

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066991.D
 Acq On : 5 May 2021 16:44
 Operator : JC/MD
 Sample : PB136154ZHE#18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:50:53 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)

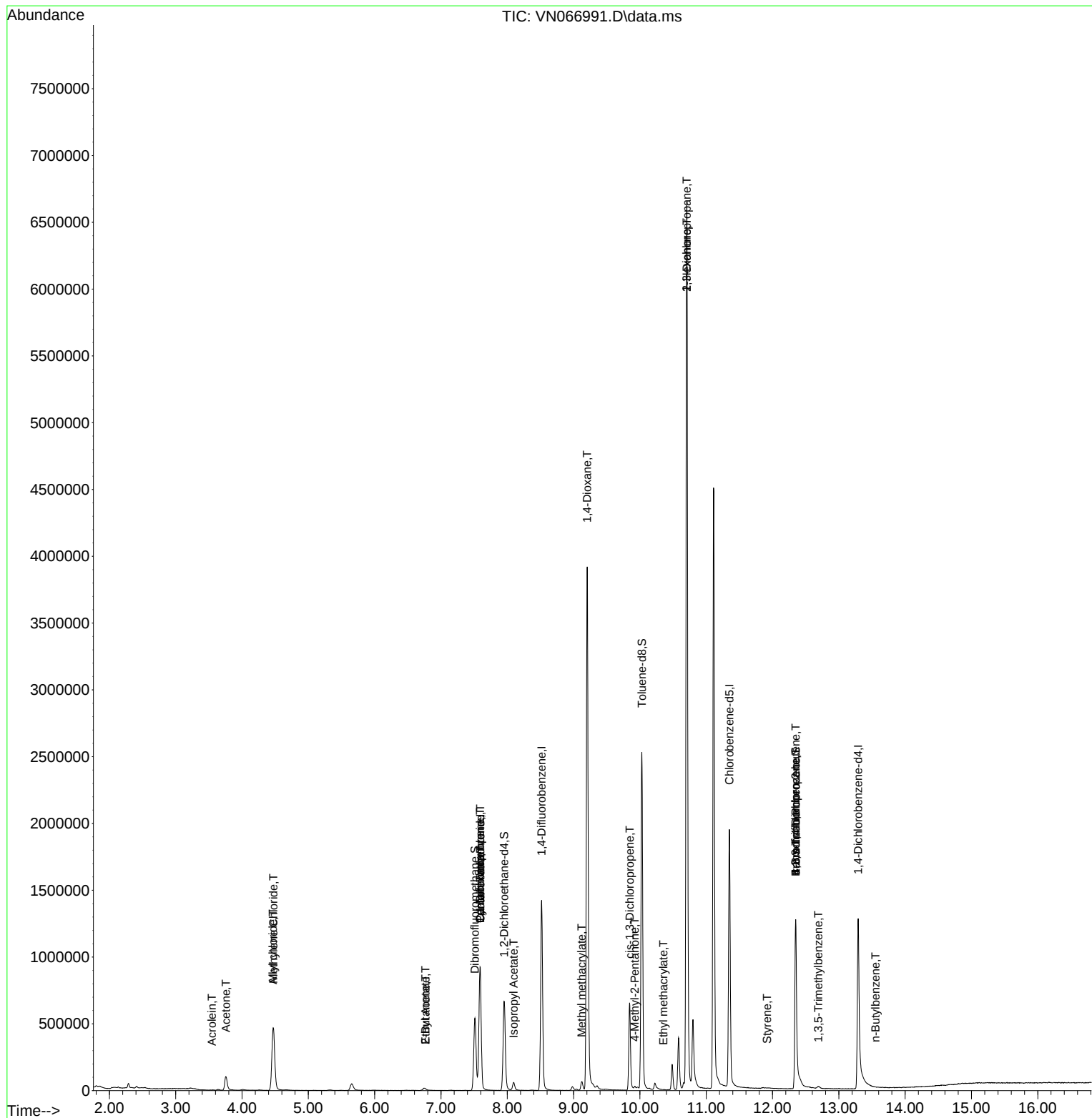
Internal Standards						
1) Pentafluorobenzene	7.592	168	716984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.517	114	1245633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	1135712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	463254	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	592344	52.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.98%			
35) Dibromofluoromethane	7.512	113	435249	51.46	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.92%			
50) Toluene-d8	10.030	98	1748701	54.29	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.58%			
62) 4-Bromofluorobenzene	12.350	95	581097	53.28	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.56%			
Target Compounds					Qvalue	
13) Acrolein	3.545	56	1405	1.06	ug/l #	64
14) Allyl chloride	4.468	41	14558	0.93	ug/l #	25
16) Acetone	3.757	43	181066	45.61	ug/l	98
20) Methylene Chloride	4.473	84	349854	34.74	ug/l	91
25) 2-Butanone	6.766	43	13862	2.37	ug/l #	84
31) Cyclohexane	7.592	56	17248	1.09	ug/l #	1
36) 1,1-Dichloropropene	7.589	75	63561	4.90	ug/l #	48
37) Ethyl Acetate	6.766	43	13862	1.05	ug/l #	68
38) Carbon Tetrachloride	7.592	117	75150	5.56	ug/l #	16
43) Isopropyl Acetate	8.096	43	74047	3.45	ug/l #	89
48) Methyl methacrylate	9.121	41	15507	1.63	ug/l #	10
49) 1,4-Dioxane	9.204	88	395	2.62	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	18011	1.45	ug/l	90
54) cis-1,3-Dichloropropene	9.845	75	125813	7.37	ug/l #	62
56) Ethyl methacrylate	10.355	69	476	5.22	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	71968	4.28	ug/l #	43
59) 2-Hexanone	10.706	43	1024983	128.59	ug/l #	50
70) Styrene	11.918	104	25	4.71	ug/l #	1
71) Bromoform	12.347	173	3646	0.54	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	300677	27.25	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.691	105	10875	0.35	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.350	75	300677	81.49	ug/l #	12
89) n-Butylbenzene	13.551	91	140	5.25	ug/l #	27

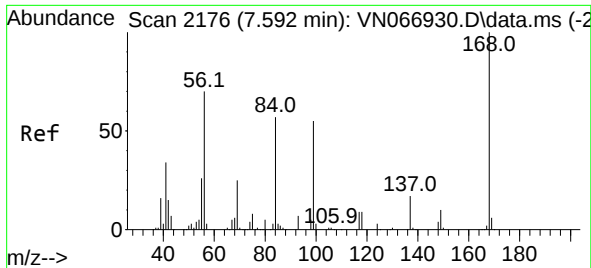
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

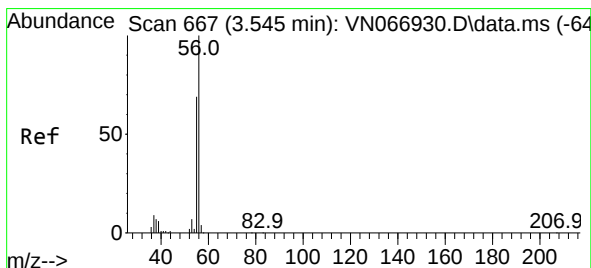
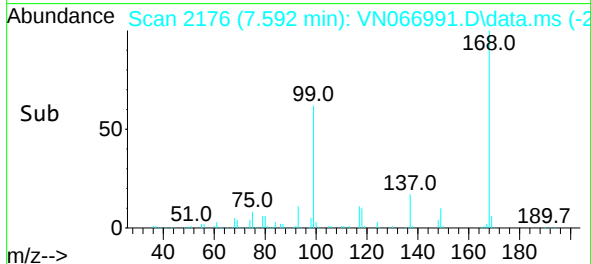
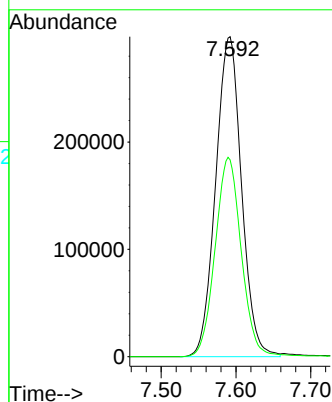
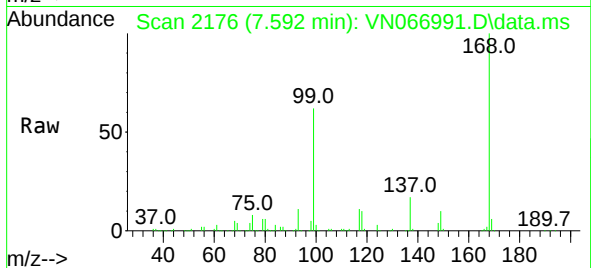




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

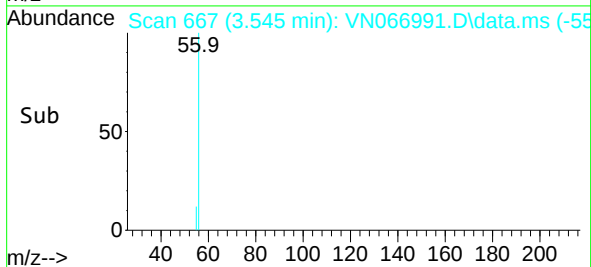
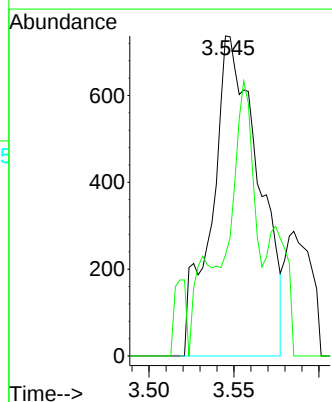
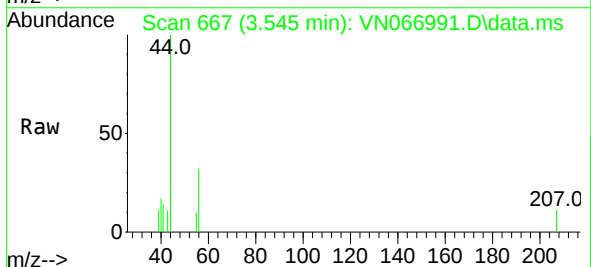
Instrument :
MSVOA_N
ClientSampled :

