

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066996.D
 Acq On : 5 May 2021 18:39
 Operator : JC/MD
 Sample : M2254-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:52:22 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)

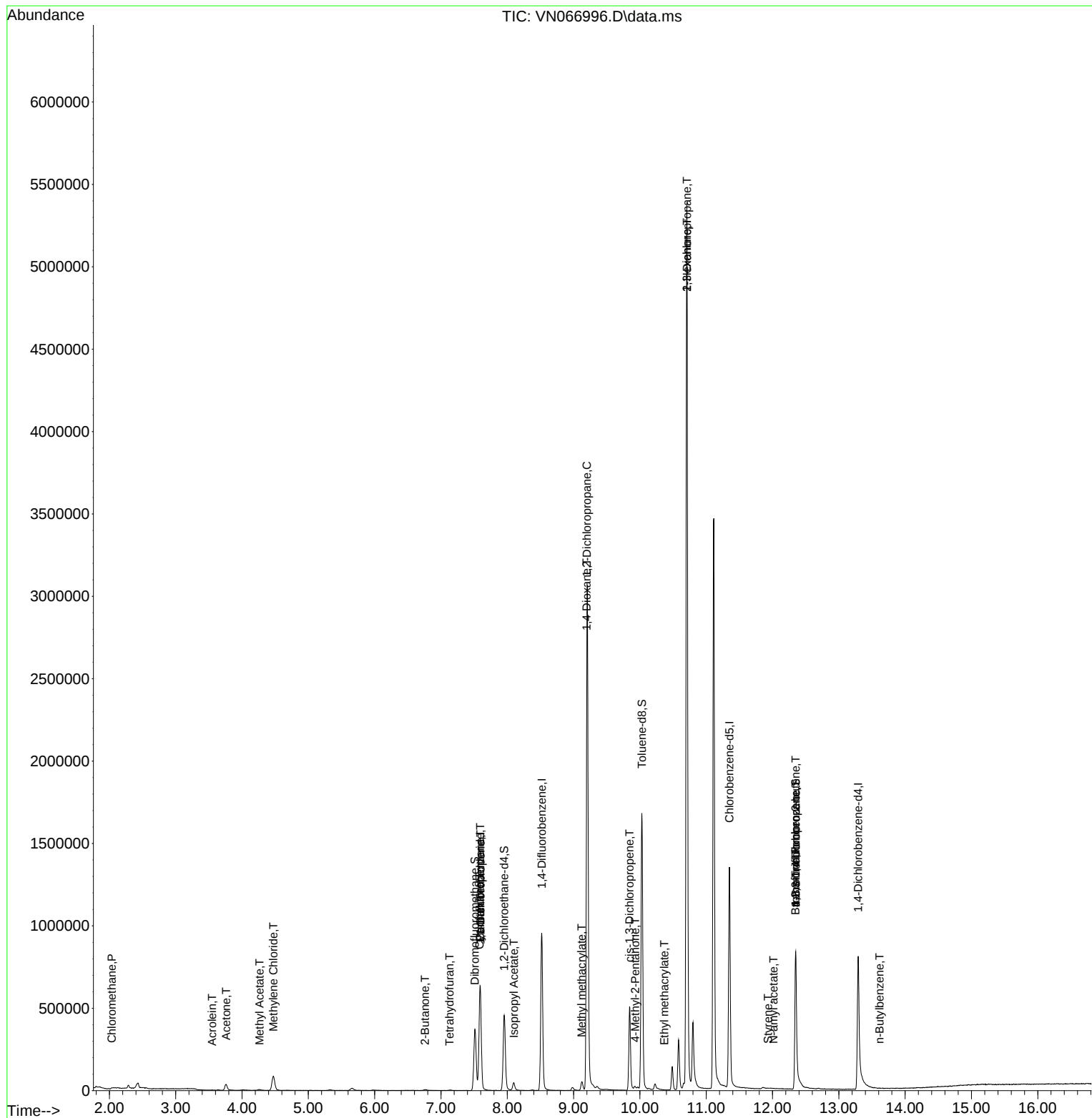
Internal Standards						
1) Pentafluorobenzene	7.590	168	485993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	824047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	760770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	284550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	412974	53.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.98%			
35) Dibromofluoromethane	7.512	113	289339	51.71	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.42%			
50) Toluene-d8	10.030	98	1152299	54.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.14%			
62) 4-Bromofluorobenzene	12.350	95	370220	51.31	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.62%			
Target Compounds					Qvalue	
3) Chloromethane	2.035	50	1936	0.21	ug/l #	83
13) Acrolein	3.550	56	1336	1.49	ug/l	91
16) Acetone	3.760	43	60401	22.45	ug/l	98
18) Methyl Acetate	4.264	43	9385	1.22	ug/l #	79
20) Methylene Chloride	4.473	84	63798	9.35	ug/l	91
25) 2-Butanone	6.761	43	11284	2.84	ug/l #	80
29) Tetrahydrofuran	7.128	42	605	0.23	ug/l #	52
31) Cyclohexane	7.584	56	12045	1.12	ug/l #	3
36) 1,1-Dichloropropene	7.595	75	43069	5.02	ug/l #	49
38) Carbon Tetrachloride	7.592	117	50512	5.64	ug/l #	17
43) Isopropyl Acetate	8.099	43	58452	4.12	ug/l #	90
45) 1,2-Dichloropropane	9.201	63	4035	0.54	ug/l #	44
48) Methyl methacrylate	9.121	41	13704	2.18	ug/l #	10
49) 1,4-Dioxane	9.199	88	248	2.49	ug/l #	1
51) 4-Methyl-2-Pentanone	9.928	43	15353	1.87	ug/l	97
54) cis-1,3-Dichloropropene	9.845	75	93009	8.23	ug/l #	61
56) Ethyl methacrylate	10.368	69	232	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	55499	4.98	ug/l #	43
59) 2-Hexanone	10.709	43	791116	145.30	ug/l #	50
70) Styrene	11.934	104	150	4.72	ug/l #	26
71) Bromoform	12.345	173	1169	0.26	ug/l #	1
74) N-amyl acetate	12.015	43	894	0.22	ug/l #	61
76) 1,2,3-Trichloropropane	12.350	75	193823	28.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	193823	85.25	ug/l #	13
89) n-Butylbenzene	13.616	91	137	5.25	ug/l #	34

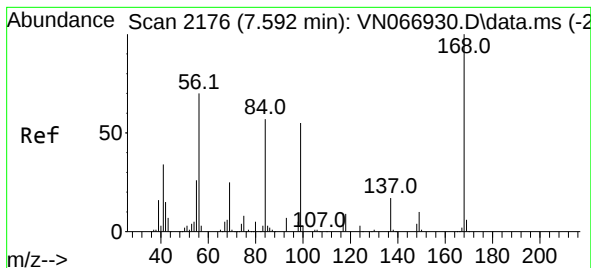
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.590 min Scan# 2175

Delta R.T. -0.002 min

Lab File: VN066996.D

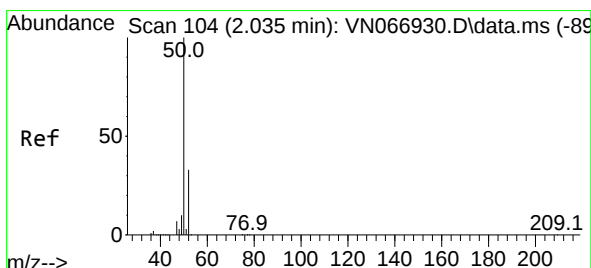
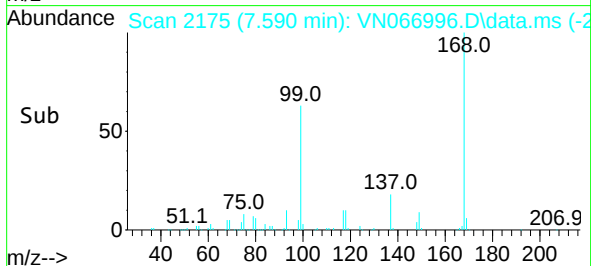
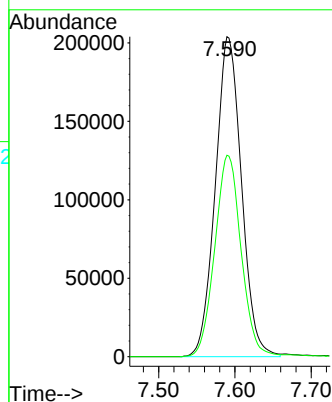
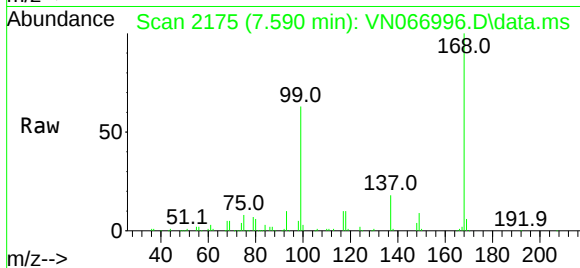
Acq: 5 May 2021 18:39

Tgt Ion:168 Resp: 485993

Ion Ratio Lower Upper

168 100

99 62.9 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: VN066996.D

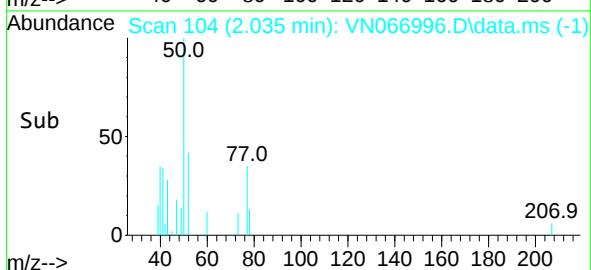
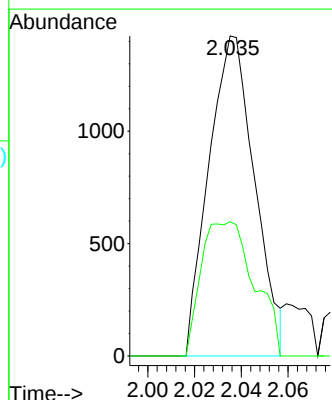
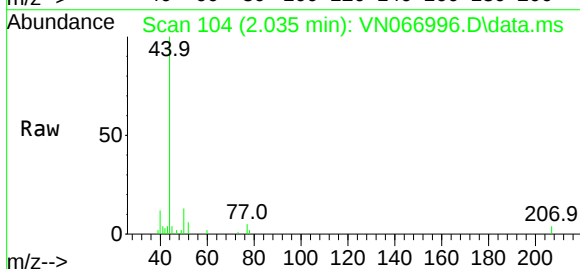
Acq: 5 May 2021 18:39

