

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066948.D
 Acq On : 4 May 2021 20:18
 Operator : JC/MD
 Sample : PB136139ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 05:28:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

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

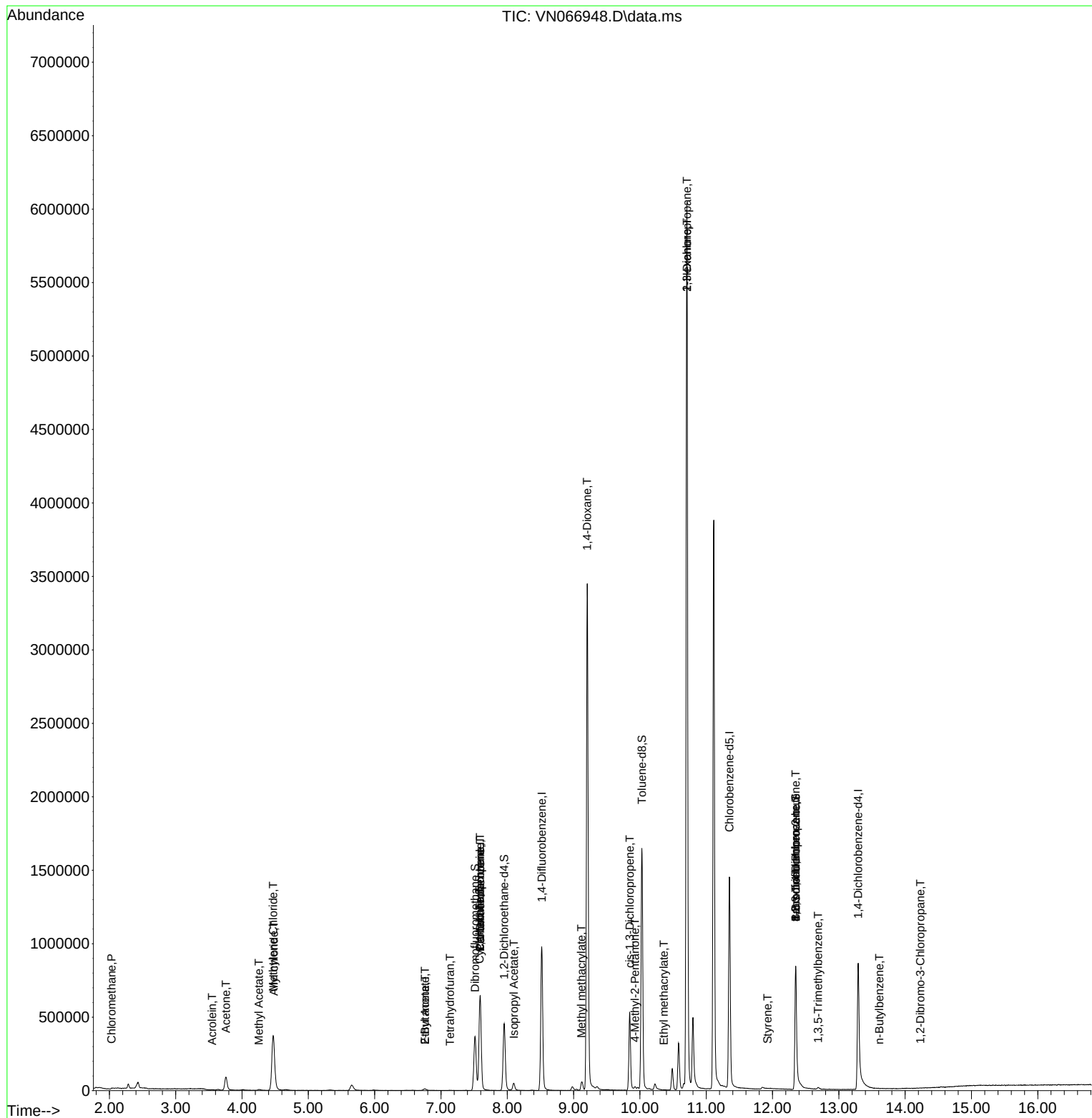
Internal Standards						
1) Pentafluorobenzene	7.592	168	491493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	842316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	818111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	301304	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	401328	51.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.76%			
35) Dibromofluoromethane	7.514	113	282920	49.46	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.92%			
50) Toluene-d8	10.030	98	1126932	51.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.48%			
62) 4-Bromofluorobenzene	12.350	95	351293	47.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.26%			
Target Compounds						Qvalue
3) Chloromethane	2.032	50	2348	0.25	ug/l	100
13) Acrolein	3.550	56	1709	1.88	ug/l	84
14) Allyl chloride	4.478	41	11388	1.06	ug/l #	25
16) Acetone	3.757	43	150428	55.27	ug/l	96
18) Methyl Acetate	4.256	43	10673	1.37	ug/l	98
20) Methylene Chloride	4.470	84	274915	39.82	ug/l	93
25) 2-Butanone	6.758	43	10193	2.54	ug/l	92
29) Tetrahydrofuran	7.136	42	617	0.23	ug/l #	45
31) Cyclohexane	7.581	56	12025	1.10	ug/l #	2
36) 1,1-Dichloropropene	7.589	75	43490	4.96	ug/l #	48
37) Ethyl Acetate	6.758	43	10193	1.14	ug/l #	68
38) Carbon Tetrachloride	7.589	117	52333	5.72	ug/l #	19
43) Isopropyl Acetate	8.099	43	63223	4.36	ug/l #	85
48) Methyl methacrylate	9.118	41	14006	2.18	ug/l #	10
49) 1,4-Dioxane	9.204	88	509	4.99	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	16171	1.93	ug/l	88
54) cis-1,3-Dichloropropene	9.845	75	95877	8.30	ug/l #	64
56) Ethyl methacrylate	10.360	69	279	5.22	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	61186	5.38	ug/l #	43
59) 2-Hexanone	10.709	43	872861	154.58	ug/l #	50
70) Styrene	11.926	104	25	4.71	ug/l #	1
71) Bromoform	12.350	173	2925	0.60	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	182442	25.42	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.688	105	8173	0.40	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.350	75	182442	76.40	ug/l #	13
89) n-Butylbenzene	13.610	91	105	5.25	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.230	75	332	0.23	ug/l #	1

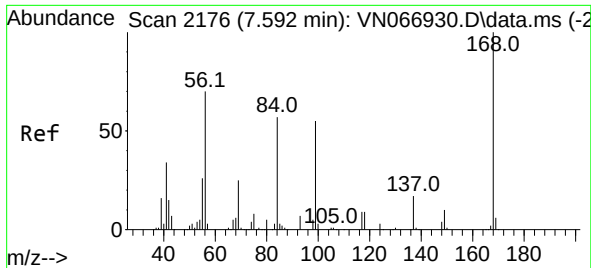
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

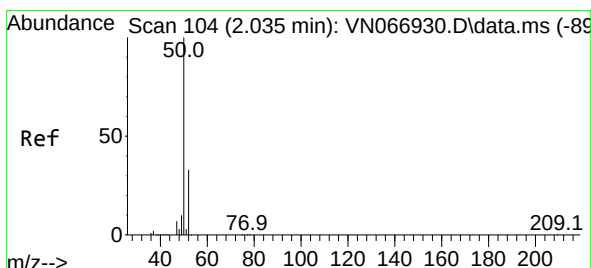
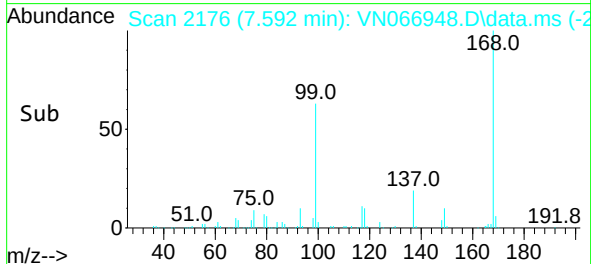
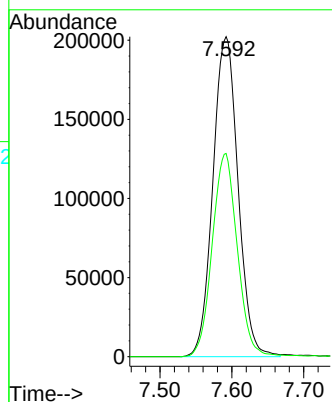
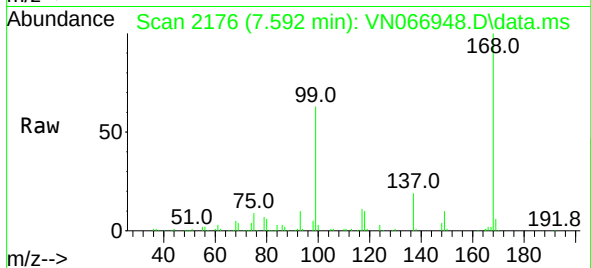




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

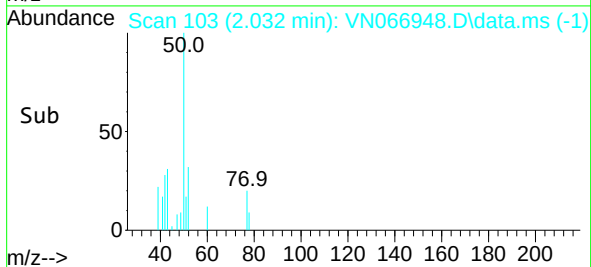
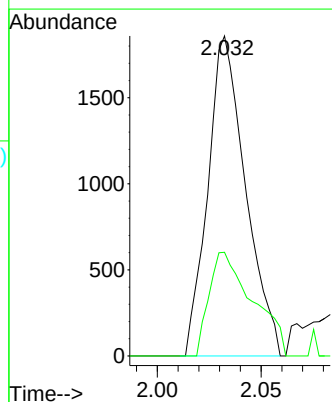
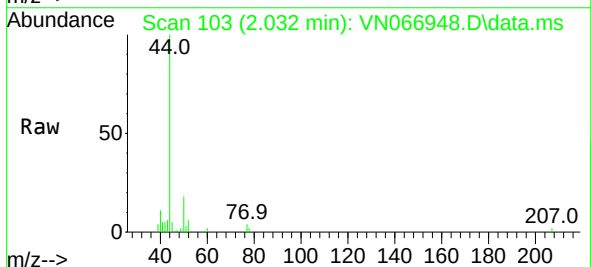
Instrument :
MSVOA_N
ClientSampled :

