

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066971.D
 Acq On : 5 May 2021 6:21
 Operator : JC/MD
 Sample : M2256-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:51:53 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)

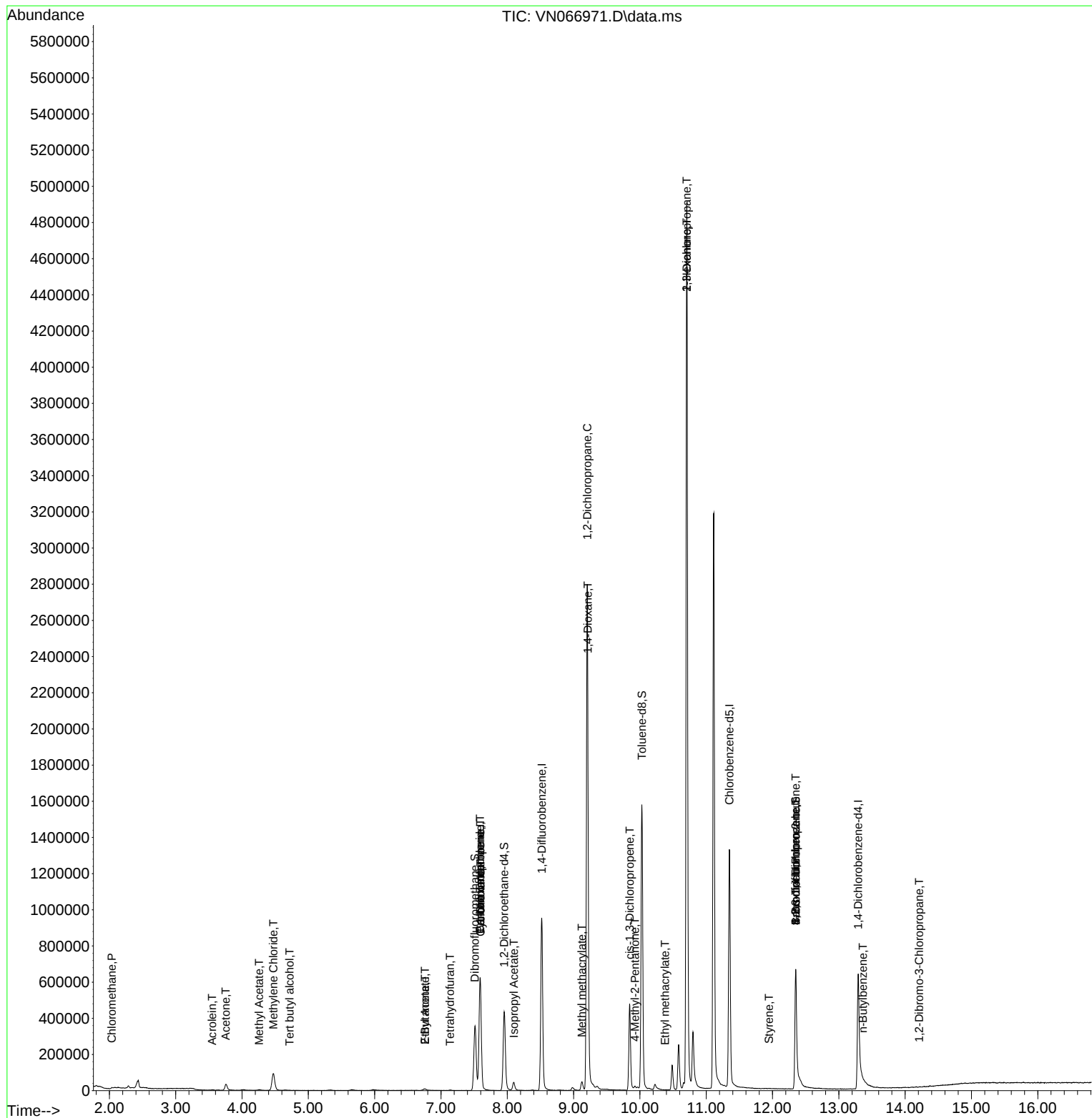
Internal Standards						
1) Pentafluorobenzene	7.592	168	477380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	810350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	754406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	233626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	393424	52.36	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.72%			
35) Dibromofluoromethane	7.512	113	276095	50.17	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.34%			
50) Toluene-d8	10.030	98	1085742	51.81	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.62%			
62) 4-Bromofluorobenzene	12.350	95	306800	43.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.48%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1976	0.21	ug/l	94
11) Tert butyl alcohol	4.717	59	314	0.30	ug/l #	73
13) Acrolein	3.550	56	1334	1.51	ug/l #	59
16) Acetone	3.754	43	58336	22.07	ug/l	99
18) Methyl Acetate	4.258	43	3060	0.40	ug/l #	70
20) Methylene Chloride	4.473	84	67516	10.07	ug/l	92
25) 2-Butanone	6.761	43	4906	1.26	ug/l	98
29) Tetrahydrofuran	7.139	42	1328	0.51	ug/l #	42
31) Cyclohexane	7.595	56	12501	1.18	ug/l #	19
36) 1,1-Dichloropropene	7.592	75	42524	5.04	ug/l #	48
37) Ethyl Acetate	6.761	43	4906	0.57	ug/l #	68
38) Carbon Tetrachloride	7.589	117	49828	5.66	ug/l #	16
43) Isopropyl Acetate	8.099	43	53632	3.84	ug/l #	90
45) 1,2-Dichloropropane	9.207	63	3518	0.48	ug/l #	44
48) Methyl methacrylate	9.126	41	12358	2.00	ug/l #	10
49) 1,4-Dioxane	9.215	88	336	3.43	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	14082	1.74	ug/l	90
54) cis-1,3-Dichloropropene	9.845	75	85731	7.72	ug/l #	65
56) Ethyl methacrylate	10.379	69	255	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	49325	4.50	ug/l #	43
59) 2-Hexanone	10.706	43	705208	134.36	ug/l #	50
70) Styrene	11.945	104	26	4.71	ug/l #	1
71) Bromoform	12.350	173	2209	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	165025	29.65	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	165025	88.20	ug/l #	12
89) n-Butylbenzene	13.361	91	25	5.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.211	75	281	0.25	ug/l #	1

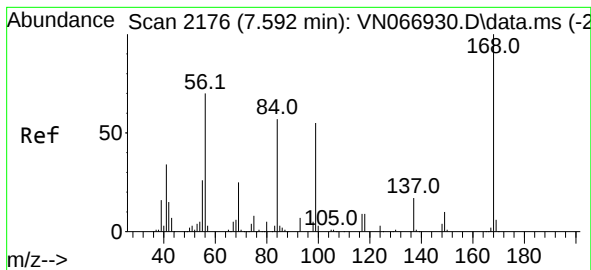
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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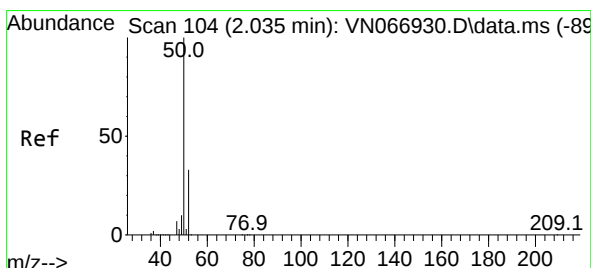
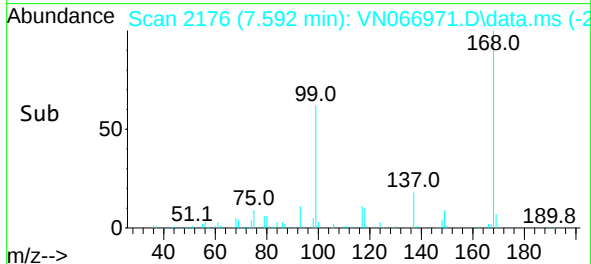
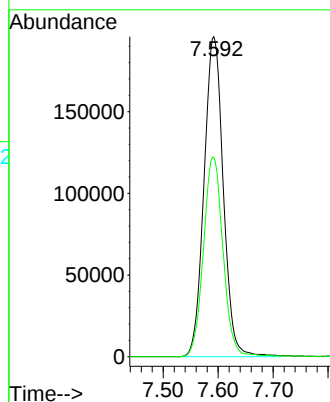
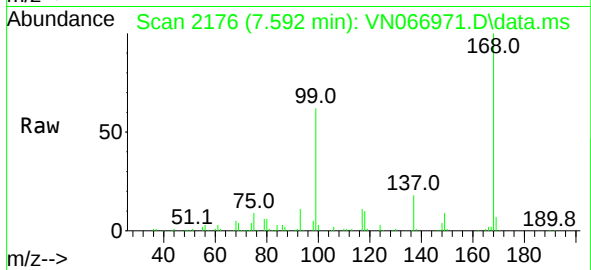




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

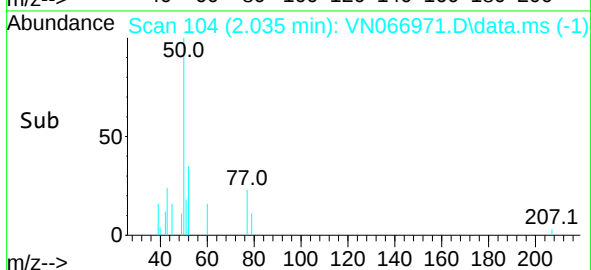
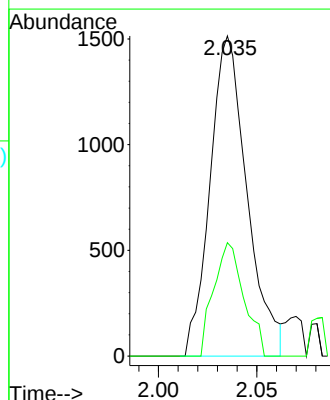
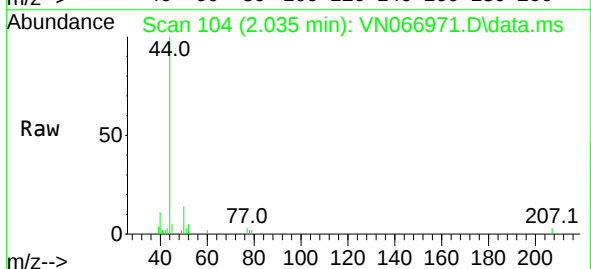
Instrument :
MSVOA_N
ClientSampleId :

