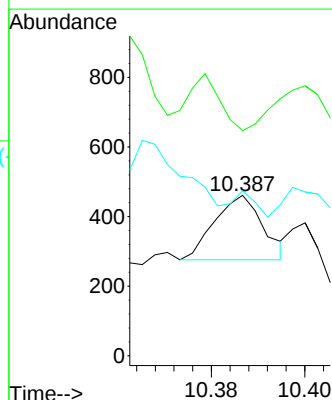
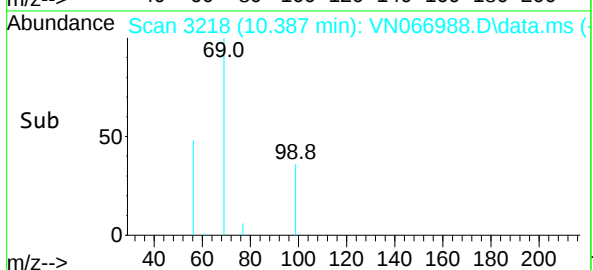
Tgt Ion: 75 Resp: 166525
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.9 37.3#
 39 25.8 36.2 54.4#

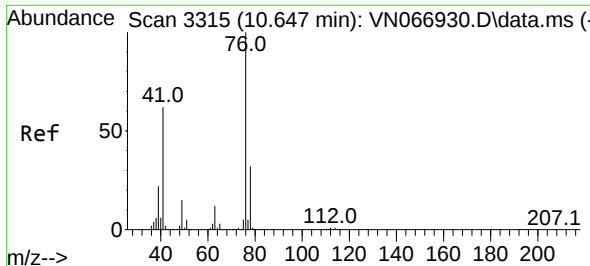


#56
 Ethyl methacrylate
 Concen: 5.20 ug/l
 RT: 10.387 min Scan# 3218
 Delta R.T. 0.016 min
 Lab File: VN066988.D
 Acq: 5 May 2021 15:00



Tgt Ion: 69 Resp: 132
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

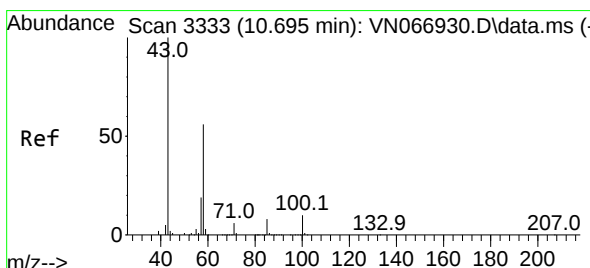
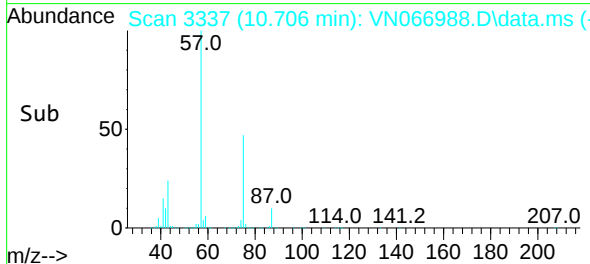
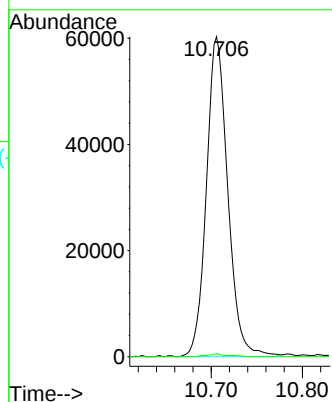
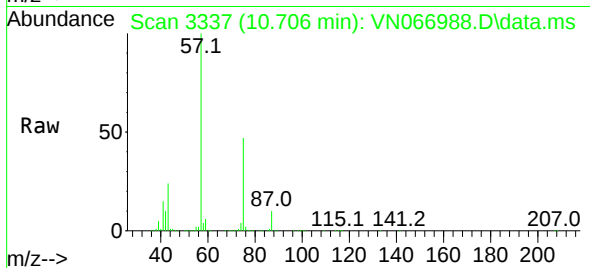




#57
1,3-Dichloropropane
Concen: 5.39 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