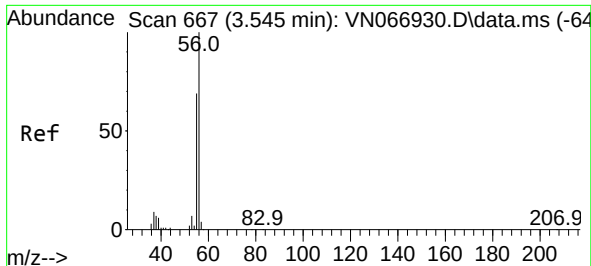
Tgt Ion:168 Resp: 491493
Ion Ratio Lower Upper
168 100
99 63.5 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.032 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

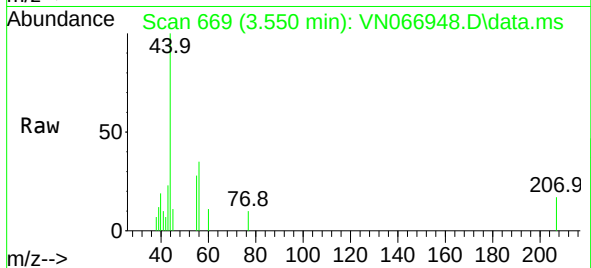
Tgt Ion: 50 Resp: 2348
Ion Ratio Lower Upper
50 100
52 32.4 25.8 38.8



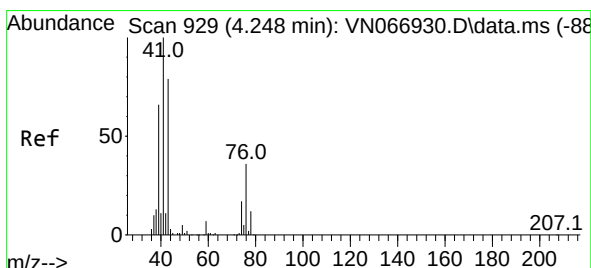
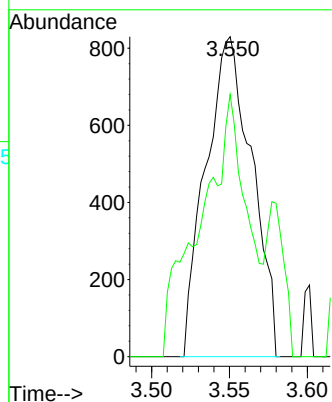
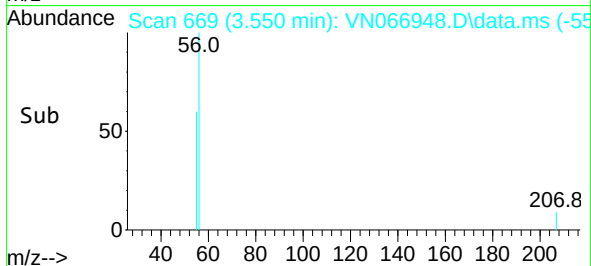


#13
Acrolein
Concen: 1.88 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

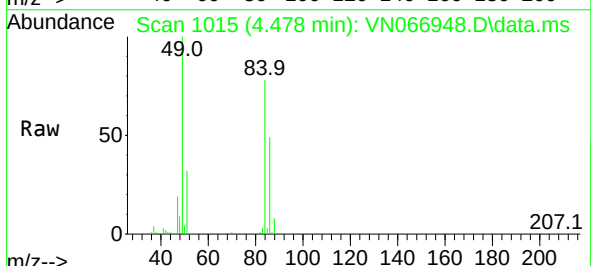
Instrument :
MSVOA_N
ClientSampled :



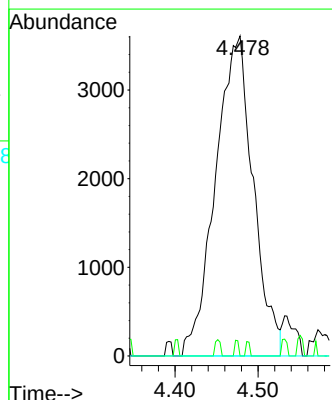
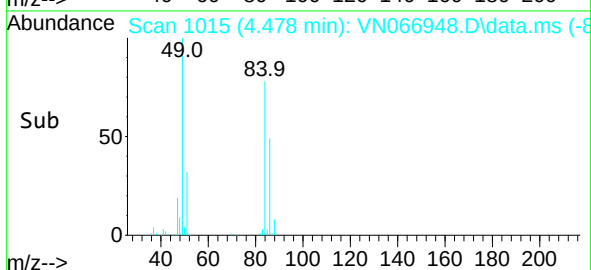
Tgt Ion: 56 Resp: 1709
Ion Ratio Lower Upper
56 100
55 83.3 56.0 84.0

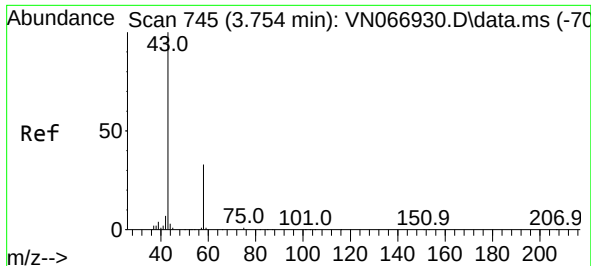


#14
Allyl chloride
Concen: 1.06 ug/l
RT: 4.478 min Scan# 1015
Delta R.T. 0.230 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18



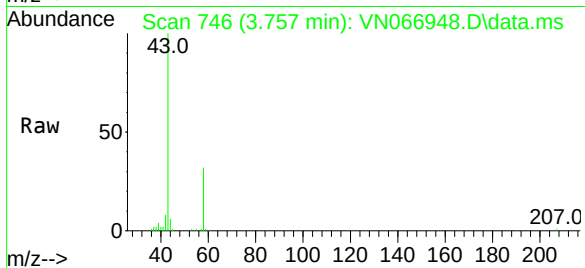
Tgt Ion: 41 Resp: 11388
Ion Ratio Lower Upper
41 100
39 0.5 53.0 79.4#
76 0.0 28.9 43.3#



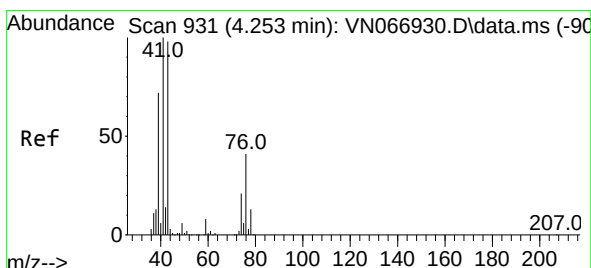
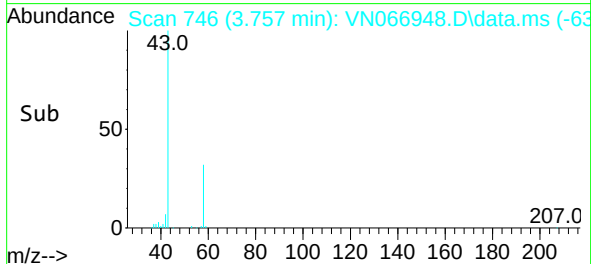
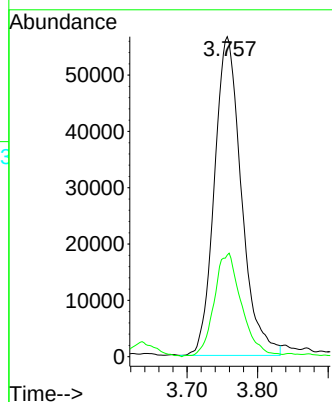


#16
Acetone
Concen: 55.27 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Instrument :
MSVOA_N
ClientSampled :

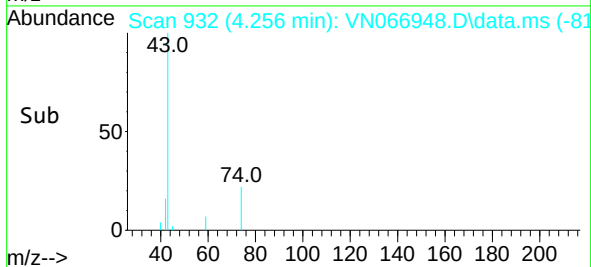
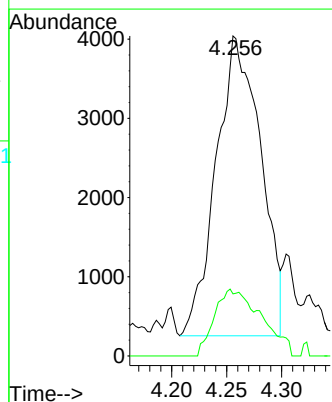
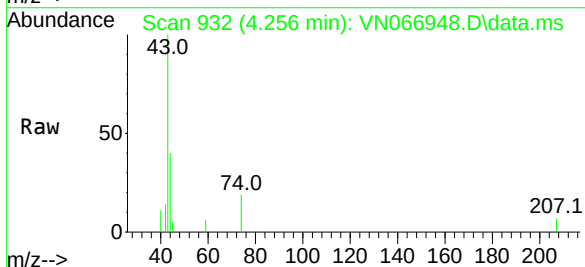


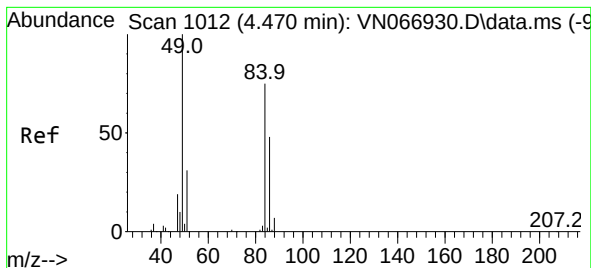
Tgt Ion: 43 Resp: 150428
Ion Ratio Lower Upper
43 100
58 31.6 27.0 40.6



#18
Methyl Acetate
Concen: 1.37 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

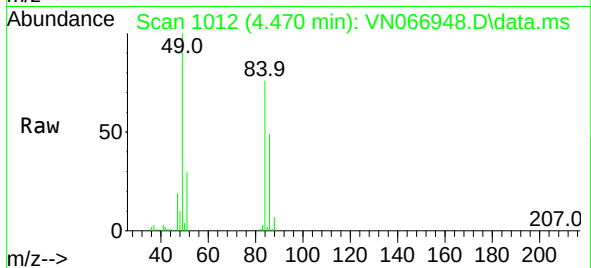
Tgt Ion: 43 Resp: 10673
Ion Ratio Lower Upper
43 100
74 23.5 19.5 29.3