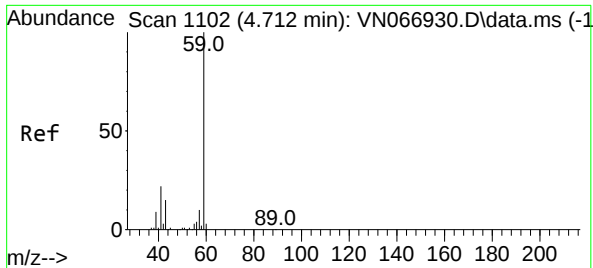
Tgt Ion:168 Resp: 477380
Ion Ratio Lower Upper
168 100
99 62.3 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion: 50 Resp: 1976
Ion Ratio Lower Upper
50 100
52 35.4 25.8 38.8

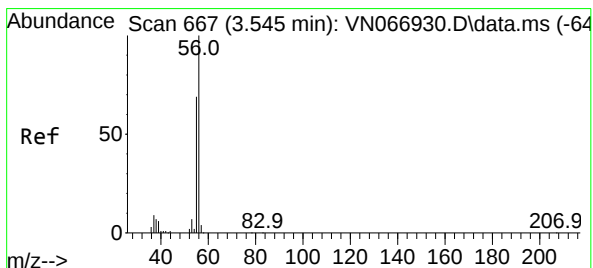
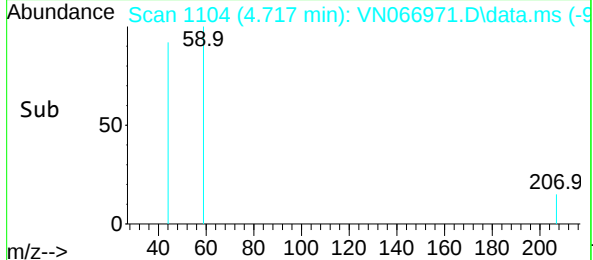
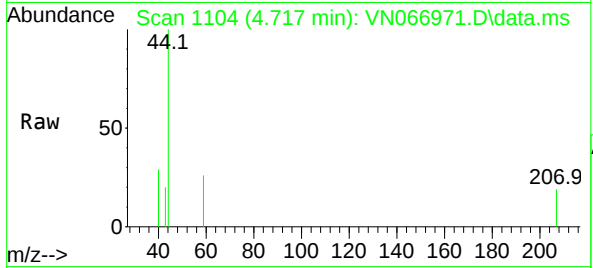




#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 4.717 min Scan# 1104
Delta R.T. 0.005 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

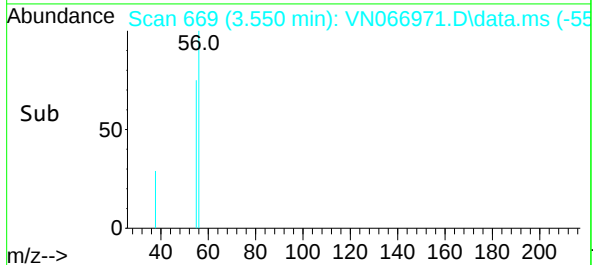
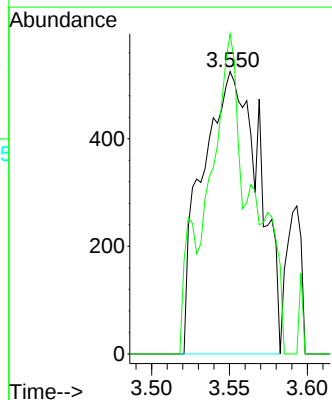
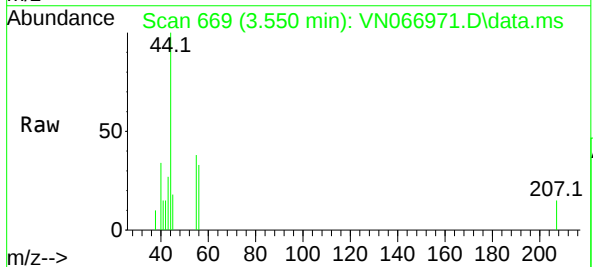
Instrument :
MSVOA_N
ClientSampled :

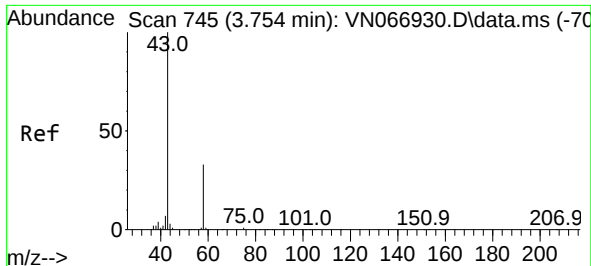
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.51 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion: 56 Resp: 1334
Ion Ratio Lower Upper
56 100
55 36.6 56.0 84.0#

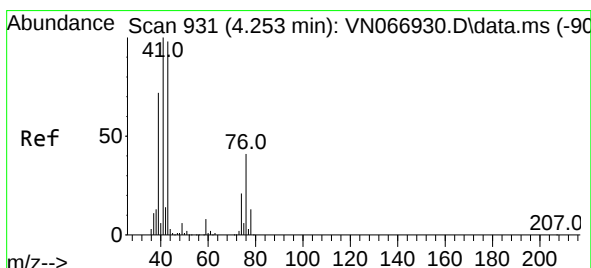
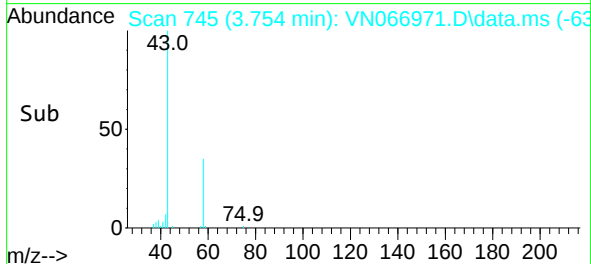
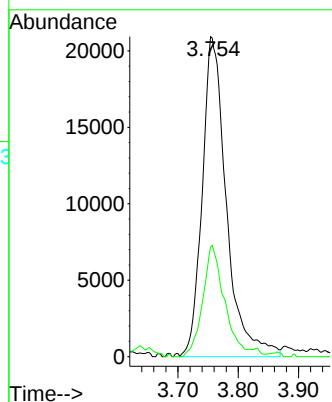
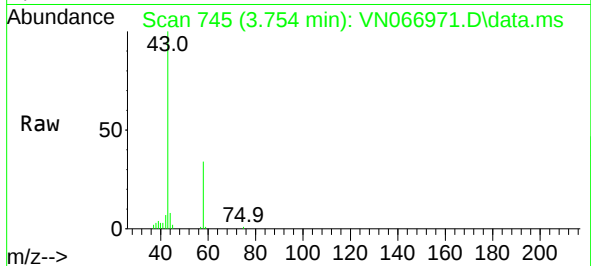




#16
Acetone
Concen: 22.07 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

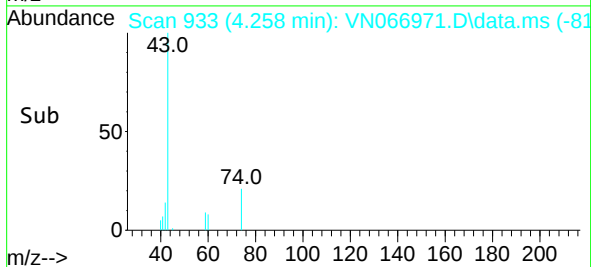
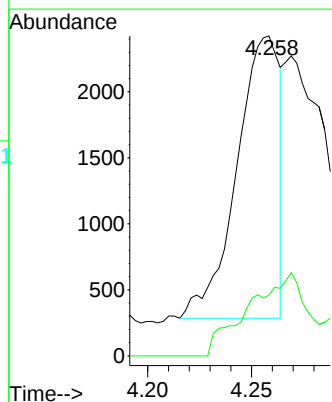
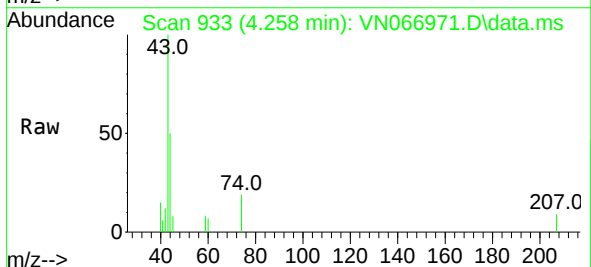
Instrument :
MSVOA_N
ClientSampled :

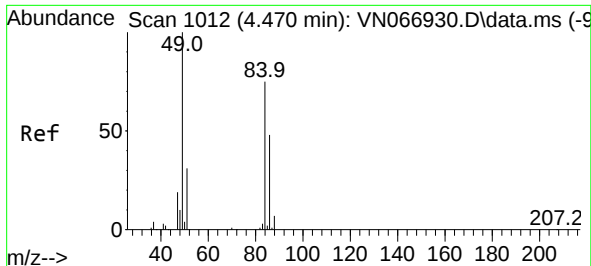
Tgt Ion: 43 Resp: 58336
Ion Ratio Lower Upper
43 100
58 34.3 27.0 40.6



#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.258 min Scan# 933
Delta R.T. 0.005 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

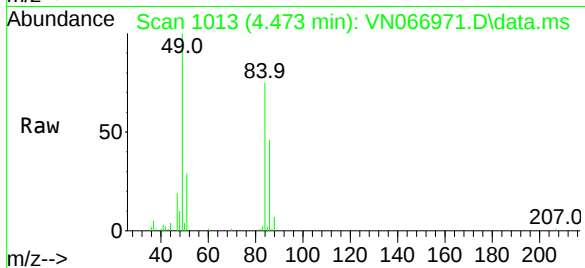
Tgt Ion: 43 Resp: 3060
Ion Ratio Lower Upper
43 100
74 39.5 19.5 29.3#