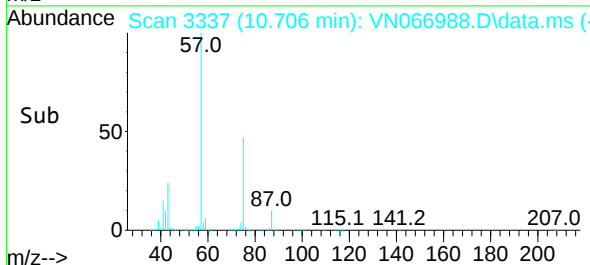
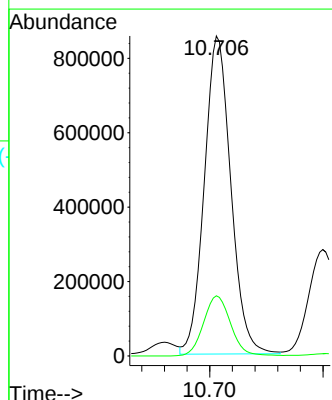
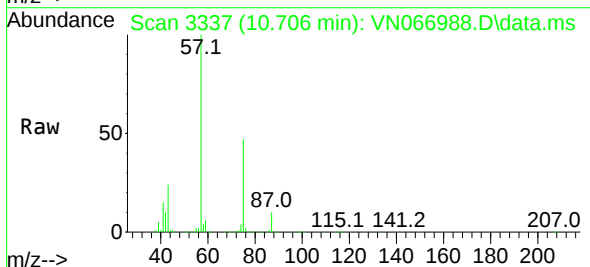
Instrument :
MSVOA_N
ClientSampled :

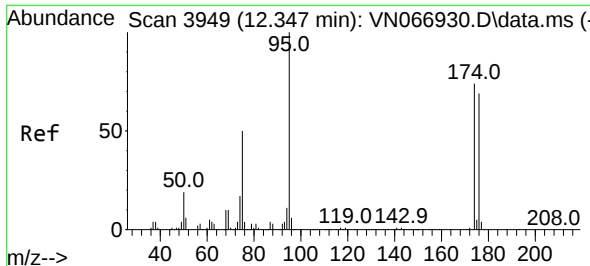
Tgt Ion: 76 Resp: 98321
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#



#59
2-Hexanone
Concen: 153.45 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

Tgt Ion: 43 Resp: 1386990
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#

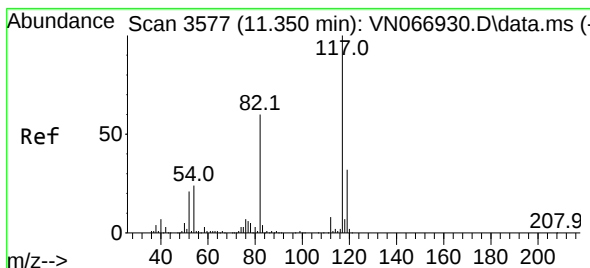
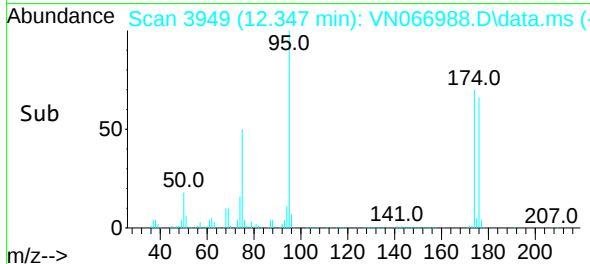
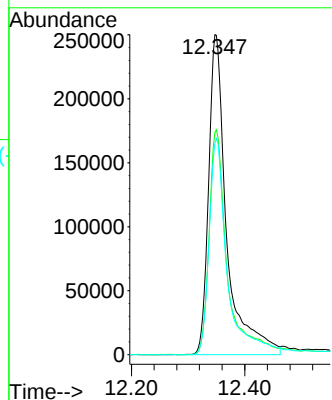
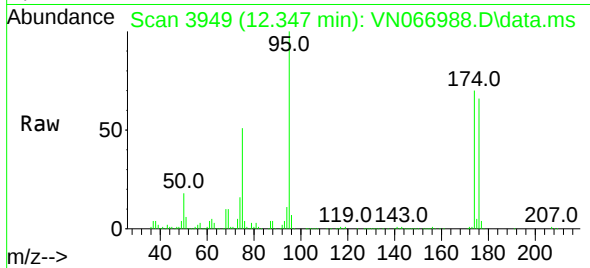




