

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066979.D
 Acq On : 5 May 2021 10:48
 Operator : JC/MD
 Sample : VN0505MBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:46:15 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)

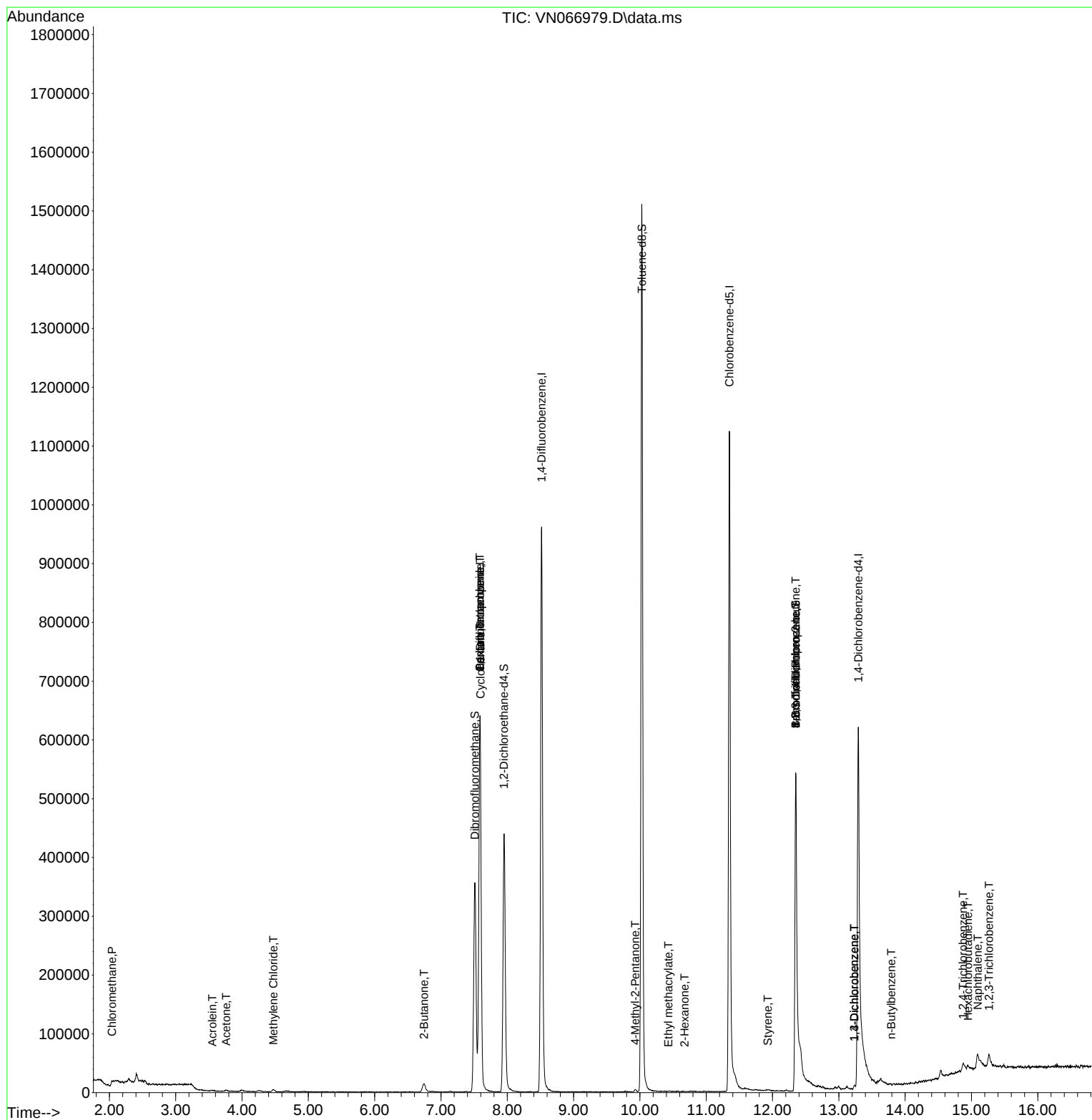
Internal Standards						
1) Pentafluorobenzene	7.590	168	485734	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.517	114	827955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	678465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	264801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	396073	51.80	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	=	103.60%	
35) Dibromofluoromethane	7.509	113	279956	49.79	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	=	99.58%	
50) Toluene-d8	10.030	98	1052423	49.15	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.350	95	297490	41.03	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	=	82.06%	
Target Compounds						
						Qvalue
3) Chloromethane	2.038	50	2168	0.23	ug/l	100
13) Acrolein	3.553	56	1121	1.25	ug/l	# 48
16) Acetone	3.762	43	2110	0.78	ug/l	# 69
20) Methylene Chloride	4.473	84	1594	0.23	ug/l	# 91
25) 2-Butanone	6.747	43	1048	0.26	ug/l	# 46
31) Cyclohexane	7.595	56	11240	1.04	ug/l	# 1
36) 1,1-Dichloropropene	7.590	75	44071	5.11	ug/l	# 44
38) Carbon Tetrachloride	7.587	117	51442	5.72	ug/l	# 17
51) 4-Methyl-2-Pentanone	9.928	43	3721	0.45	ug/l	# 70
56) Ethyl methacrylate	10.430	69	55	5.20	ug/l	# 68
59) 2-Hexanone	10.674	43	207	28.40	ug/l	# 23
70) Styrene	11.929	104	250	4.73	ug/l	# 11
71) Bromoform	12.350	173	835	0.21	ug/l	# 1
76) 1,2,3-Trichloropropane	12.350	75	156458	24.80	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.350	75	156458	74.68	ug/l	# 12
87) 1,3-Dichlorobenzene	13.235	146	1713	0.20	ug/l	85
88) 1,4-Dichlorobenzene	13.235	146	1713	0.20	ug/l	86
89) n-Butylbenzene	13.790	91	326	5.26	ug/l	97
93) 1,2,4-Trichlorobenzene	14.874	180	5515	1.24	ug/l	95
94) Hexachlorobutadiene	14.949	225	1249	0.46	ug/l	# 68
95) Naphthalene	15.094	128	29695	2.55	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.265	180	10003	2.32	ug/l	# 80