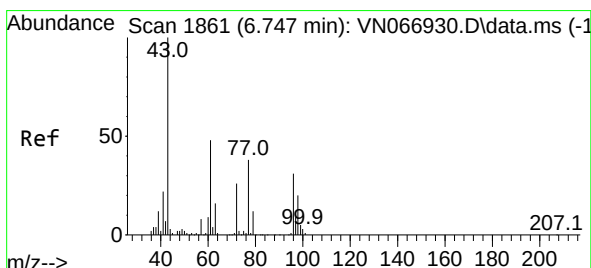
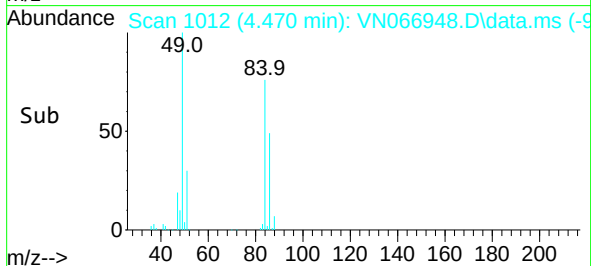
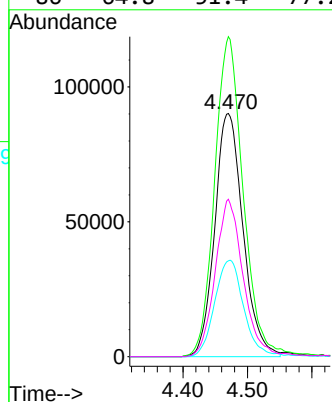


#20
Methylene Chloride
Concen: 39.82 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

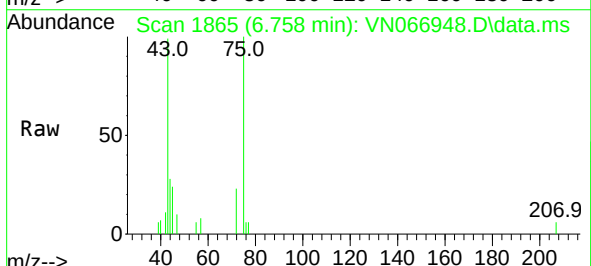
Instrument :
MSVOA_N
ClientSampled :



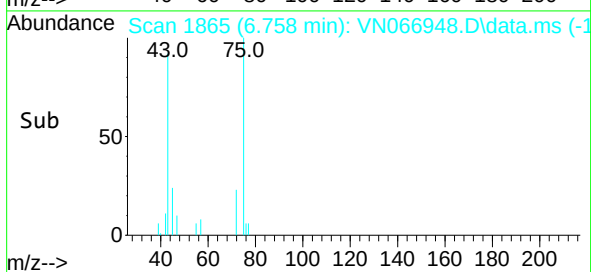
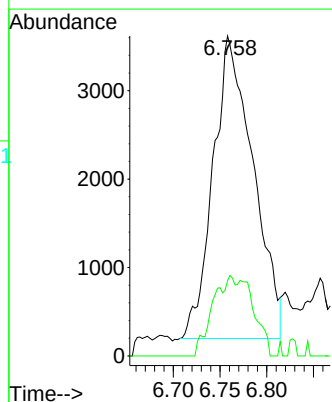
Tgt Ion:	84	Resp:	274915
Ion	Ratio	Lower	Upper
84	100		
49	131.6	94.6	141.8
51	39.4	29.9	44.9
86	64.8	51.4	77.2

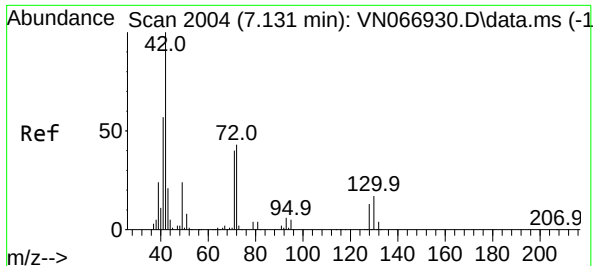


#25
2-Butanone
Concen: 2.54 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18



Tgt Ion:	43	Resp:	10193
Ion	Ratio	Lower	Upper
43	100		
72	24.9	23.1	34.7

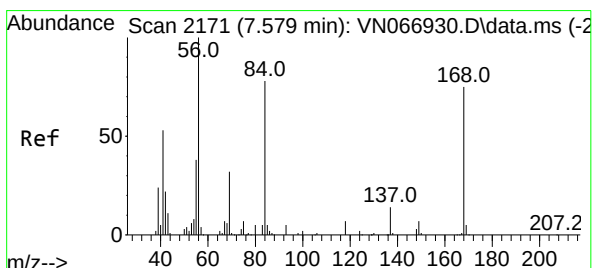
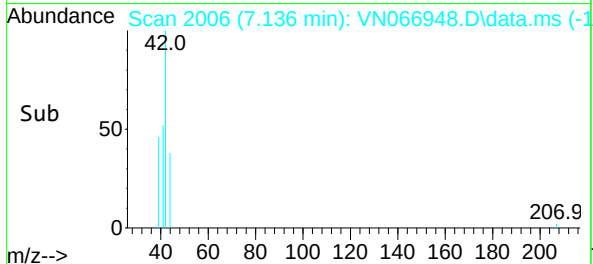
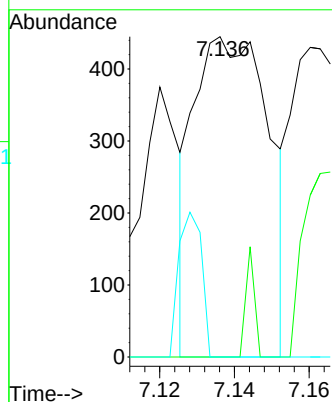
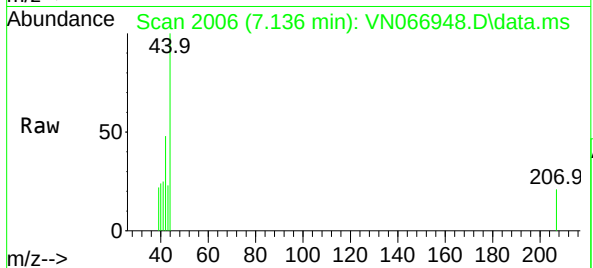




#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.136 min Scan# 2006
Delta R.T. 0.005 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

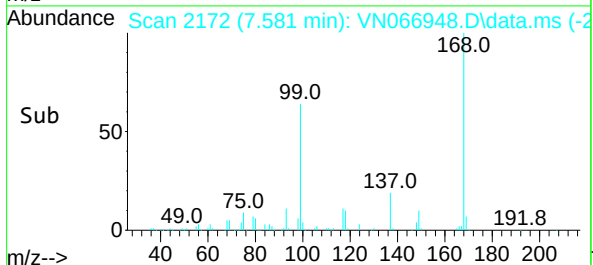
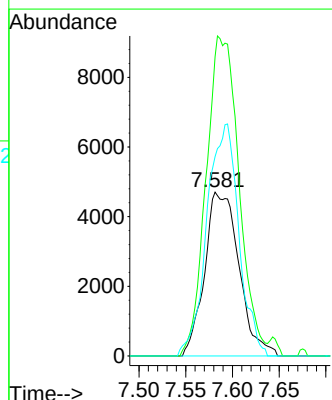
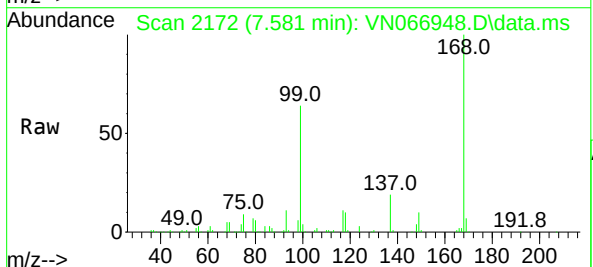
Instrument :
MSVOA_N
ClientSampled :

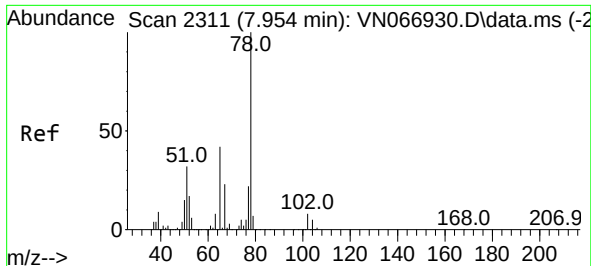
Tgt Ion: 42 Resp: 617
Ion Ratio Lower Upper
42 100
72 4.1 36.6 55.0#
71 13.9 34.3 51.5#



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.581 min Scan# 2172
Delta R.T. 0.002 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

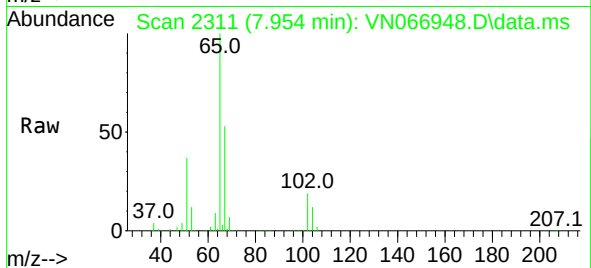
Tgt Ion: 56 Resp: 12025
Ion Ratio Lower Upper
56 100
69 182.6 26.6 39.8#
84 121.7 70.4 105.6#





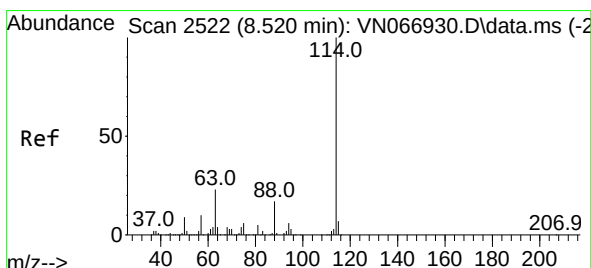
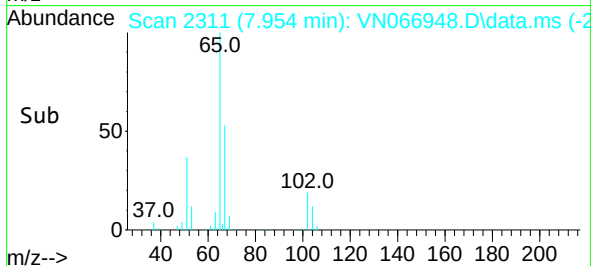
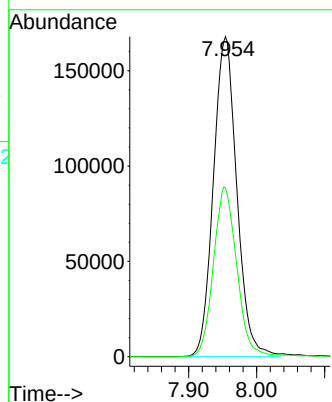
#33
 1,2-Dichloroethane-d4
 Concen: 51.88 ug/l
 RT: 7.954 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: VN066948.D
 Acq: 4 May 2021 20:18