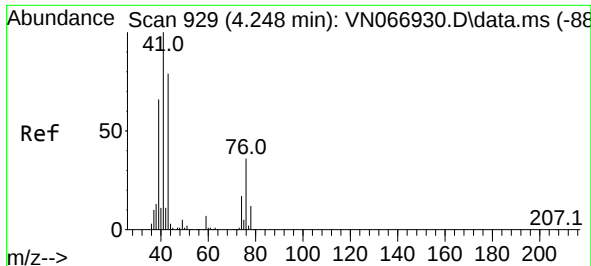
Tgt Ion:168 Resp: 716984
Ion Ratio Lower Upper
168 100
99 61.5 42.6 63.8



#13
Acrolein
Concen: 1.06 ug/l
RT: 3.545 min Scan# 667
Delta R.T. -0.000 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

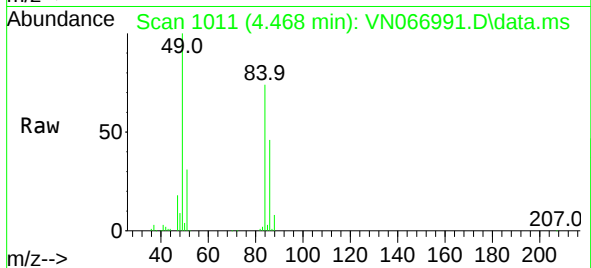
Tgt Ion: 56 Resp: 1405
Ion Ratio Lower Upper
56 100
55 40.7 56.0 84.0#



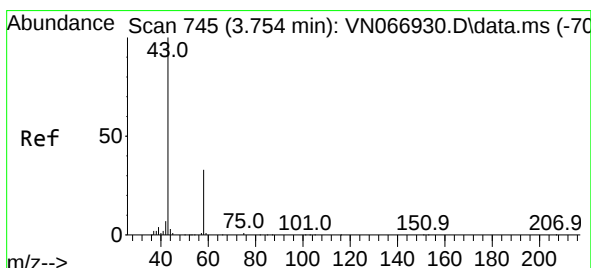
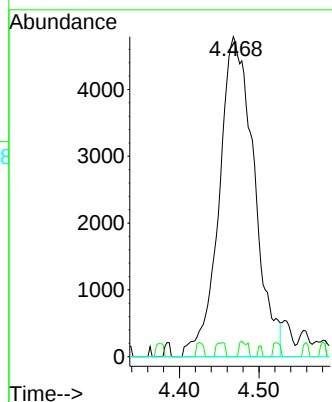
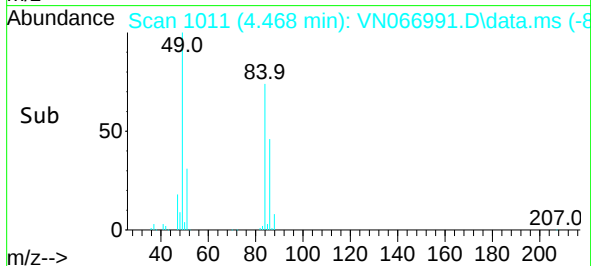


#14
 Allyl chloride
 Concen: 0.93 ug/l
 RT: 4.468 min Scan# 1011
 Delta R.T. 0.220 min
 Lab File: VN066991.D
 Acq: 5 May 2021 16:44

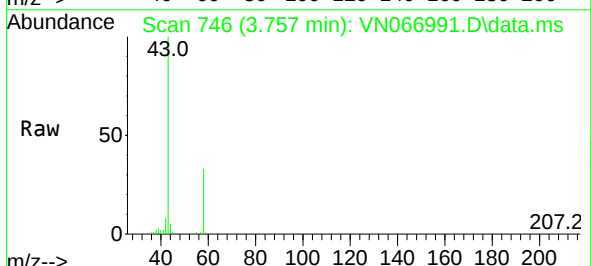
Instrument :
 MSVOA_N
 ClientSampled :



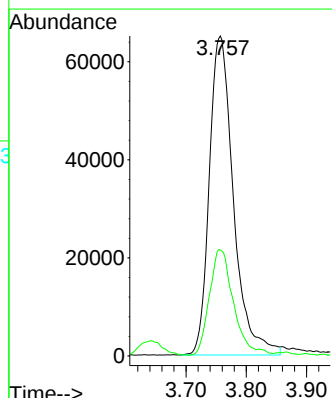
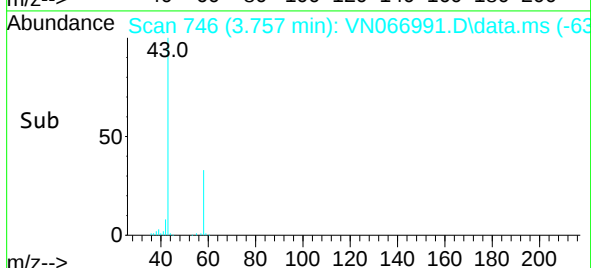
Tgt Ion: 41 Resp: 14558
 Ion Ratio Lower Upper
 41 100
 39 1.1 53.0 79.4#
 76 0.0 28.9 43.3#

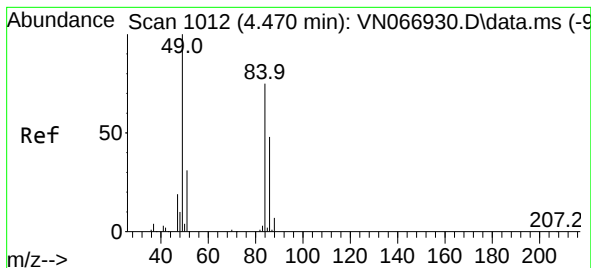


#16
 Acetone
 Concen: 45.61 ug/l
 RT: 3.757 min Scan# 746
 Delta R.T. 0.003 min
 Lab File: VN066991.D
 Acq: 5 May 2021 16:44



Tgt Ion: 43 Resp: 181066
 Ion Ratio Lower Upper
 43 100
 58 32.8 27.0 40.6





#20

Methylene Chloride

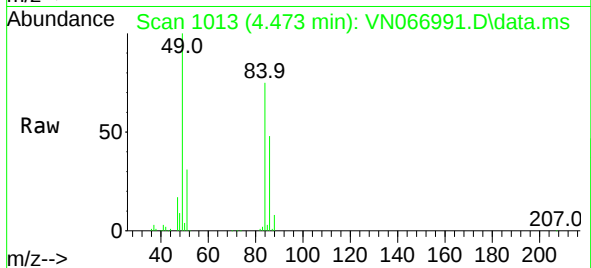
Concen: 34.74 ug/l

RT: 4.473 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VN066991.D

Acq: 5 May 2021 16:44



Tgt Ion: 84 Resp: 349854

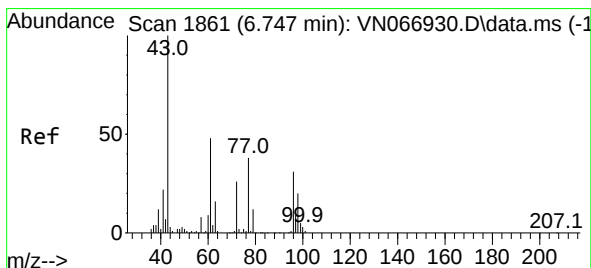
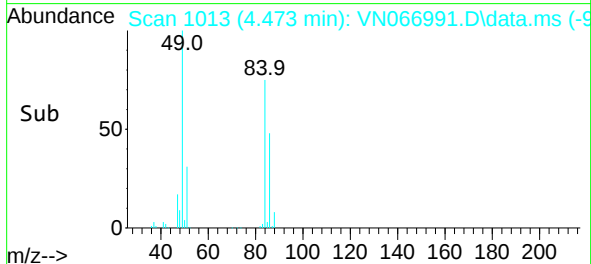
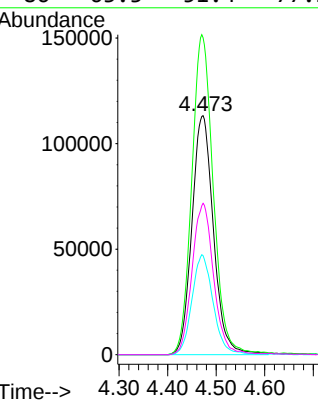
Ion Ratio Lower Upper

