

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066975.D
 Acq On : 5 May 2021 7:58
 Operator : JC/MD
 Sample : M2256-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 08:27:32 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)

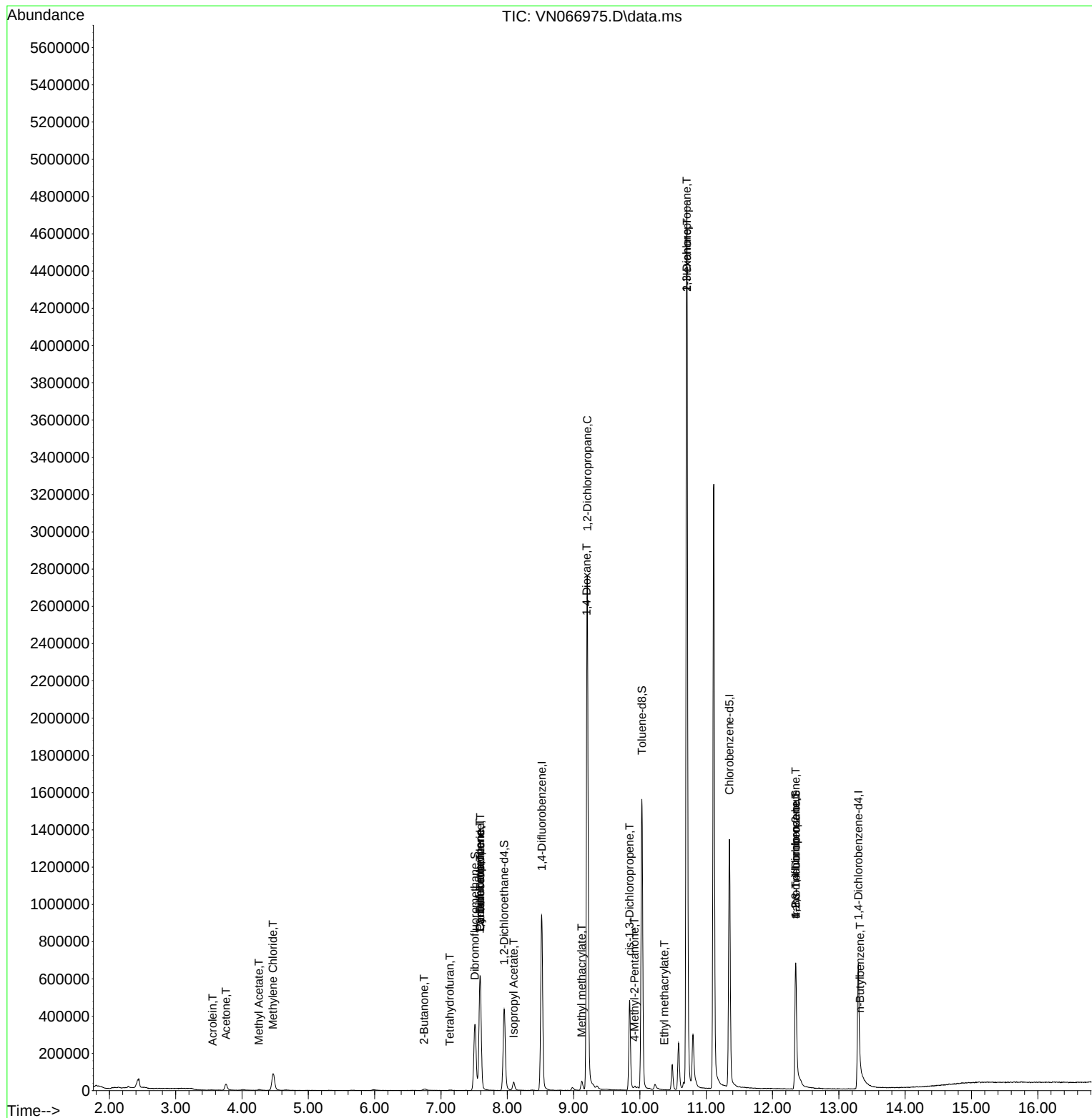
Internal Standards						
1) Pentafluorobenzene	7.592	168	468649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	811149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	759562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	265188	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	393875	53.39	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.78%			
35) Dibromofluoromethane	7.512	113	276909	50.27	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.54%			
50) Toluene-d8	10.030	98	1080103	51.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.98%			
62) 4-Bromofluorobenzene	12.350	95	295542	41.61	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.22%			
Target Compounds					Qvalue	
13) Acrolein	3.559	56	883	1.02	ug/l	93
16) Acetone	3.757	43	58292	22.46	ug/l	100
18) Methyl Acetate	4.256	43	8636	1.16	ug/l #	86
20) Methylene Chloride	4.465	84	65622	9.97	ug/l	95
25) 2-Butanone	6.747	43	2422	0.63	ug/l #	85
29) Tetrahydrofuran	7.134	42	726	0.29	ug/l #	55
31) Cyclohexane	7.590	56	11569	1.11	ug/l #	13
36) 1,1-Dichloropropene	7.587	75	41631	4.93	ug/l #	49
38) Carbon Tetrachloride	7.592	117	48790	5.54	ug/l #	18
43) Isopropyl Acetate	8.096	43	54395	3.89	ug/l #	87
45) 1,2-Dichloropropane	9.207	63	3430	0.46	ug/l #	44
48) Methyl methacrylate	9.121	41	12661	2.04	ug/l #	10
49) 1,4-Dioxane	9.199	88	273	2.78	ug/l #	1
51) 4-Methyl-2-Pentanone	9.920	43	5655	0.70	ug/l #	55
54) cis-1,3-Dichloropropene	9.845	75	86965	7.82	ug/l #	66
56) Ethyl methacrylate	10.371	69	185	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	48255	4.40	ug/l #	43
59) 2-Hexanone	10.709	43	713989	135.58	ug/l #	50
76) 1,2,3-Trichloropropane	12.350	75	148555	23.52	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	148555	71.09	ug/l #	13
89) n-Butylbenzene	13.321	91	83	5.25	ug/l #	26

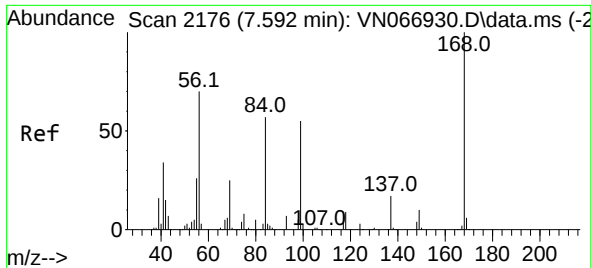
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

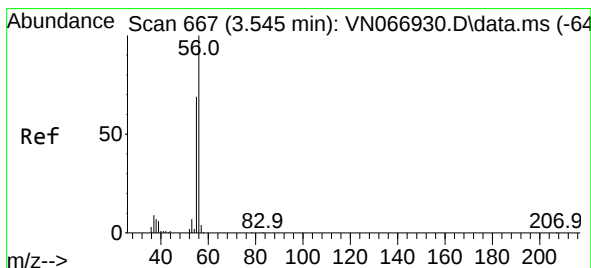
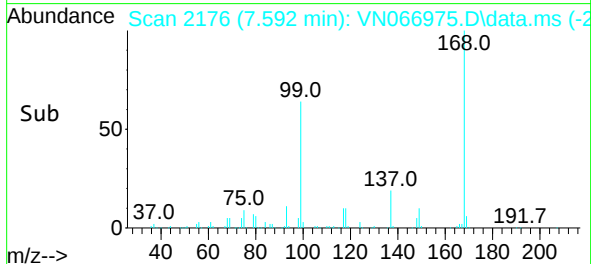
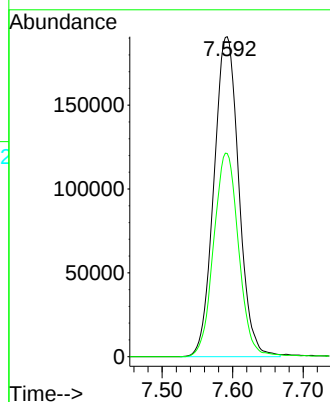
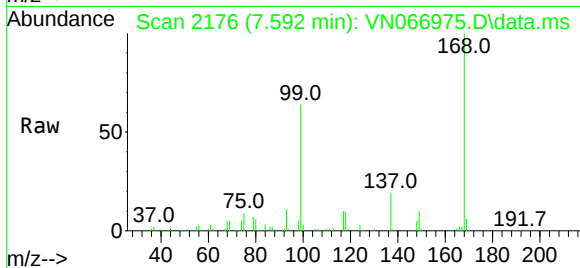