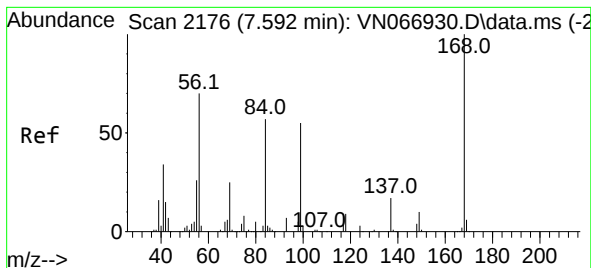
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 06 04:46:15 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.590 min Scan# 2175

Delta R.T. -0.002 min

Lab File: VN066979.D

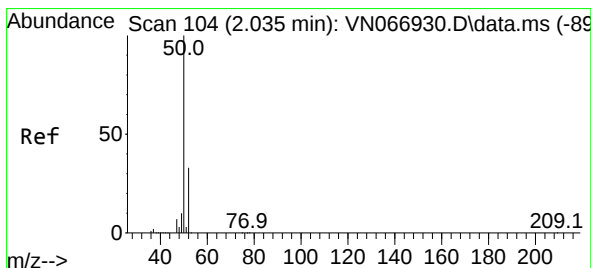
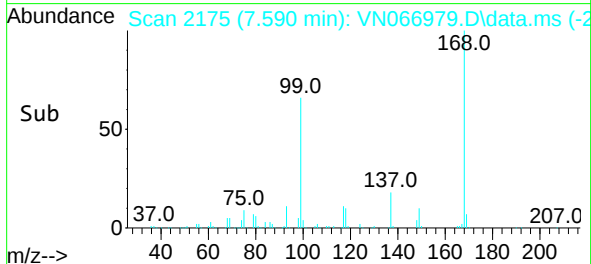
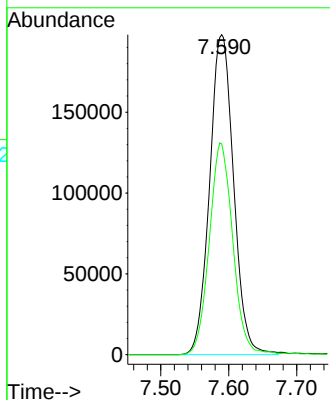
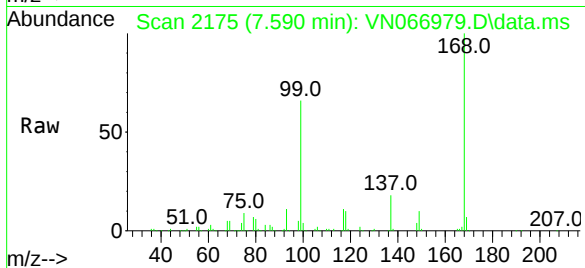
Acq: 5 May 2021 10:48