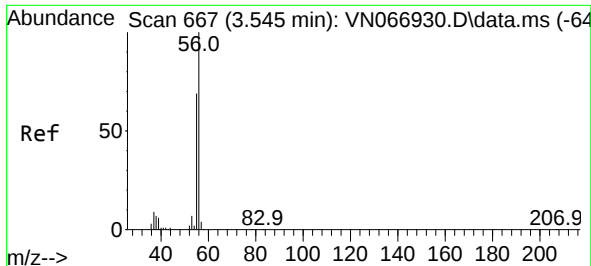
Tgt Ion: 50 Resp: 1936

Ion Ratio Lower Upper

50 100

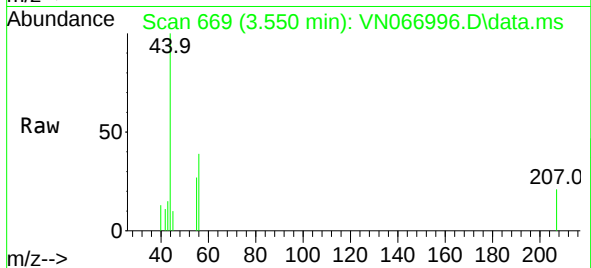
52 41.9 25.8 38.8#



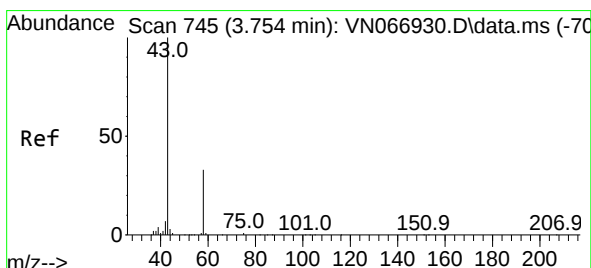
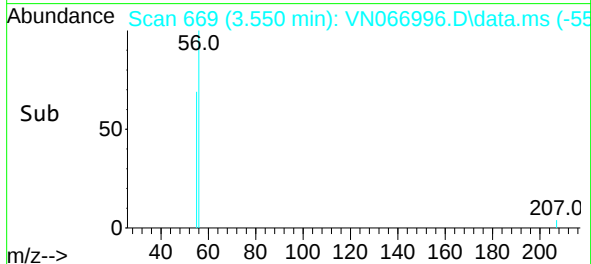
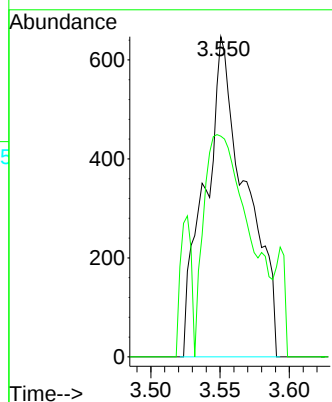


#13
Acrolein
Concen: 1.49 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Instrument :
MSVOA_N
ClientSampled :

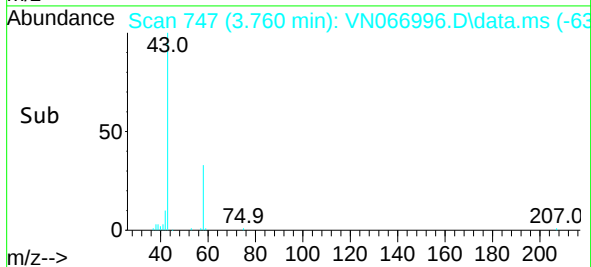
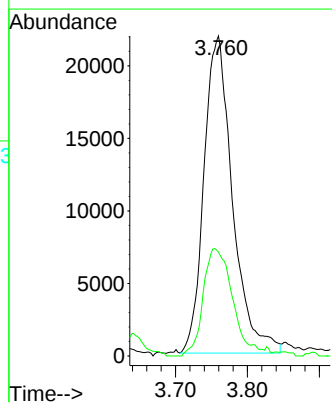
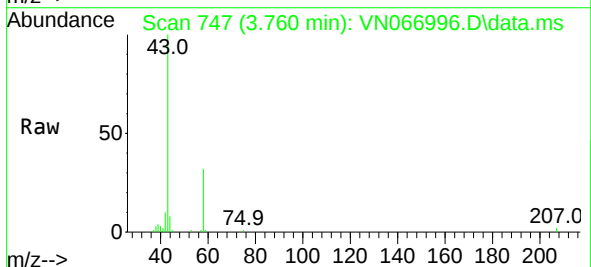


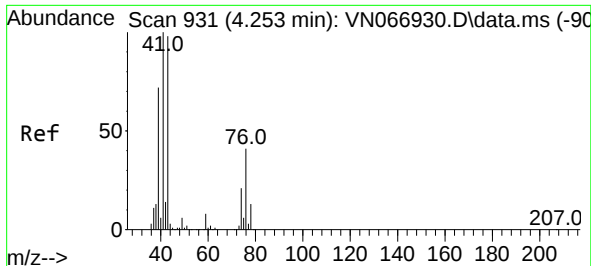
Tgt Ion: 56 Resp: 1336
Ion Ratio Lower Upper
56 100
55 77.4 56.0 84.0



#16
Acetone
Concen: 22.45 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

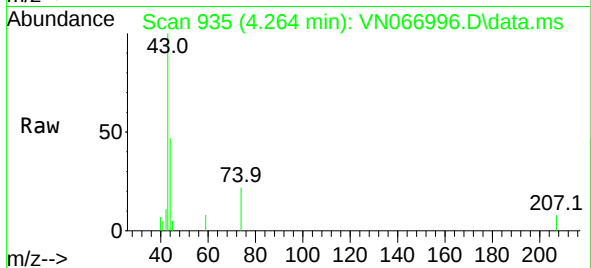
Tgt Ion: 43 Resp: 60401
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.6



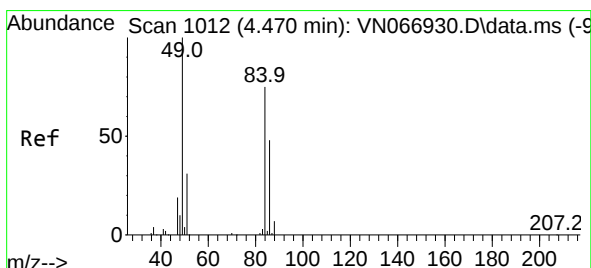
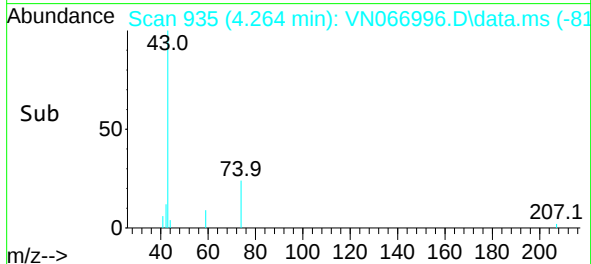
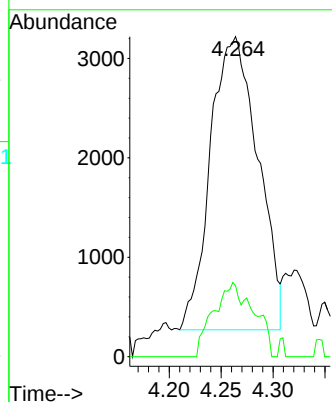


#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 4.264 min Scan# 935
Delta R.T. 0.011 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Instrument :
MSVOA_N
ClientSampled :

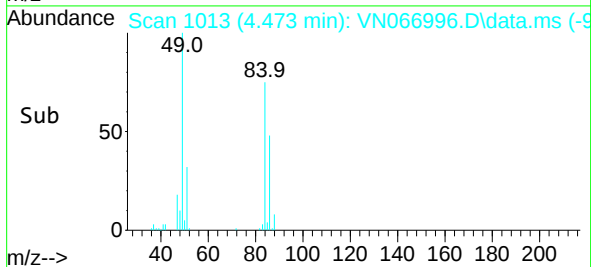
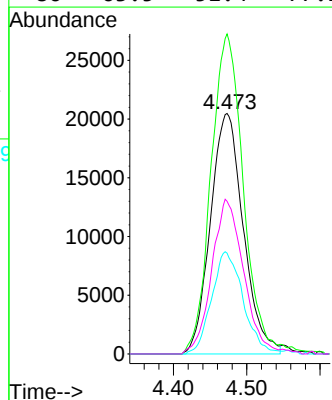
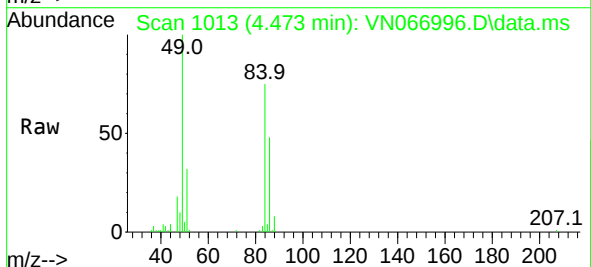


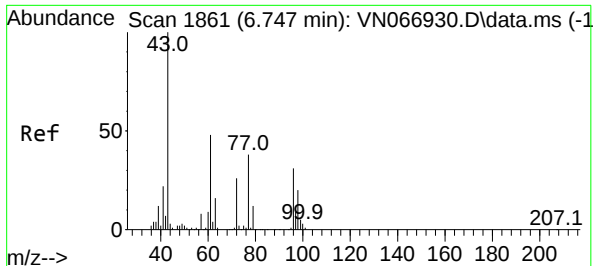
Tgt Ion: 43 Resp: 9385
Ion Ratio Lower Upper
43 100
74 13.9 19.5 29.3#