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion: 65 Resp: 401328

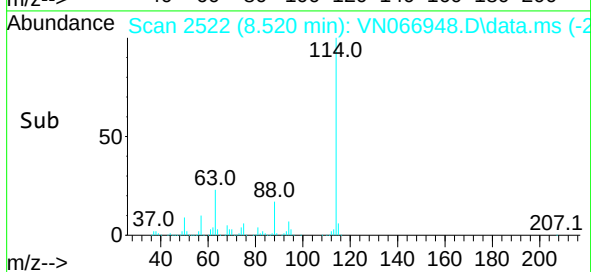
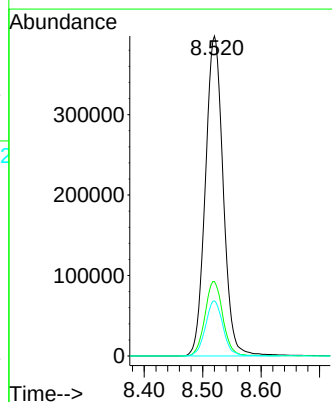
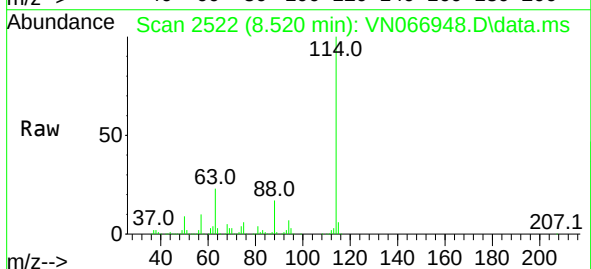
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.2

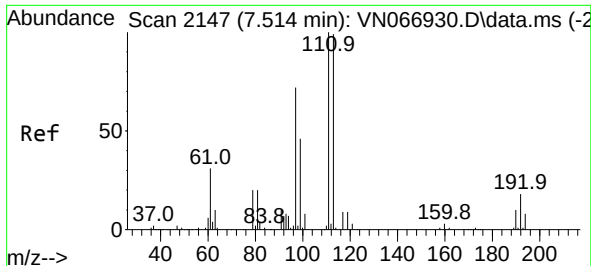


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: VN066948.D
 Acq: 4 May 2021 20:18

Tgt Ion: 114 Resp: 842316

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	38.6
88	17.2	0.0	30.6

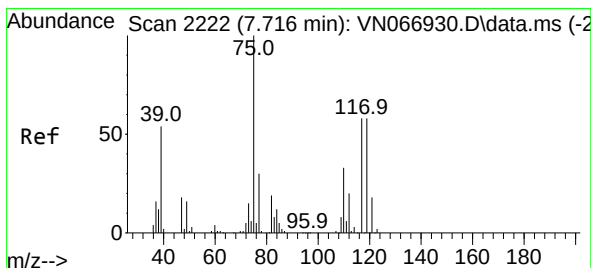
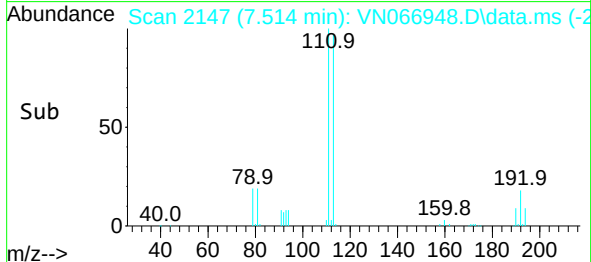
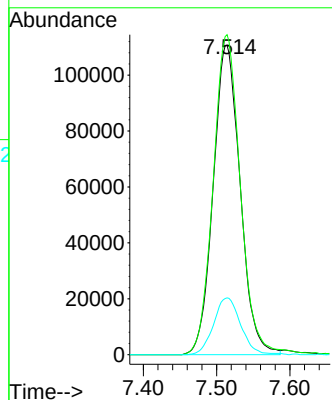
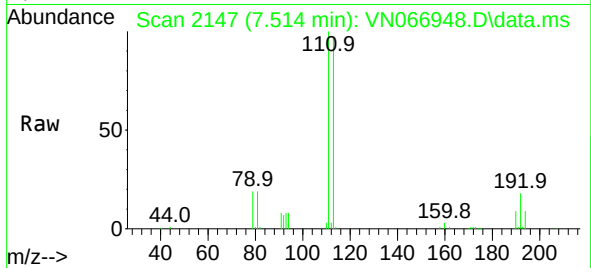




#35
Dibromofluoromethane
Concen: 49.46 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

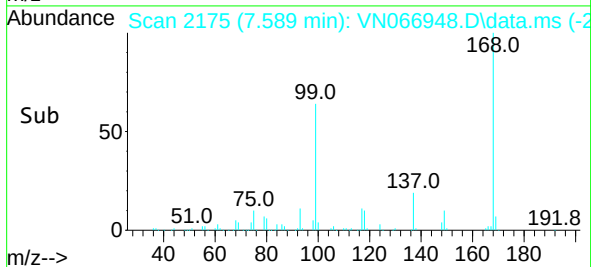
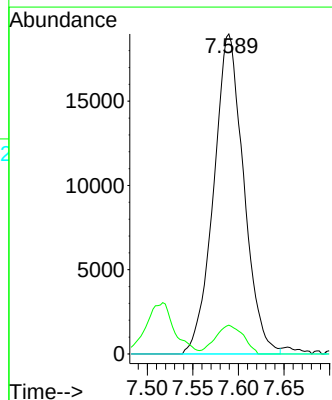
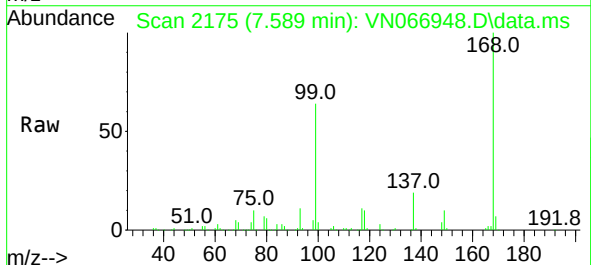
Instrument :
MSVOA_N
ClientSampled :

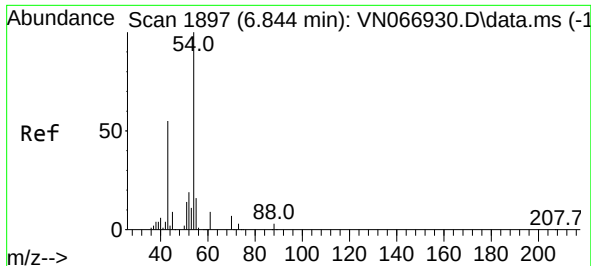
Tgt Ion:113 Resp: 282920
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 18.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.96 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion: 75 Resp: 43490
Ion Ratio Lower Upper
75 100
110 8.4 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.14 ug/l

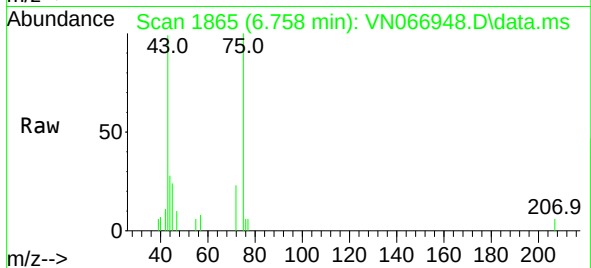
RT: 6.758 min Scan# 1865

Delta R.T. -0.086 min

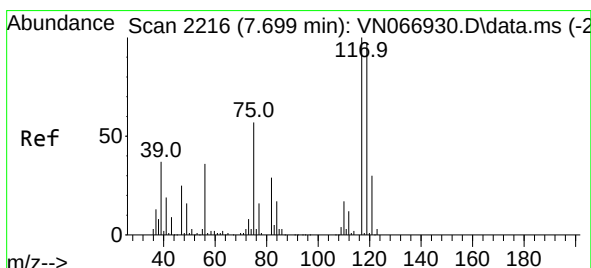
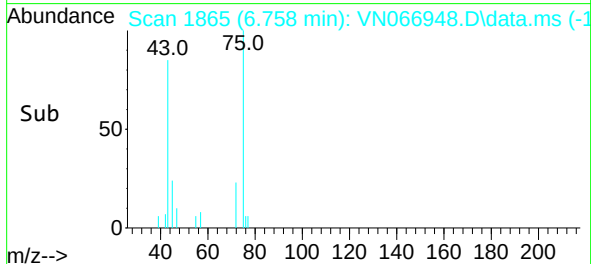
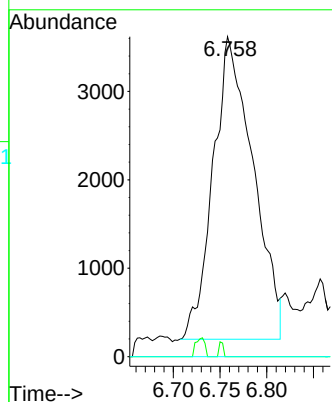
Lab File: VN066948.D

Acq: 4 May 2021 20:18

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	10193
Ion	Ratio	Lower	Upper
43	100		
61	0.5	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.72 ug/l

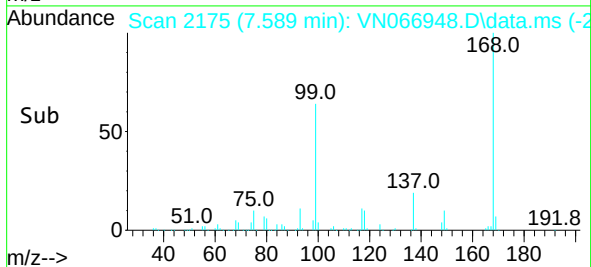
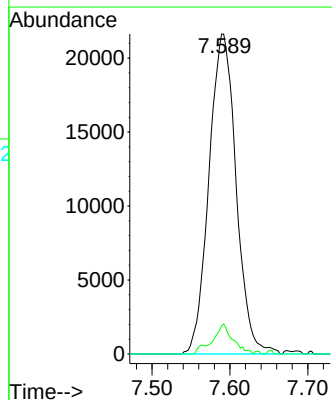
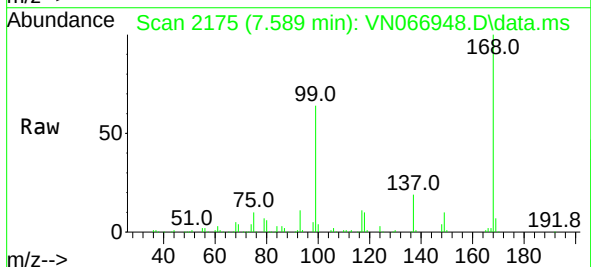
RT: 7.589 min Scan# 2175