Tgt Ion:168 Resp: 485734

Ion Ratio Lower Upper

168 100

99 65.8 42.6 63.8#



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.038 min Scan# 105

Delta R.T. 0.003 min

Lab File: VN066979.D

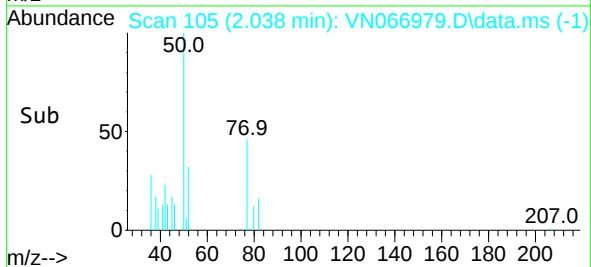
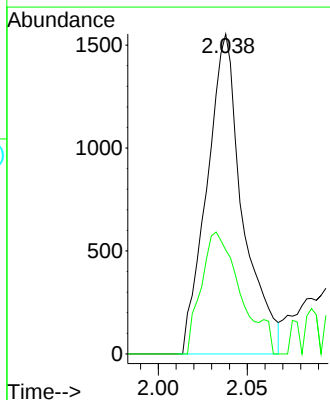
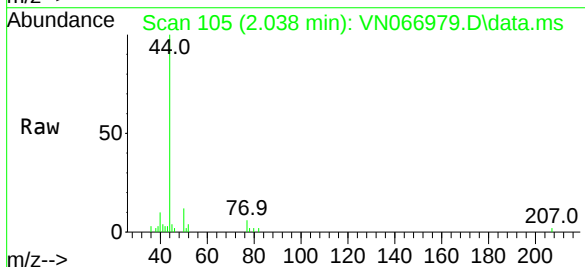
Acq: 5 May 2021 10:48