84 100

49 132.6 94.6 141.8

51 41.4 29.9 44.9

86 63.3 51.4 77.2



#25

2-Butanone

Concen: 2.37 ug/l

RT: 6.766 min Scan# 1868

Delta R.T. 0.019 min

Lab File: VN066991.D

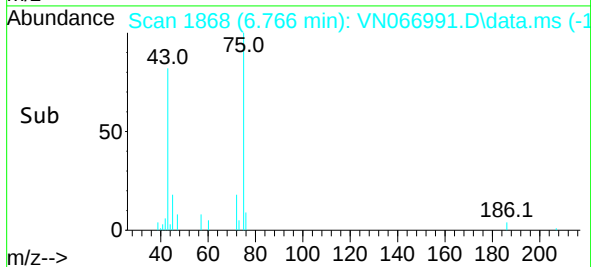
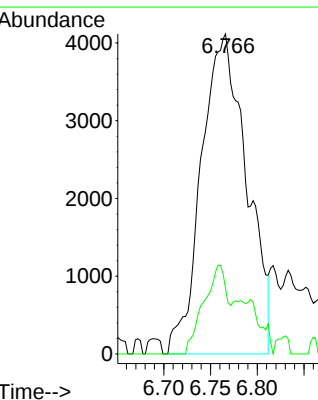
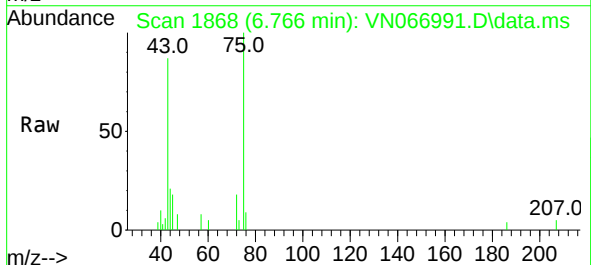
Acq: 5 May 2021 16:44

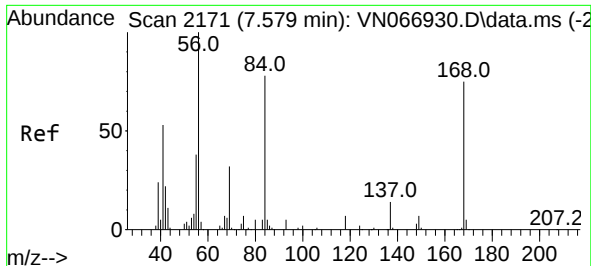
Tgt Ion: 43 Resp: 13862

Ion Ratio Lower Upper

43 100

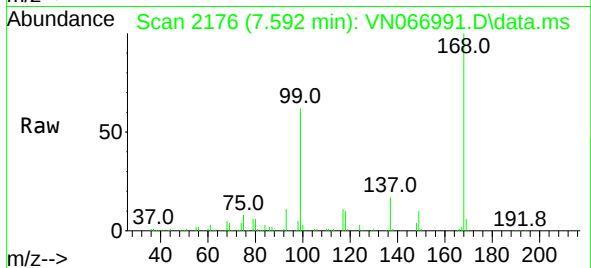
72 20.5 23.1 34.7#



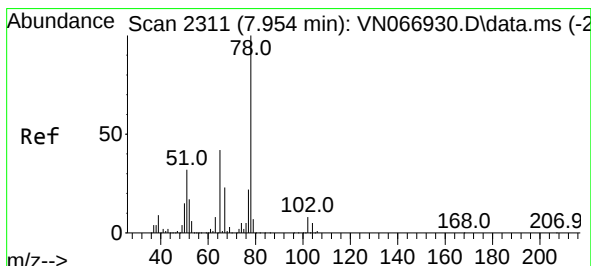
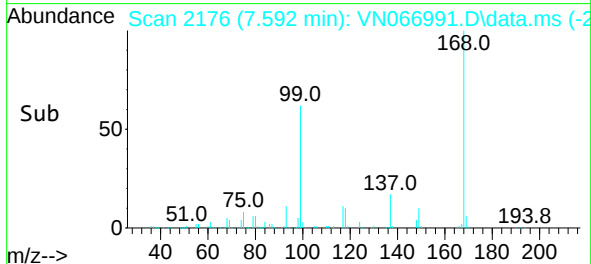
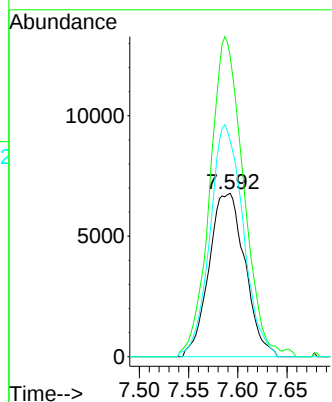


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Instrument :
MSVOA_N
ClientSampleId :

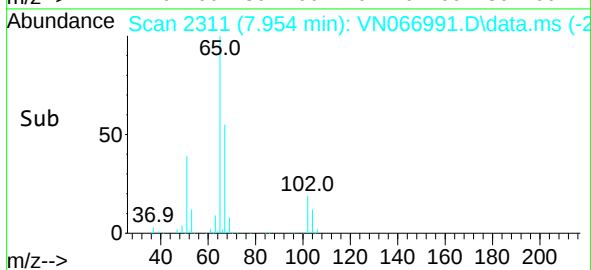
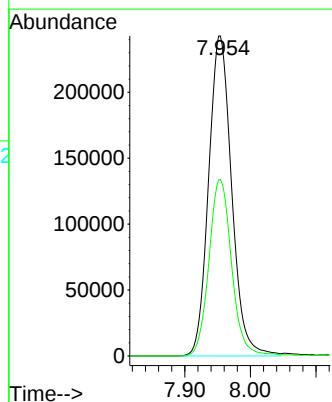
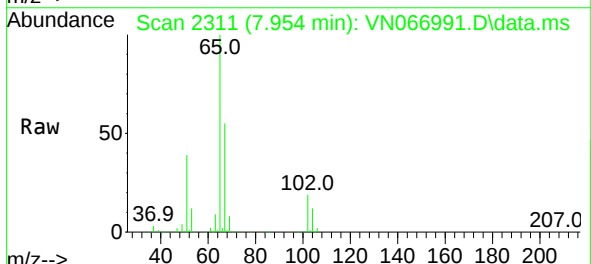


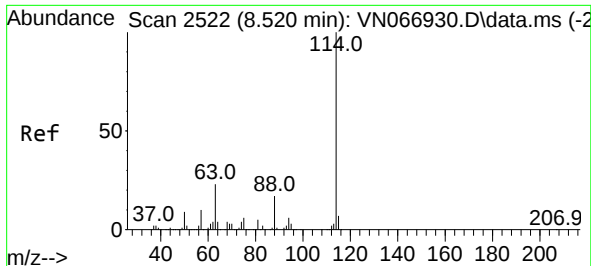
Tgt Ion: 56 Resp: 17248
Ion Ratio Lower Upper
56 100
69 180.9 26.6 39.8#
84 132.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.49 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 65 Resp: 592344
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2

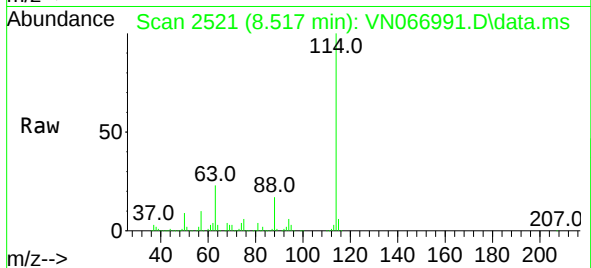




#34

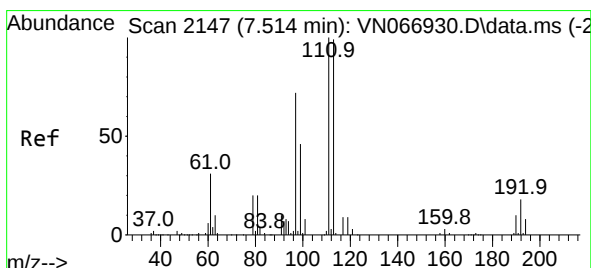
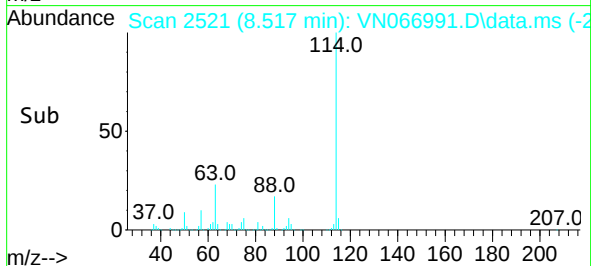
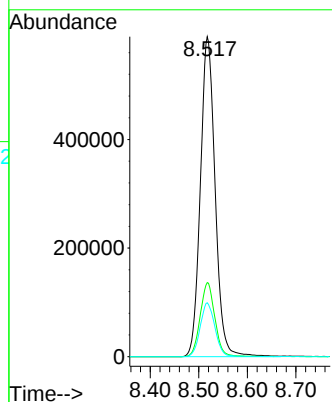
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.517 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Instrument :
MSVOA_N
ClientSampled :



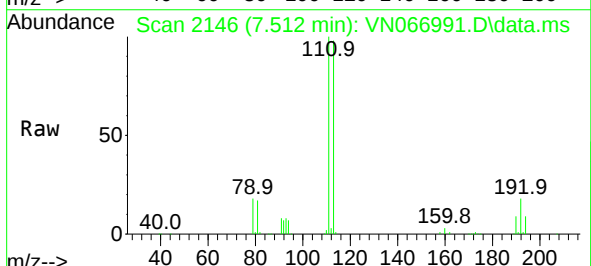
Tgt Ion:114 Resp: 1245633

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	38.6
88	16.9	0.0	30.6



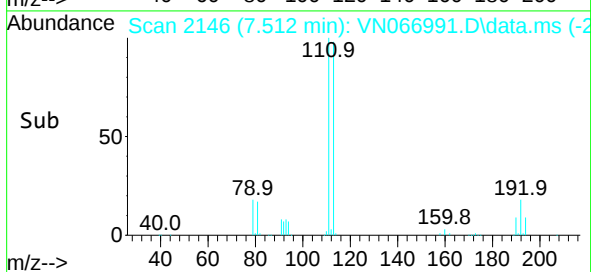
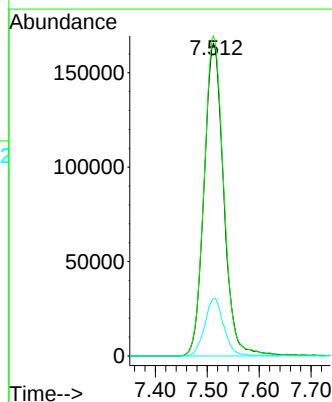
#35