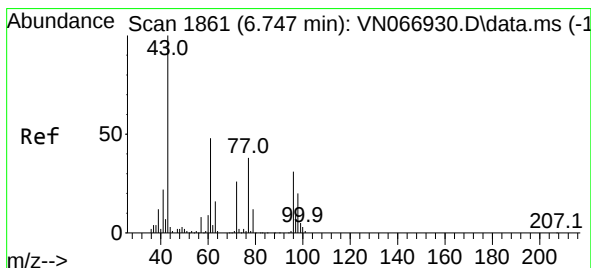
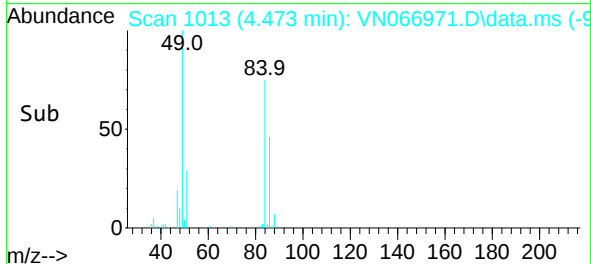
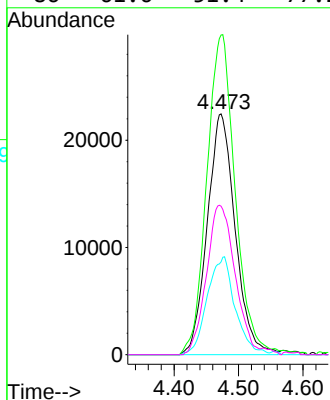


#20
Methylene Chloride
Concen: 10.07 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Instrument :
MSVOA_N
ClientSampled :

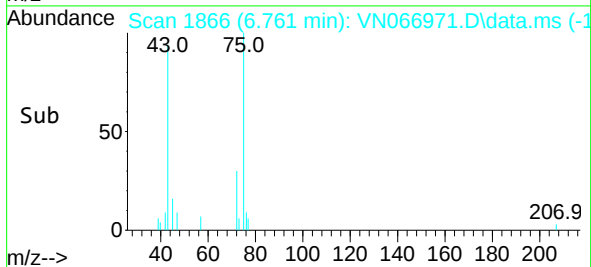
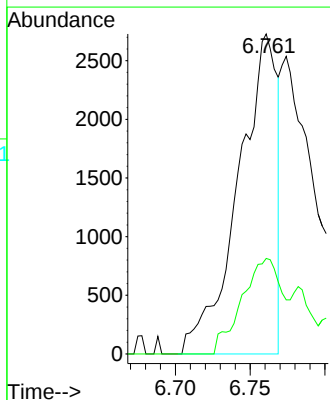
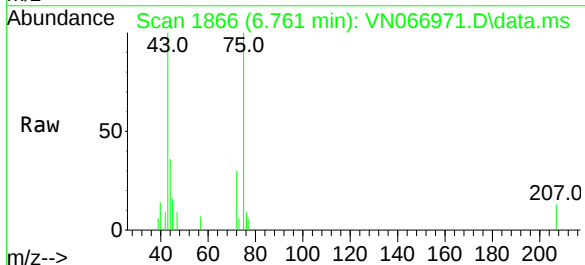


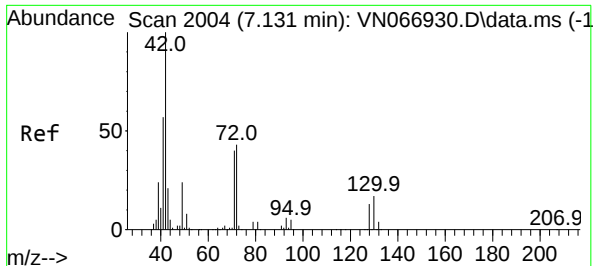
Tgt Ion: 84	Resp: 67516		
Ion	Ratio	Lower	Upper
84	100		
49	132.8	94.6	141.8
51	38.6	29.9	44.9
86	61.6	51.4	77.2



#25
2-Butanone
Concen: 1.26 ug/l
RT: 6.761 min Scan# 1866
Delta R.T. 0.014 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion: 43	Resp: 4906		
Ion Ratio	Lower	Upper	
43 100			
72 29.8	23.1	34.7	

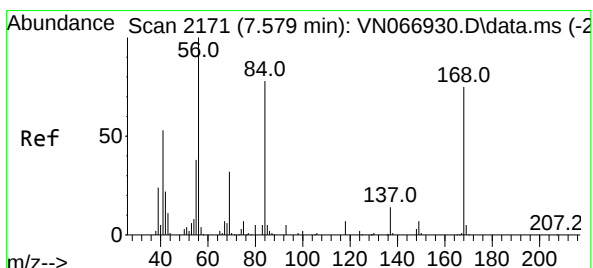
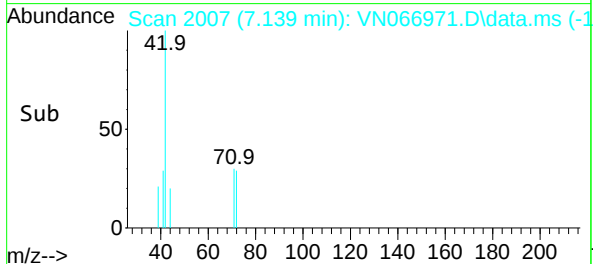
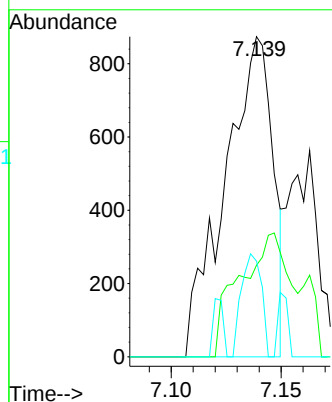
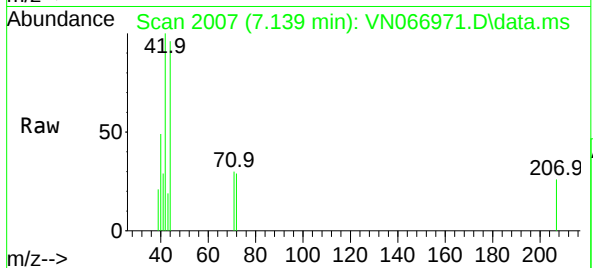




#29
Tetrahydrofuran
Concen: 0.51 ug/l
RT: 7.139 min Scan# 2007
Delta R.T. 0.008 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

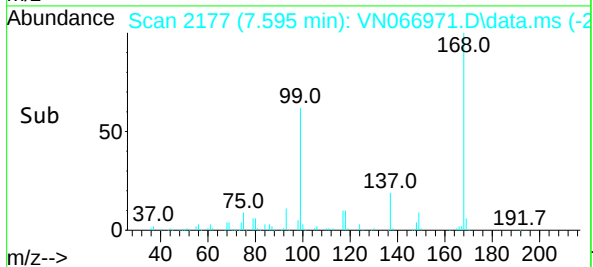
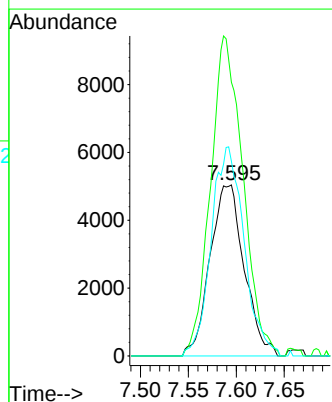
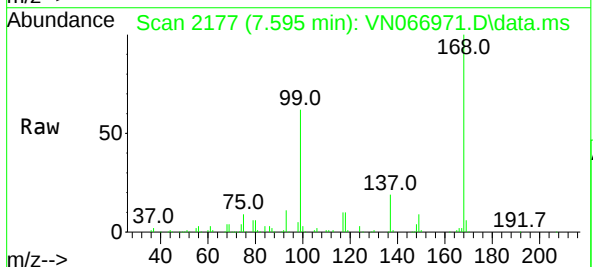
Instrument :
MSVOA_N
ClientSampled :

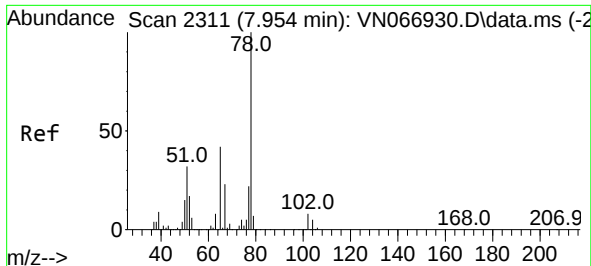
Tgt Ion:	42	Resp:	1328
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	13.5	34.3	51.5#



#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.016 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion:	56	Resp:	12501
Ion	Ratio	Lower	Upper
56	100		
69	160.0	26.6	39.8#
84	113.8	70.4	105.6#

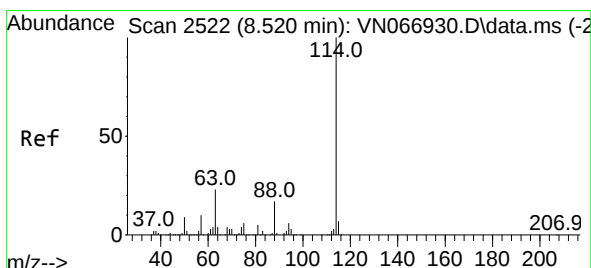
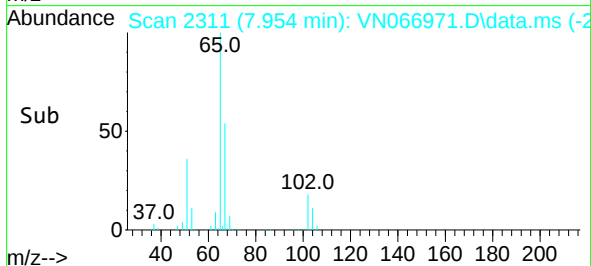
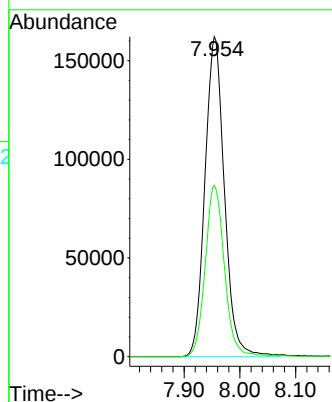
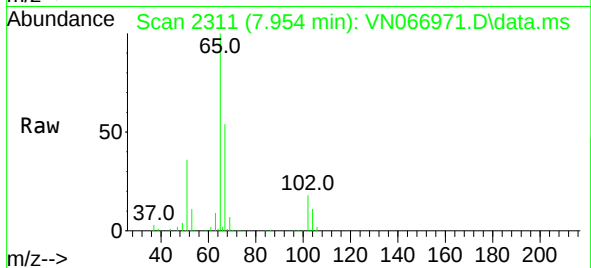




#33
1,2-Dichloroethane-d4
Concen: 52.36 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