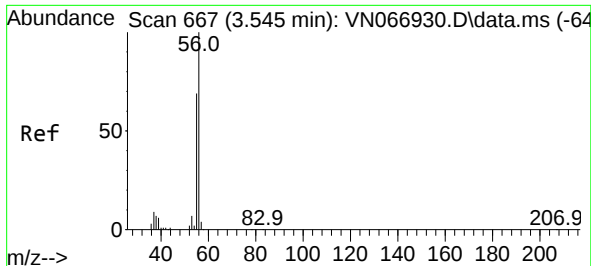
Tgt Ion: 50 Resp: 2168

Ion Ratio Lower Upper

50 100

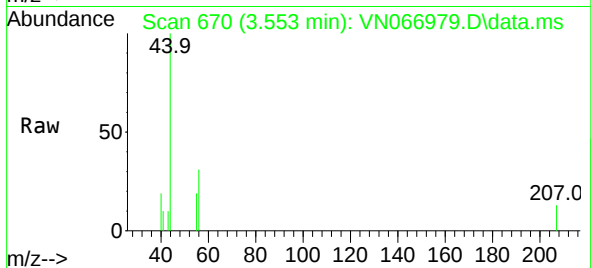
52 32.5 25.8 38.8



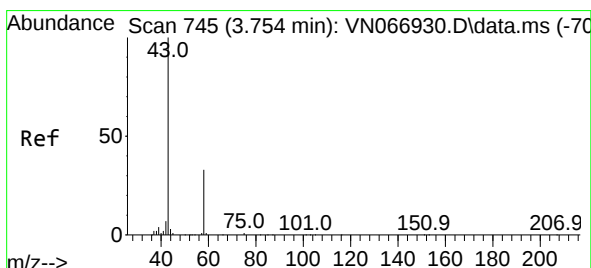
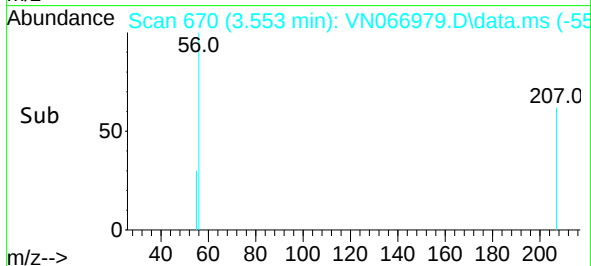
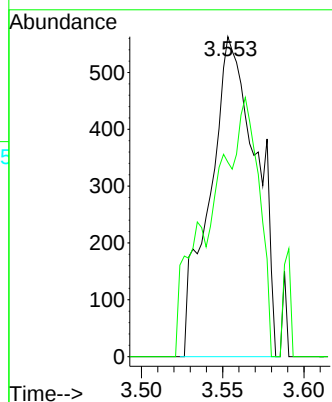


#13
Acrolein
Concen: 1.25 ug/l
RT: 3.553 min Scan# 670
Delta R.T. 0.008 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Instrument :
MSVOA_N
ClientSampled :

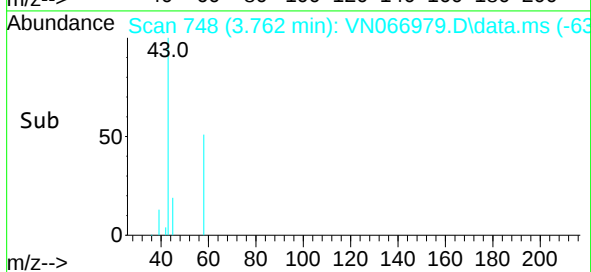
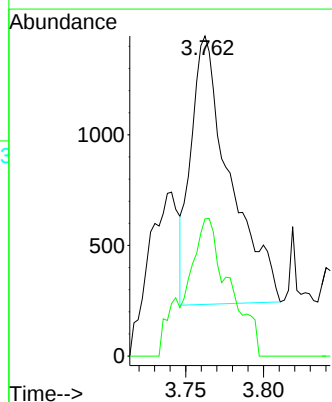
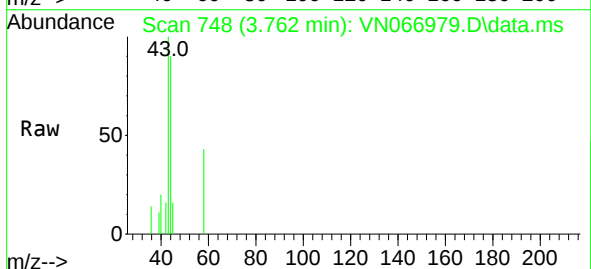


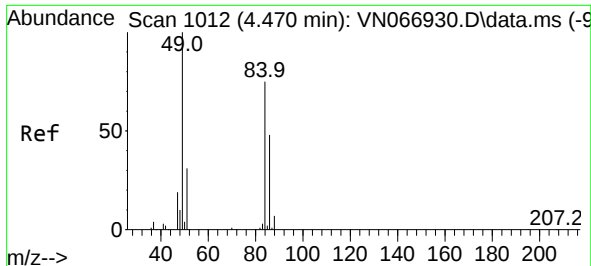
Tgt Ion: 56 Resp: 1121
Ion Ratio Lower Upper
56 100
55 26.9 56.0 84.0#



#16
Acetone
Concen: 0.78 ug/l
RT: 3.762 min Scan# 748
Delta R.T. 0.008 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion: 43 Resp: 2110
Ion Ratio Lower Upper
43 100
58 51.6 27.0 40.6#





#20

Methylene Chloride

Concen: 0.23 ug/l

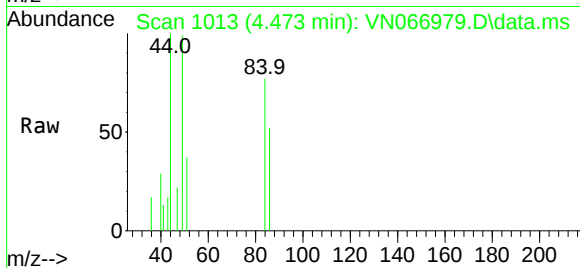
RT: 4.473 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VN066979.D