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

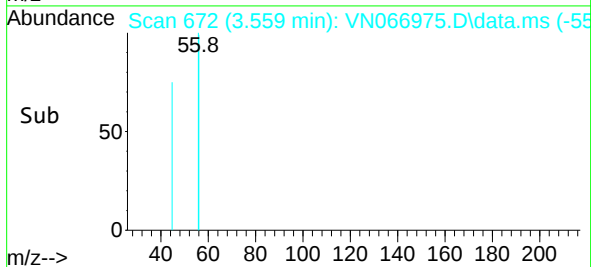
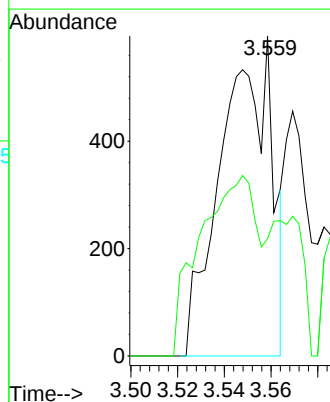
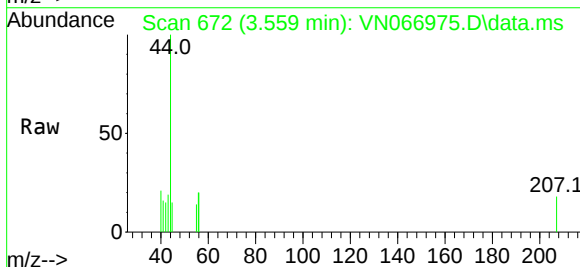
Instrument :
MSVOA_N
ClientSampleId :

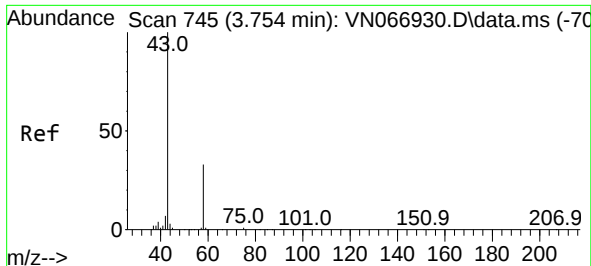
Tgt Ion:168 Resp: 468649
Ion Ratio Lower Upper
168 100
99 63.5 42.6 63.8



#13
Acrolein
Concen: 1.02 ug/l
RT: 3.559 min Scan# 672
Delta R.T. 0.014 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

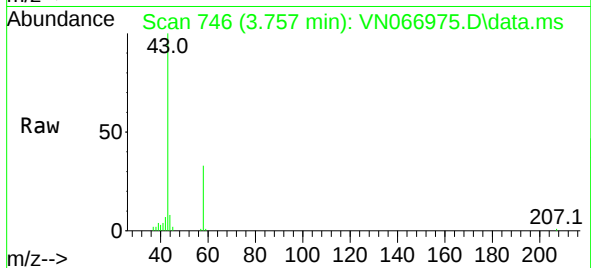
Tgt Ion: 56 Resp: 883
Ion Ratio Lower Upper
56 100
55 64.3 56.0 84.0



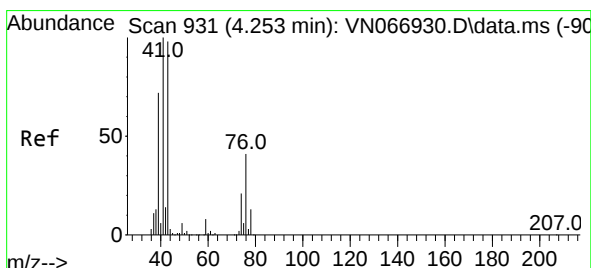
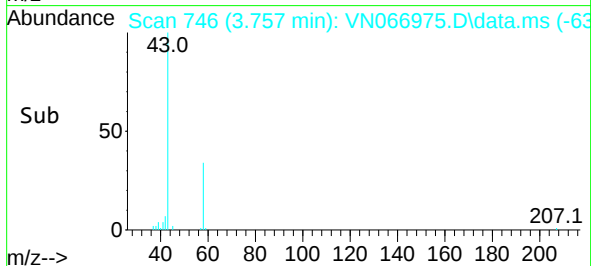
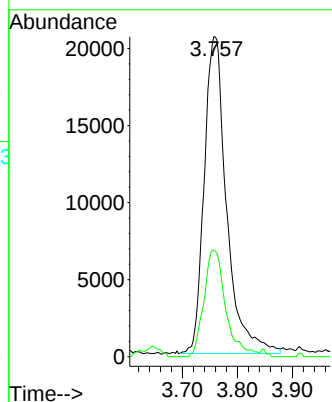


#16
Acetone
Concen: 22.46 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Instrument :
MSVOA_N
ClientSampled :

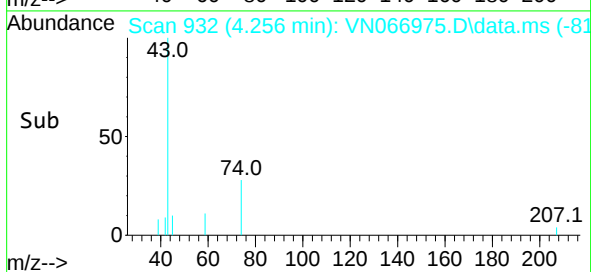
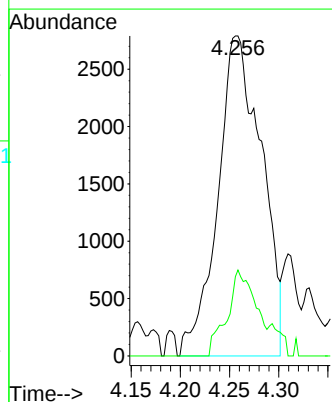
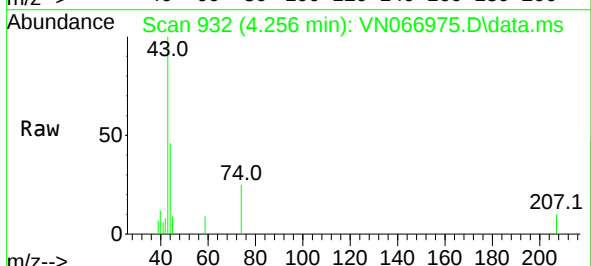


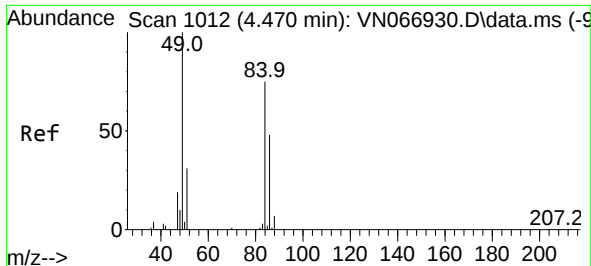
Tgt Ion: 43 Resp: 58292
Ion Ratio Lower Upper
43 100
58 33.7 27.0 40.6



#18
Methyl Acetate
Concen: 1.16 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

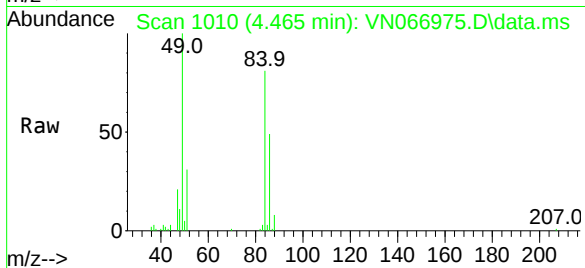
Tgt Ion: 43 Resp: 8636
Ion Ratio Lower Upper
43 100
74 17.5 19.5 29.3#



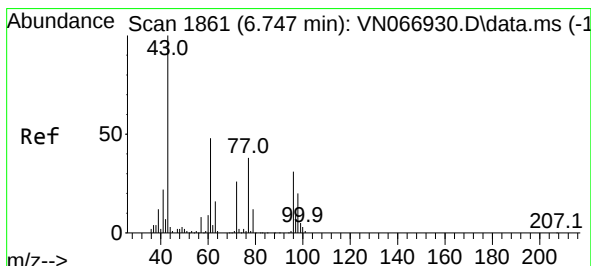
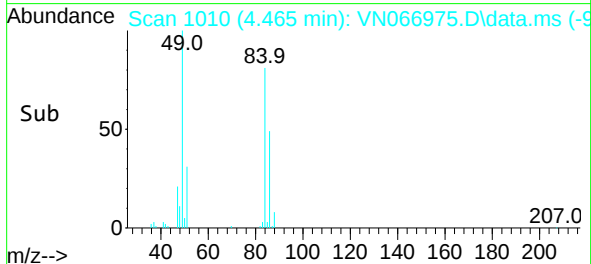
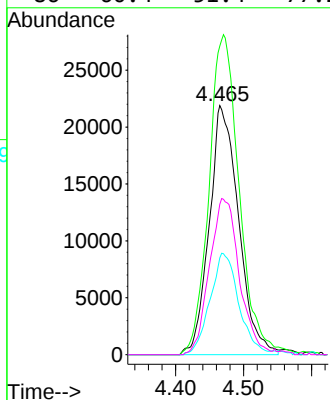


#20
Methylene Chloride
Concen: 9.97 ug/l
RT: 4.465 min Scan# 1010
Delta R.T. -0.005 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Instrument :
MSVOA_N
ClientSampleId :