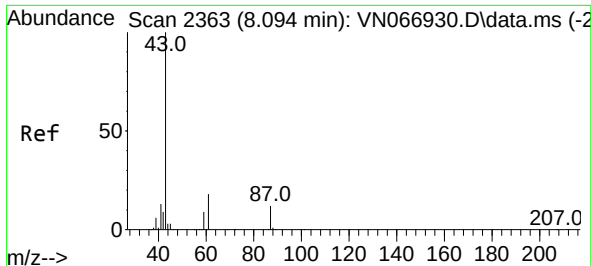
Delta R.T. -0.110 min

Lab File: VN066948.D

Acq: 4 May 2021 20:18

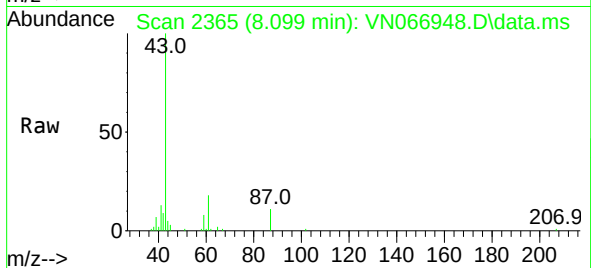
Tgt Ion:	117	Resp:	52333
Ion	Ratio	Lower	Upper
117	100		
119	8.8	76.0	114.0#
121	0.0	24.5	36.7#



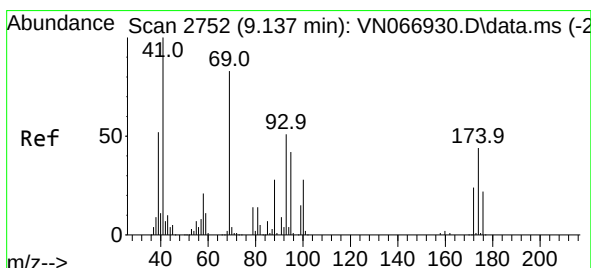
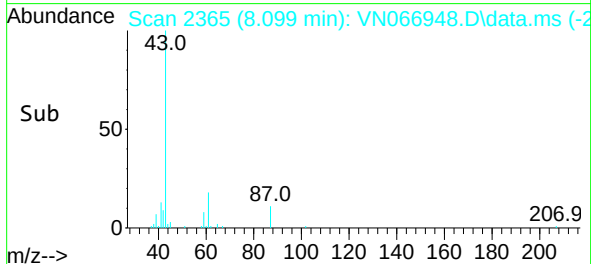
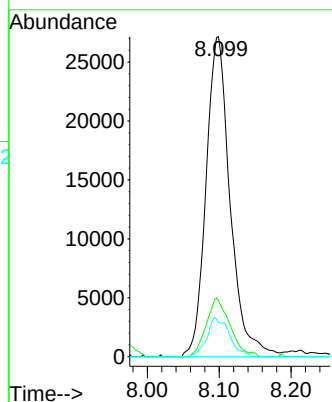


#43
Isopropyl Acetate
Concen: 4.36 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Instrument :
MSVOA_N
ClientSampled :

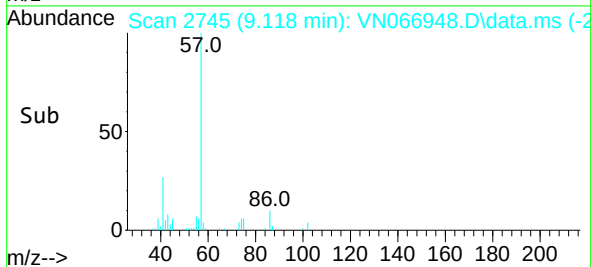
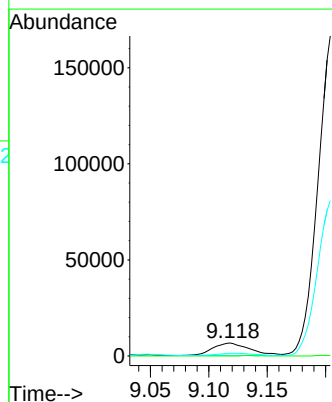
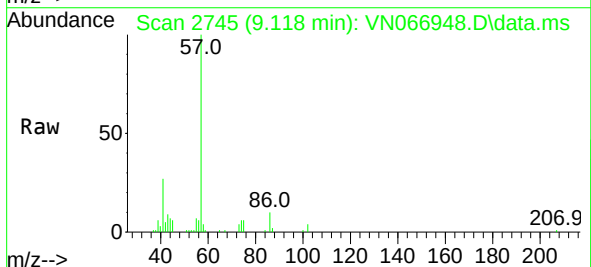


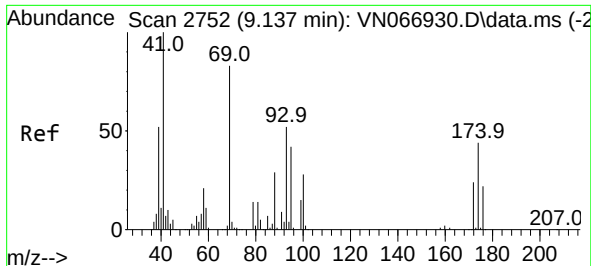
Tgt Ion: 43 Resp: 63223
Ion Ratio Lower Upper
43 100
61 17.7 22.5 33.7#
87 11.4 11.1 16.7



#48
Methyl methacrylate
Concen: 2.18 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

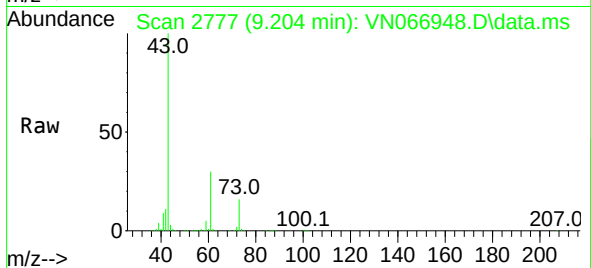
Tgt Ion: 41 Resp: 14006
Ion Ratio Lower Upper
41 100
69 0.9 75.9 113.9#
39 0.0 46.6 69.8#



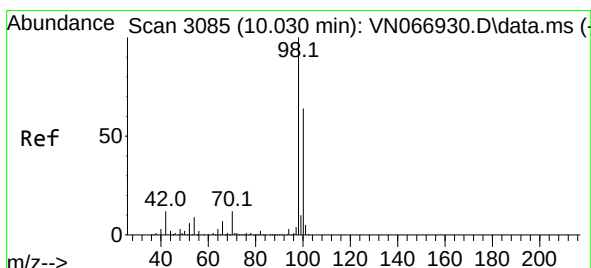
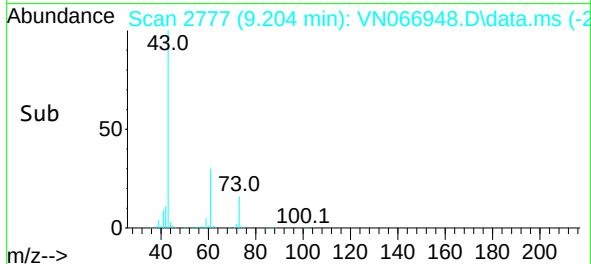
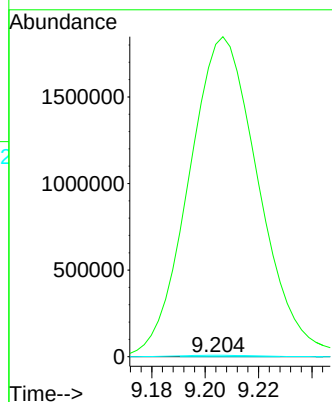


#49
1,4-Dioxane
Concen: 4.99 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.067 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Instrument :
MSVOA_N
ClientSampled :

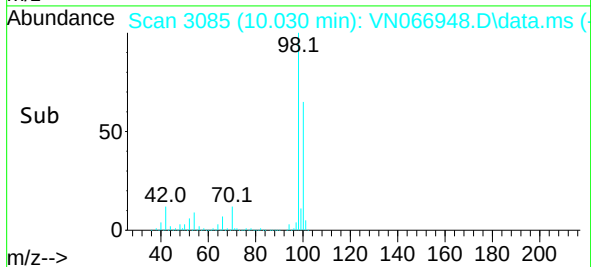
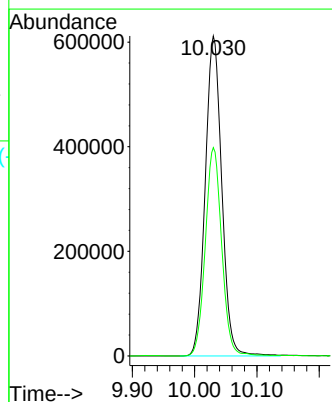
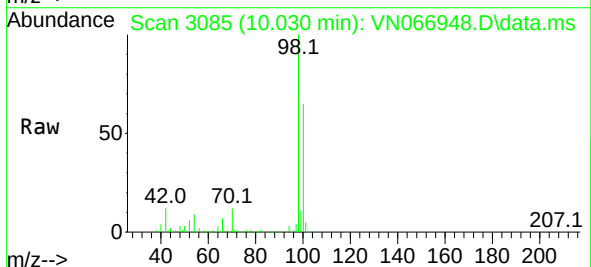


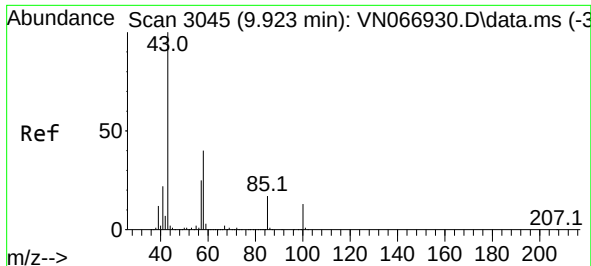
Tgt Ion: 88 Resp: 509
Ion Ratio Lower Upper
88 100
43 676158.7 24.7 37.1#
58 3184.7 52.6 78.8#



#50
Toluene-d8
Concen: 51.74 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion: 98 Resp: 1126932
Ion Ratio Lower Upper
98 100
100 64.8 50.5 75.7