Acq: 5 May 2021 10:48

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 1594

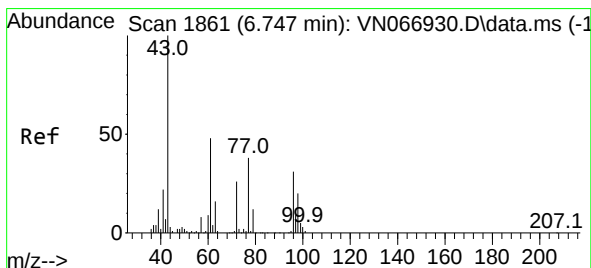
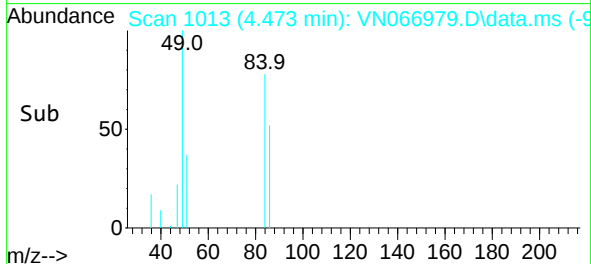
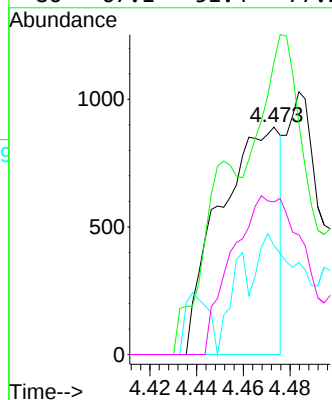
Ion Ratio Lower Upper

84 100

49 108.3 94.6 141.8

51 47.9 29.9 44.9#

86 67.1 51.4 77.2



#25

2-Butanone

Concen: 0.26 ug/l

RT: 6.747 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VN066979.D

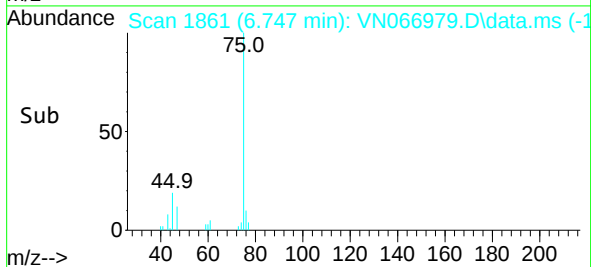
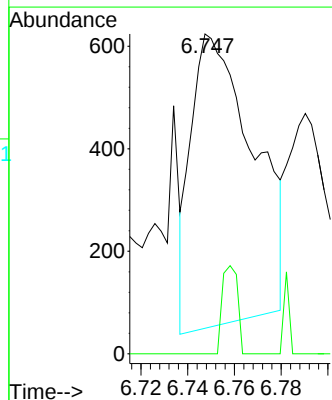
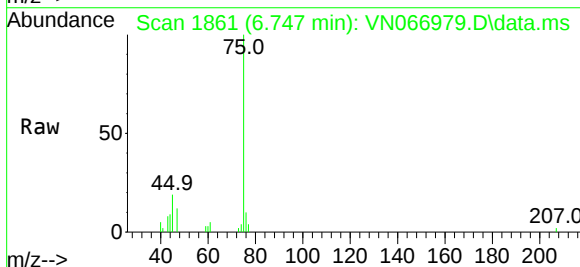
Acq: 5 May 2021 10:48

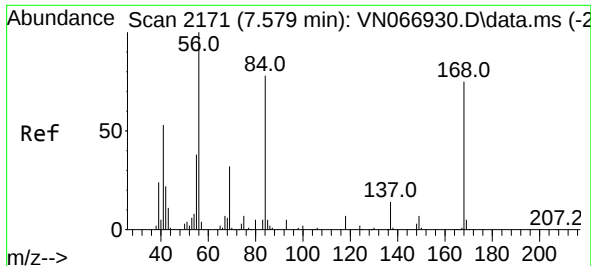
Tgt Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