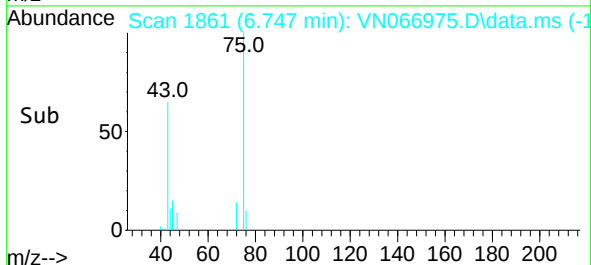
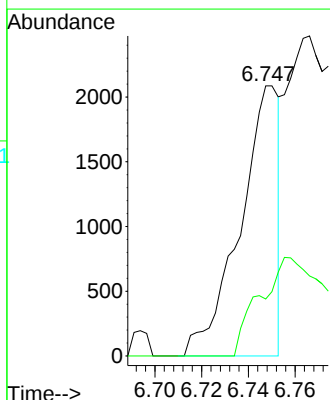
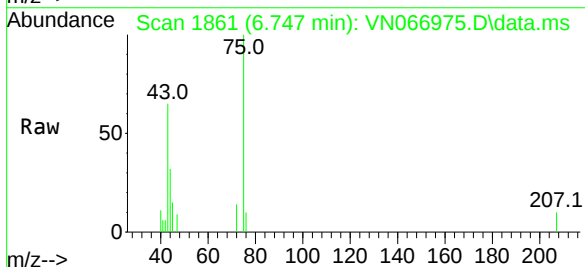


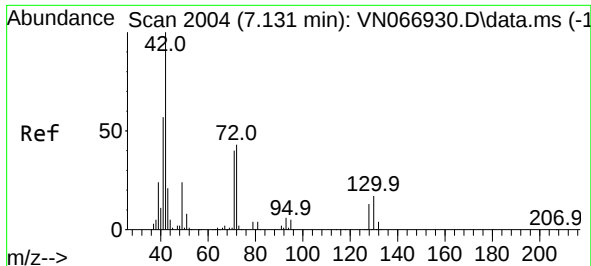
Tgt Ion: 84	Resp: 65622
Ion Ratio	Lower Upper
84 100	
49 123.9	94.6 141.8
51 38.8	29.9 44.9
86 60.4	51.4 77.2



#25
2-Butanone
Concen: 0.63 ug/l
RT: 6.747 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion: 43	Resp: 2422		
Ion Ratio	Lower	Upper	
43 100			
72 21.1	23.1	34.7#	

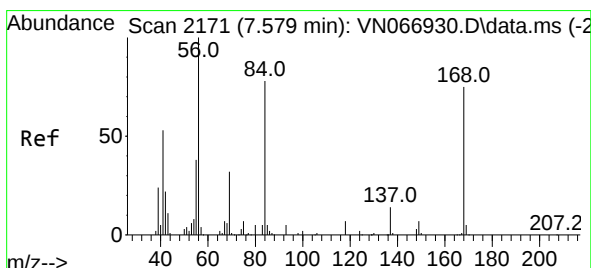
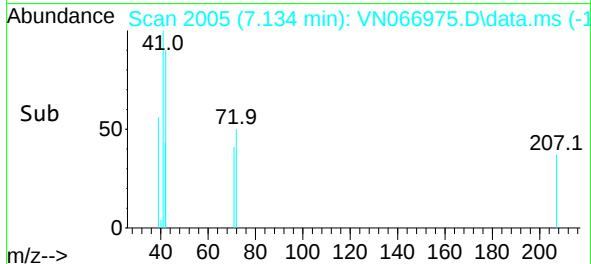
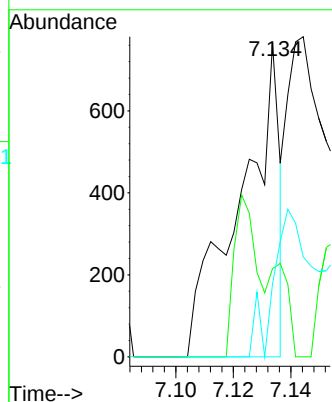
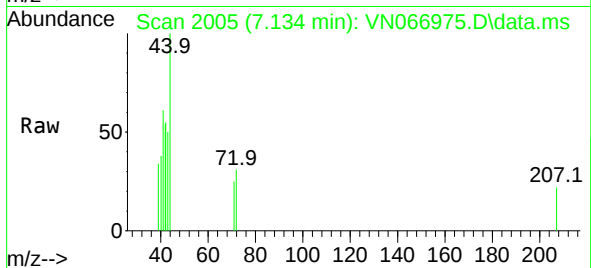




#29
Tetrahydrofuran
Concen: 0.29 ug/l
RT: 7.134 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

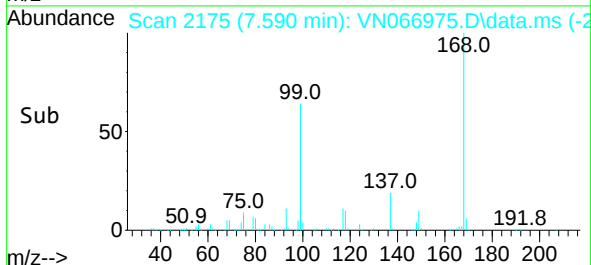
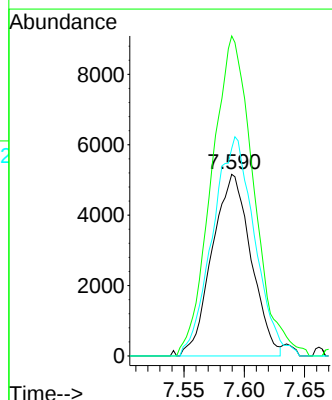
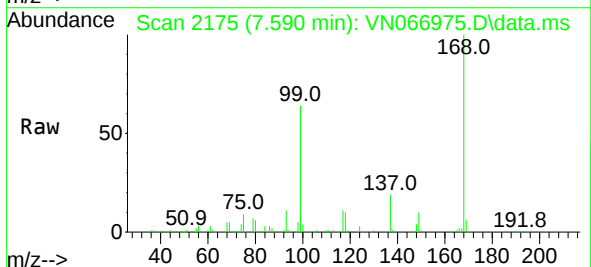
Instrument :
MSVOA_N
ClientSampled :

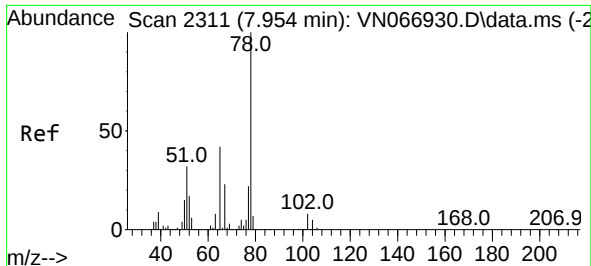
Tgt Ion: 42 Resp: 726
Ion Ratio Lower Upper
42 100
72 30.3 36.6 55.0#
71 0.0 34.3 51.5#



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. 0.011 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion: 56 Resp: 11569
Ion Ratio Lower Upper
56 100
69 171.7 26.6 39.8#
84 114.3 70.4 105.6#

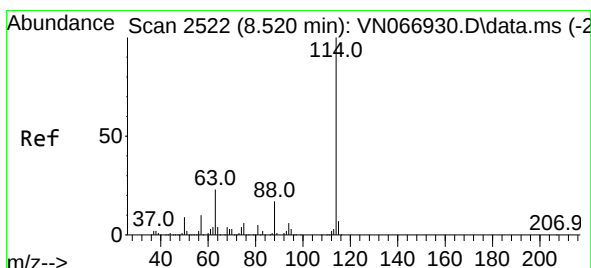
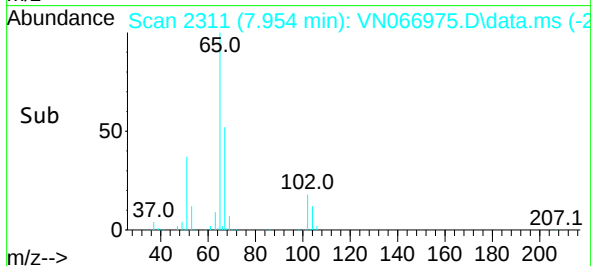
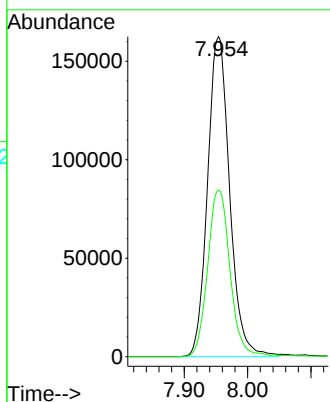
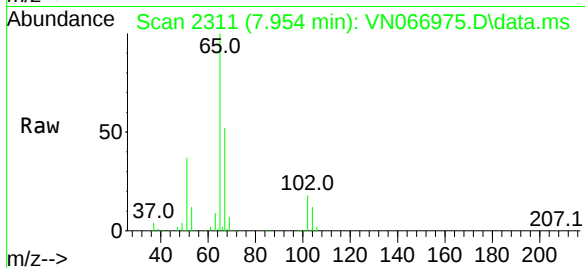