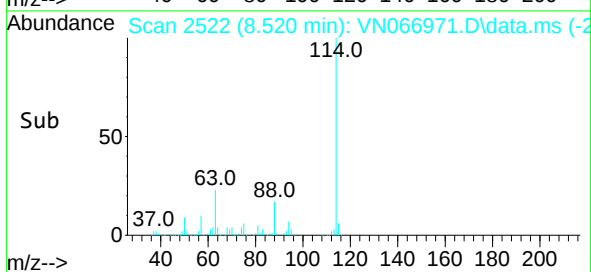
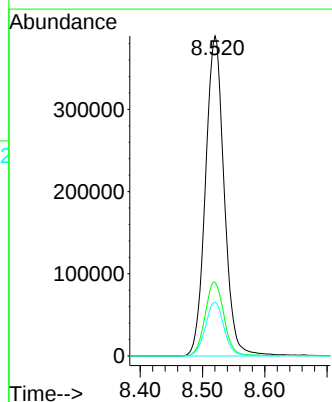
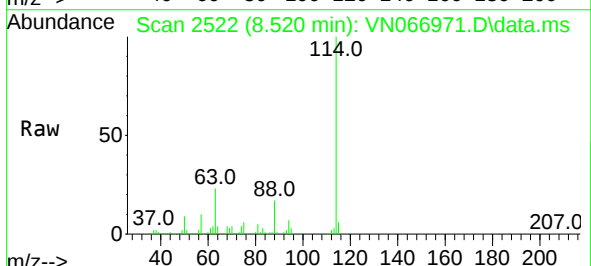
Instrument :
MSVOA_N
ClientSampled :

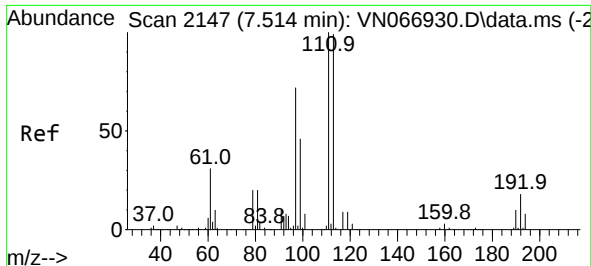
Tgt Ion: 65 Resp: 393424
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

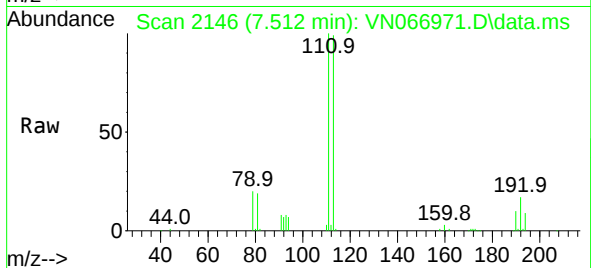
Tgt Ion: 114 Resp: 810350
Ion Ratio Lower Upper
114 100
63 23.0 0.0 38.6
88 16.7 0.0 30.6



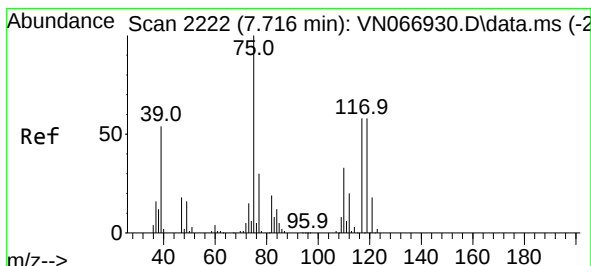
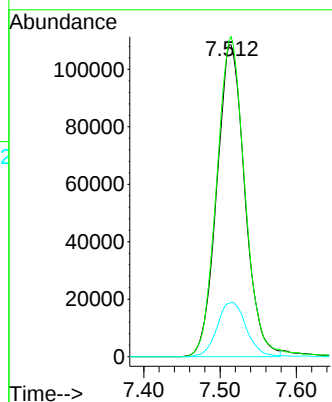
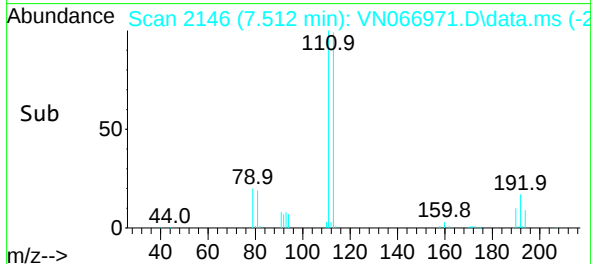


#35
Dibromofluoromethane
Concen: 50.17 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

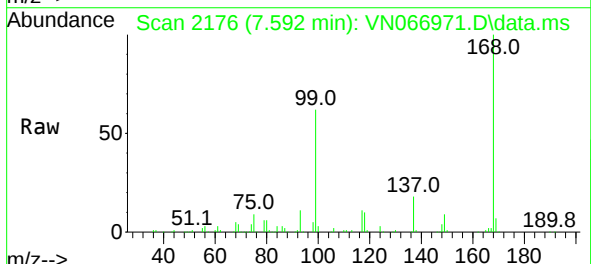
Instrument :
MSVOA_N
ClientSampled :



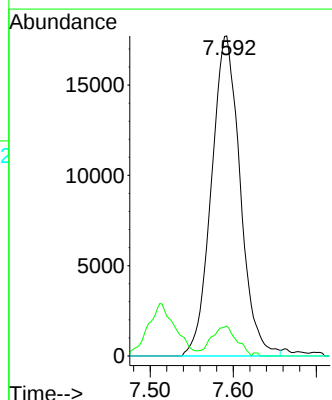
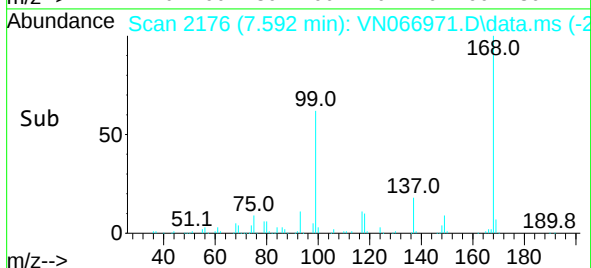
Tgt Ion:113 Resp: 276095
Ion Ratio Lower Upper
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111 104.0 82.2 123.2
192 18.2 15.4 23.0

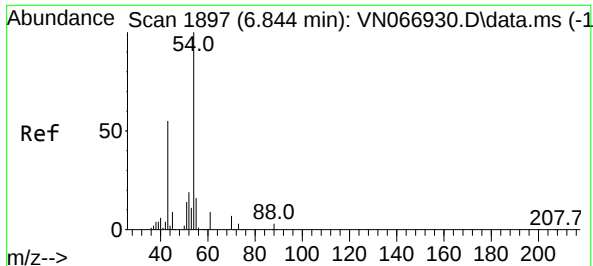


#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21



Tgt Ion: 75 Resp: 42524
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.57 ug/l

RT: 6.761 min Scan# 1866

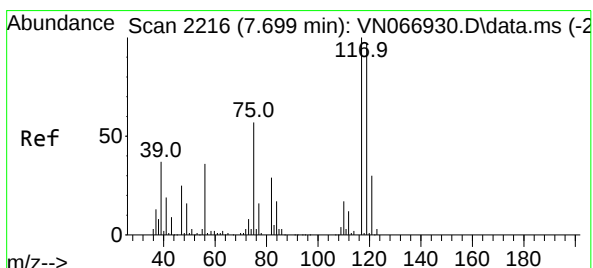
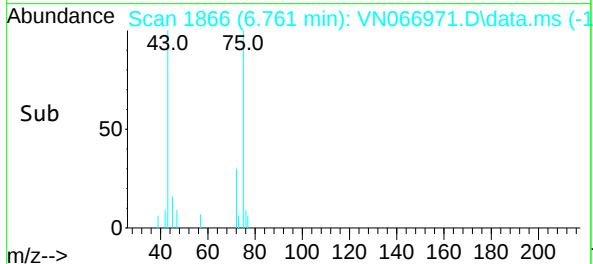
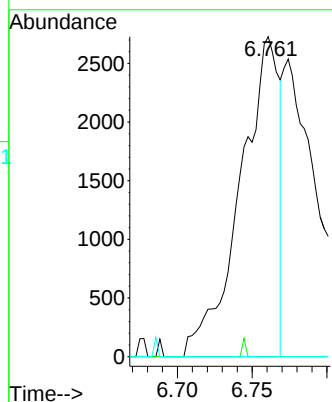
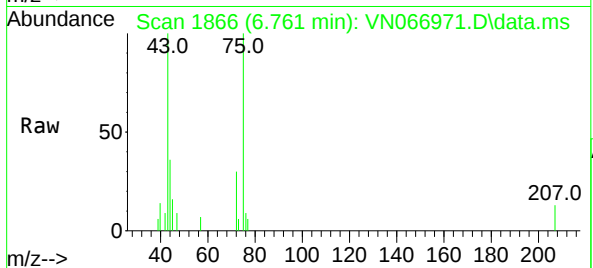
Delta R.T. -0.083 min

Lab File: VN066971.D

Acq: 5 May 2021 6:21

Tgt Ion:	43	Resp:	4906
Ion	Ratio	Lower	Upper
43	100		
61	0.5	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.66 ug/l

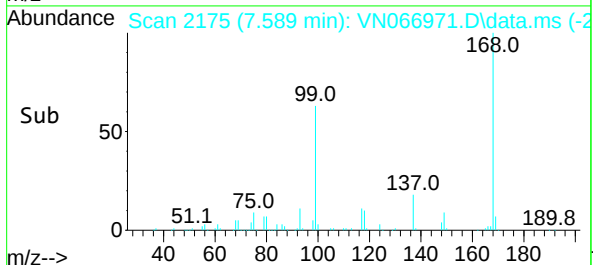
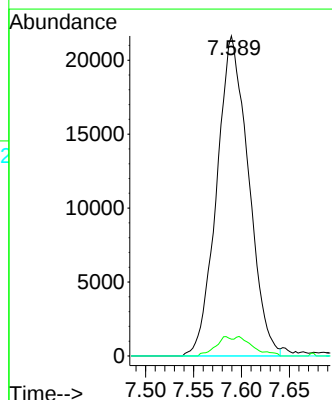
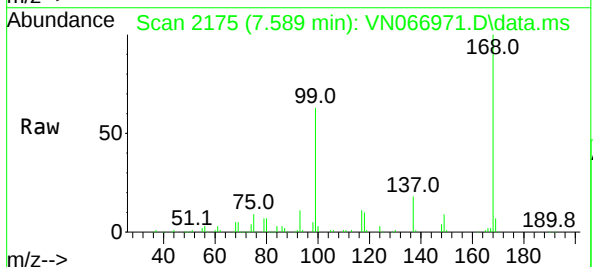
RT: 7.589 min Scan# 2175