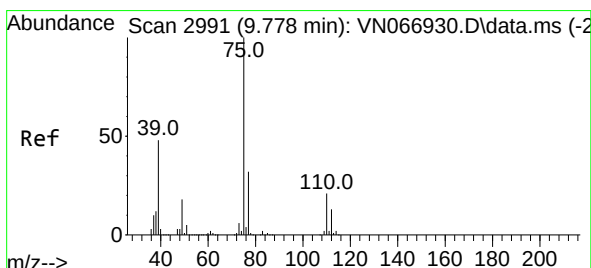
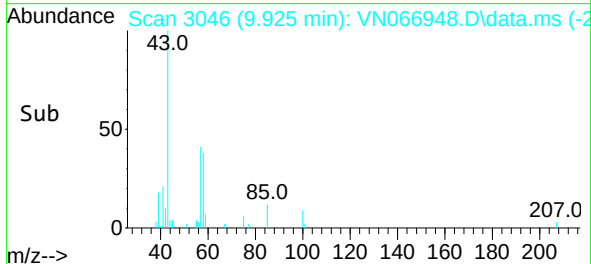
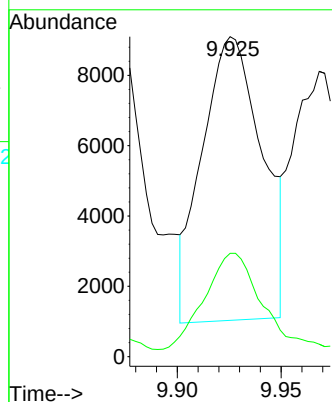
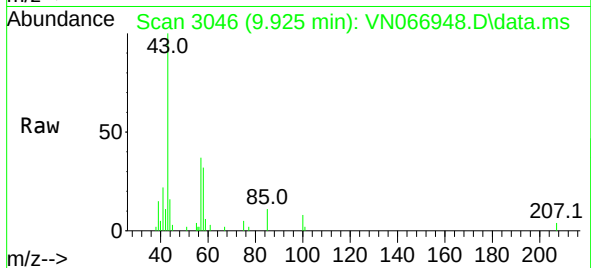




#51
4-Methyl-2-Pentanone
Concen: 1.93 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

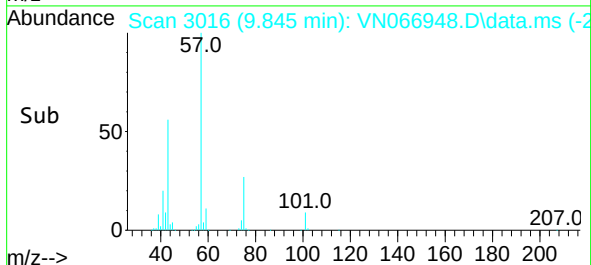
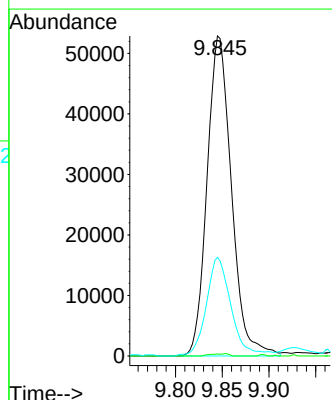
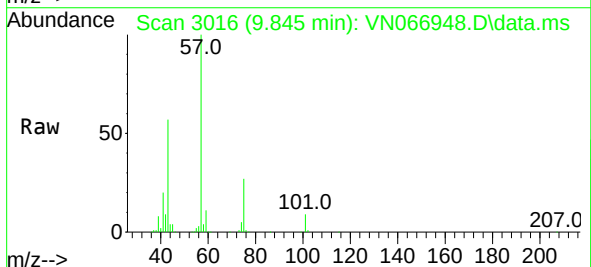
Instrument :
MSVOA_N
ClientSampled :

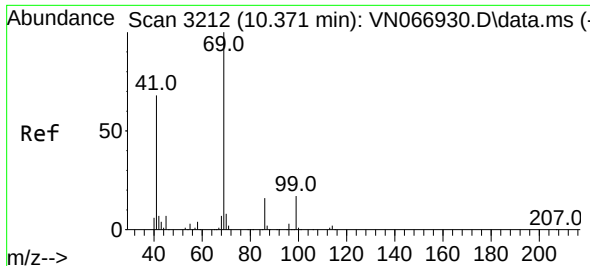
Tgt Ion: 43 Resp: 16171
Ion Ratio Lower Upper
43 100
58 33.2 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.30 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion: 75 Resp: 95877
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 30.4 36.2 54.4#

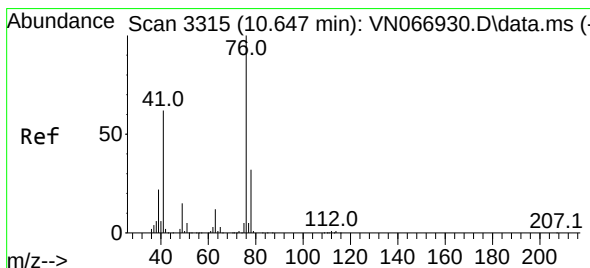
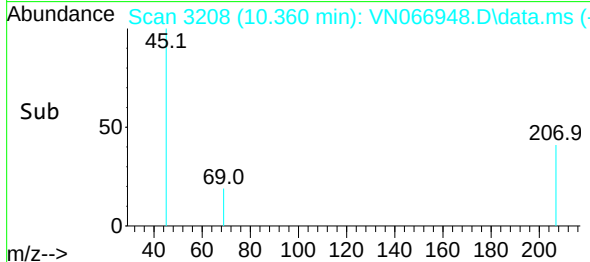
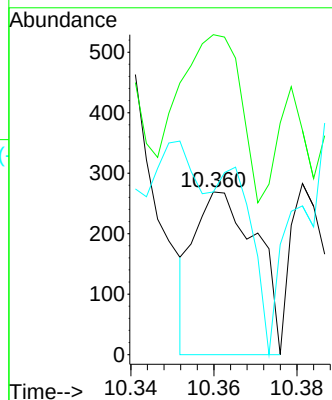
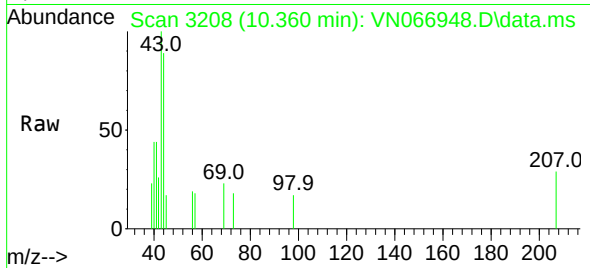




#56
Ethyl methacrylate
Concen: 5.22 ug/l
RT: 10.360 min Scan# 3208
Delta R.T. -0.011 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

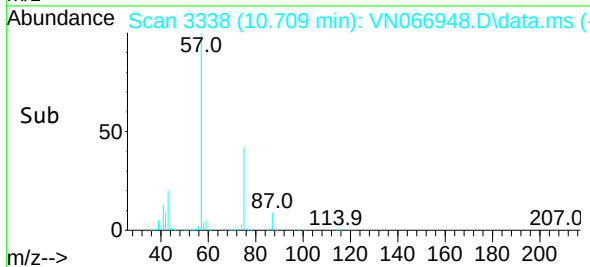
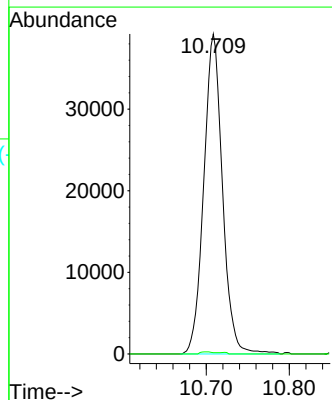
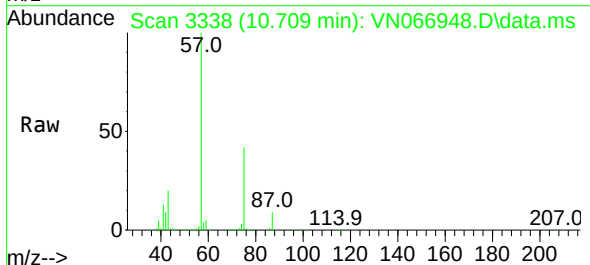
Instrument :
MSVOA_N
ClientSampleId :

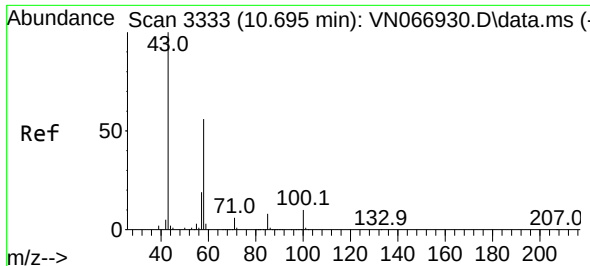
Tgt Ion: 69 Resp: 279
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 5.38 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion: 76 Resp: 61186
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

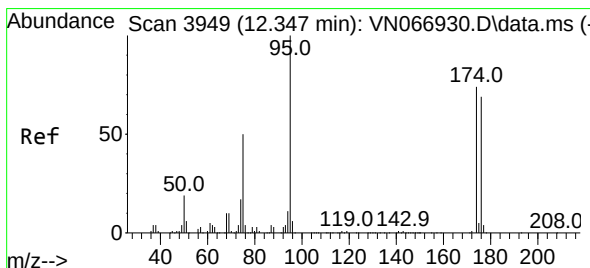
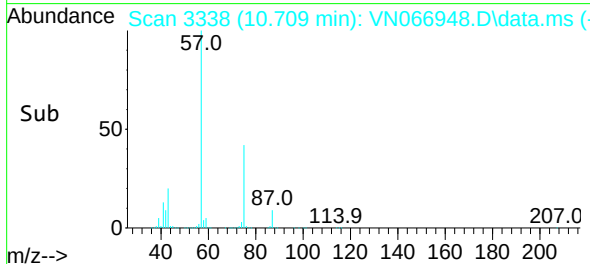
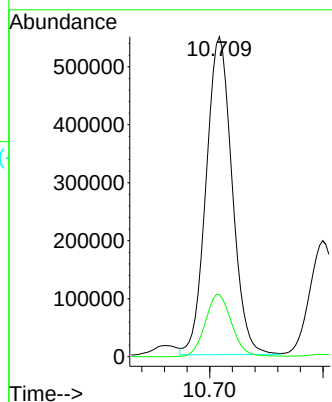
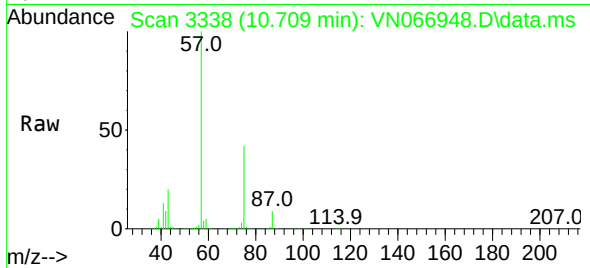