#33
 1,2-Dichloroethane-d4
 Concen: 53.39 ug/l
 RT: 7.954 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: VN066975.D
 Acq: 5 May 2021 7:58

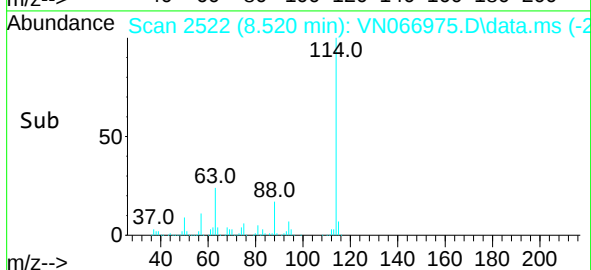
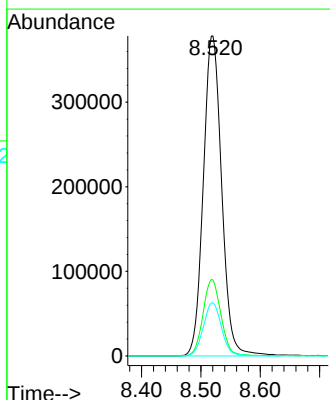
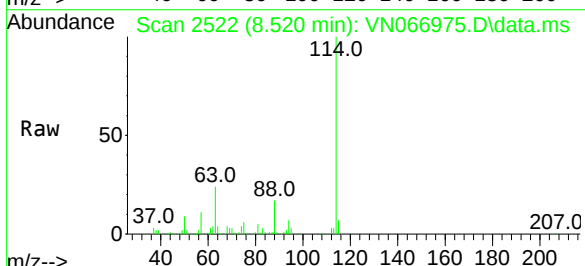
Instrument :
 MSVOA_N
 ClientSampled :

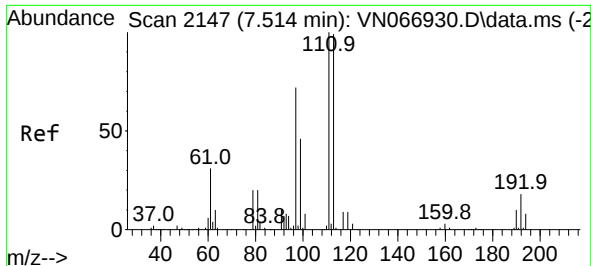
Tgt Ion: 65 Resp: 393875
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: VN066975.D
 Acq: 5 May 2021 7:58

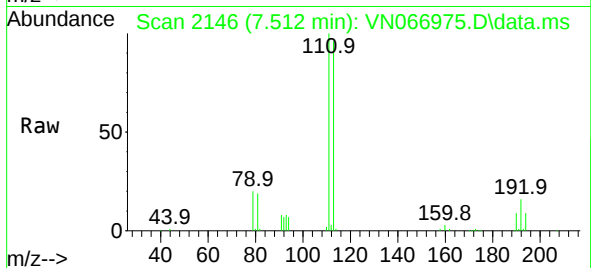
Tgt Ion: 114 Resp: 811149
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 38.6
 88 16.6 0.0 30.6



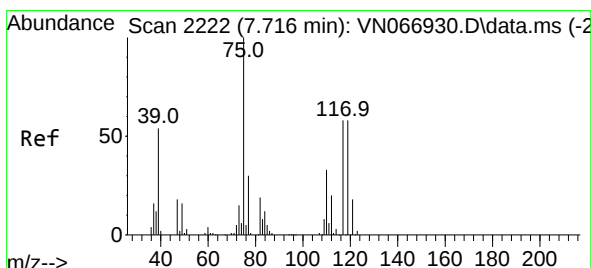
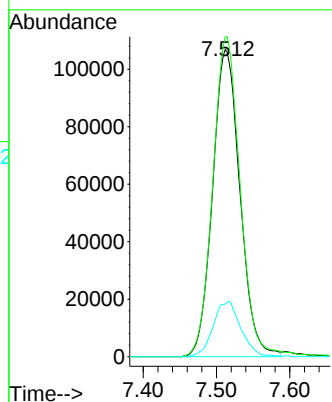
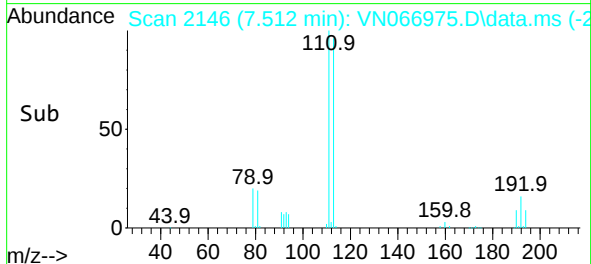


#35
Dibromofluoromethane
Concen: 50.27 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

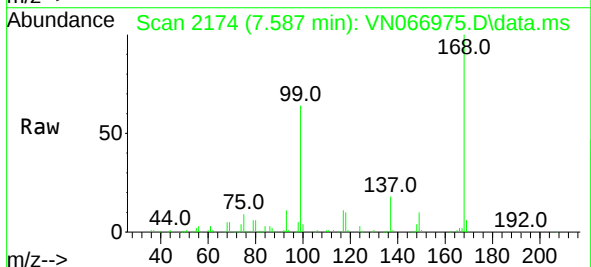
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MSVOA_N
ClientSampleId :



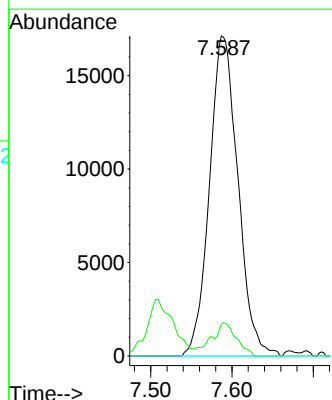
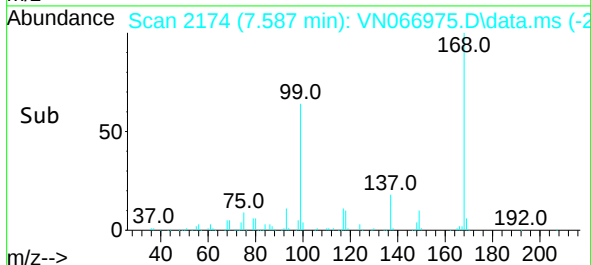
Tgt Ion:113 Resp: 276909
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 18.2 15.4 23.0

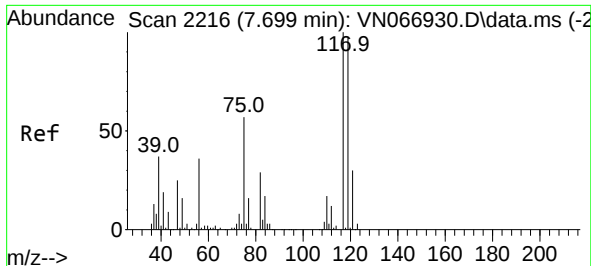


#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.129 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58



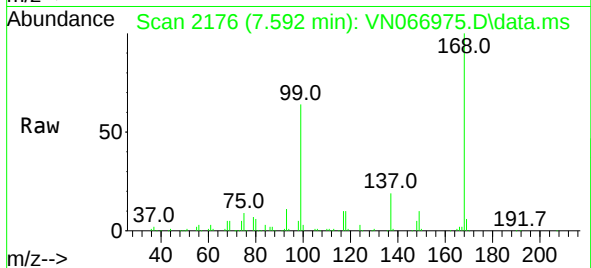
Tgt Ion: 75 Resp: 41631
Ion Ratio Lower Upper
75 100
110 8.6 18.2 54.6#
77 0.0 24.9 37.3#



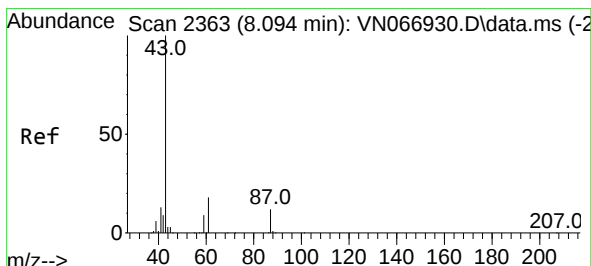
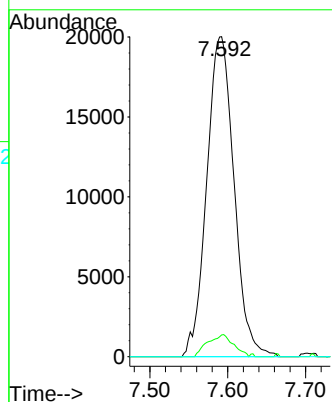
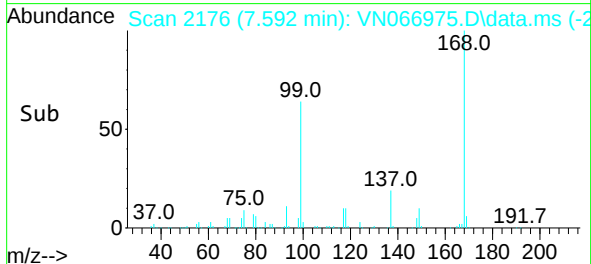