#20
Methylene Chloride
Concen: 9.35 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

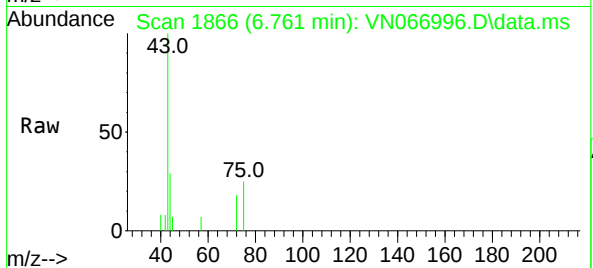
Tgt Ion: 84 Resp: 63798
Ion Ratio Lower Upper
84 100
49 133.1 94.6 141.8
51 42.0 29.9 44.9
86 63.5 51.4 77.2



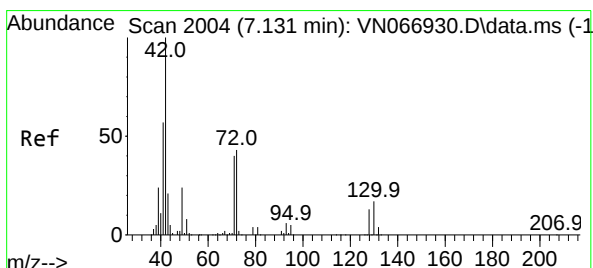
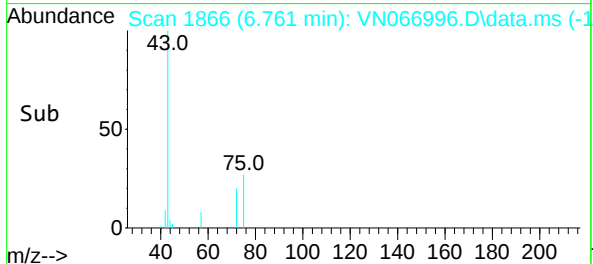
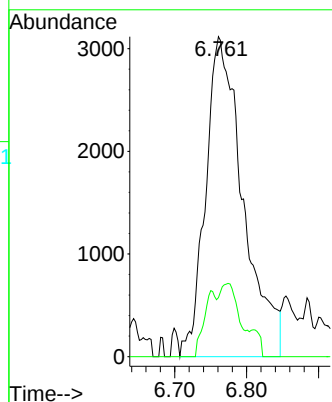


#25
2-Butanone
Concen: 2.84 ug/l
RT: 6.761 min Scan# 1866
Delta R.T. 0.014 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Instrument :
MSVOA_N
ClientSampled :

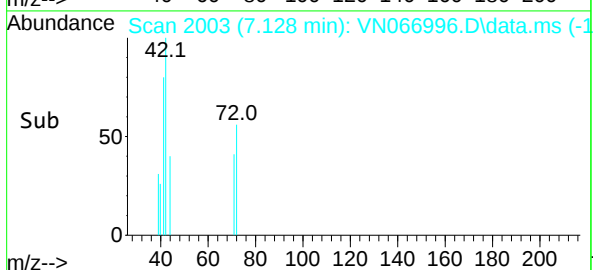
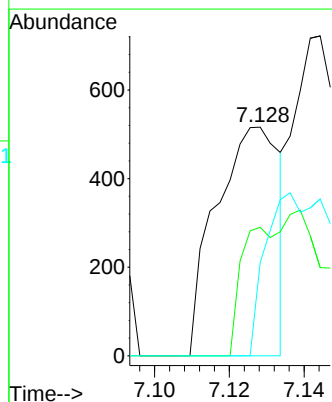
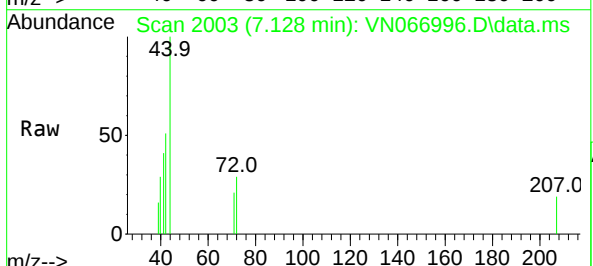


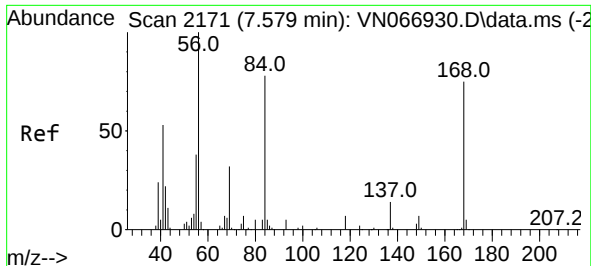
Tgt Ion: 43 Resp: 11284
Ion Ratio Lower Upper
43 100
72 18.4 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.128 min Scan# 2003
Delta R.T. -0.003 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

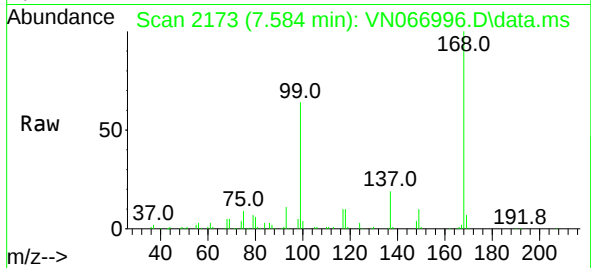
Tgt Ion: 42 Resp: 605
Ion Ratio Lower Upper
42 100
72 27.9 36.6 55.0#
71 88.3 34.3 51.5#



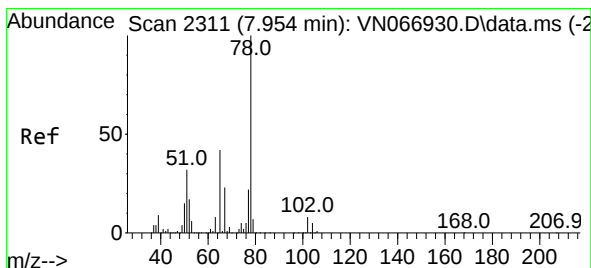
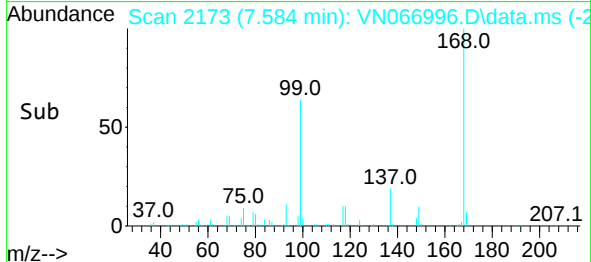
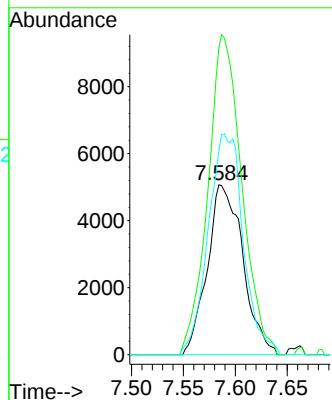


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. 0.005 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Instrument :
MSVOA_N
ClientSampled :

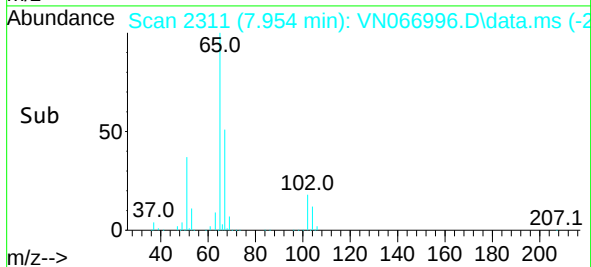
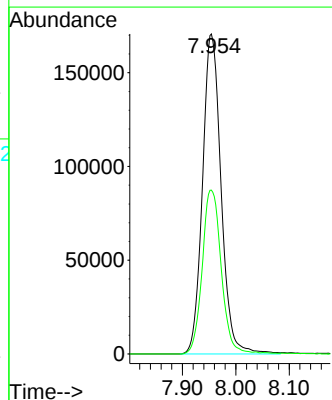
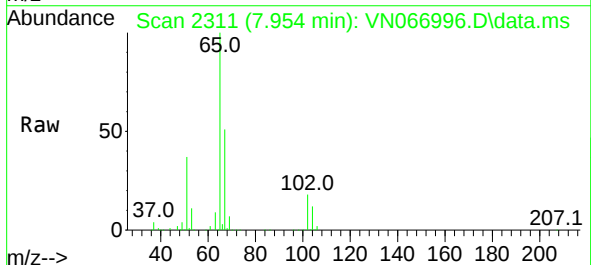


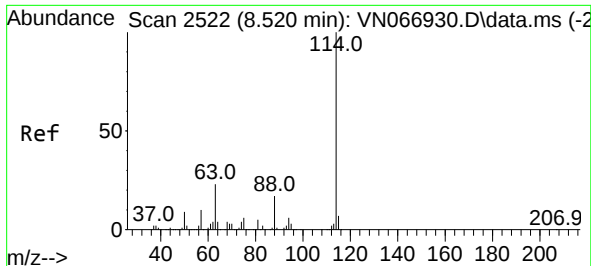
Tgt Ion: 56 Resp: 12045
Ion Ratio Lower Upper
56 100
69 180.6 26.6 39.8#
84 120.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 53.99 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 65 Resp: 412974
Ion Ratio Lower Upper
65 100
67 52.1 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: VN066996.D