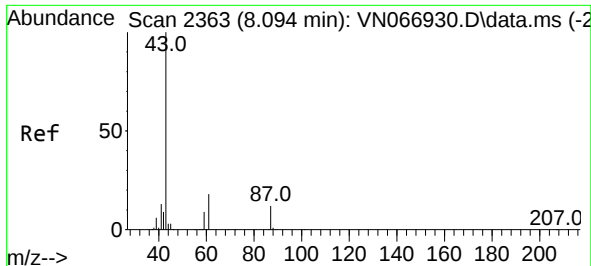
Delta R.T. -0.110 min

Lab File: VN066971.D

Acq: 5 May 2021 6:21

Tgt Ion:	117	Resp:	49828
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.0	114.0#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

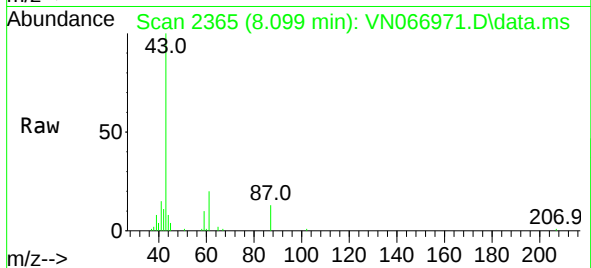
Concen: 3.84 ug/l

RT: 8.099 min Scan# 2365

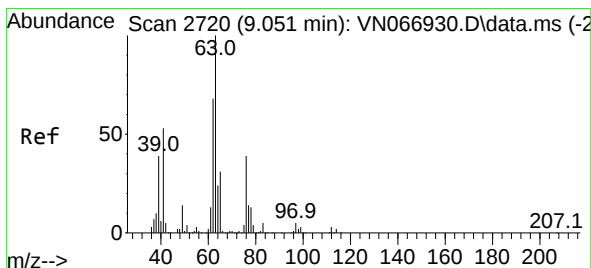
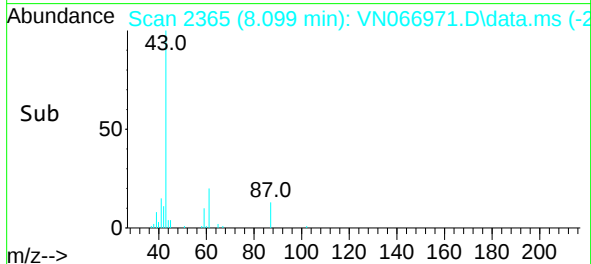
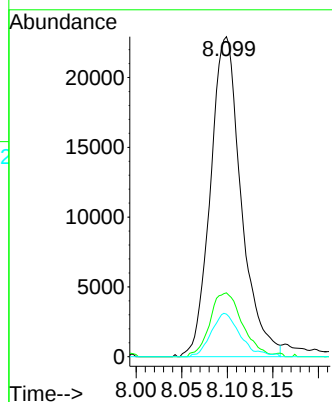
Delta R.T. 0.005 min

Lab File: VN066971.D

Acq: 5 May 2021 6:21



Tgt Ion:	43	Resp:	53632
Ion Ratio	Lower	Upper	
43	100		
61	21.1	22.5	33.7#
87	12.7	11.1	16.7



#45

1,2-Dichloropropane

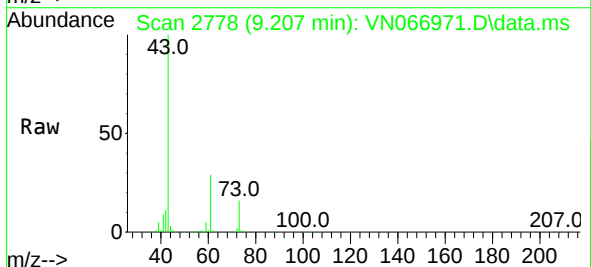
Concen: 0.48 ug/l

RT: 9.207 min Scan# 2778

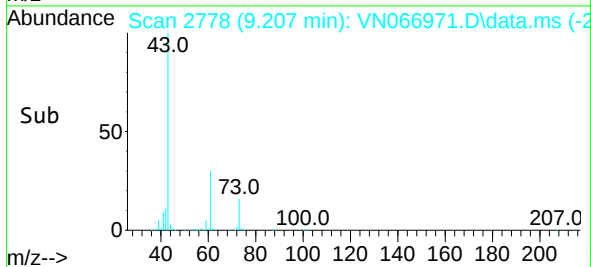
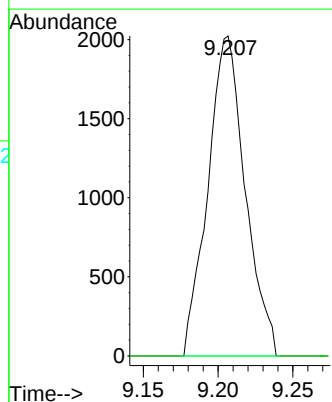
Delta R.T. 0.156 min

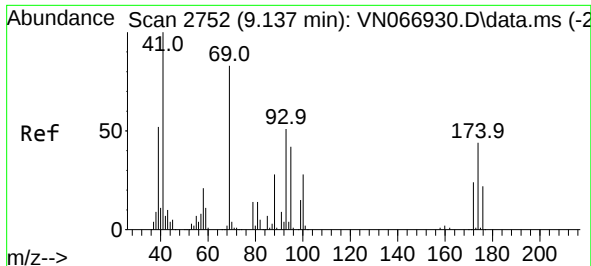
Lab File: VN066971.D

Acq: 5 May 2021 6:21



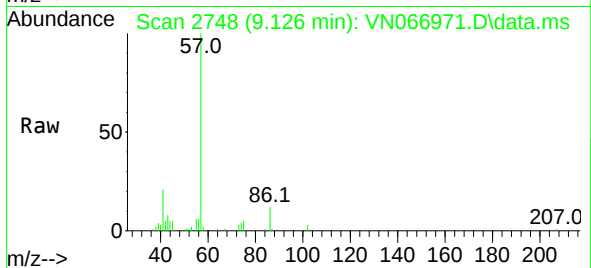
Tgt Ion:	63	Resp:	3518
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#



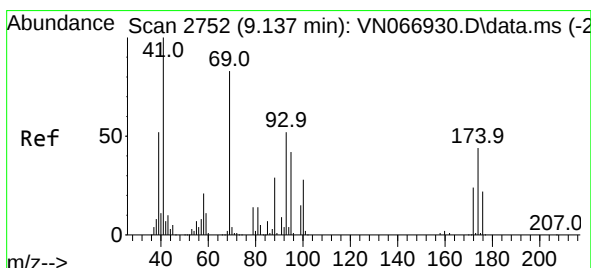
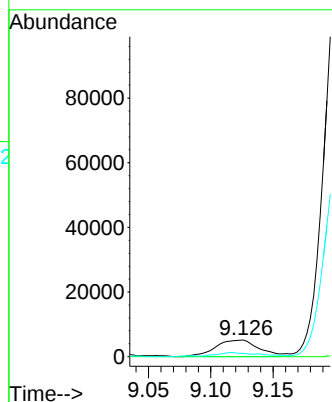
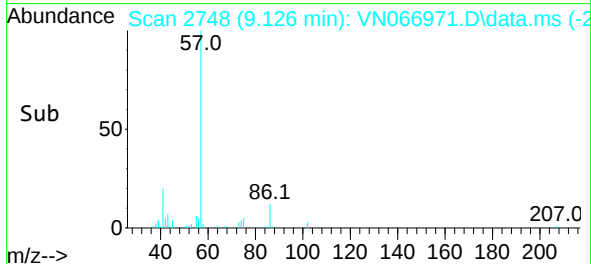


#48
Methyl methacrylate
Concen: 2.00 ug/l
RT: 9.126 min Scan# 2748
Delta R.T. -0.011 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

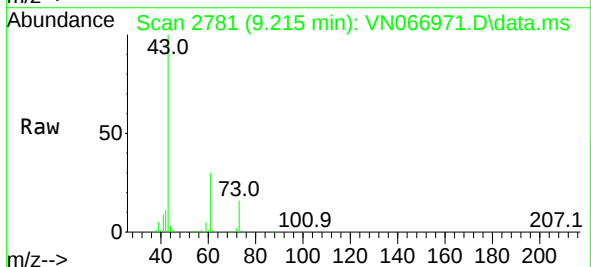
Instrument :
MSVOA_N
ClientSampled :



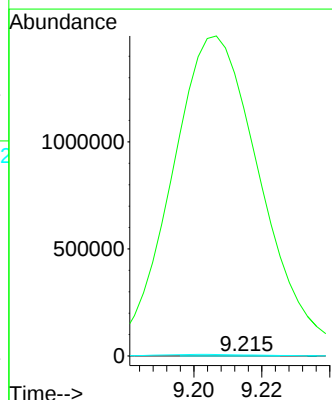
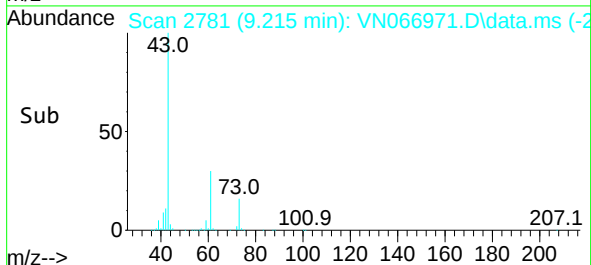
Tgt Ion: 41 Resp: 12358
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

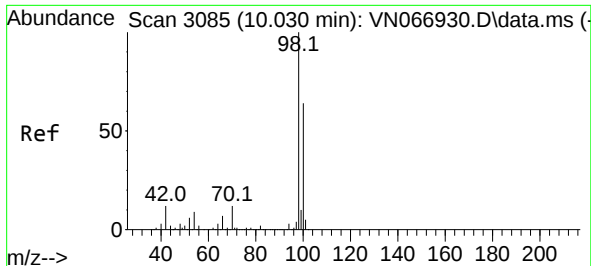


#49
1,4-Dioxane
Concen: 3.43 ug/l
RT: 9.215 min Scan# 2781
Delta R.T. 0.078 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21



Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 858845.8 24.7 37.1#
58 4619.9 52.6 78.8#