#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

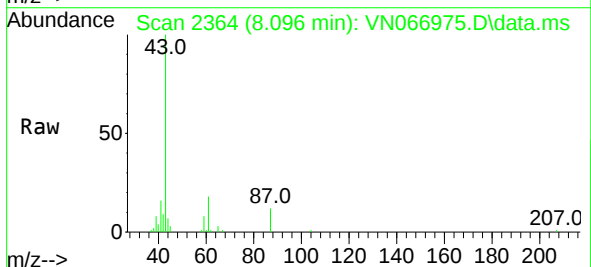
Instrument :
MSVOA_N
ClientSampleId :



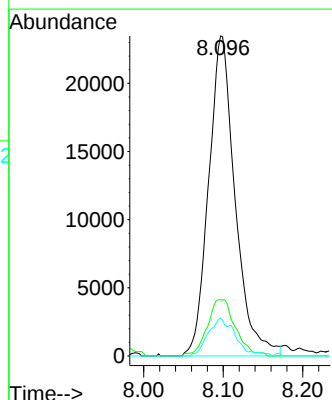
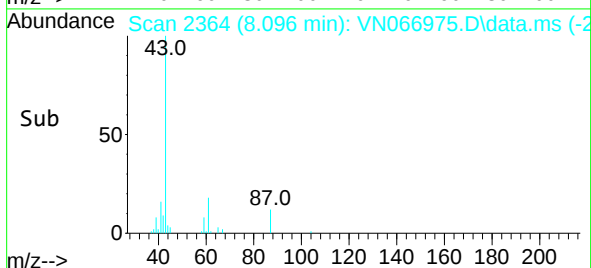
Tgt Ion:117 Resp: 48790
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 24.5 36.7#

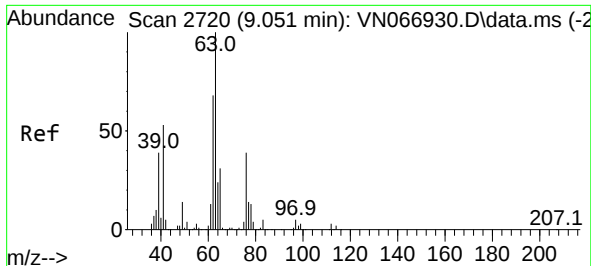


#43
Isopropyl Acetate
Concen: 3.89 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58



Tgt Ion: 43 Resp: 54395
Ion Ratio Lower Upper
43 100
61 18.6 22.5 33.7#
87 12.2 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.46 ug/l

RT: 9.207 min Scan# 2778

Delta R.T. 0.156 min

Lab File: VN066975.D

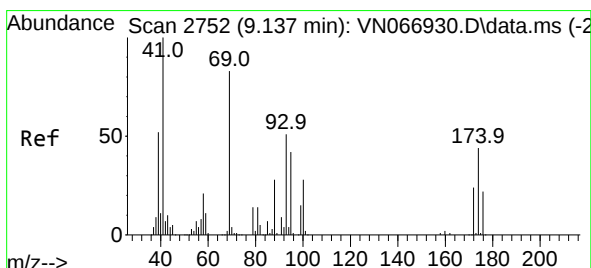
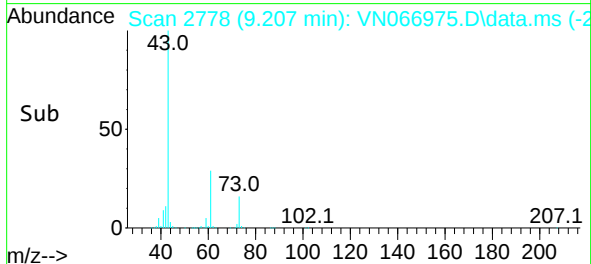
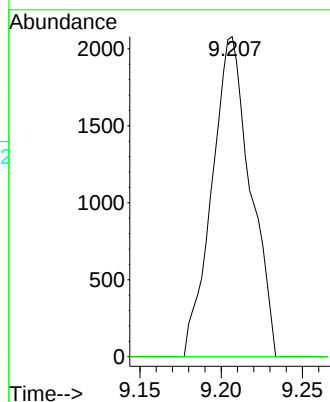
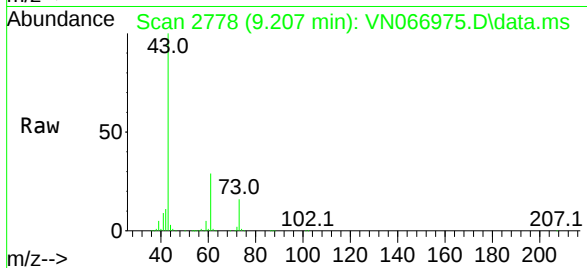
Acq: 5 May 2021 7:58

Tgt Ion: 63 Resp: 3430

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.04 ug/l

RT: 9.121 min Scan# 2746

Delta R.T. -0.016 min

Lab File: VN066975.D

Acq: 5 May 2021 7:58

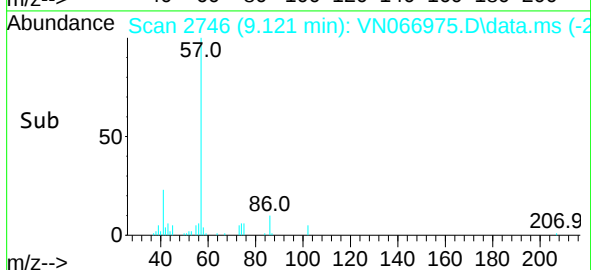
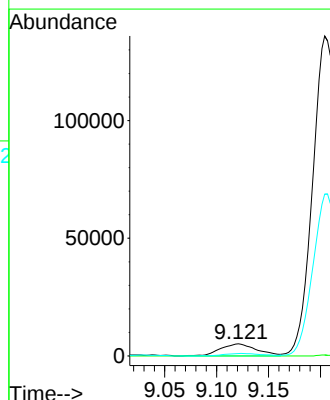
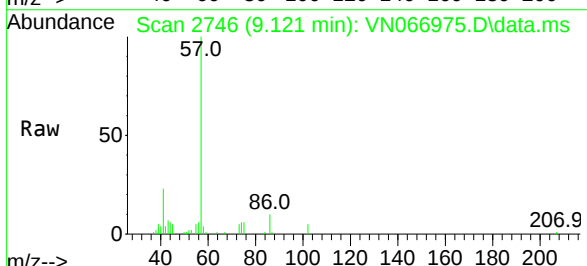
Tgt Ion: 41 Resp: 12661

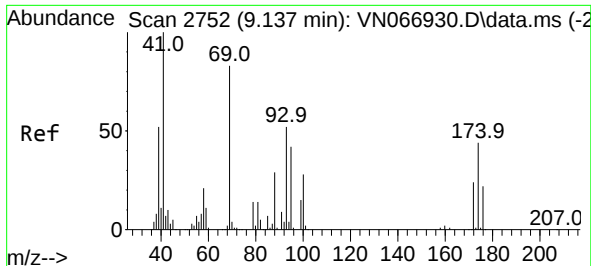
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 2.78 ug/l

RT: 9.199 min Scan# 2775

Delta R.T. 0.062 min

Lab File: VN066975.D

Acq: 5 May 2021 7:58

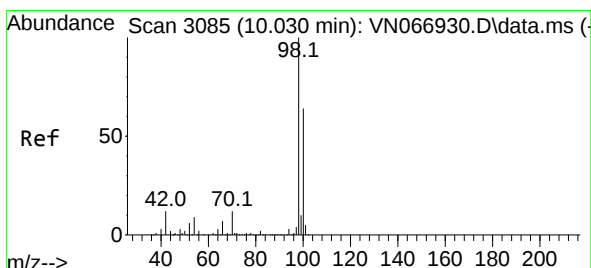
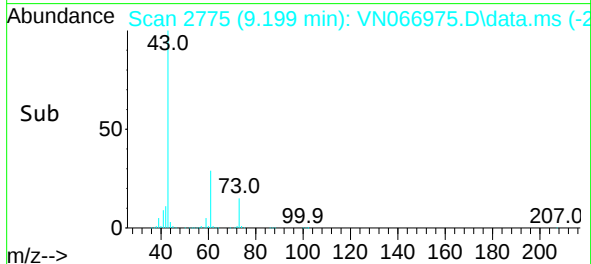
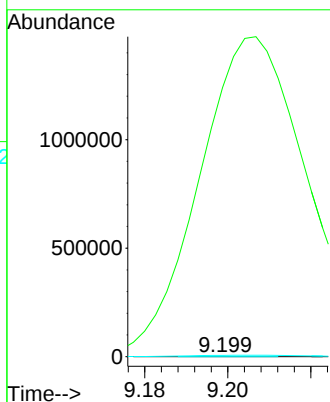
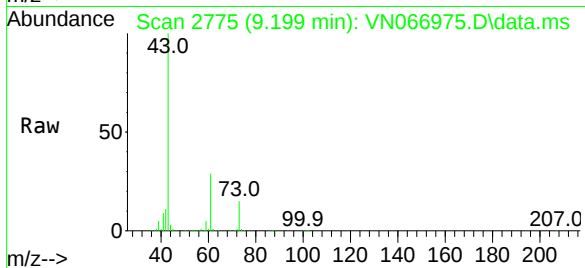
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 1033005.9 24.7 37.1#