#62
4-Bromofluorobenzene
Concen: 47.04 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

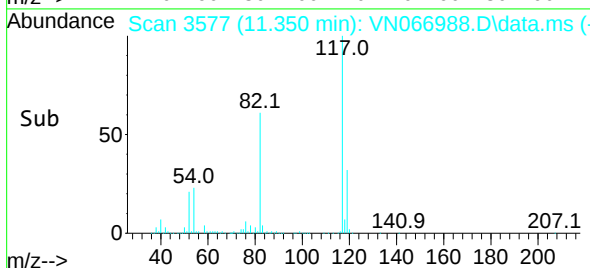
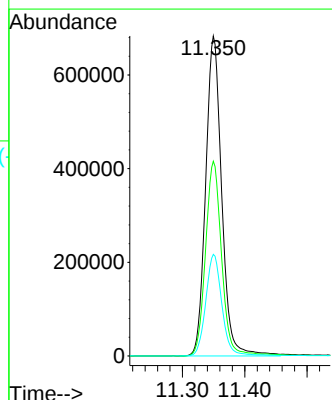
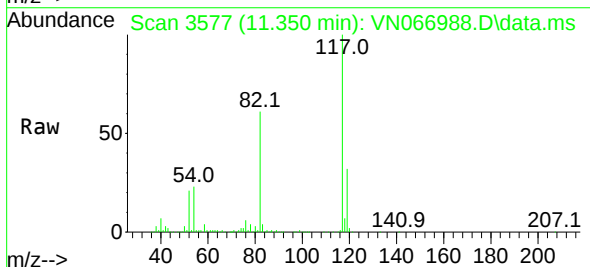
Instrument :
MSVOA_N
ClientSampled :

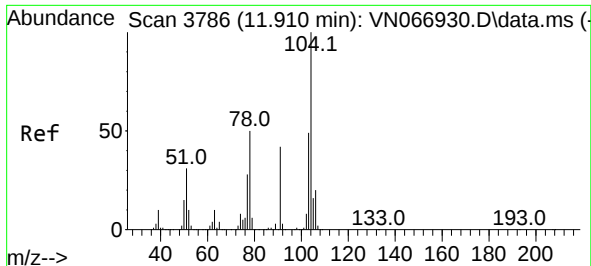
Tgt Ion: 95 Resp: 556303
Ion Ratio Lower Upper
95 100
174 70.3 0.0 169.0
176 68.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

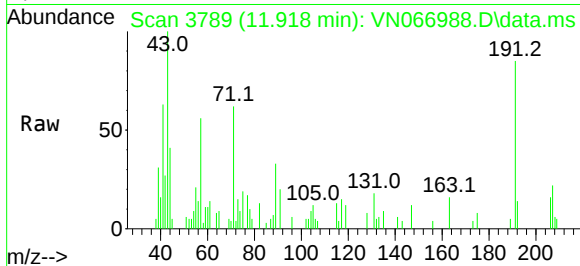
Tgt Ion: 117 Resp: 1224046
Ion Ratio Lower Upper
117 100
82 60.8 43.7 65.5
119 31.7 26.1 39.1



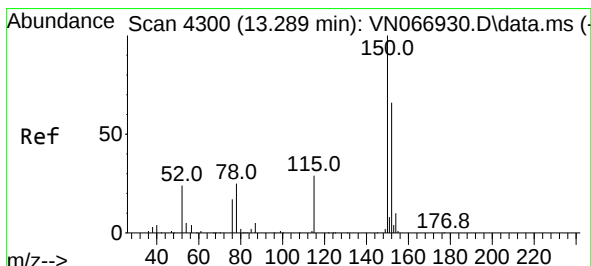
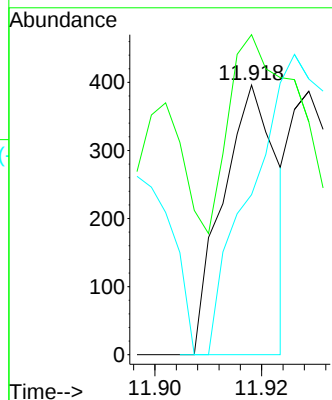
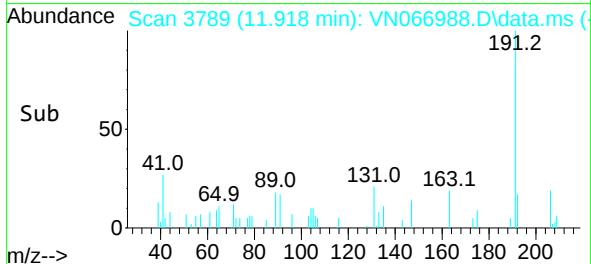