Acq: 5 May 2021 18:39

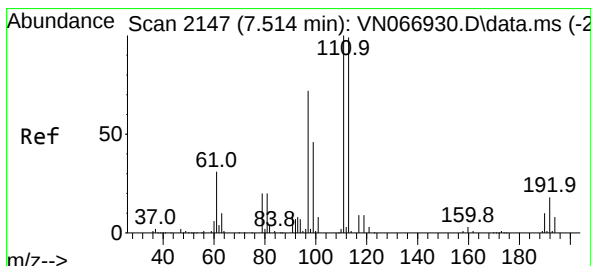
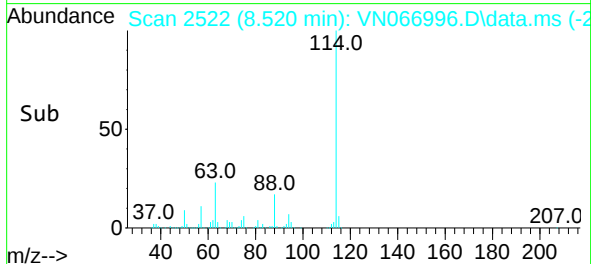
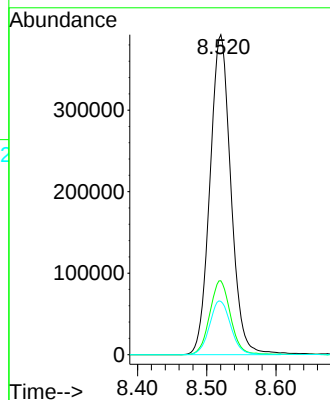
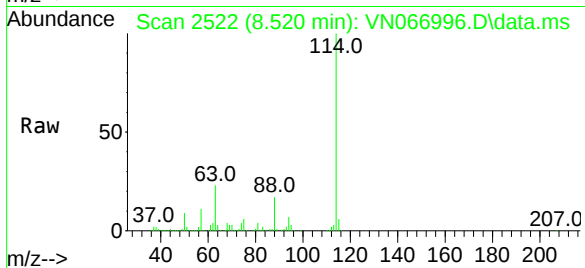
Tgt Ion:114 Resp: 824047

Ion Ratio Lower Upper

114 100

63 23.1 0.0 38.6

88 16.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.71 ug/l

RT: 7.512 min Scan# 2146

Delta R.T. -0.002 min

Lab File: VN066996.D

Acq: 5 May 2021 18:39

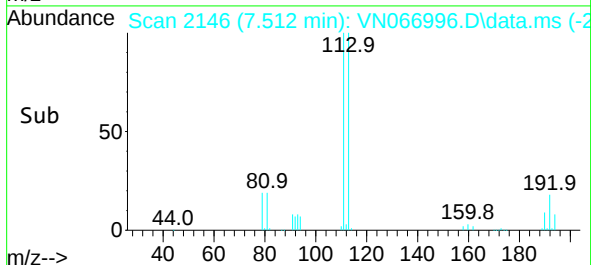
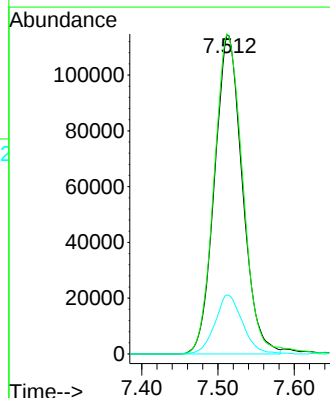
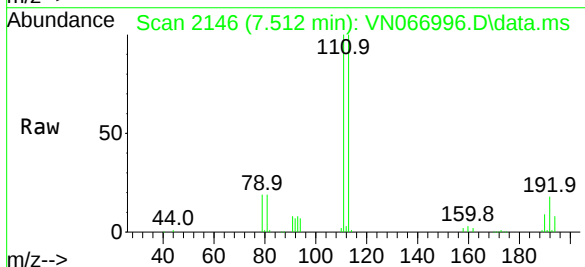
Tgt Ion:113 Resp: 289339

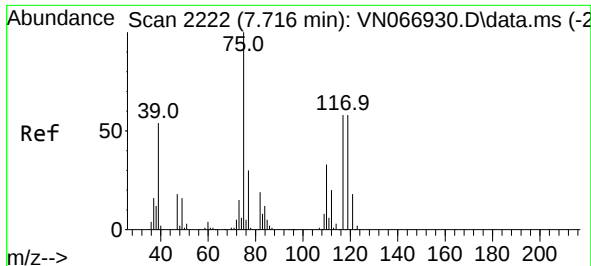
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

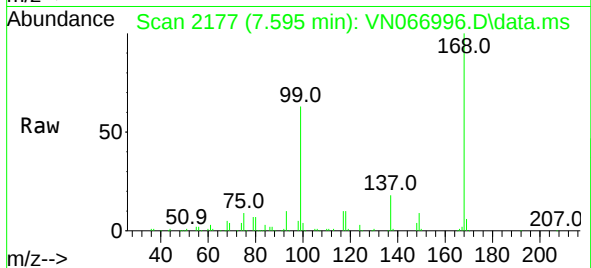
192 18.4 15.4 23.0



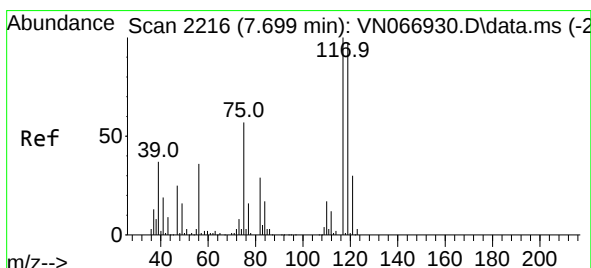
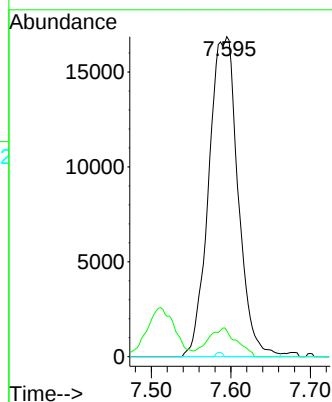
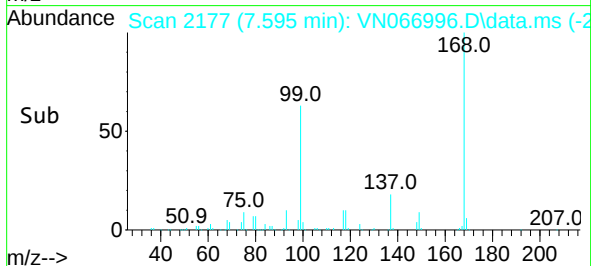


#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. -0.121 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

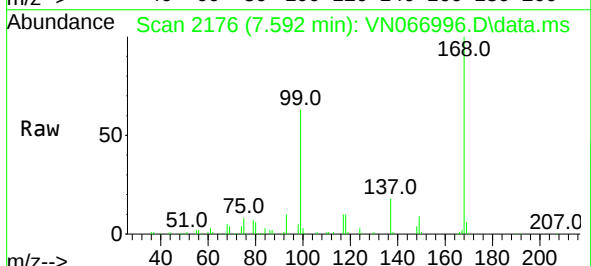
Instrument :
MSVOA_N
ClientSampled :



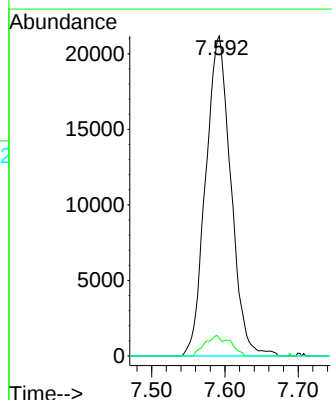
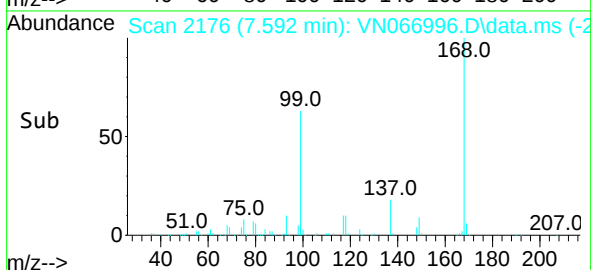
Tgt Ion: 75 Resp: 43069
Ion Ratio Lower Upper
75 100
110 8.8 18.2 54.6#
77 0.3 24.9 37.3#

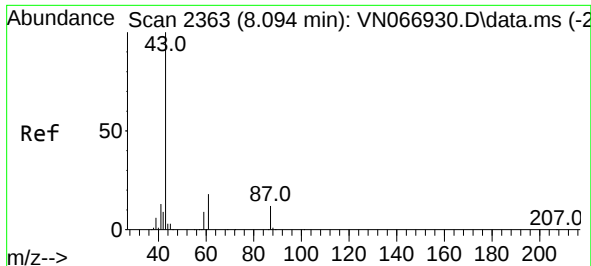


#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39



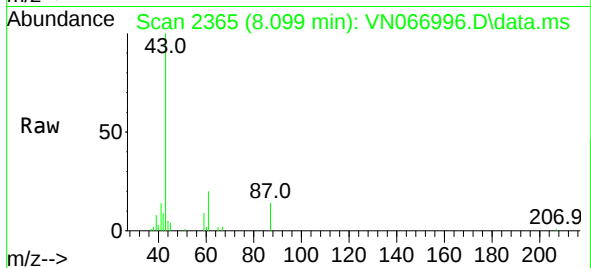
Tgt Ion: 117 Resp: 50512
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#