58 5035.2 52.6 78.8#



#50

Toluene-d8

Concen: 51.49 ug/l

RT: 10.030 min Scan# 3085

Delta R.T. 0.000 min

Lab File: VN066975.D

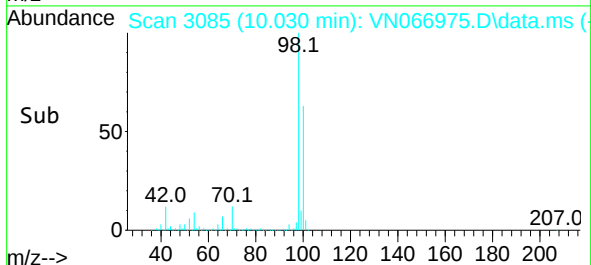
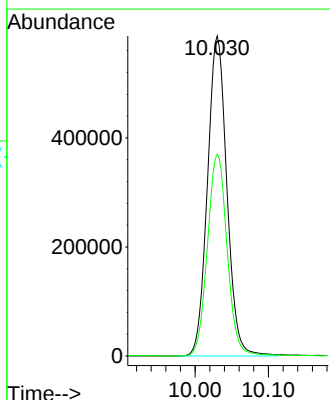
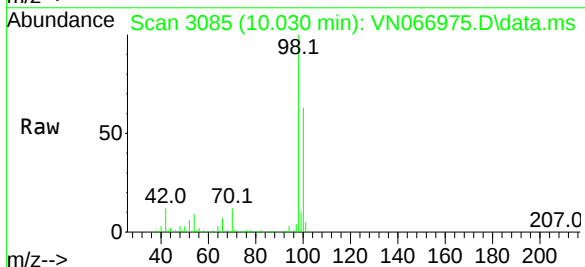
Acq: 5 May 2021 7:58

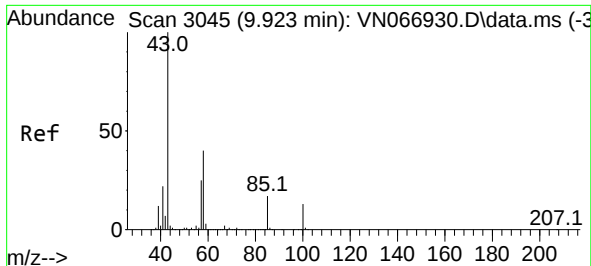
Tgt Ion: 98 Resp: 1080103

Ion Ratio Lower Upper

98 100

100 64.2 50.5 75.7

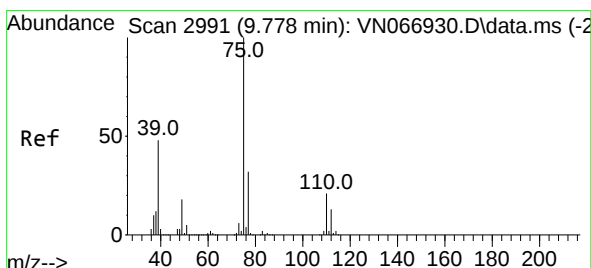
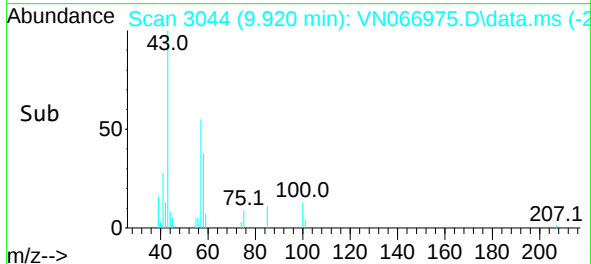
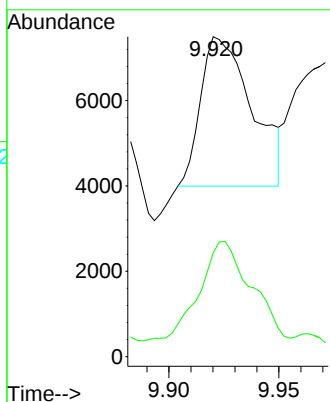
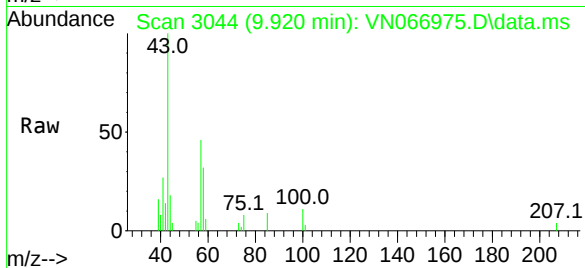




#51
4-Methyl-2-Pentanone
Concen: 0.70 ug/l
RT: 9.920 min Scan# 3044
Delta R.T. -0.003 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

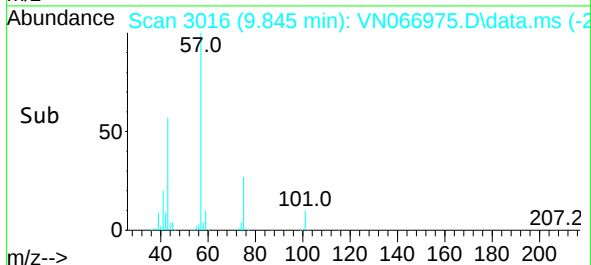
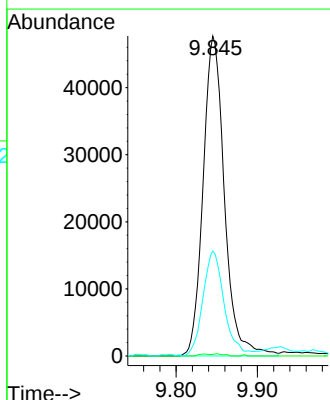
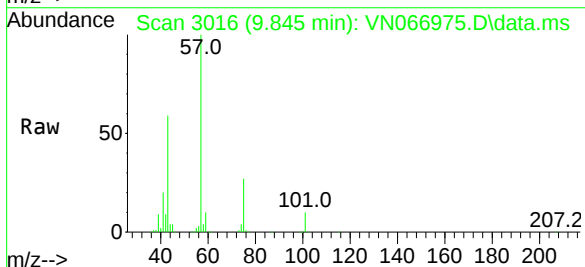
Instrument :
MSVOA_N
ClientSampleId :

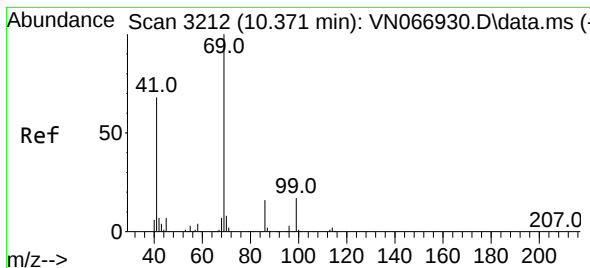
Tgt Ion: 43 Resp: 5655
Ion Ratio Lower Upper
43 100
58 68.4 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 7.82 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion: 75 Resp: 86965
Ion Ratio Lower Upper
75 100
77 0.5 24.9 37.3#
39 32.5 36.2 54.4#

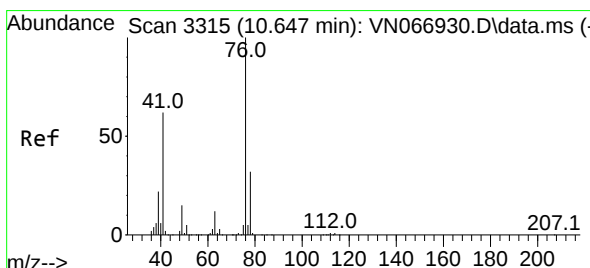
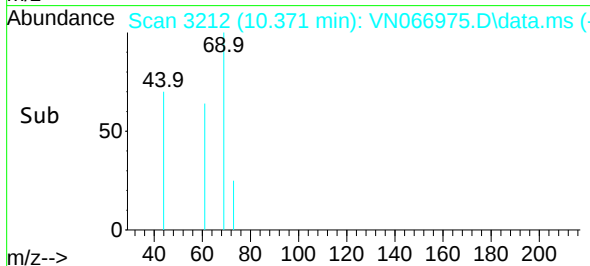
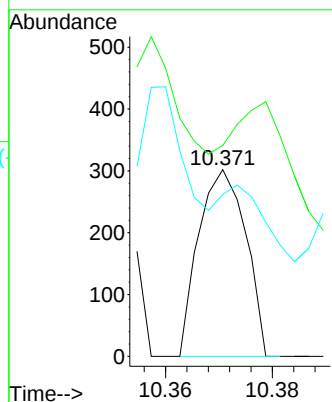
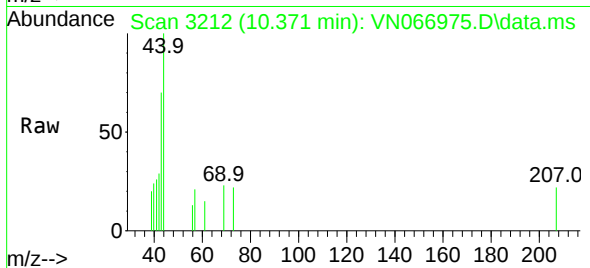