#59
2-Hexanone
Concen: 154.58 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

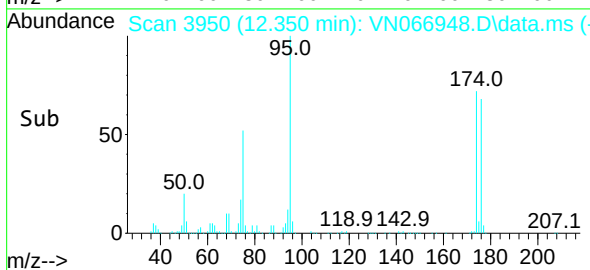
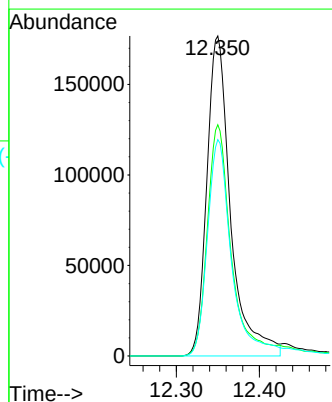
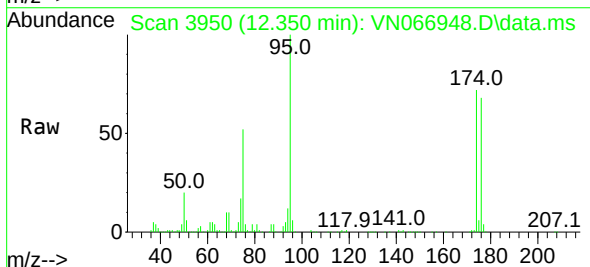
Instrument :
MSVOA_N
ClientSampled :

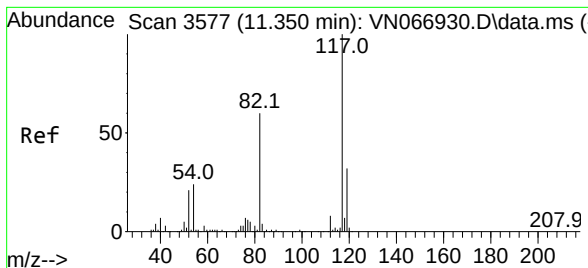
Tgt Ion: 43 Resp: 872861
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.63 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion: 95 Resp: 351293
Ion Ratio Lower Upper
95 100
174 75.0 0.0 169.0
176 71.2 0.0 162.4

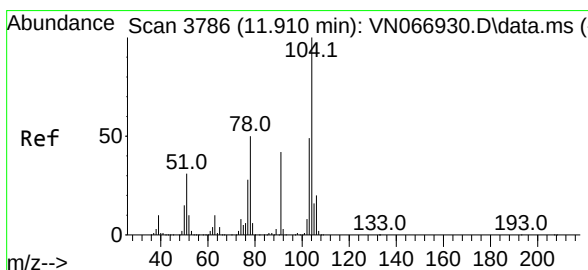
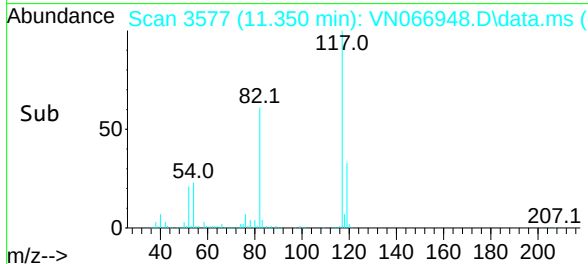
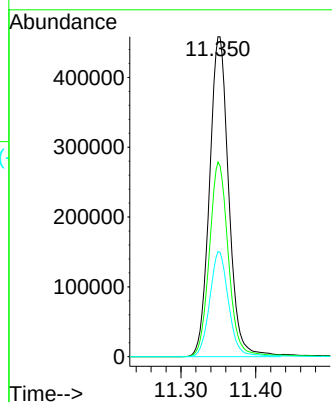
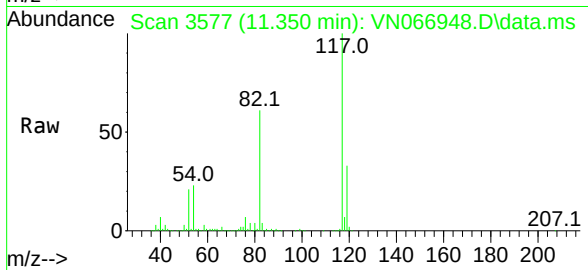




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

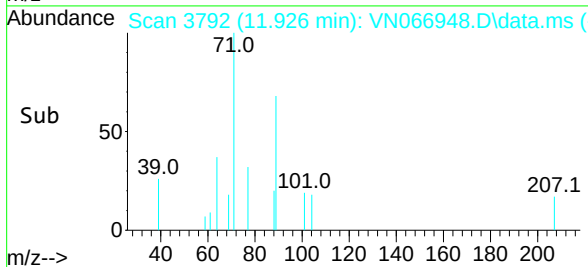
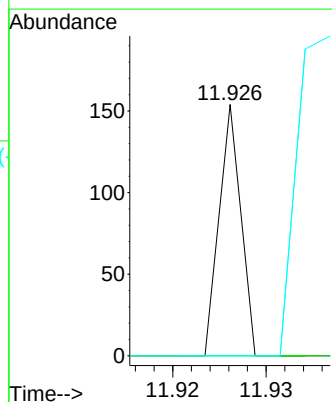
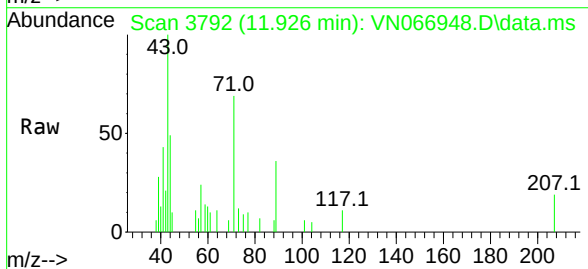
Instrument :
MSVOA_N
ClientSampled :

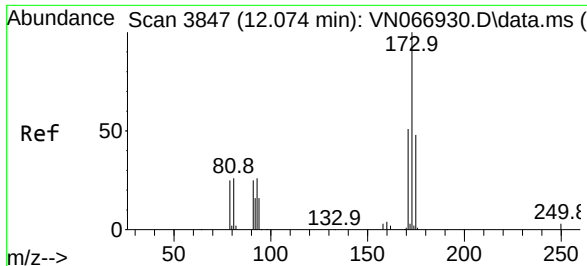
Tgt Ion:117 Resp: 818111
Ion Ratio Lower Upper
117 100
82 60.8 43.7 65.5
119 32.8 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.926 min Scan# 3792
Delta R.T. 0.016 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion:104 Resp: 25
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 344.0 44.5 66.7#

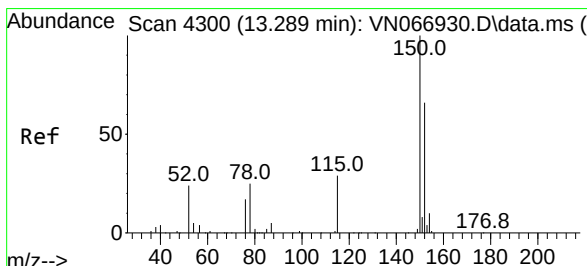
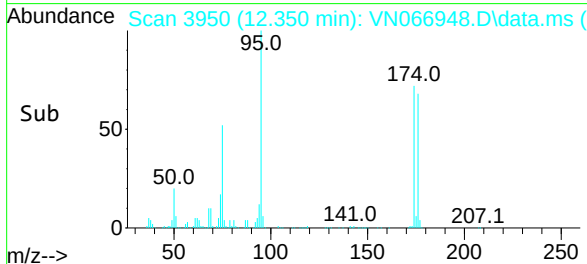
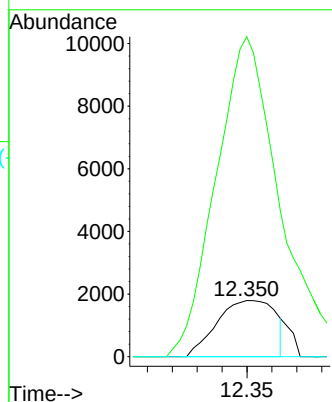
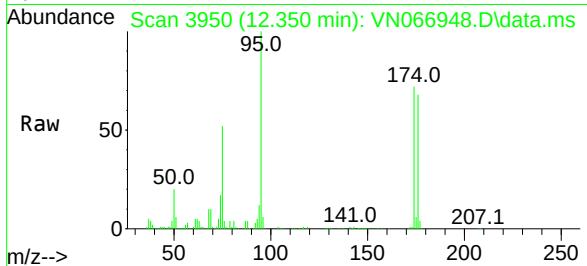




#71
Bromoform
Concen: 0.60 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

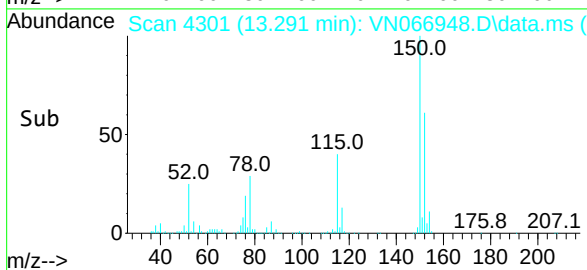
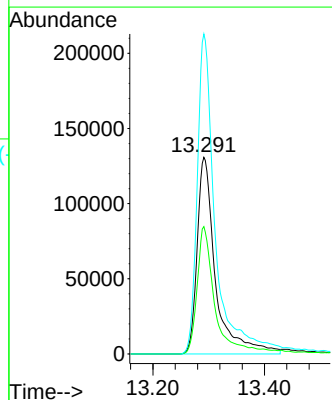
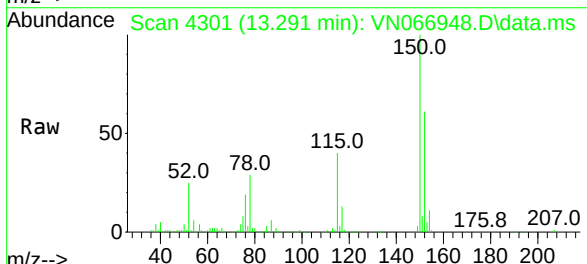
Instrument :
MSVOA_N
ClientSampleId :