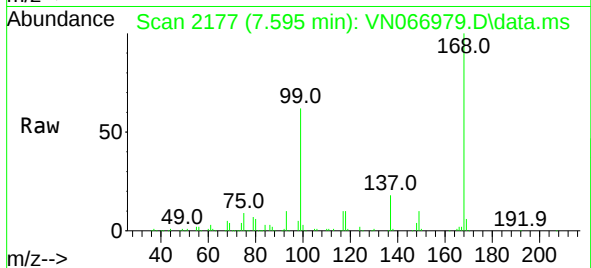
72 0.0 23.1 34.7#



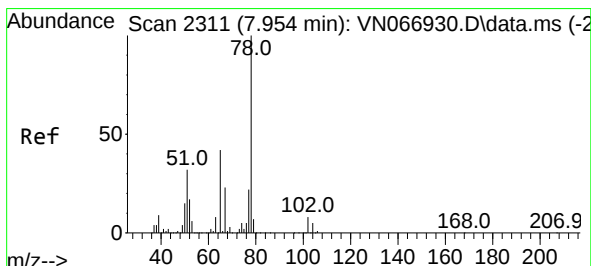
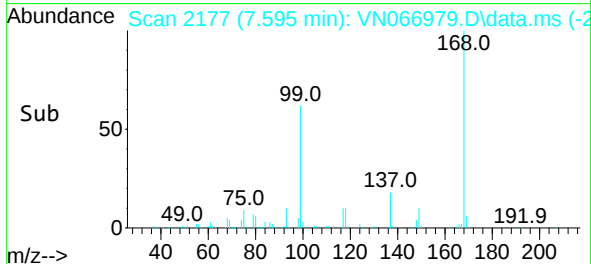
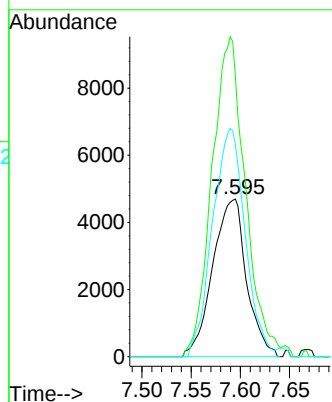


#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.016 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Instrument :
MSVOA_N
ClientSampled :

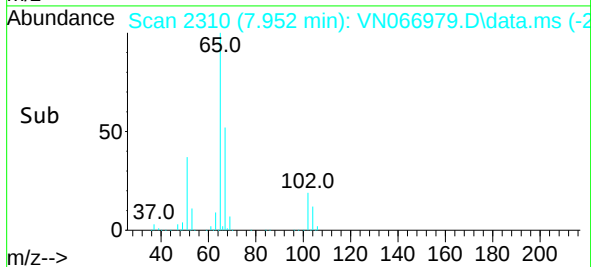
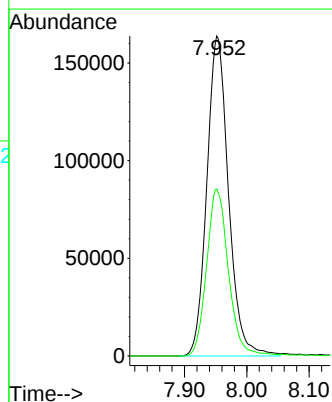
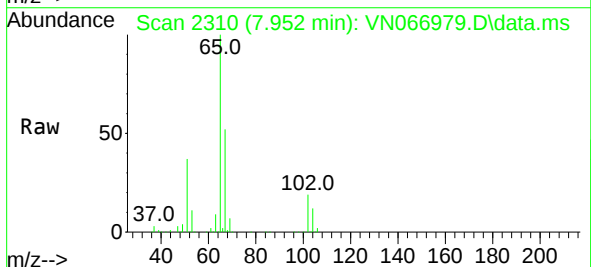


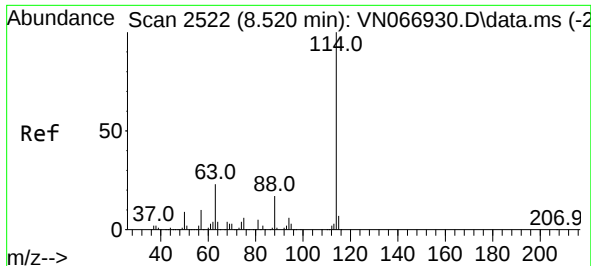
Tgt Ion: 56 Resp: 11240
Ion Ratio Lower Upper
56 100
69 177.8 26.6 39.8#
84 134.6 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 51.80 ug/l
RT: 7.952 min Scan# 2310
Delta R.T. -0.002 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion: 65 Resp: 396073
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.517 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VN066979.D