#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.371 min Scan# 3212
Delta R.T. -0.000 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

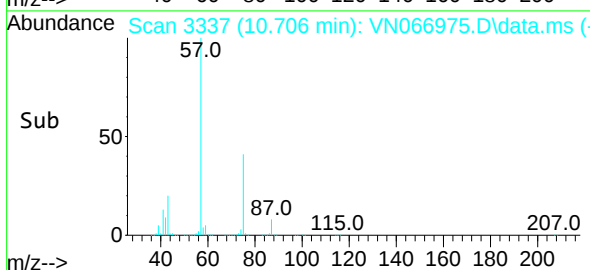
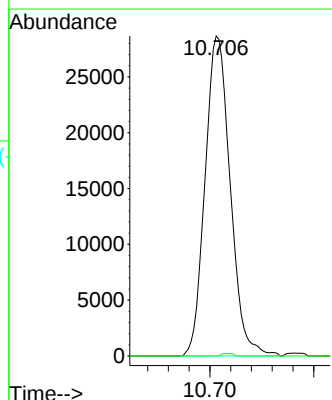
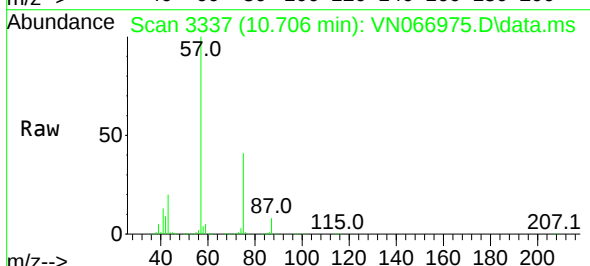
Instrument :
MSVOA_N
ClientSampled :

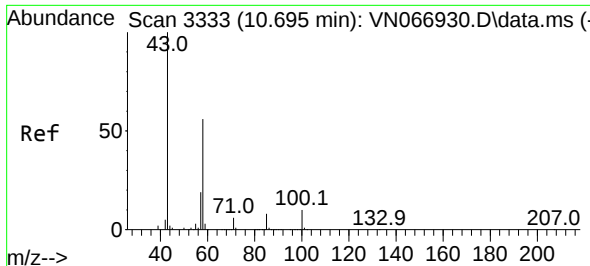
Tgt Ion: 69 Resp: 185
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.40 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion: 76 Resp: 48255
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

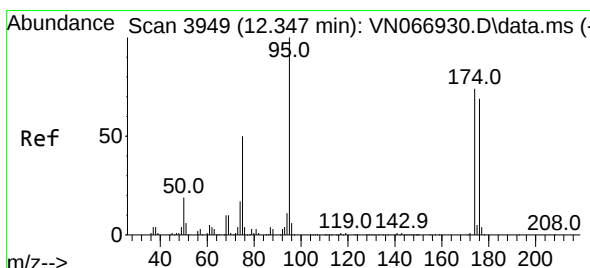
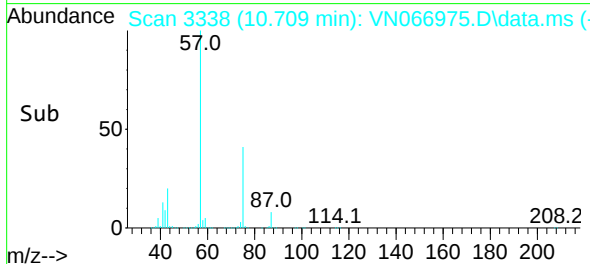
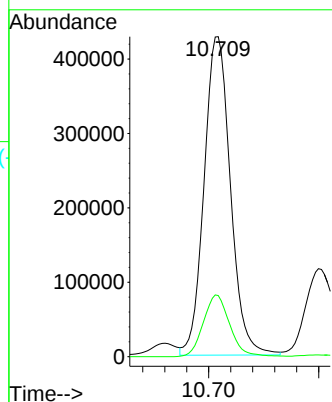
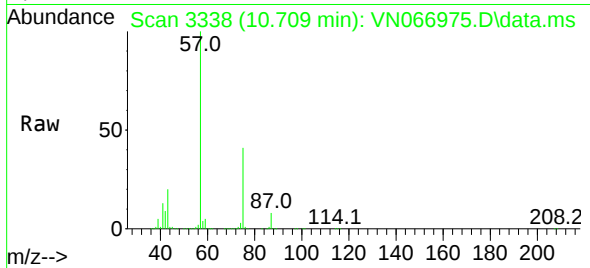




#59
2-Hexanone
Concen: 135.58 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

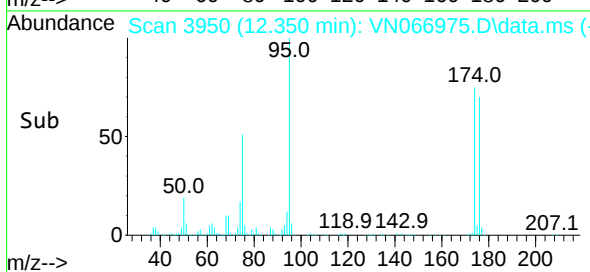
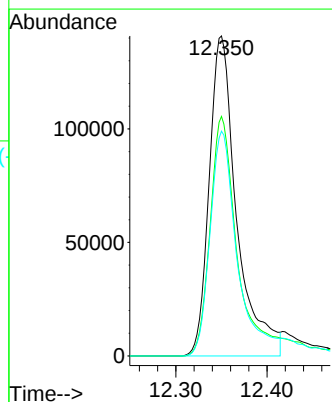
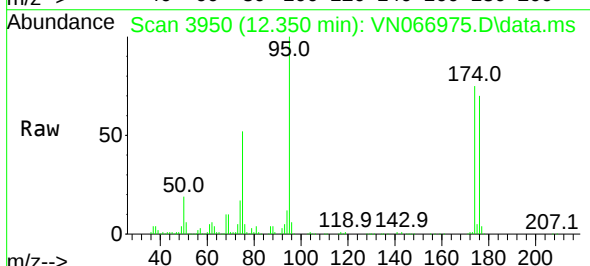
Instrument :
MSVOA_N
ClientSampled :

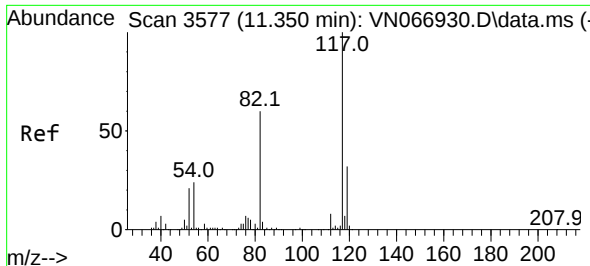
Tgt Ion: 43 Resp: 713989
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 41.61 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion: 95 Resp: 295542
Ion Ratio Lower Upper
95 100
174 79.9 0.0 169.0
176 75.0 0.0 162.4

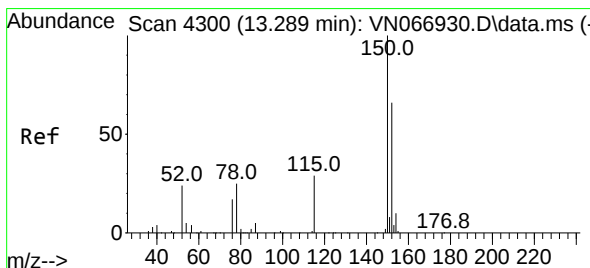
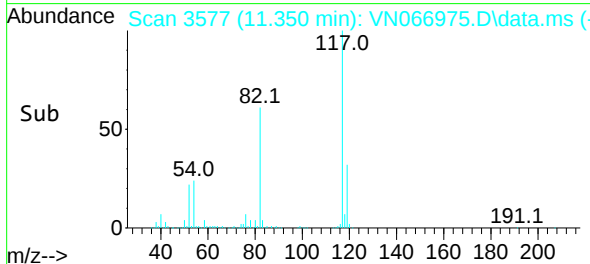
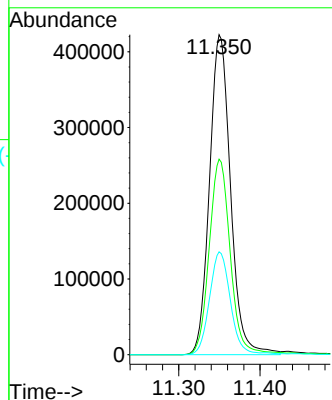
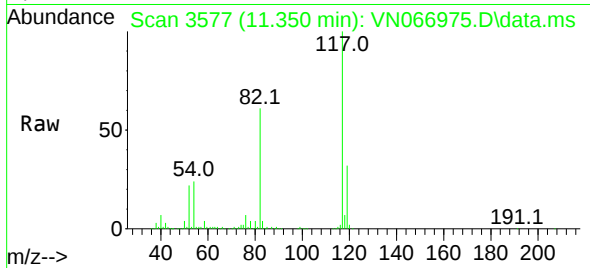