#70
Styrene
Concen: 4.72 ug/l
RT: 11.918 min Scan# 3789
Delta R.T. 0.008 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

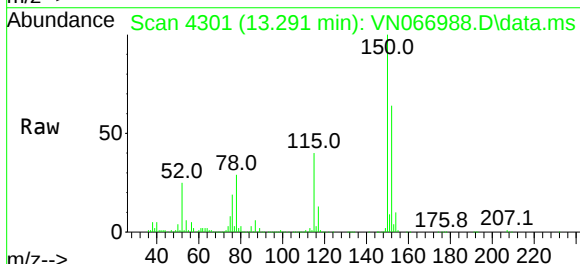
Instrument :
MSVOA_N
ClientSampled :



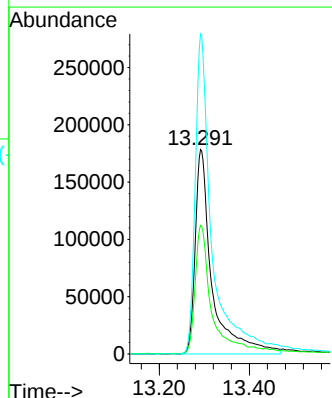
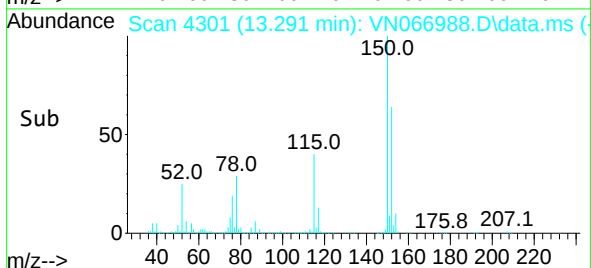
Tgt Ion:104 Resp: 276
Ion Ratio Lower Upper
104 100
78 185.9 39.0 58.4#
103 0.0 44.5 66.7#

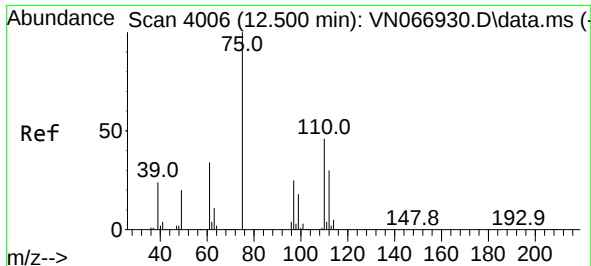


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00



Tgt Ion:152 Resp: 466101
Ion Ratio Lower Upper
152 100
115 58.9 28.5 85.6
150 153.4 0.0 347.6

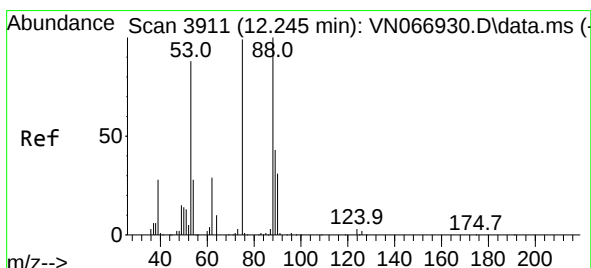
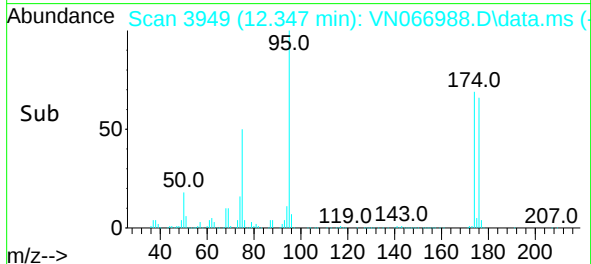
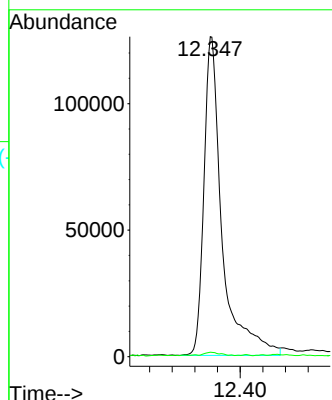
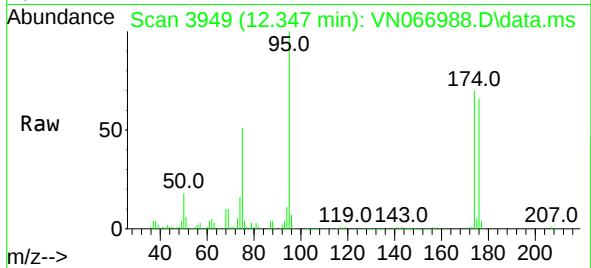