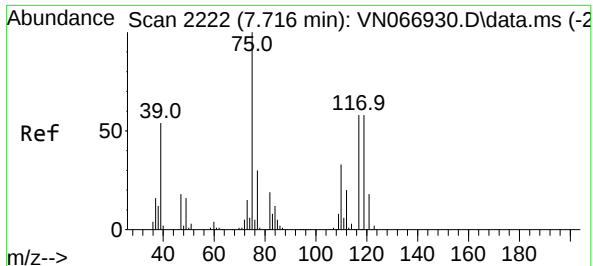
Dibromofluoromethane
Concen: 51.46 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44



Tgt Ion:113 Resp: 435249

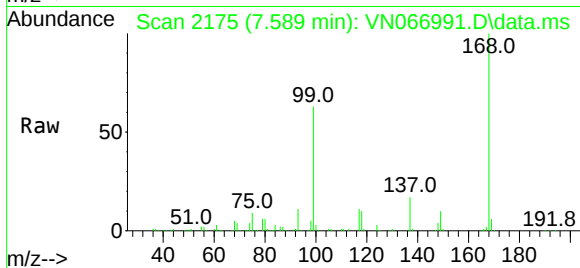
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.2
192	17.9	15.4	23.0



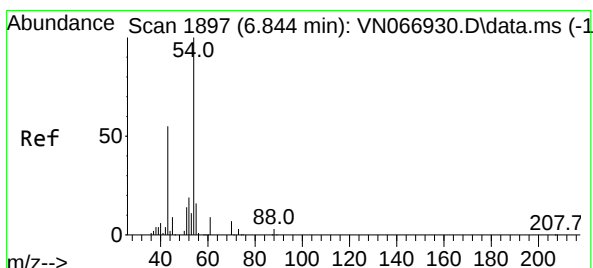
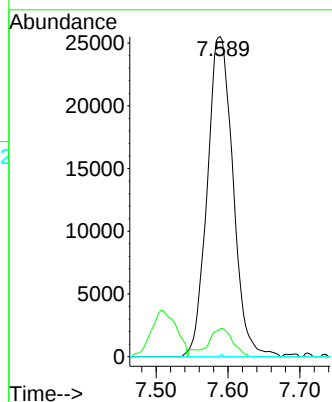
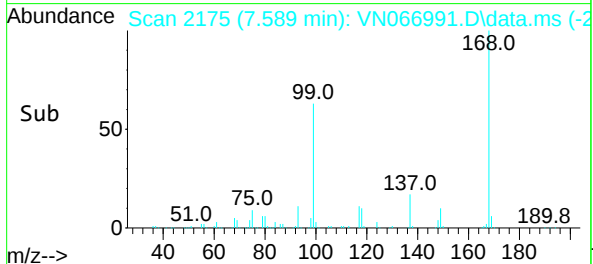


#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

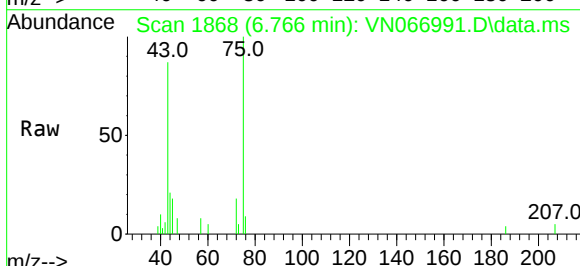
Instrument :
MSVOA_N
ClientSampled :



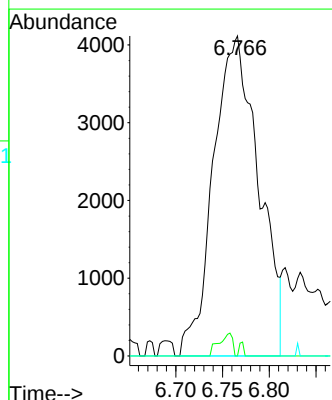
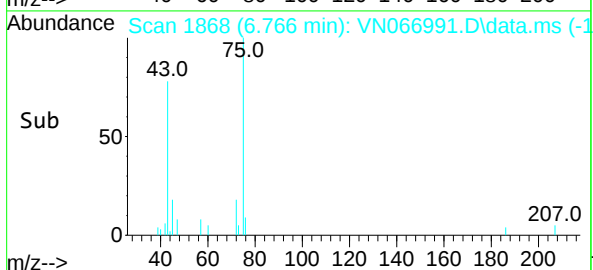
Tgt Ion: 75 Resp: 63561
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.1 24.9 37.3#

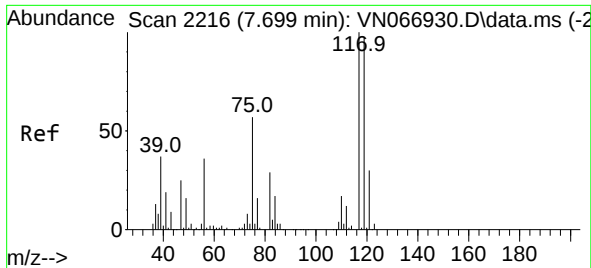


#37
Ethyl Acetate
Concen: 1.05 ug/l
RT: 6.766 min Scan# 1868
Delta R.T. -0.078 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44



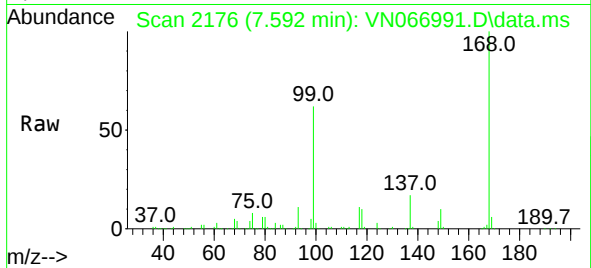
Tgt Ion: 43 Resp: 13862
Ion Ratio Lower Upper
43 100
61 0.4 11.6 17.4#
70 0.0 8.6 13.0#



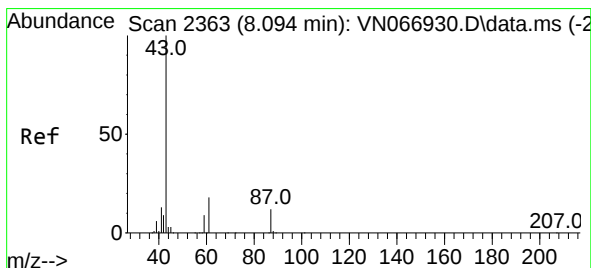
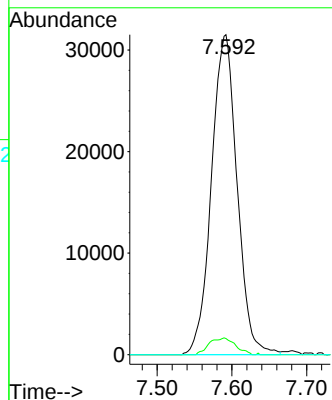
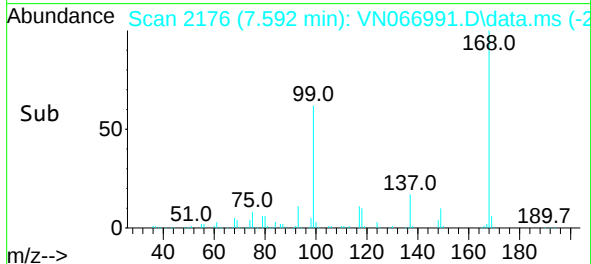


#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

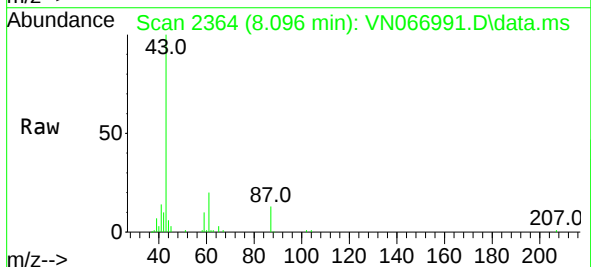
Instrument :
MSVOA_N
ClientSampleId :



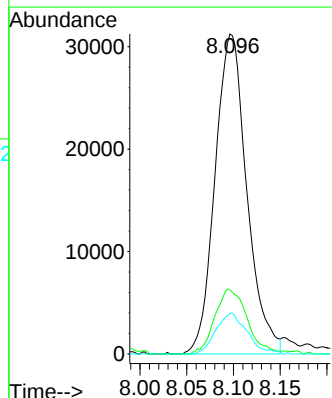
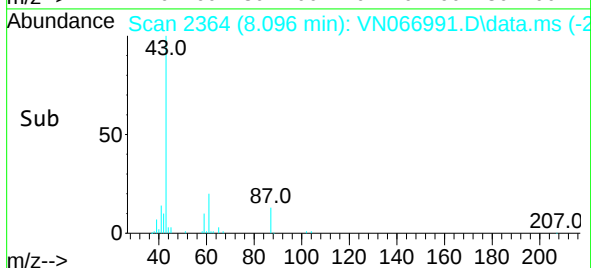
Tgt Ion: 117 Resp: 75150
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.5 36.7#