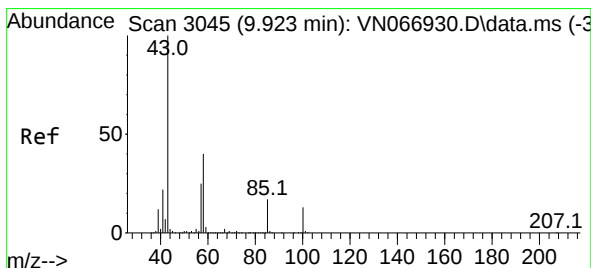
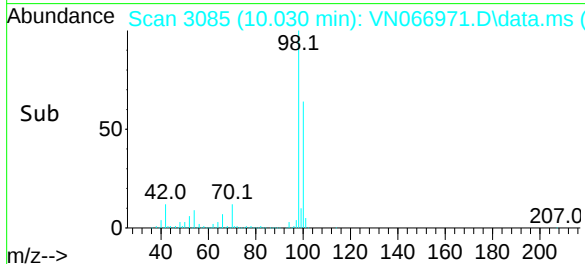
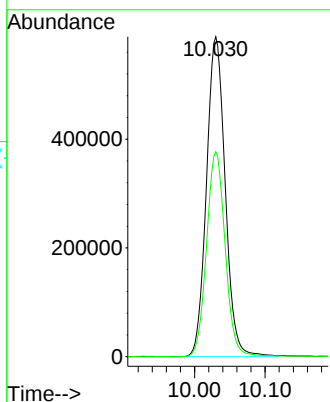
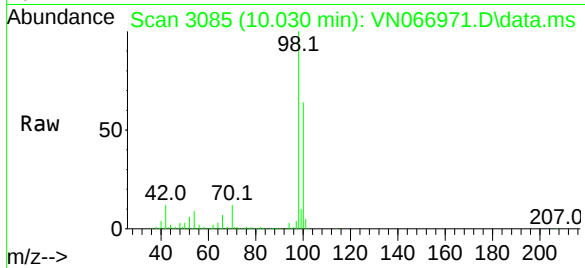




#50
Toluene-d8
Concen: 51.81 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

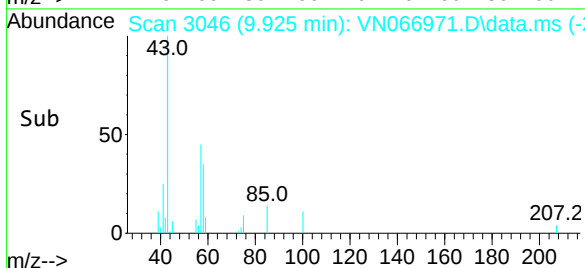
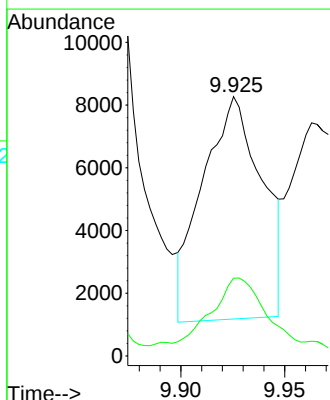
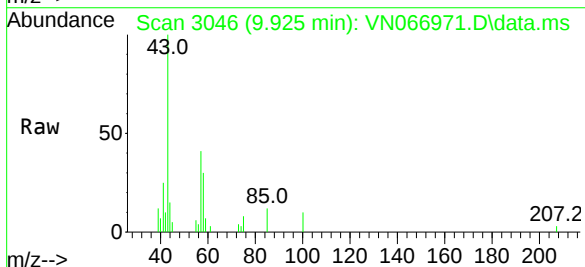
Instrument :
MSVOA_N
ClientSampled :

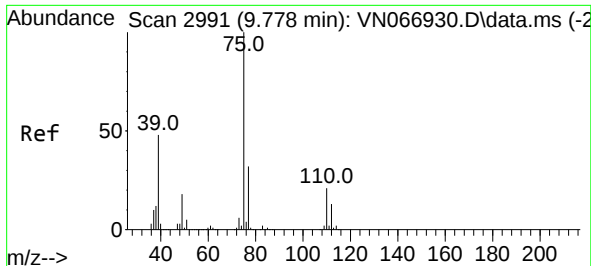
Tgt Ion: 98 Resp: 1085742
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.74 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion: 43 Resp: 14082
Ion Ratio Lower Upper
43 100
58 34.2 32.5 48.7

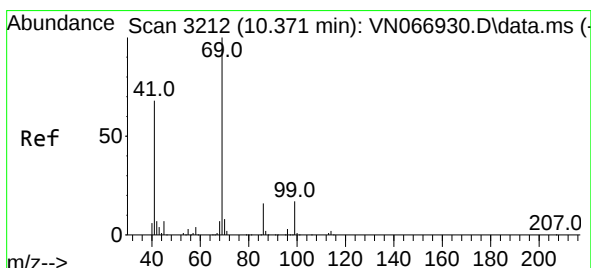
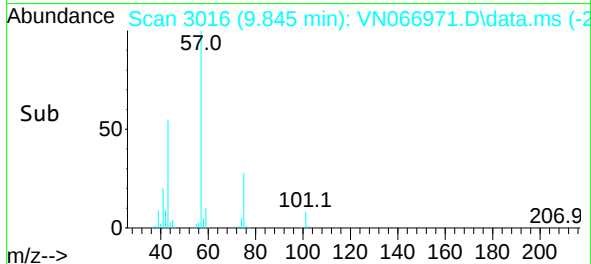
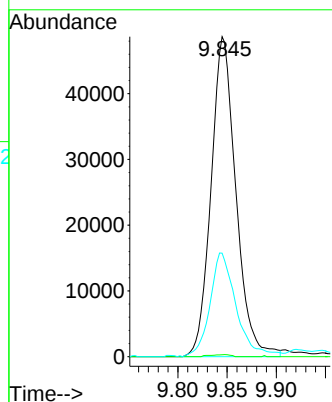
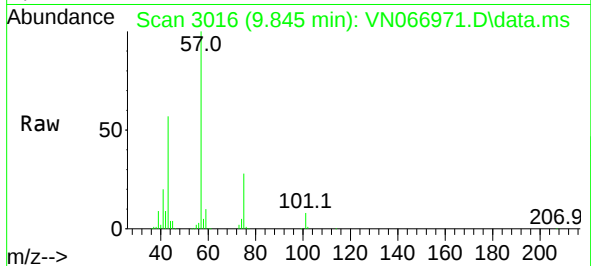




#54
cis-1,3-Dichloropropene
Concen: 7.72 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

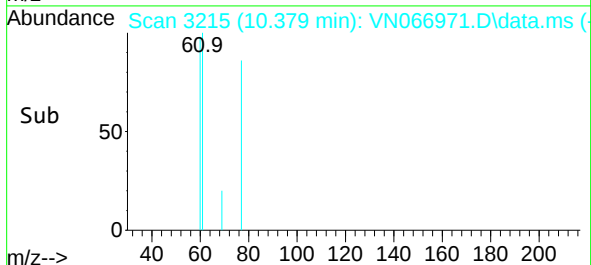
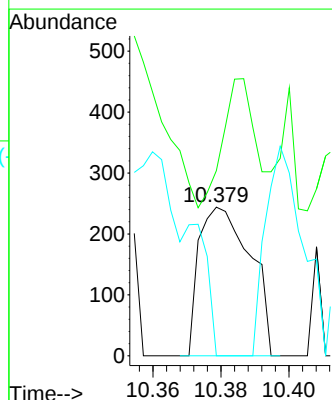
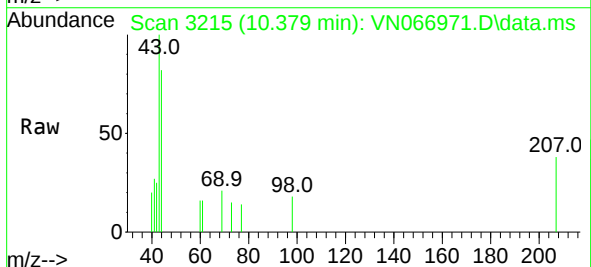
Instrument :
MSVOA_N
ClientSampleId :

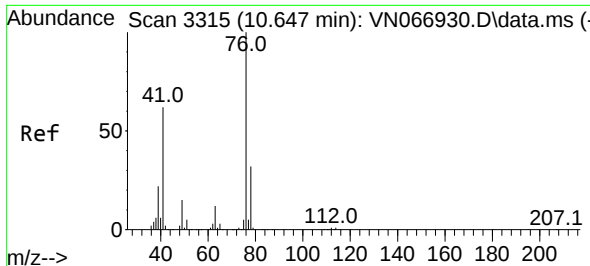
Tgt Ion: 75 Resp: 85731
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 32.0 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.379 min Scan# 3215
Delta R.T. 0.008 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion: 69 Resp: 255
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

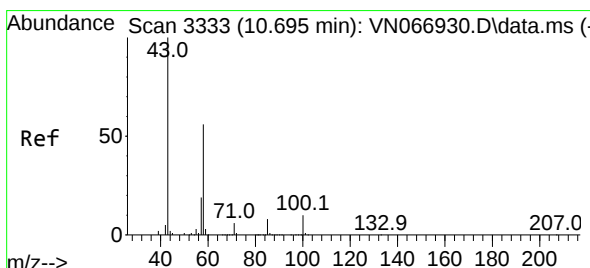
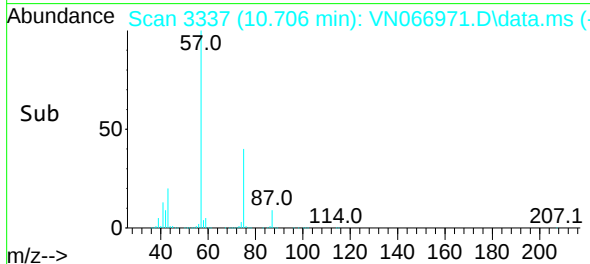
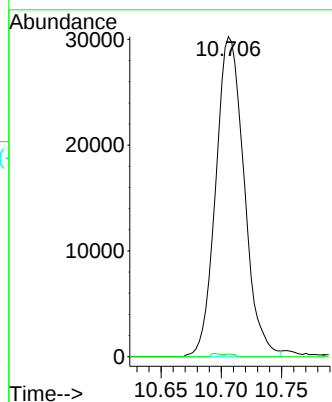
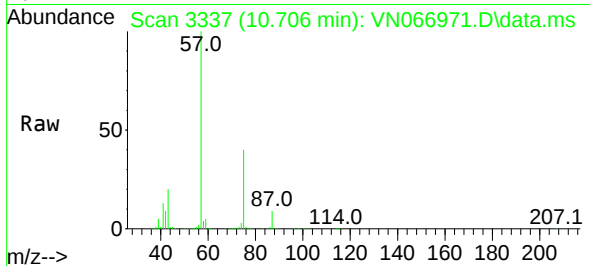