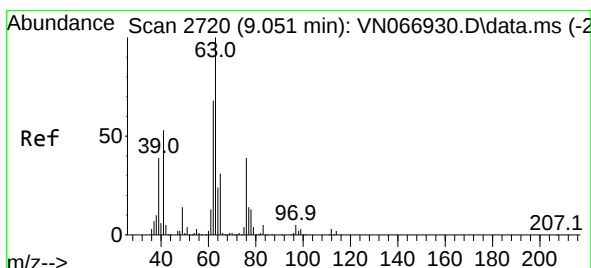
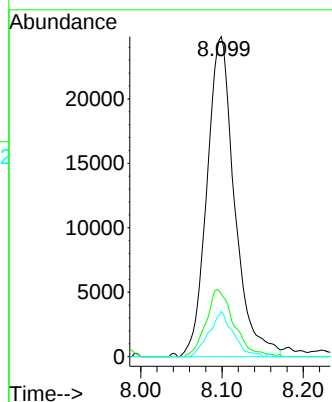
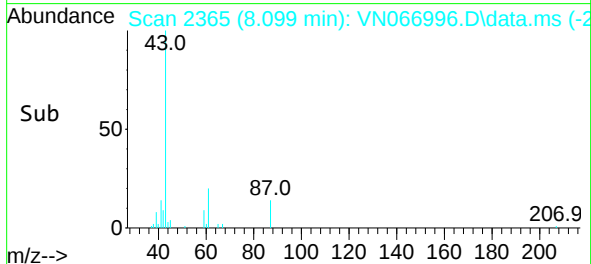


#43
Isopropyl Acetate
Concen: 4.12 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

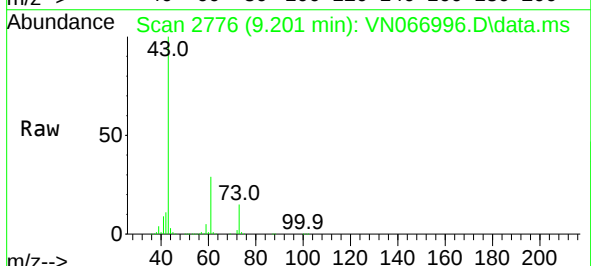
Instrument :
MSVOA_N
ClientSampled :



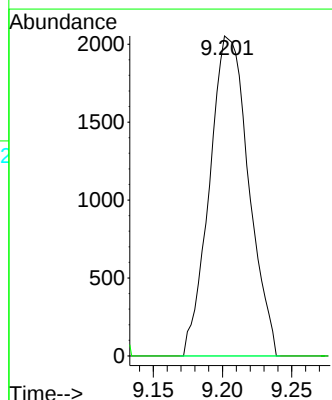
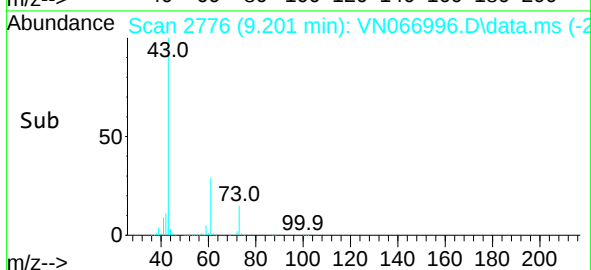
Tgt Ion: 43 Resp: 58452
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 12.3 11.1 16.7

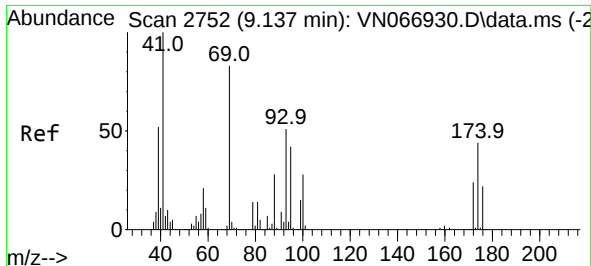


#45
1,2-Dichloropropane
Concen: 0.54 ug/l
RT: 9.201 min Scan# 2776
Delta R.T. 0.150 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39



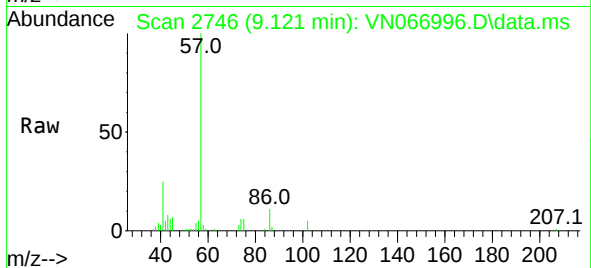
Tgt Ion: 63 Resp: 4035
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



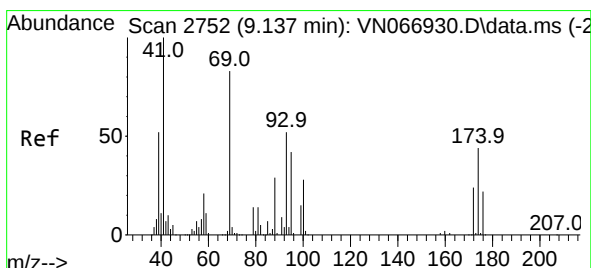
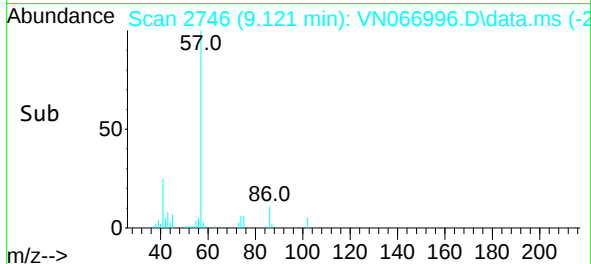
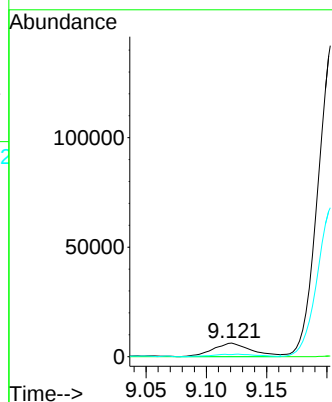


#48
Methyl methacrylate
Concen: 2.18 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Instrument :
MSVOA_N
ClientSampled :

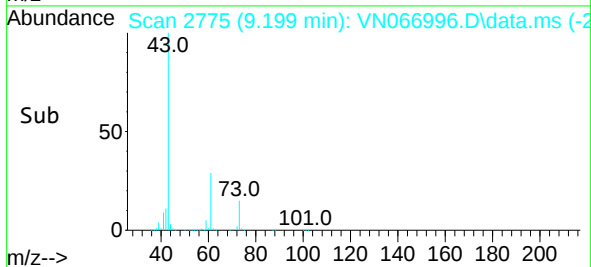
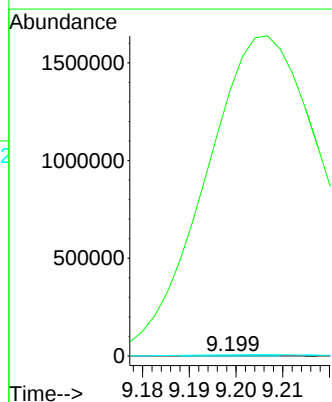
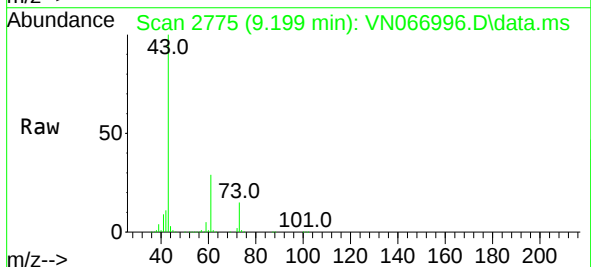


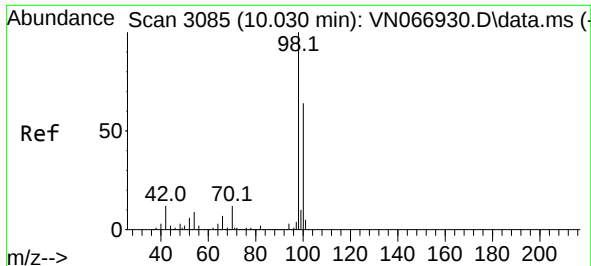
Tgt Ion: 41 Resp: 13704
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 2.49 ug/l
RT: 9.199 min Scan# 2775
Delta R.T. 0.062 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 88 Resp: 248
Ion Ratio Lower Upper
88 100
43 1259727.8 24.7 37.1#
58 5738.3 52.6 78.8#

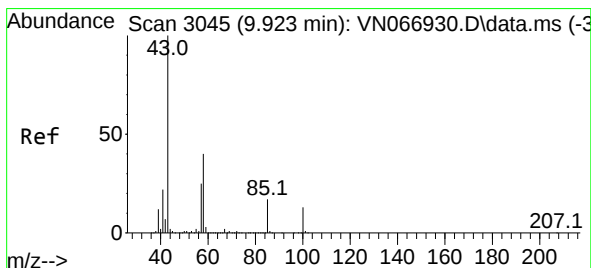
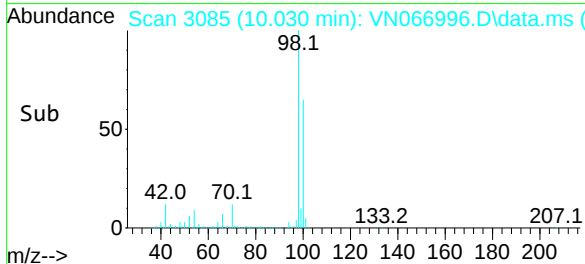
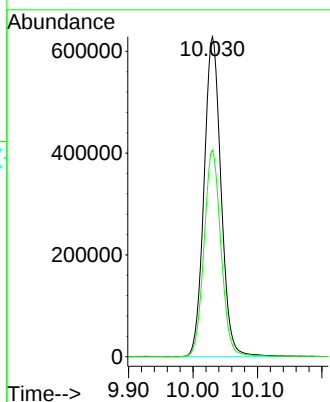
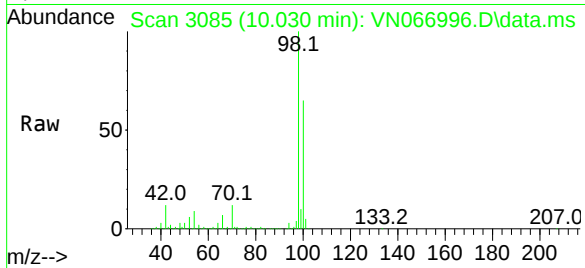