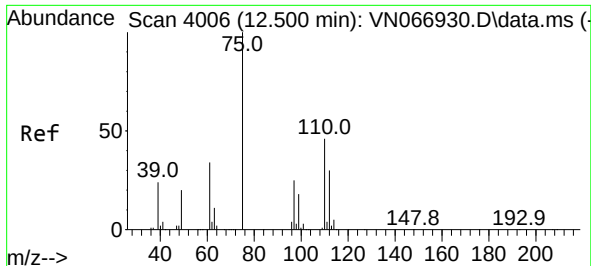
Tgt Ion:173 Resp: 2925
Ion Ratio Lower Upper
173 100
175 523.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

Tgt Ion:152 Resp: 301304
Ion Ratio Lower Upper
152 100
115 60.7 28.5 85.6
150 159.9 0.0 347.6

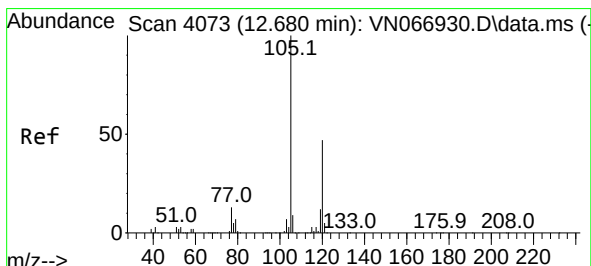
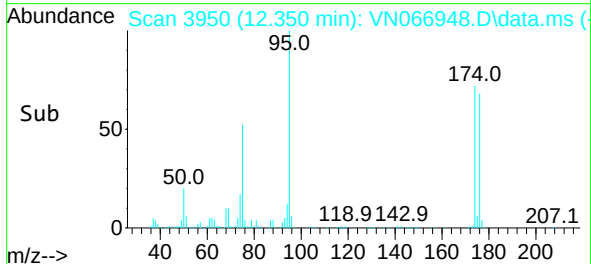
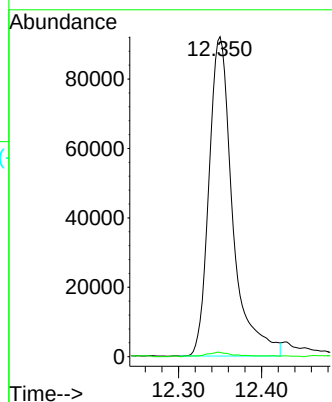
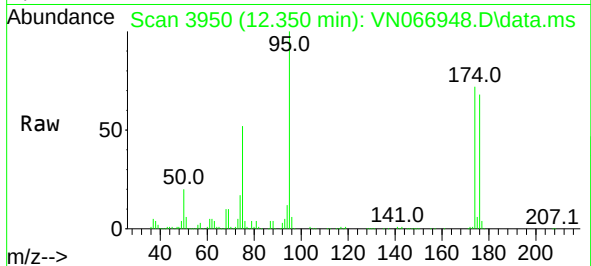




#76
1,2,3-Trichloropropane
Concen: 25.42 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

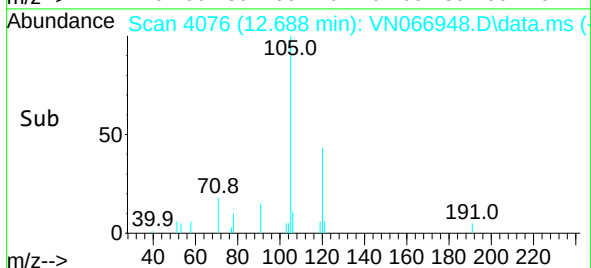
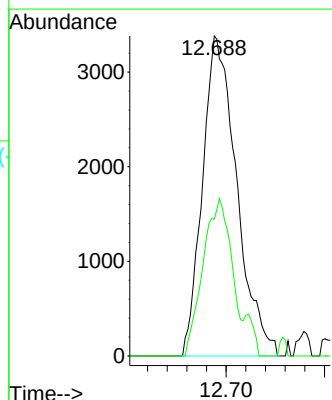
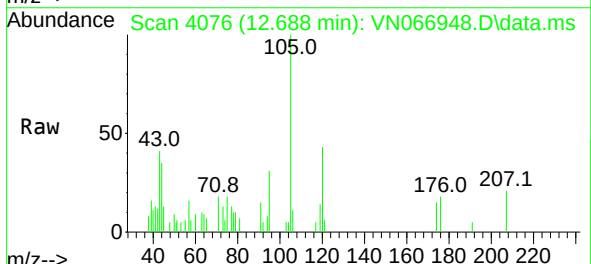
Instrument :
MSVOA_N
ClientSampled :

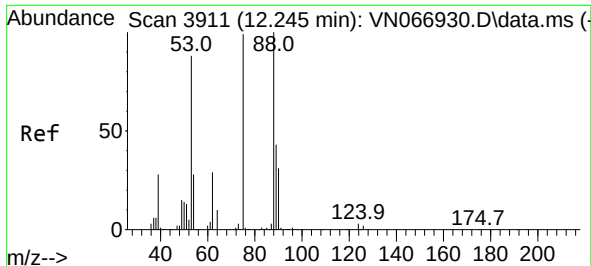
Tgt Ion: 75 Resp: 182442
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.40 ug/l
RT: 12.688 min Scan# 4076
Delta R.T. 0.008 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

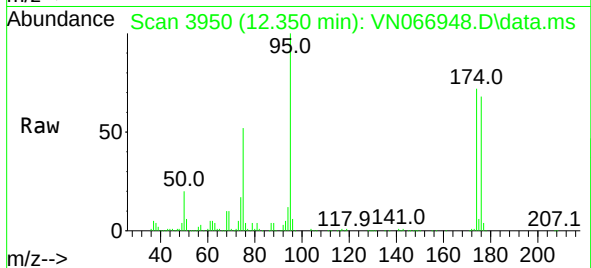
Tgt Ion:105 Resp: 8173
Ion Ratio Lower Upper
105 100
120 41.3 24.3 72.8



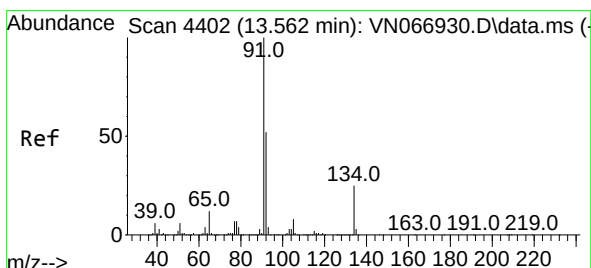
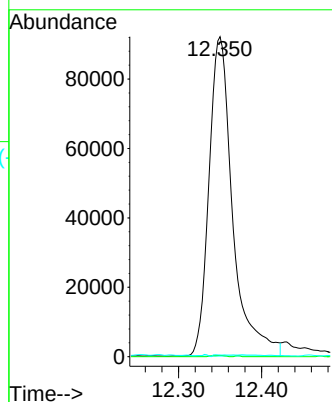
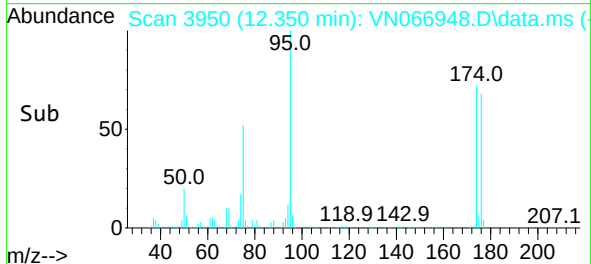


#81
trans-1,4-Dichloro-2-butene
Concen: 76.40 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18

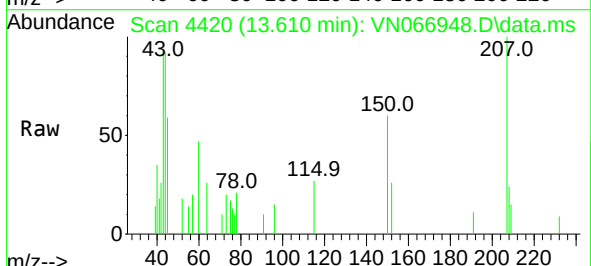
Instrument :
MSVOA_N
ClientSampled :



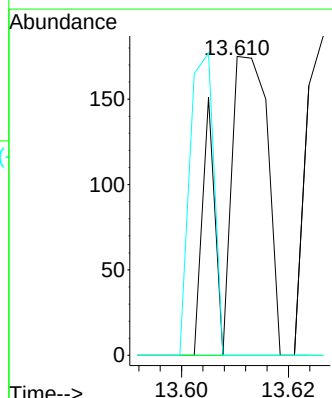
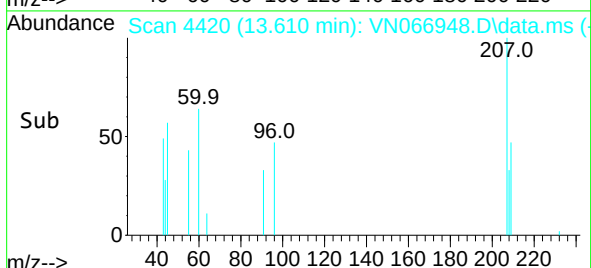
Tgt Ion: 75 Resp: 182442
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.3 35.8 53.8#

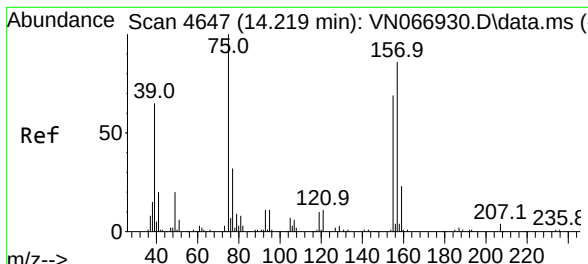


#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.610 min Scan# 4420
Delta R.T. 0.048 min
Lab File: VN066948.D
Acq: 4 May 2021 20:18



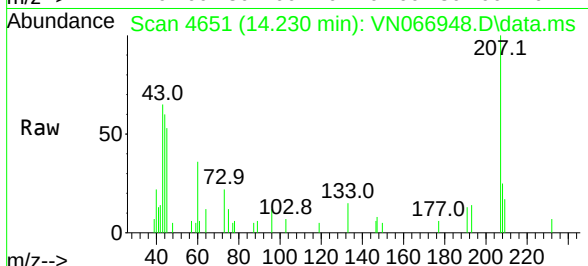
Tgt Ion: 91 Resp: 105
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 52.4 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.23 ug/l
 RT: 14.230 min Scan# 4651
 Delta R.T. 0.011 min
 Lab File: VN066948.D
 Acq: 4 May 2021 20:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 332
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#