#76
1,2,3-Trichloropropane
Concen: 25.29 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

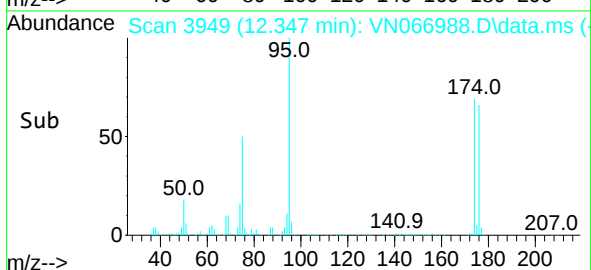
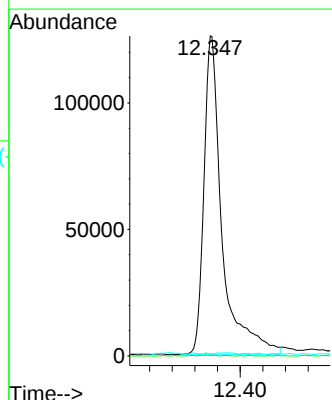
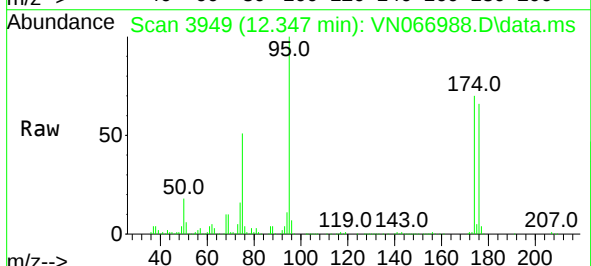
Instrument :
MSVOA_N
ClientSampleId :

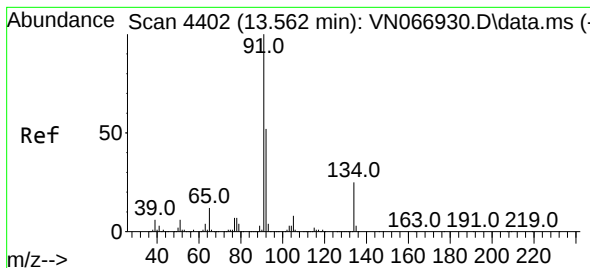
Tgt Ion: 75 Resp: 280849
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.05 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.102 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

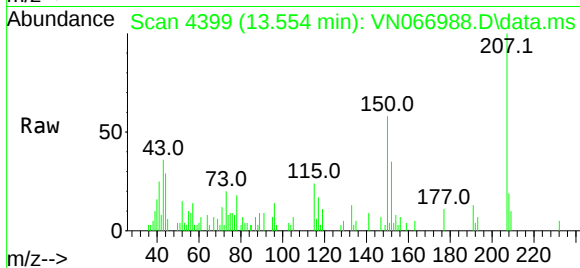
Tgt Ion: 75 Resp: 280849
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.0 35.8 53.8#