#50
Toluene-d8
Concen: 54.07 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

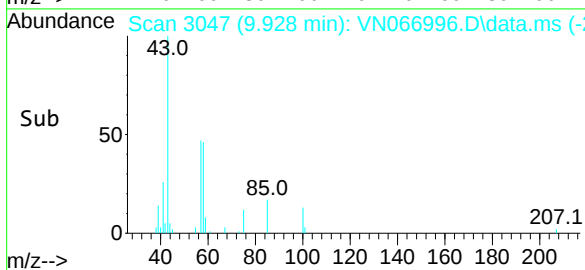
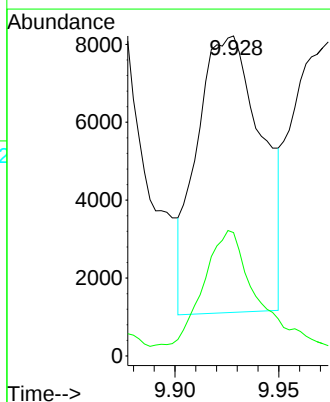
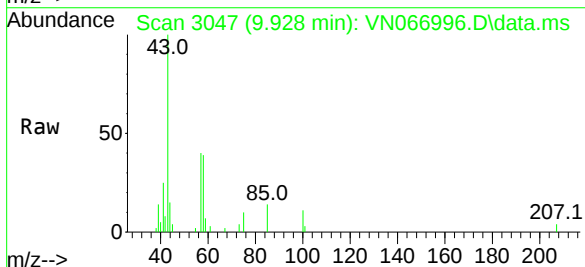
Instrument :
MSVOA_N
ClientSampled :

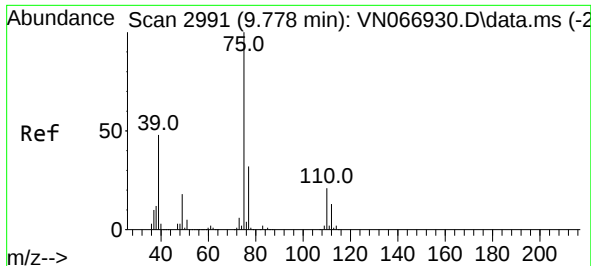
Tgt Ion: 98 Resp: 1152299
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.87 ug/l
RT: 9.928 min Scan# 3047
Delta R.T. 0.005 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 43 Resp: 15353
Ion Ratio Lower Upper
43 100
58 42.4 32.5 48.7

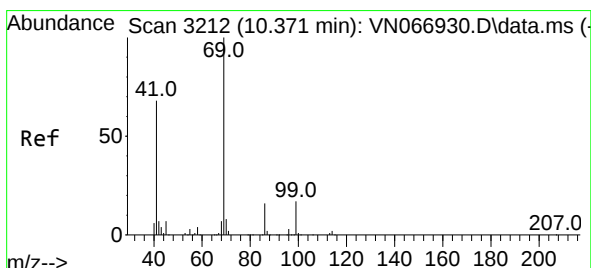
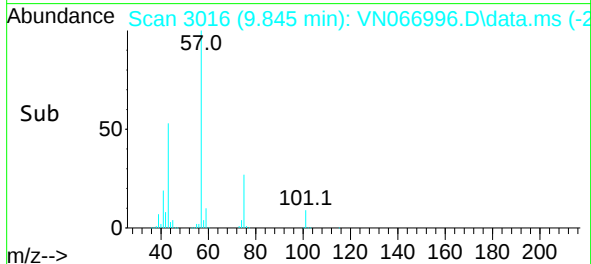
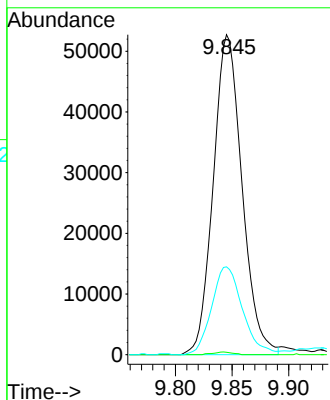
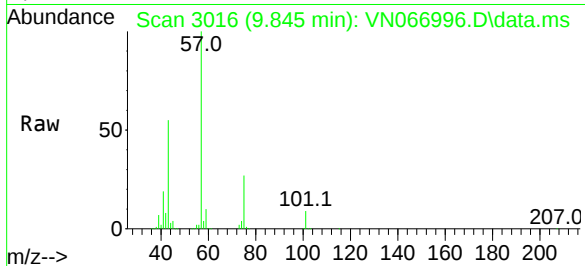




#54
cis-1,3-Dichloropropene
Concen: 8.23 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

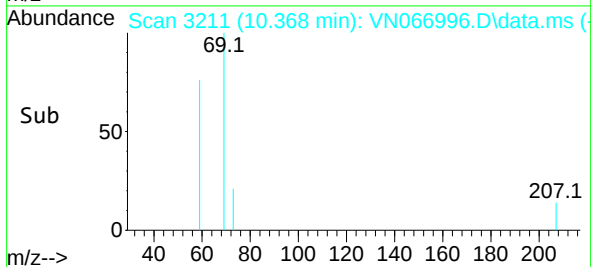
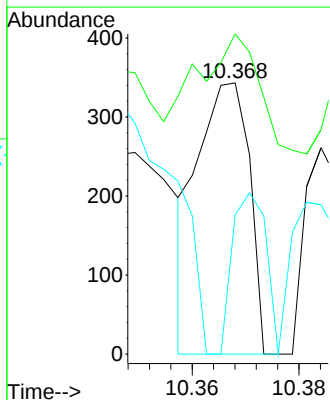
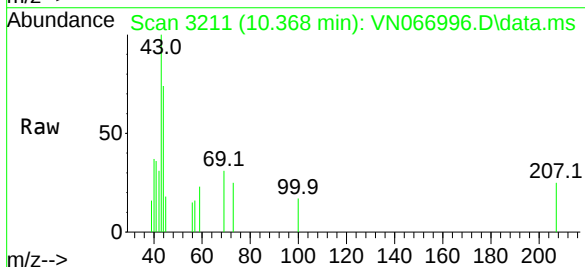
Instrument :
MSVOA_N
ClientSampleId :

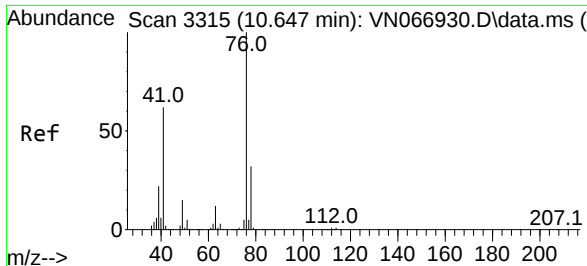
Tgt Ion: 75 Resp: 93009
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 27.5 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.368 min Scan# 3211
Delta R.T. -0.003 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 69 Resp: 232
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

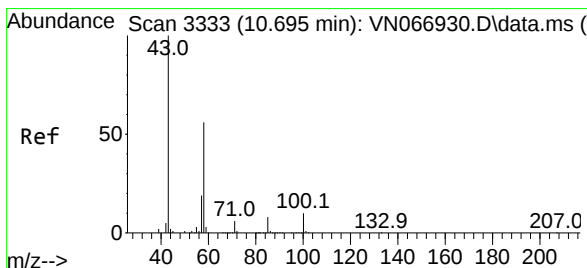
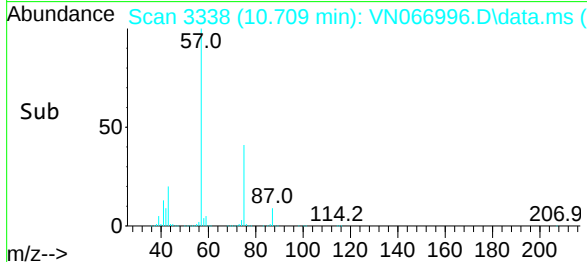
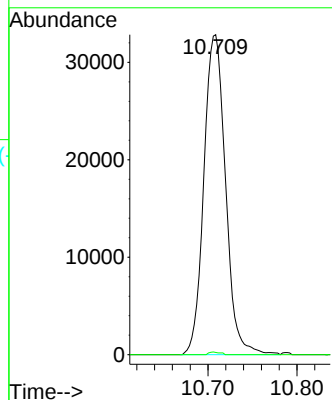
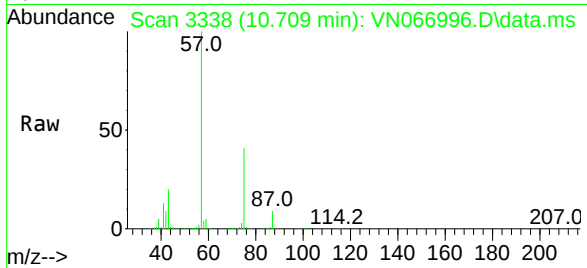




#57
1,3-Dichloropropane
Concen: 4.98 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

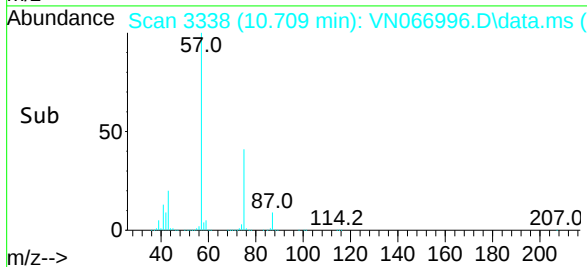
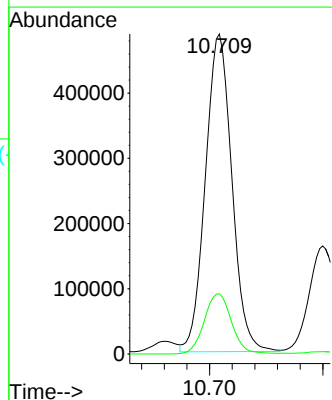
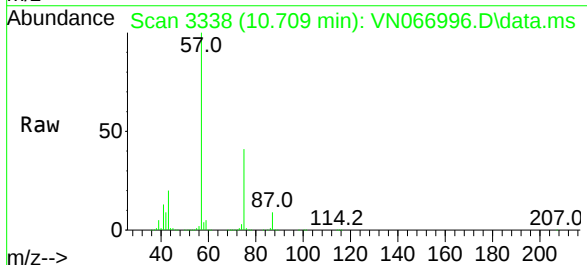
Instrument :
MSVOA_N
ClientSampled :