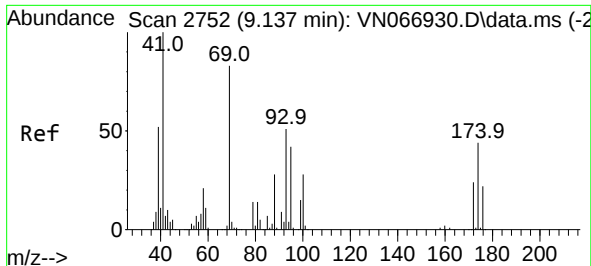


#43
Isopropyl Acetate
Concen: 3.45 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44



Tgt Ion: 43 Resp: 74047
Ion Ratio Lower Upper
43 100
61 20.5 22.5 33.7#
87 12.5 11.1 16.7

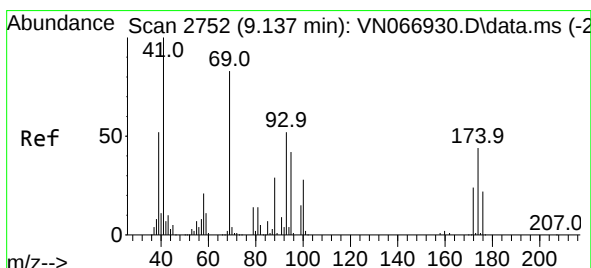
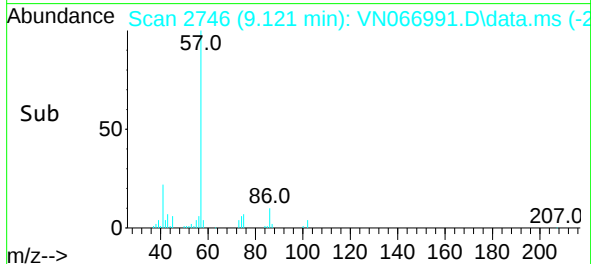
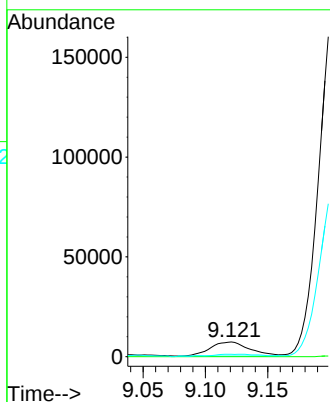
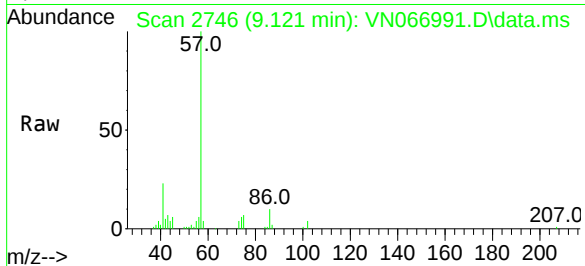




#48
Methyl methacrylate
Concen: 1.63 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

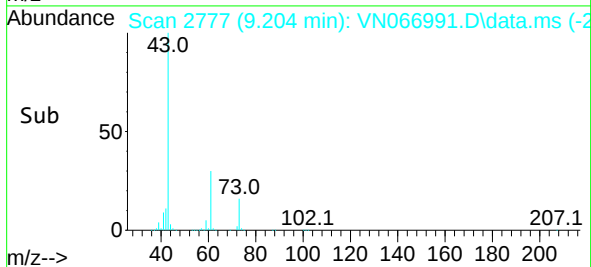
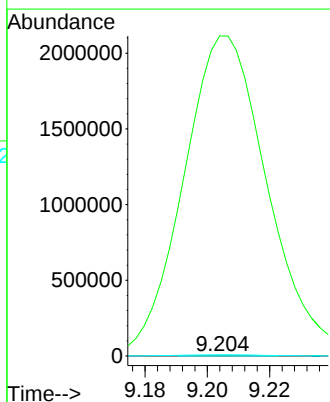
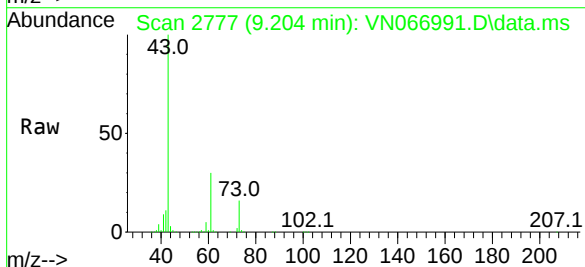
Instrument :
MSVOA_N
ClientSampled :

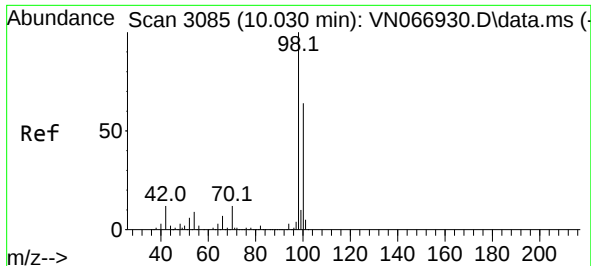
Tgt Ion: 41 Resp: 15507
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 2.62 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.067 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 88 Resp: 395
Ion Ratio Lower Upper
88 100
43 1040411.6 24.7 37.1#
58 4023.8 52.6 78.8#

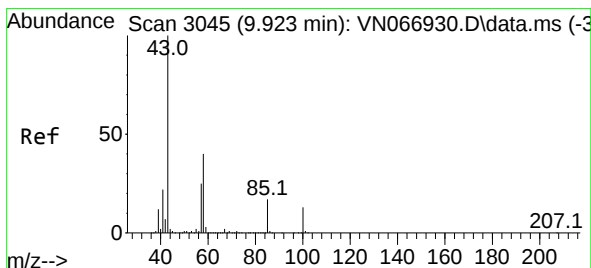
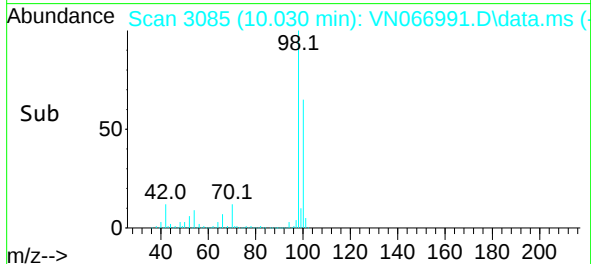
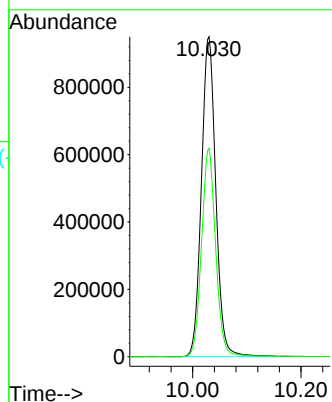
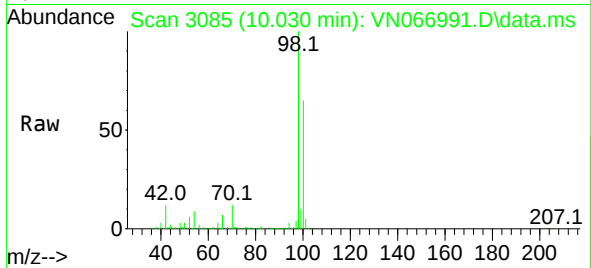




#50
Toluene-d8
Concen: 54.29 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

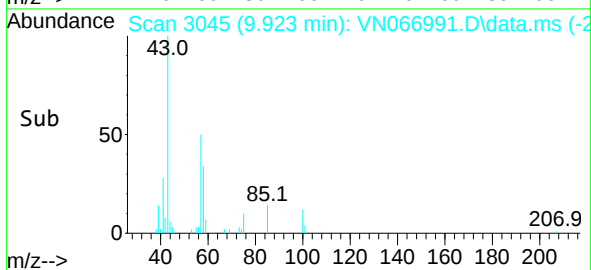
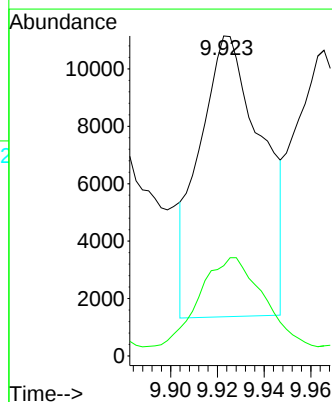
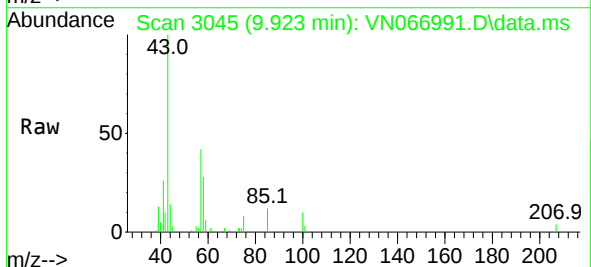
Instrument :
MSVOA_N
ClientSampled :

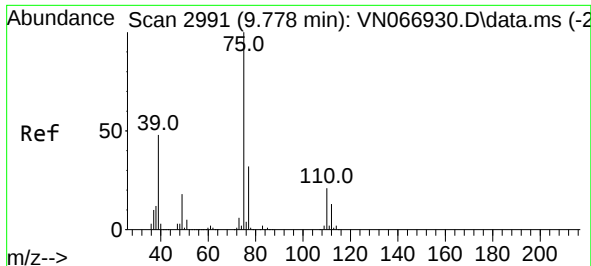
Tgt Ion: 98 Resp: 1748701
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.45 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