#57
1,3-Dichloropropane
Concen: 4.50 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

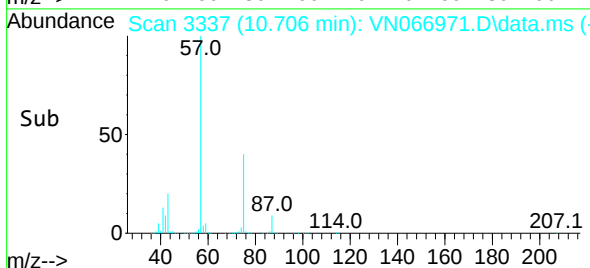
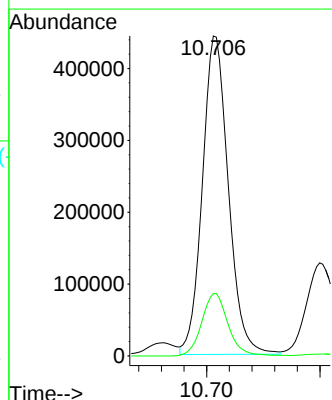
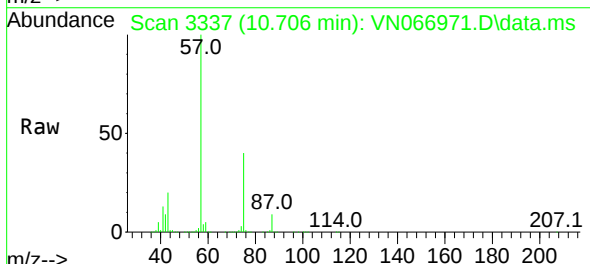
Instrument :
MSVOA_N
ClientSampled :

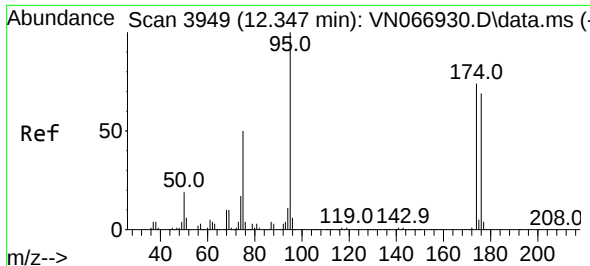
Tgt Ion: 76 Resp: 49325
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 134.36 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion: 43 Resp: 705208
Ion Ratio Lower Upper
43 100
58 19.9 28.1 84.3#

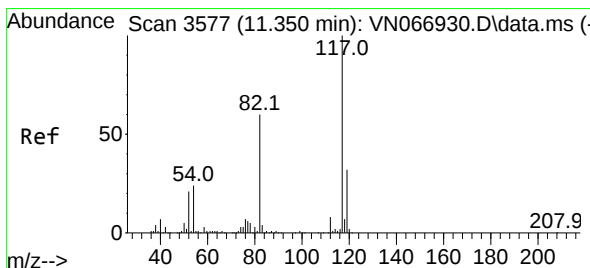
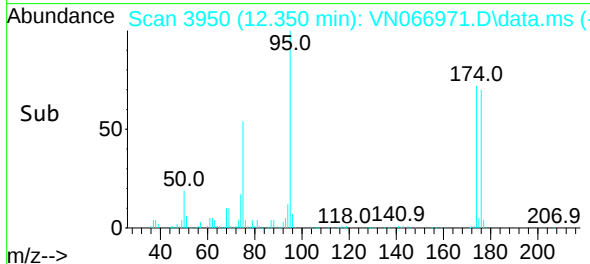
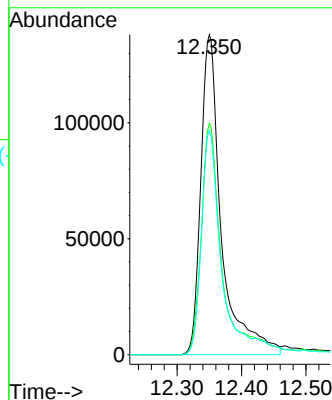
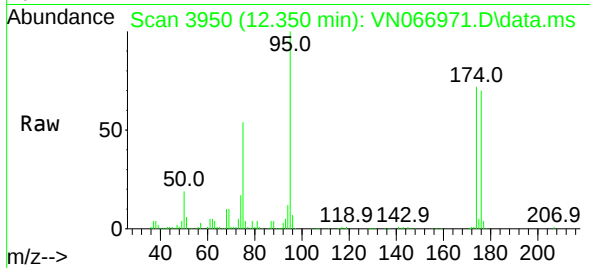




#62
4-Bromofluorobenzene
Concen: 43.24 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

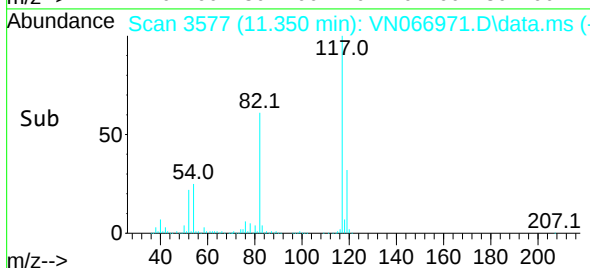
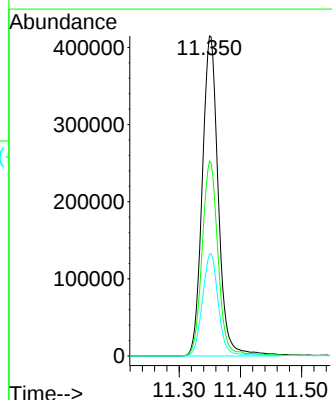
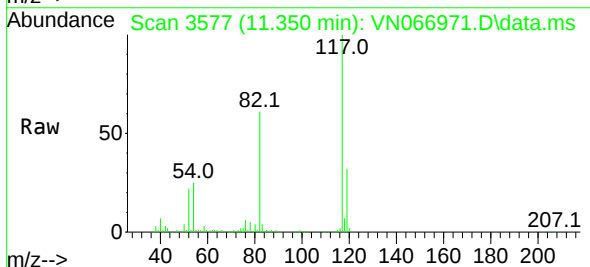
Instrument :
MSVOA_N
ClientSampleId :

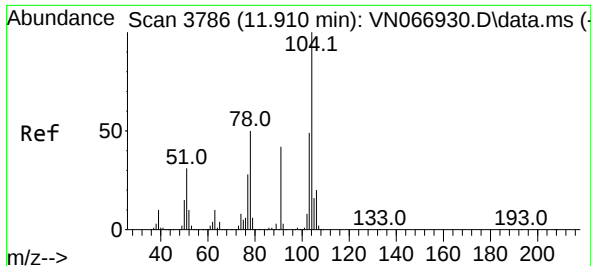
Tgt Ion: 95 Resp: 306800
Ion Ratio Lower Upper
95 100
174 73.1 0.0 169.0
176 65.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

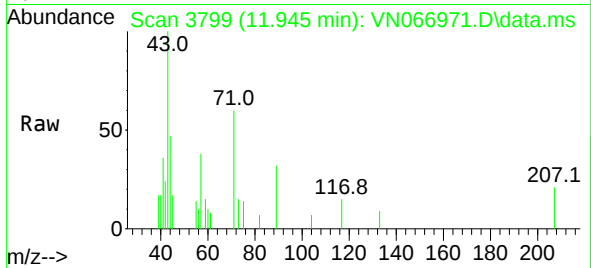
Tgt Ion: 117 Resp: 754406
Ion Ratio Lower Upper
117 100
82 60.9 43.7 65.5
119 31.9 26.1 39.1



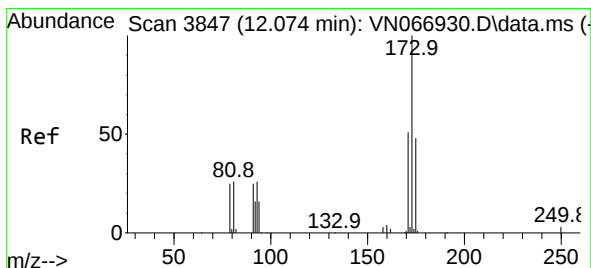
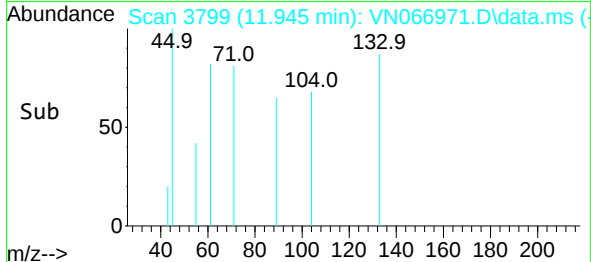
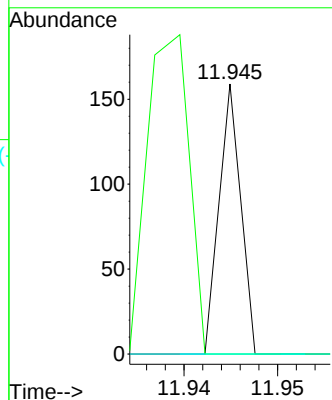


#70
Styrene
Concen: 4.71 ug/l
RT: 11.945 min Scan# 3799
Delta R.T. 0.035 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Instrument :
MSVOA_N
ClientSampled :

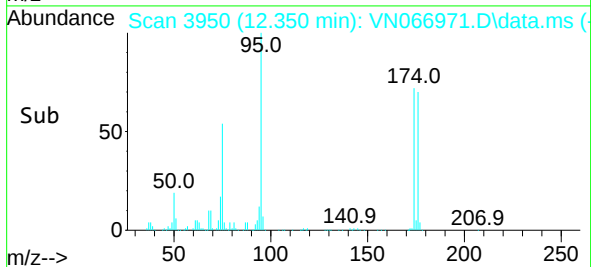
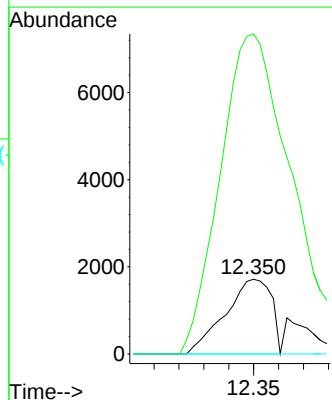
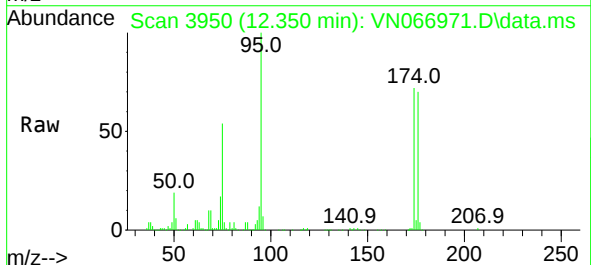