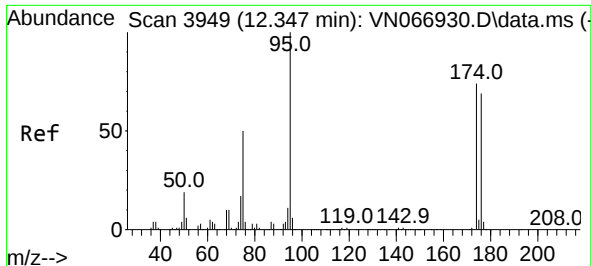
Tgt Ion: 76 Resp: 55499
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 145.30 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 43 Resp: 791116
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#

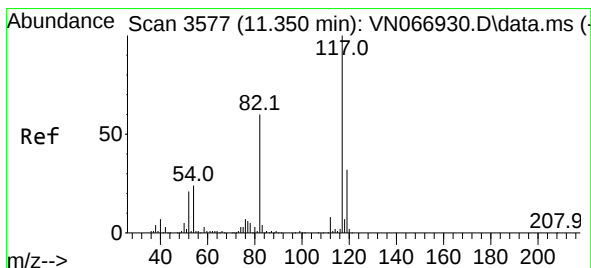
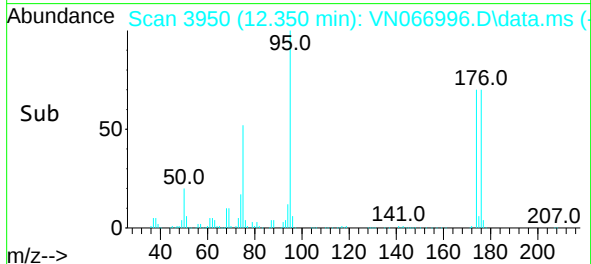
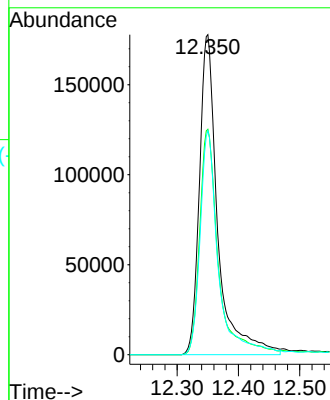
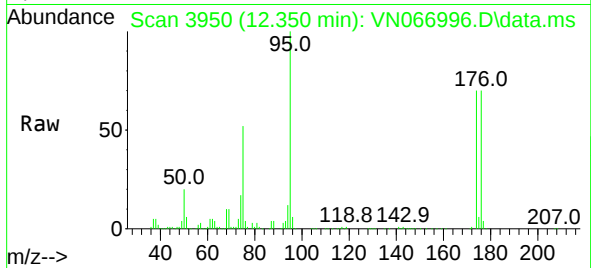




#62
4-Bromofluorobenzene
Concen: 51.31 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

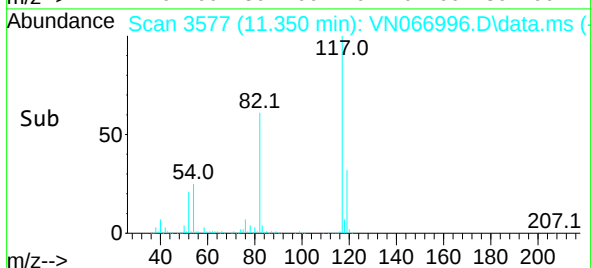
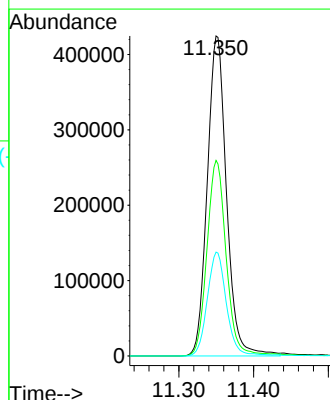
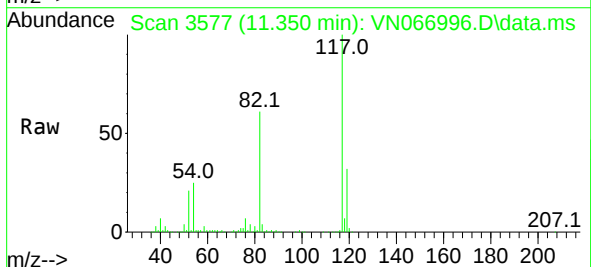
Instrument :
MSVOA_N
ClientSampled :

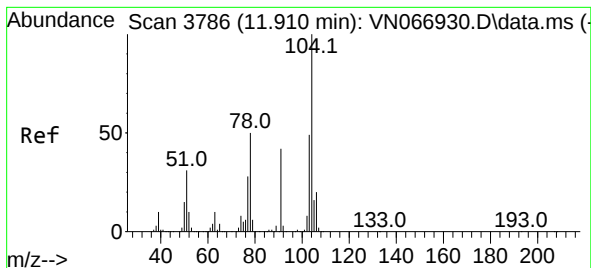
Tgt Ion: 95 Resp: 370220
Ion Ratio Lower Upper
95 100
174 71.7 0.0 169.0
176 69.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 117 Resp: 760770
Ion Ratio Lower Upper
117 100
82 61.1 43.7 65.5
119 32.5 26.1 39.1





#70

Styrene

Concen: 4.72 ug/l

RT: 11.934 min Scan# 3795

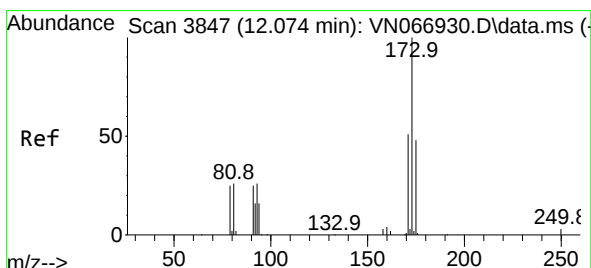
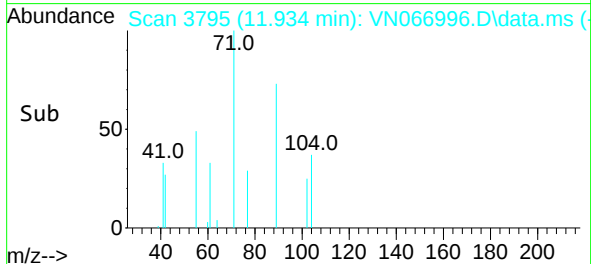
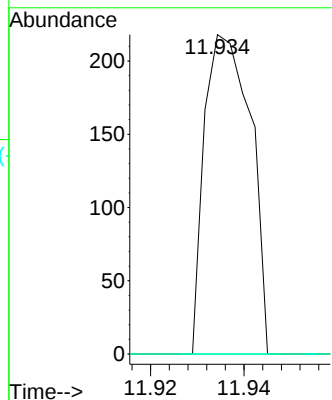
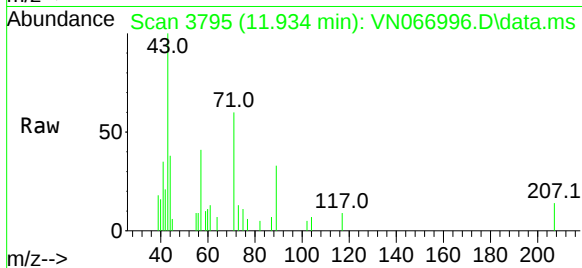
Delta R.T. 0.024 min

Lab File: VN066996.D

Acq: 5 May 2021 18:39

Tgt Ion:104	Resp:	150
Ion	Ratio	Lower Upper
104	100	
78	0.0	39.0 58.4#
103	0.0	44.5 66.7#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 0.26 ug/l

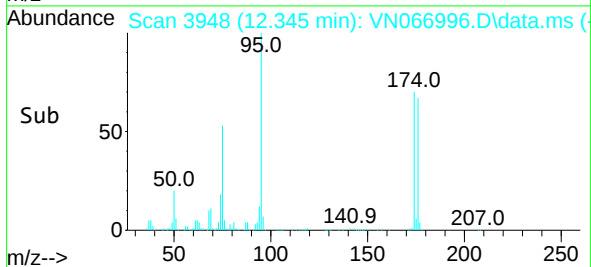
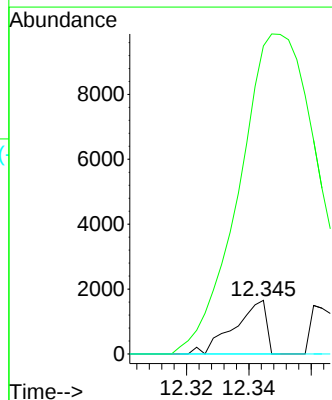
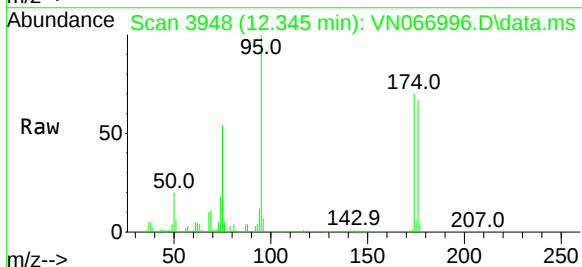
RT: 12.345 min Scan# 3948