Acq: 5 May 2021 10:48

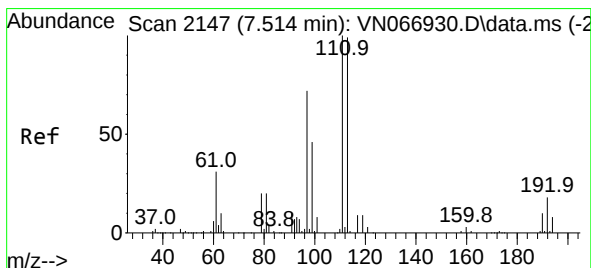
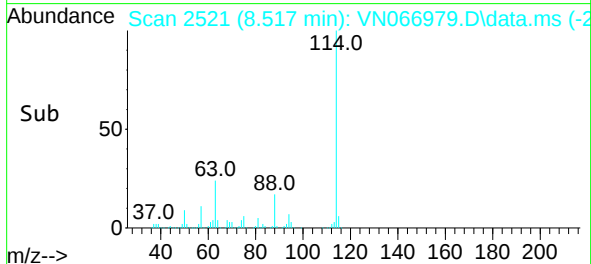
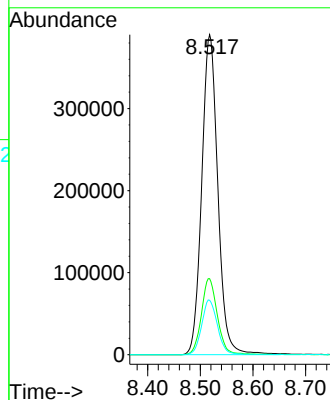
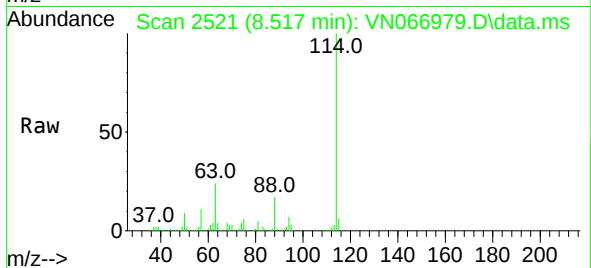
Tgt Ion:114 Resp: 827955

Ion Ratio Lower Upper

114 100

63 23.8 0.0 38.6

88 17.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.79 ug/l

RT: 7.509 min Scan# 2145

Delta R.T. -0.005 min

Lab File: VN066979.D

Acq: 5 May 2021 10:48

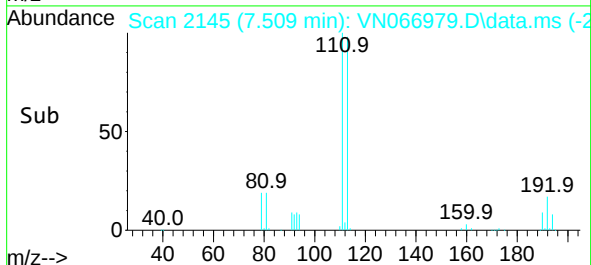
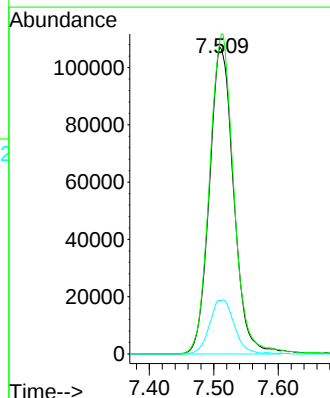
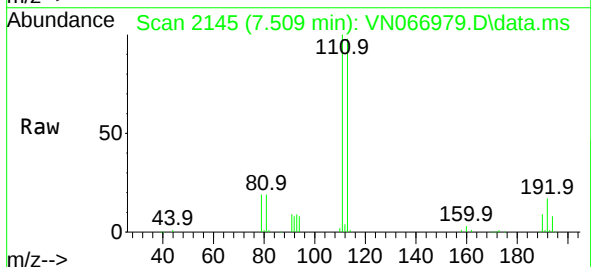
Tgt Ion:113 Resp: 279956