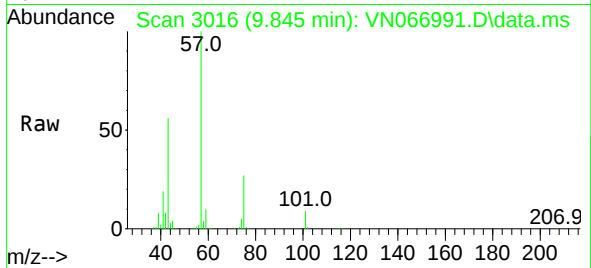
Tgt Ion: 43 Resp: 18011
Ion Ratio Lower Upper
43 100
58 34.2 32.5 48.7



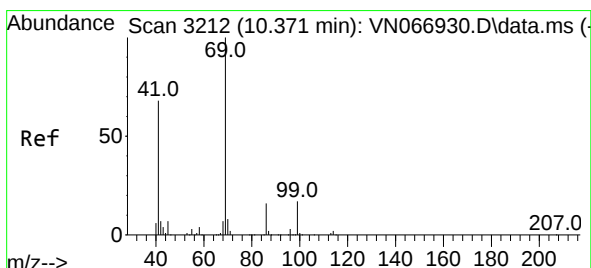
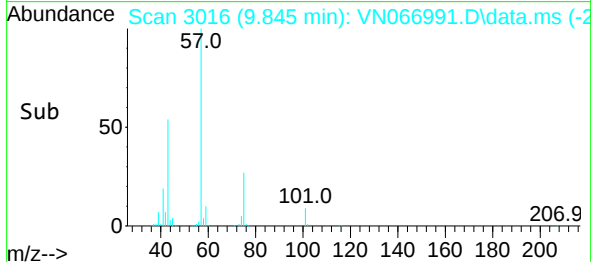
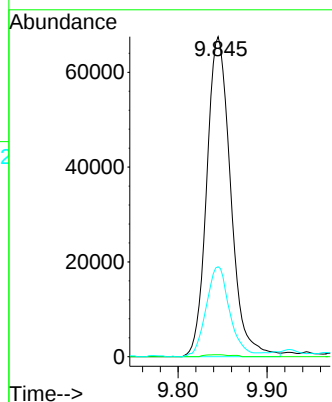


#54
cis-1,3-Dichloropropene
Concen: 7.37 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Instrument :
MSVOA_N
ClientSampled :

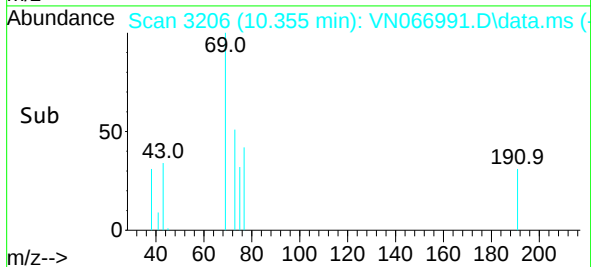
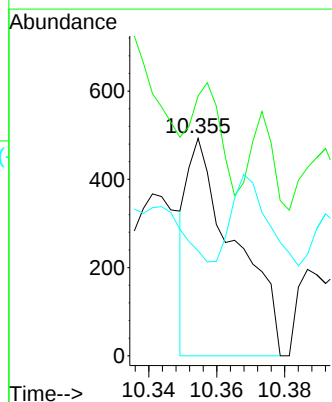
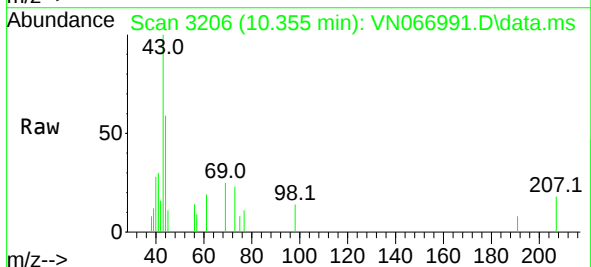


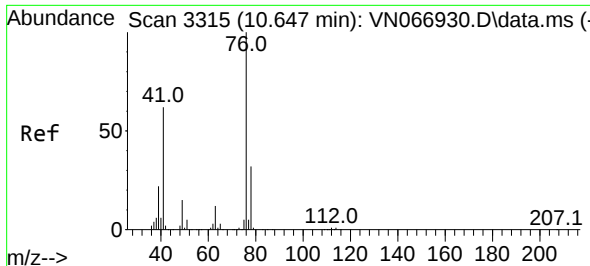
Tgt Ion: 75 Resp: 125813
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 28.1 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.22 ug/l
RT: 10.355 min Scan# 3206
Delta R.T. -0.016 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 69 Resp: 476
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

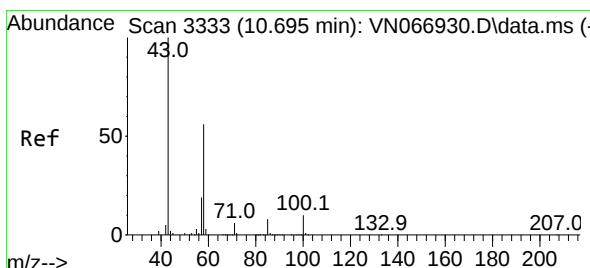
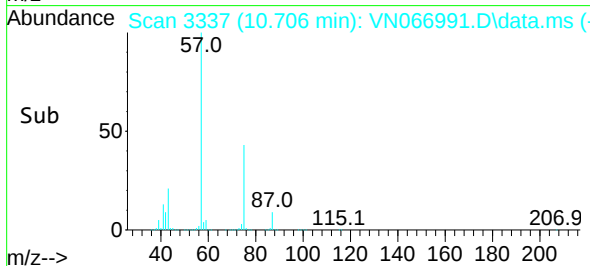
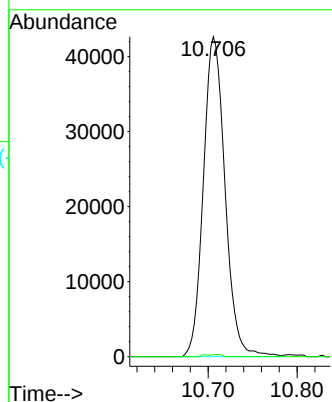
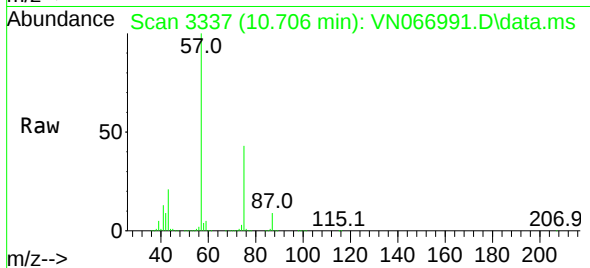




#57
1,3-Dichloropropane
Concen: 4.28 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

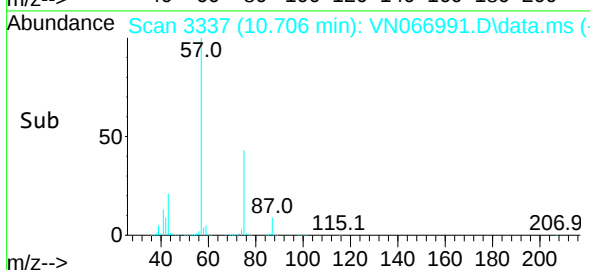
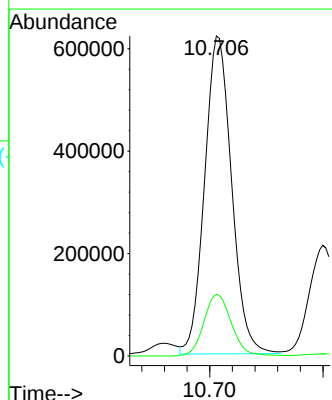
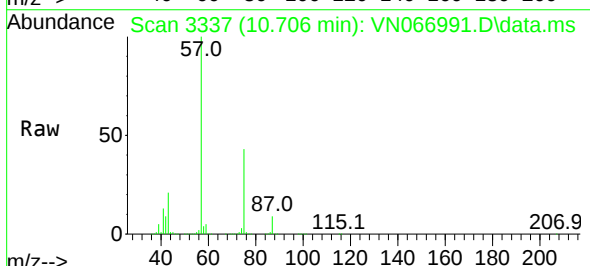
Instrument :
MSVOA_N
ClientSampled :

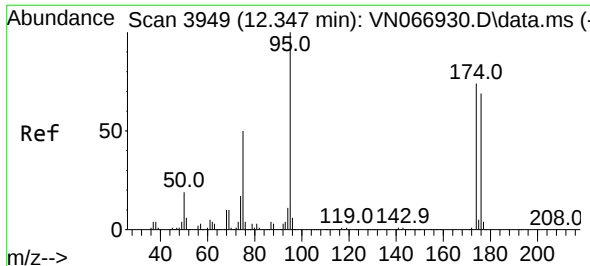
Tgt Ion: 76 Resp: 71968
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 128.59 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 43 Resp: 1024983
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#