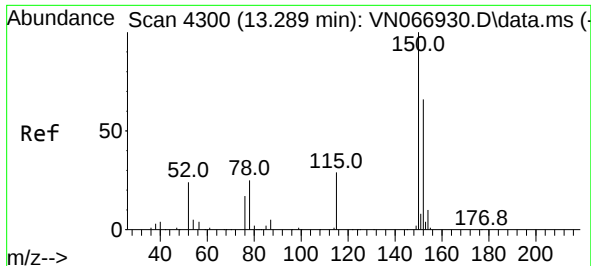
Delta R.T. 0.271 min

Lab File: VN066996.D

Acq: 5 May 2021 18:39

Tgt Ion:173	Resp:	1169
Ion	Ratio	Lower Upper
173	100	
175	1355.0	23.8 71.2#
254	0.0	0.0 0.0

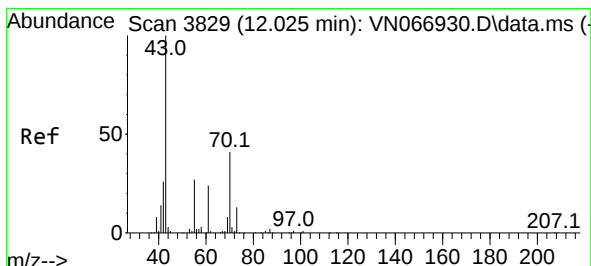
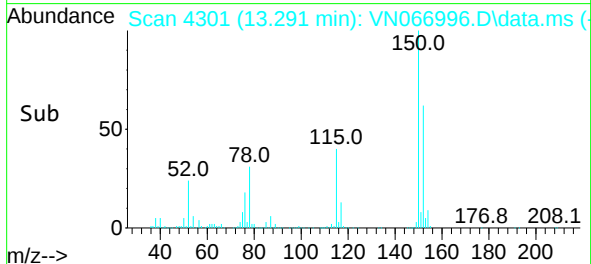
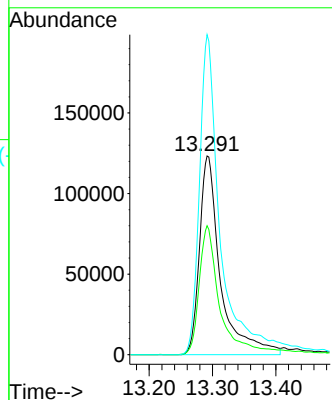
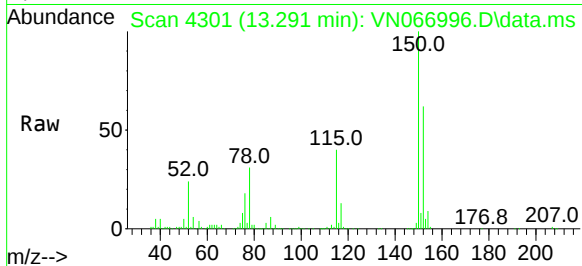




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

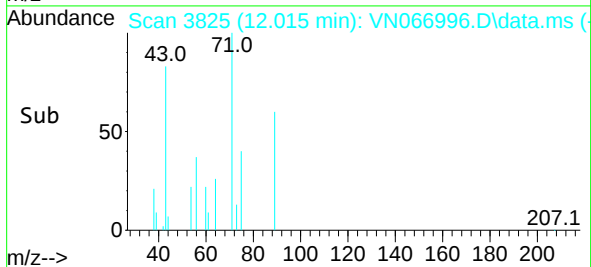
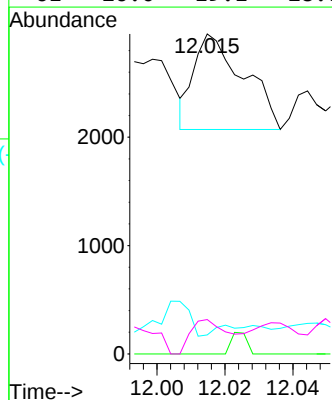
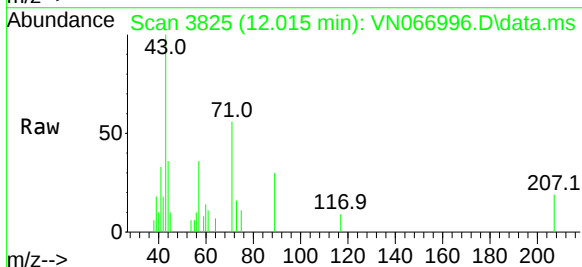
Instrument :
MSVOA_N
ClientSampleId :

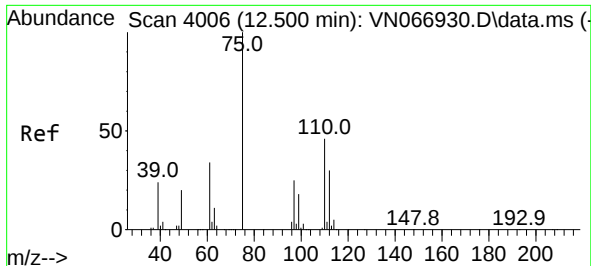
Tgt Ion:152 Resp: 284550
Ion Ratio Lower Upper
152 100
115 65.0 28.5 85.6
150 155.4 0.0 347.6



#74
N-ethyl acetate
Concen: 0.22 ug/l
RT: 12.015 min Scan# 3825
Delta R.T. -0.010 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
70 7.0 34.4 51.6#
55 4.0 20.7 31.1#
61 26.0 19.1 28.7

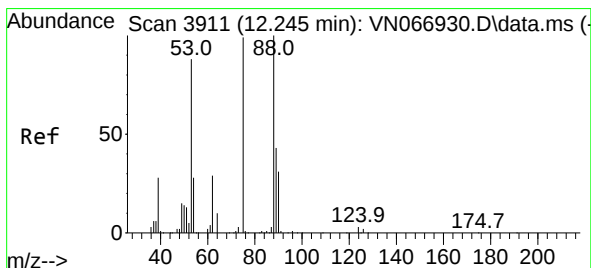
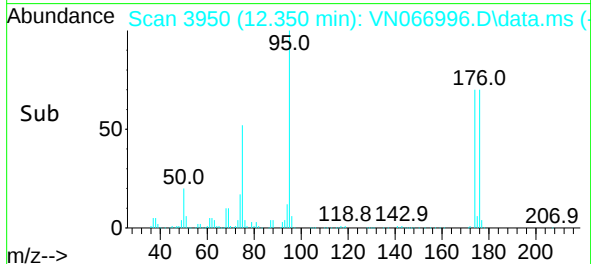
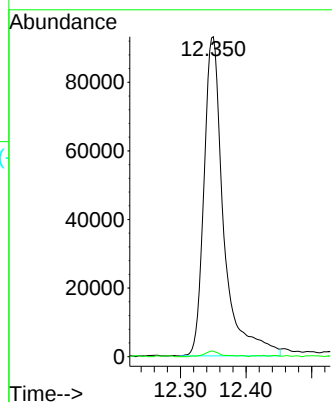
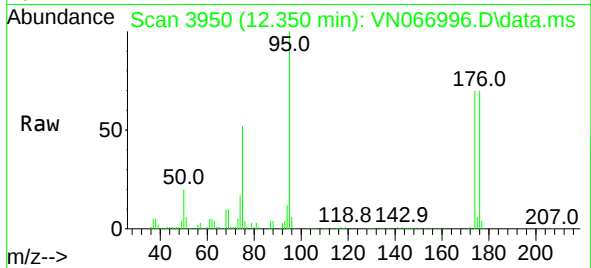




#76
1,2,3-Trichloropropane
Concen: 28.59 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

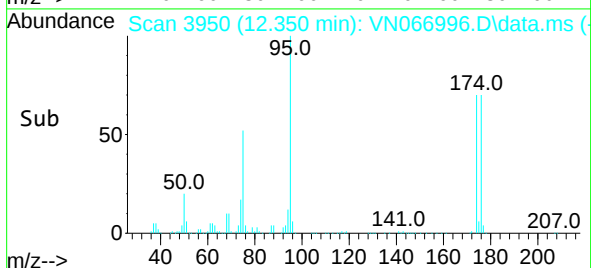
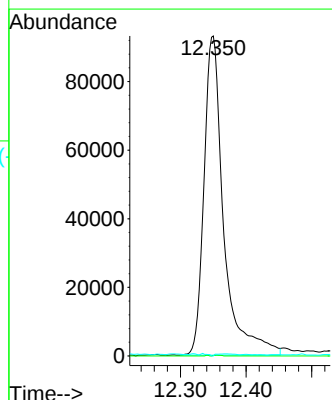
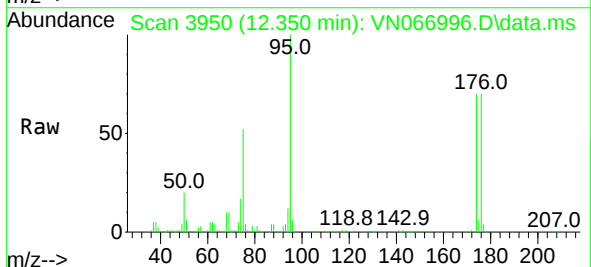
Instrument :
MSVOA_N
ClientSampled :

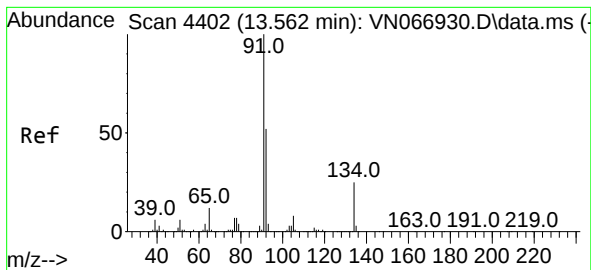
Tgt Ion: 75 Resp: 193823
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.25 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066996.D
Acq: 5 May 2021 18:39

Tgt Ion: 75 Resp: 193823
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.7 35.8 53.8#





#89

n-Butylbenzene

Concen: 5.25 ug/l

RT: 13.616 min Scan# 4422

Delta R.T. 0.054 min

Lab File: VN066996.D

Acq: 5 May 2021 18:39

Tgt Ion: 91 Resp: 137

Ion Ratio Lower Upper

91 100

92 0.0 26.1 78.3#

134 0.0 13.0 38.9#