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

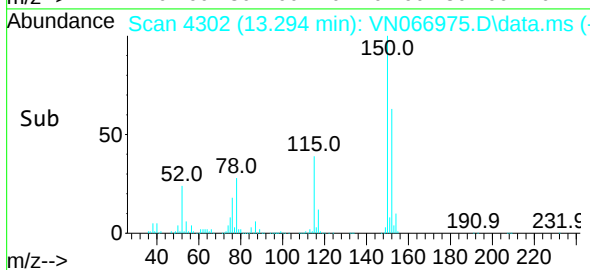
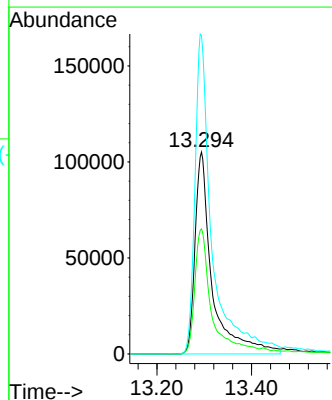
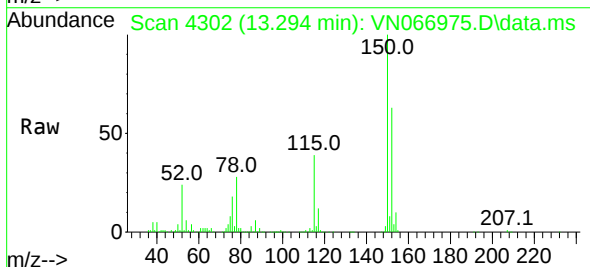
Instrument :
MSVOA_N
ClientSampled :

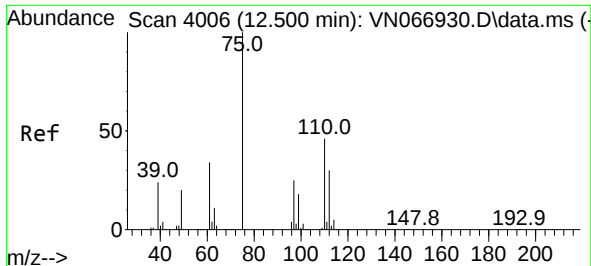
Tgt Ion:117 Resp: 759562
Ion Ratio Lower Upper
117 100
82 61.1 43.7 65.5
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion:152 Resp: 265188
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.6
150 149.8 0.0 347.6

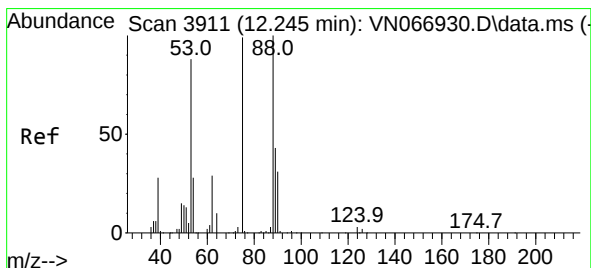
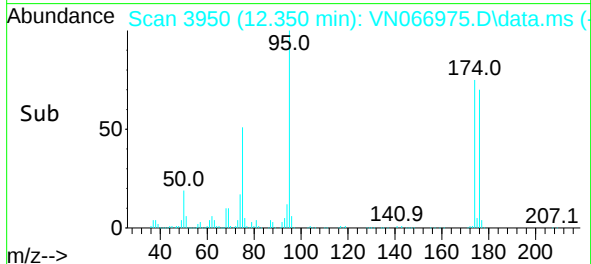
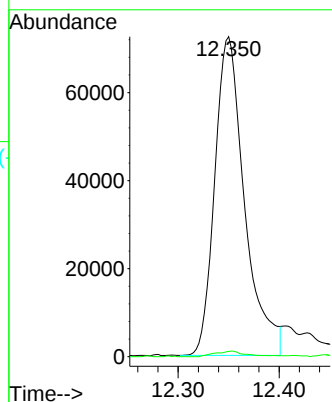
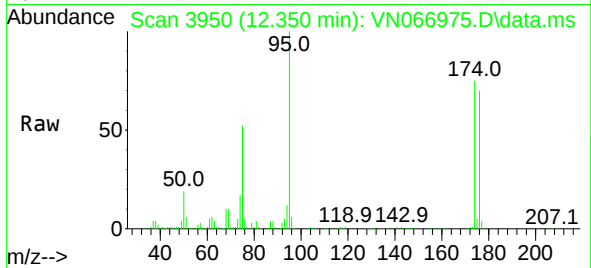




#76
1,2,3-Trichloropropane
Concen: 23.52 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

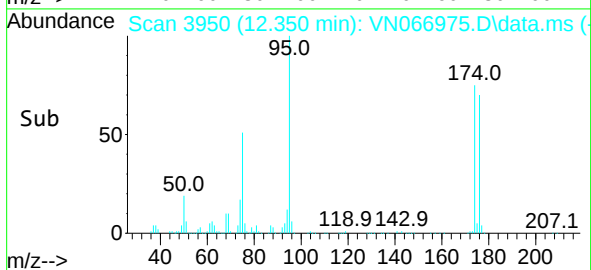
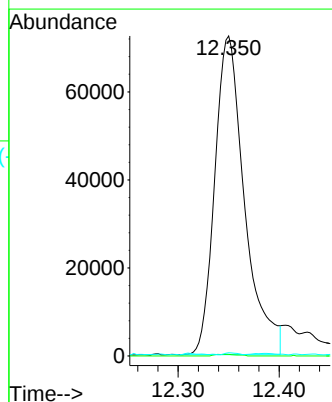
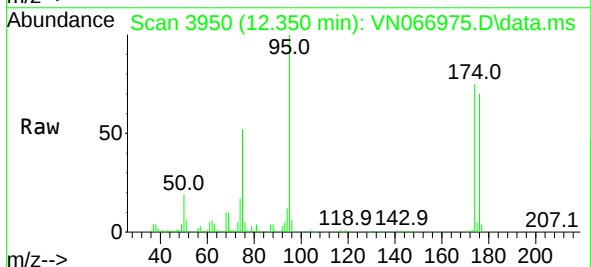
Instrument :
MSVOA_N
ClientSampled :

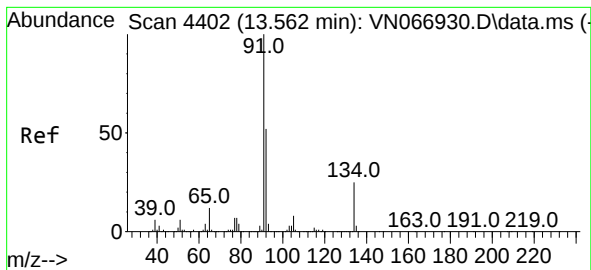
Tgt Ion: 75 Resp: 148555
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.09 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066975.D
Acq: 5 May 2021 7:58

Tgt Ion: 75 Resp: 148555
Ion Ratio Lower Upper
75 100
53 0.4 74.6 111.8#
89 0.2 35.8 53.8#





#89

n-Butylbenzene

Concen: 5.25 ug/l

RT: 13.321 min Scan# 4312

Delta R.T. -0.241 min

Lab File: VN066975.D

Acq: 5 May 2021 7:58

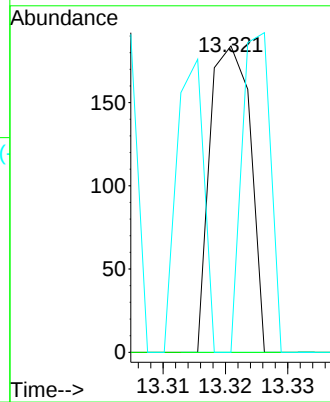
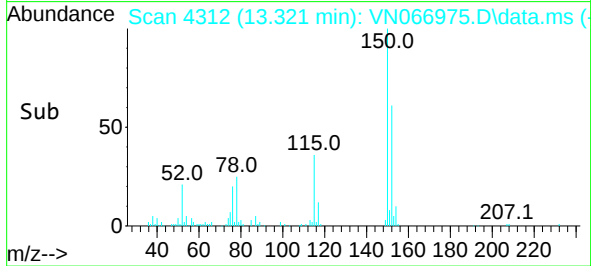
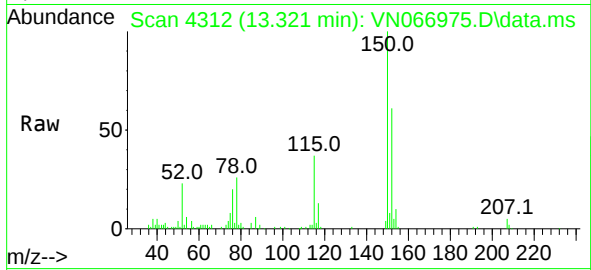
Tgt Ion: 91 Resp: 83

Ion Ratio Lower Upper

91 100

92 0.0 26.1 78.3#

134 63.9 13.0 38.9#



Instrument :
MSVOA_N
ClientSampleId :