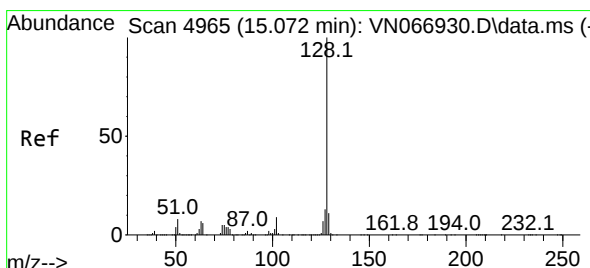
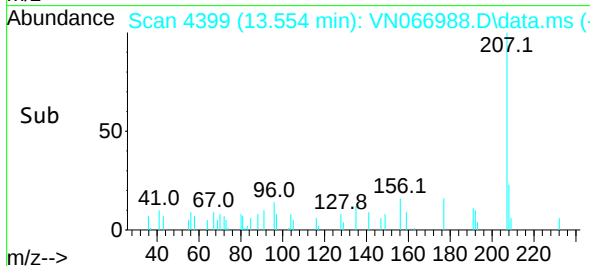
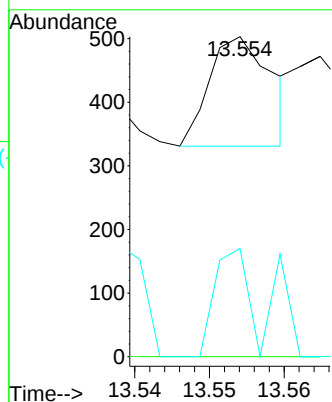


#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.554 min Scan# 4399
Delta R.T. -0.008 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00

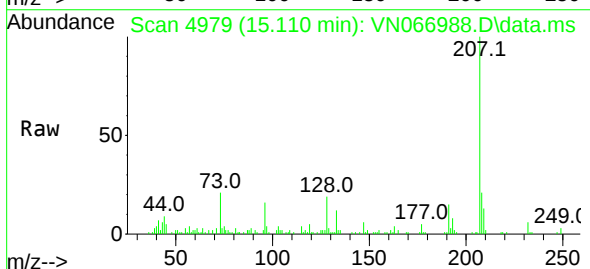
Instrument :
MSVOA_N
ClientSampled :



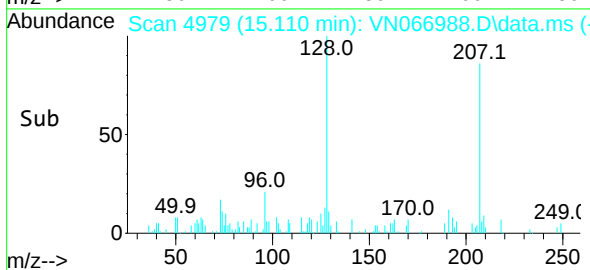
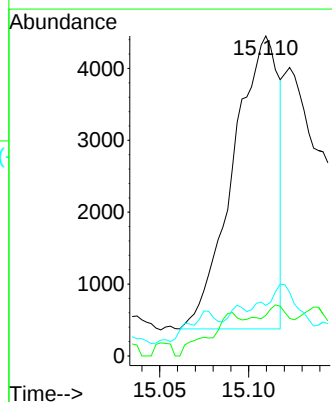
Tgt Ion: 91 Resp: 100
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 78.0 13.0 38.9#

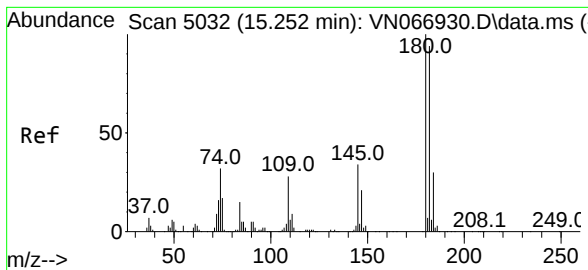


#95
Naphthalene
Concen: 0.35 ug/l
RT: 15.110 min Scan# 4979
Delta R.T. 0.038 min
Lab File: VN066988.D
Acq: 5 May 2021 15:00



Tgt Ion: 128 Resp: 7234
Ion Ratio Lower Upper
128 100
127 9.4 10.2 15.2#
129 11.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 15.268 min Scan# 5038
 Delta R.T. 0.016 min
 Lab File: VN066988.D
 Acq: 5 May 2021 15:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 1561
 Ion Ratio Lower Upper
 180 100
 182 167.1 47.4 142.3#
 145 44.1 16.5 49.5