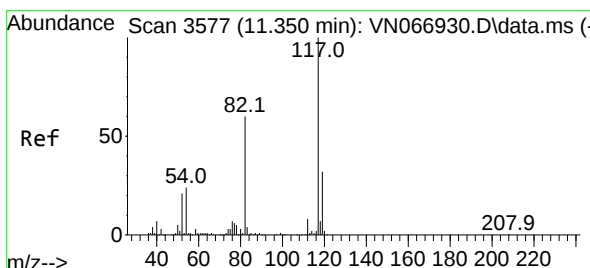
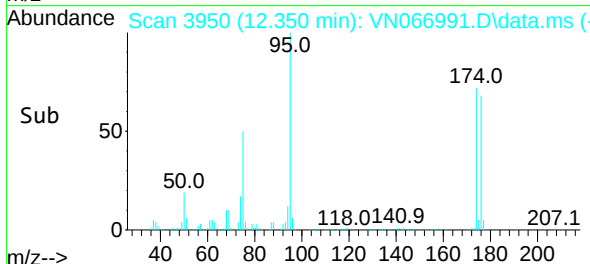
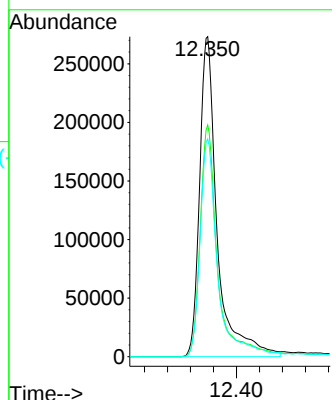
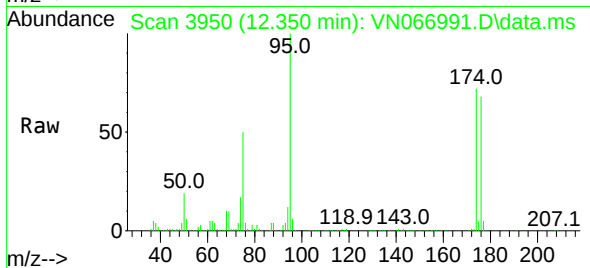




#62
4-Bromofluorobenzene
Concen: 53.28 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

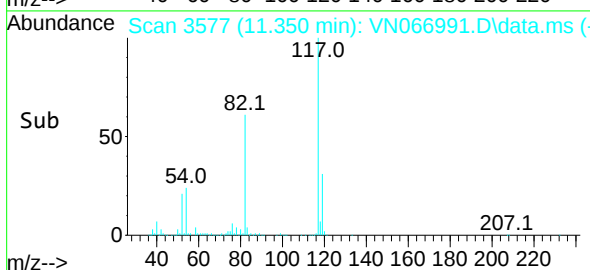
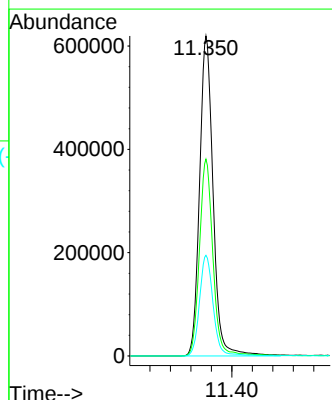
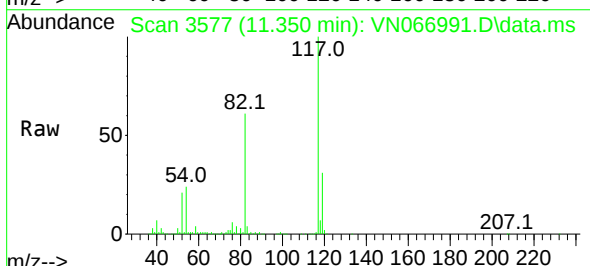
Instrument :
MSVOA_N
ClientSampleId :

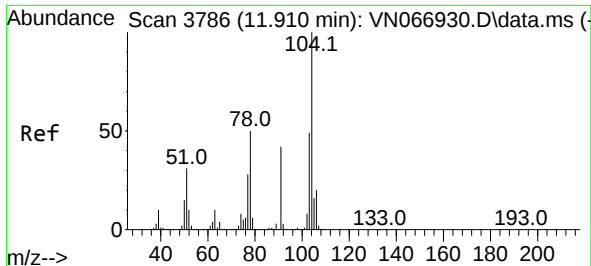
Tgt Ion: 95 Resp: 581097
Ion Ratio Lower Upper
95 100
174 72.3 0.0 169.0
176 67.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 117 Resp: 1135712
Ion Ratio Lower Upper
117 100
82 61.5 43.7 65.5
119 31.5 26.1 39.1

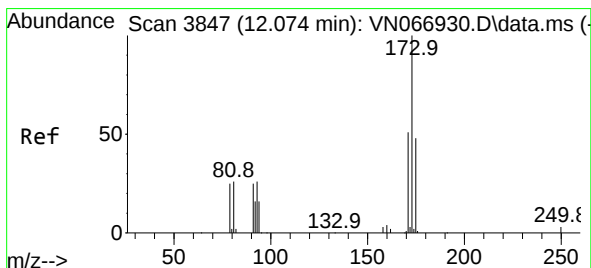
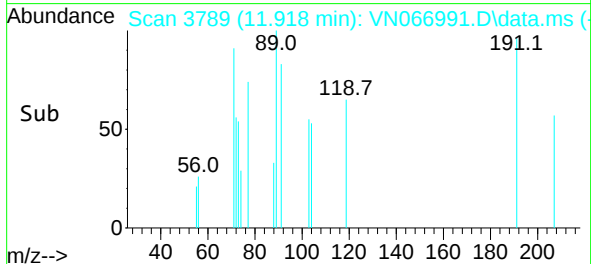
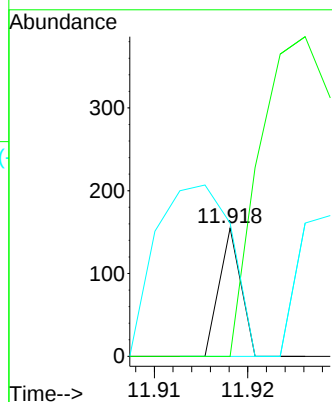
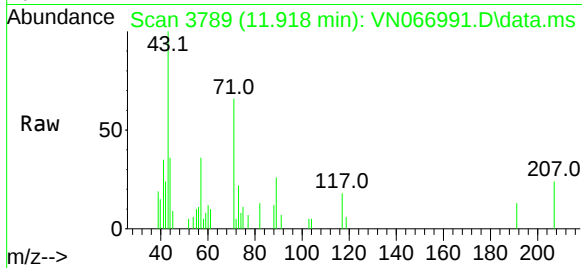




#70
Styrene
Concen: 4.71 ug/l
RT: 11.918 min Scan# 3789
Delta R.T. 0.008 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

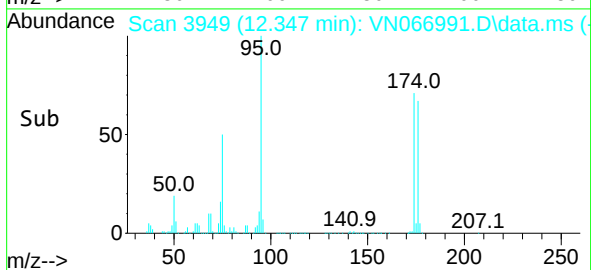
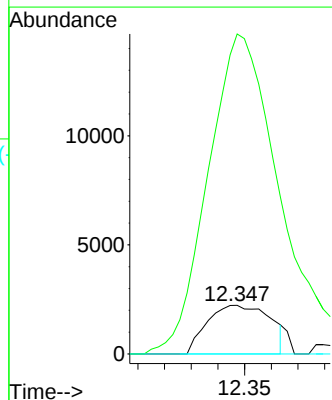
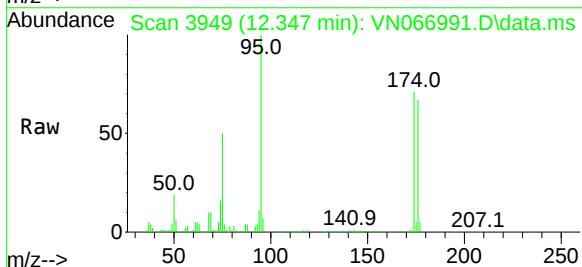
Instrument :
MSVOA_N
ClientSampled :

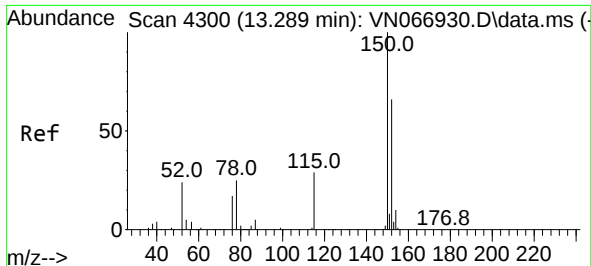
Tgt Ion:104 Resp: 25
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 464.0 44.5 66.7#



#71
Bromoform
Concen: 0.54 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.273 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion:173 Resp: 3646
Ion Ratio Lower Upper
173 100
175 635.1 23.8 71.2#
254 0.0 0.0 0.0

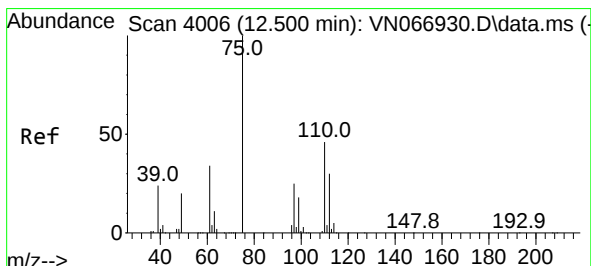
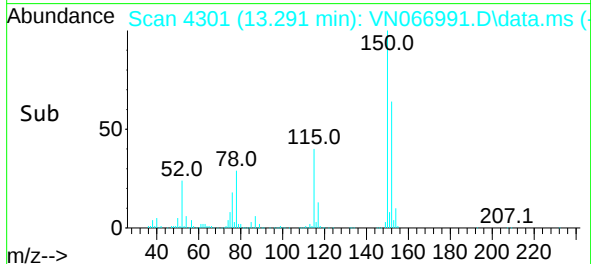
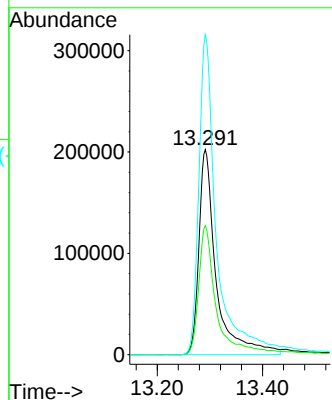
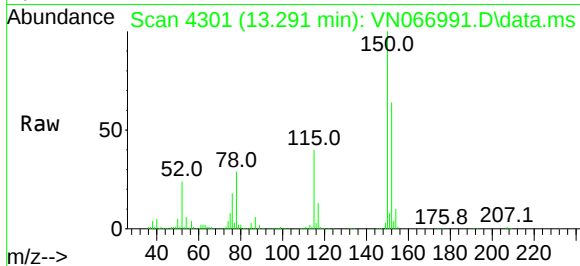