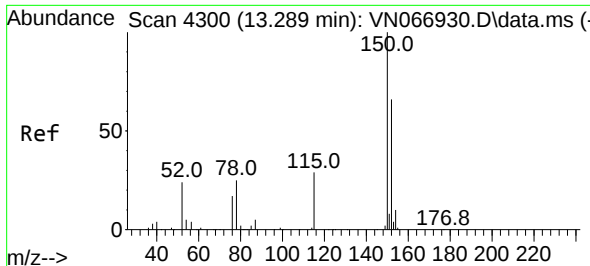
Tgt Ion:104 Resp: 26
Ion Ratio Lower Upper
104 100
78 226.9 39.0 58.4#
103 0.0 44.5 66.7#



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

Tgt Ion:173 Resp: 2209
Ion Ratio Lower Upper
173 100
175 538.0 23.8 71.2#
254 0.0 0.0 0.0

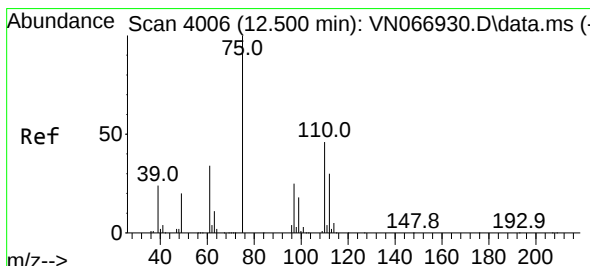
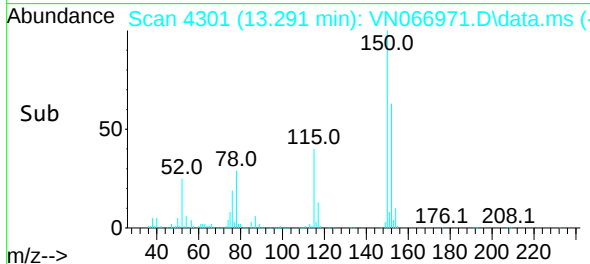
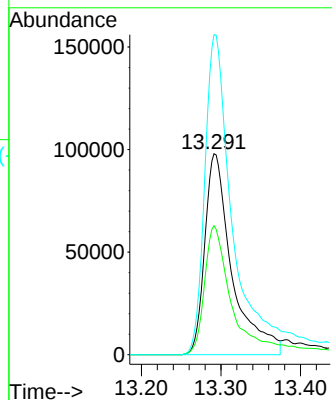
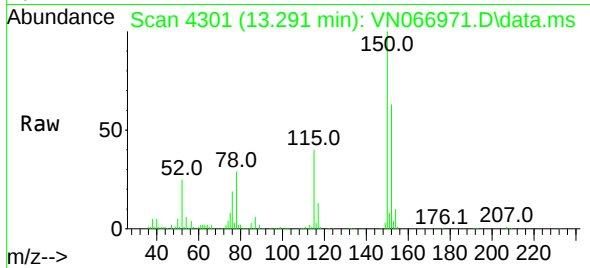




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

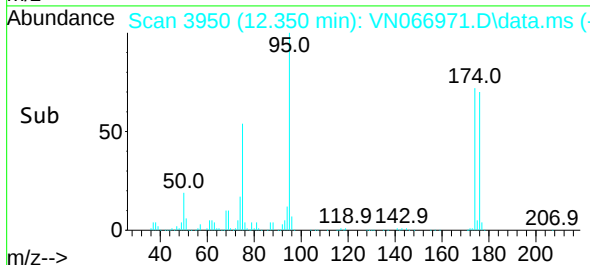
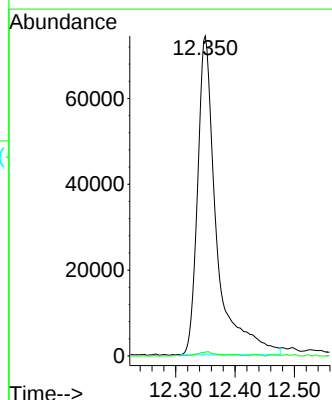
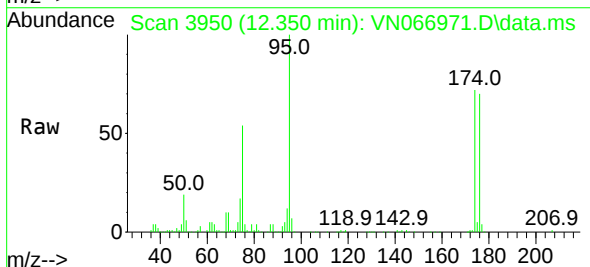
Instrument :
MSVOA_N
ClientSampled :

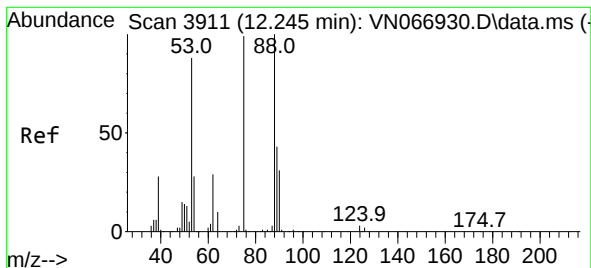
Tgt Ion:152 Resp: 233626
Ion Ratio Lower Upper
152 100
115 69.7 28.5 85.6
150 170.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 29.65 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

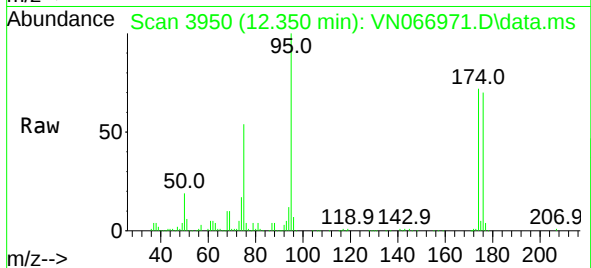
Tgt Ion: 75 Resp: 165025
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



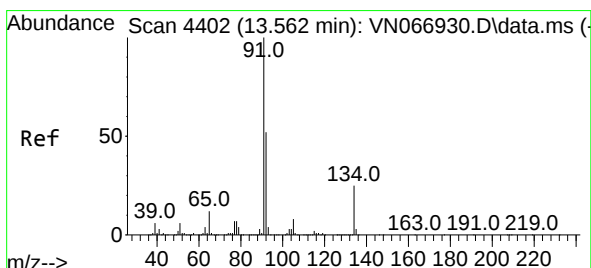
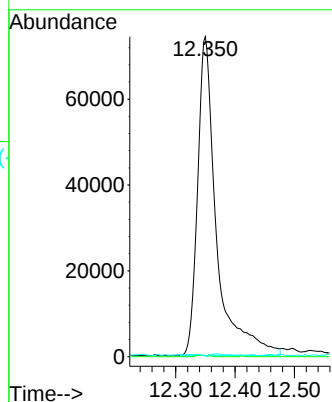
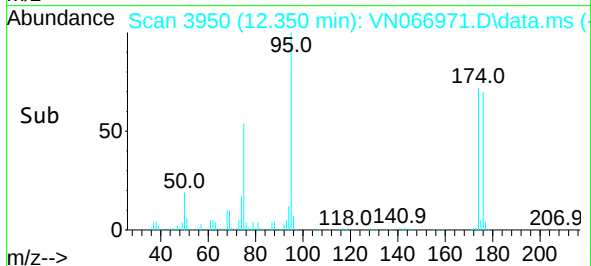


#81
trans-1,4-Dichloro-2-butene
Concen: 88.20 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21

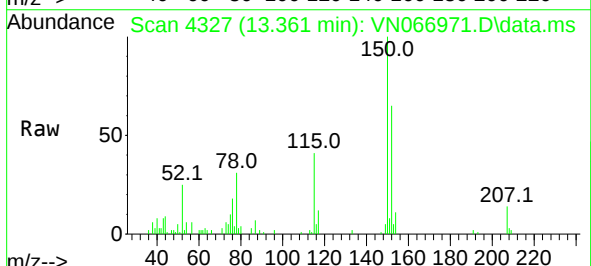
Instrument :
MSVOA_N
ClientSampleId :



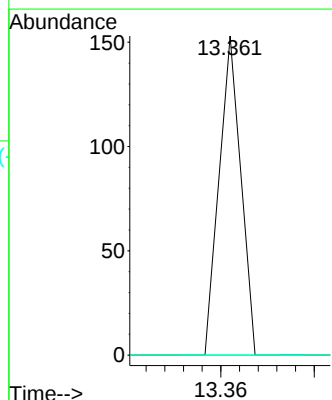
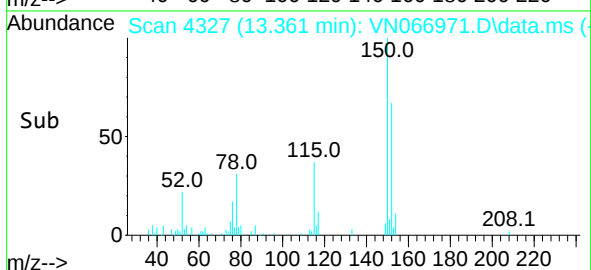
Tgt Ion: 75 Resp: 165025
Ion Ratio Lower Upper
75 100
53 0.3 74.6 111.8#
89 0.0 35.8 53.8#

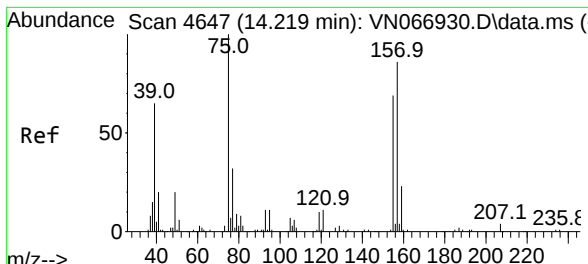


#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.361 min Scan# 4327
Delta R.T. -0.201 min
Lab File: VN066971.D
Acq: 5 May 2021 6:21



Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.25 ug/l
 RT: 14.211 min Scan# 4644
 Delta R.T. -0.008 min
 Lab File: VN066971.D
 Acq: 5 May 2021 6:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 281
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#