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

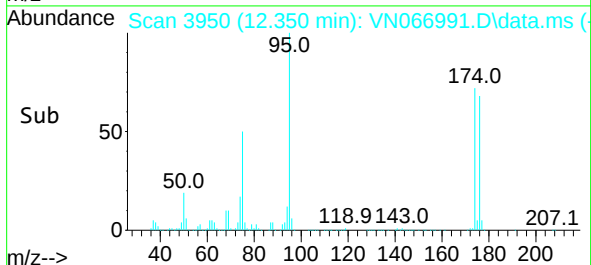
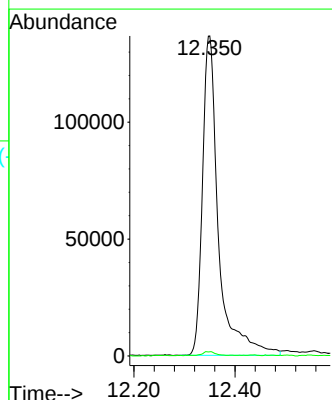
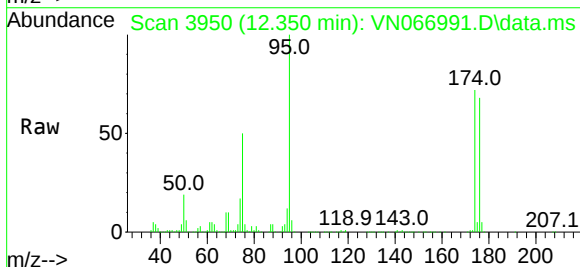
Instrument :
MSVOA_N
ClientSampled :

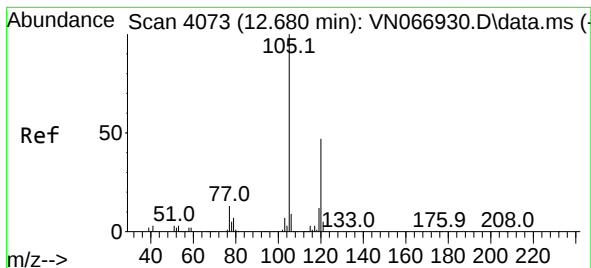
Tgt Ion:152 Resp: 463254
Ion Ratio Lower Upper
152 100
115 64.3 28.5 85.6
150 159.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 27.25 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 75 Resp: 300677
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#

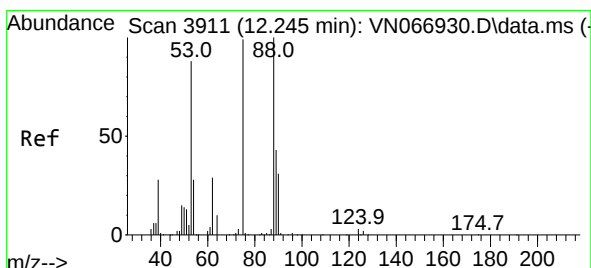
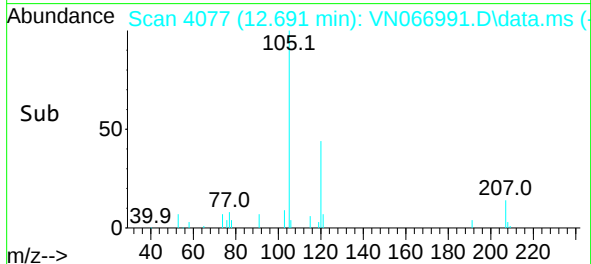
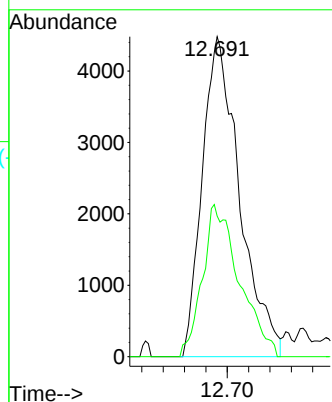
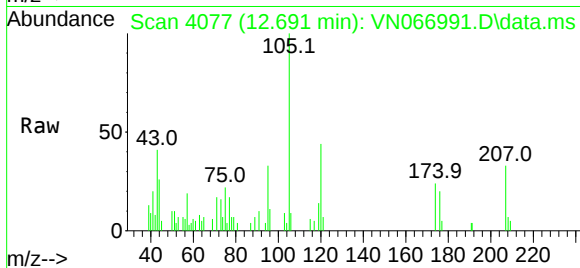




#80
1,3,5-Trimethylbenzene
Concen: 0.35 ug/l
RT: 12.691 min Scan# 4077
Delta R.T. 0.011 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

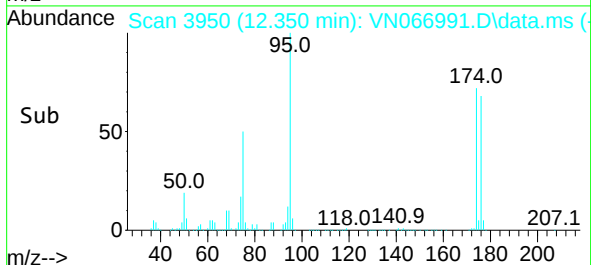
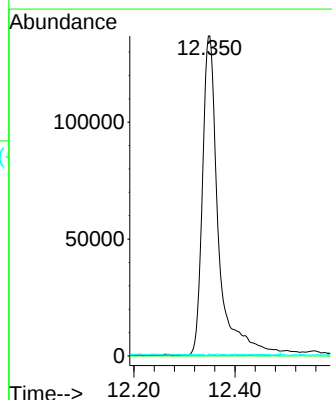
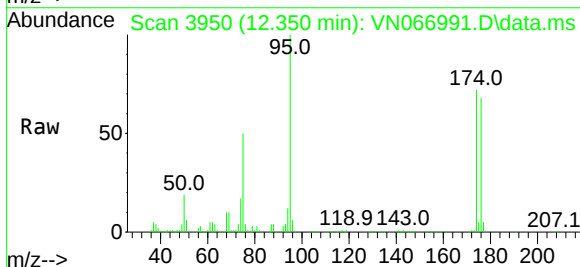
Instrument :
MSVOA_N
ClientSampled :

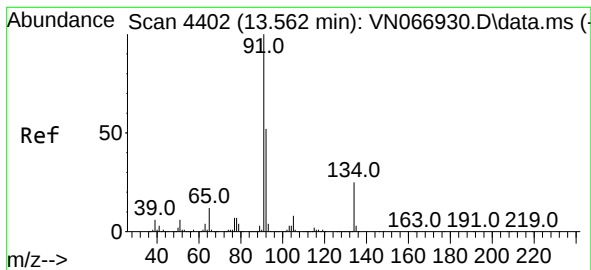
Tgt Ion:105 Resp: 10875
Ion Ratio Lower Upper
105 100
120 47.0 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 81.49 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066991.D
Acq: 5 May 2021 16:44

Tgt Ion: 75 Resp: 300677
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#





#89

n-Butylbenzene

Concen: 5.25 ug/l

RT: 13.551 min Scan# 4398

Delta R.T. -0.011 min

Lab File: VN066991.D

Acq: 5 May 2021 16:44

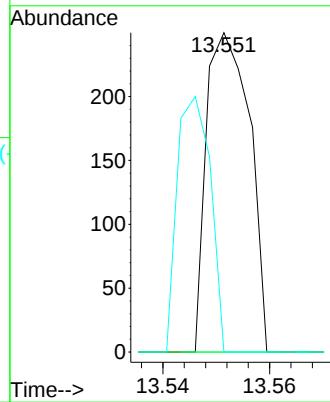
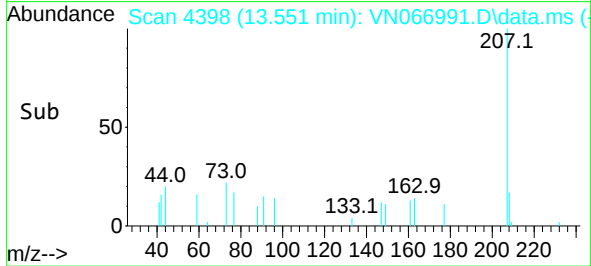
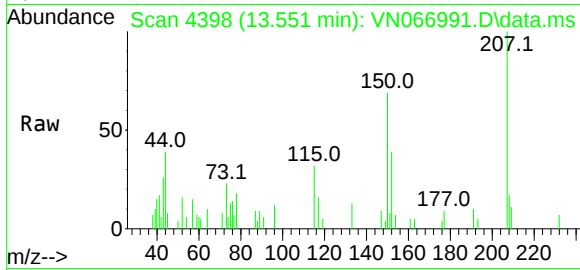
Tgt Ion: 91 Resp: 140

Ion Ratio Lower Upper

91 100

92 0.0 26.1 78.3#

134 61.4 13.0 38.9#



Instrument :
MSVOA_N
ClientSampleId :