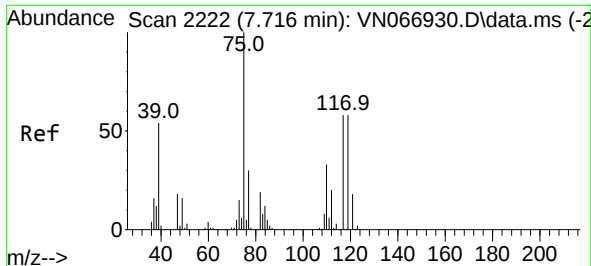
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.2

192 17.9 15.4 23.0

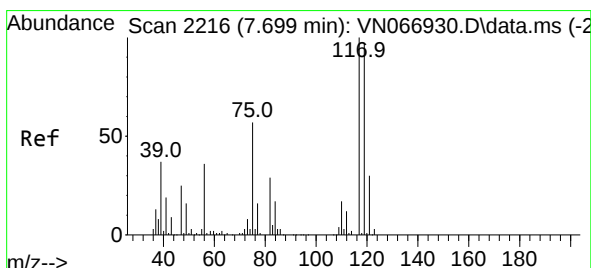
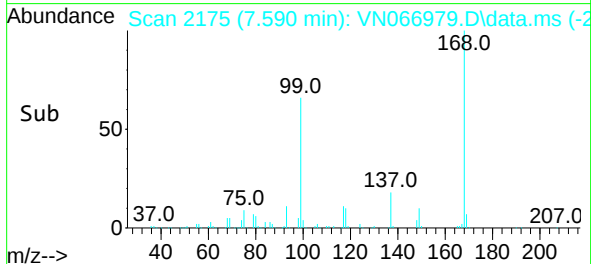
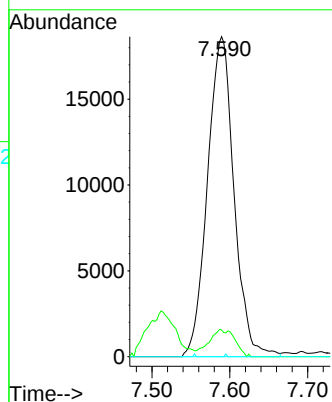
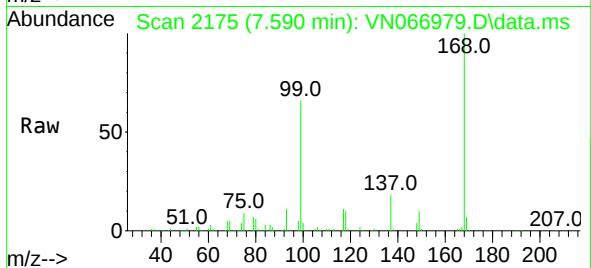




#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.126 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

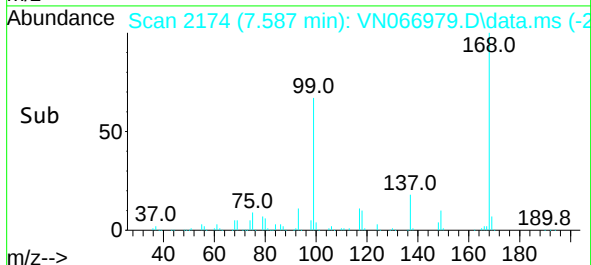
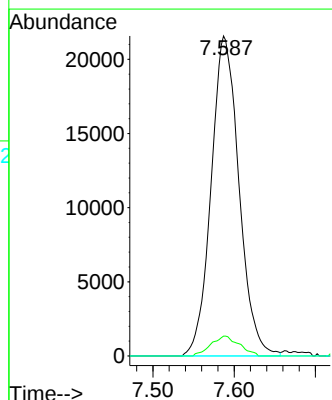
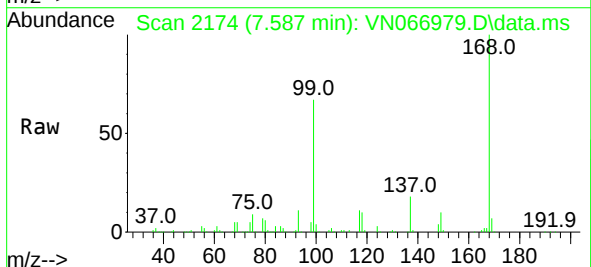
Instrument :
MSVOA_N
ClientSampleId :

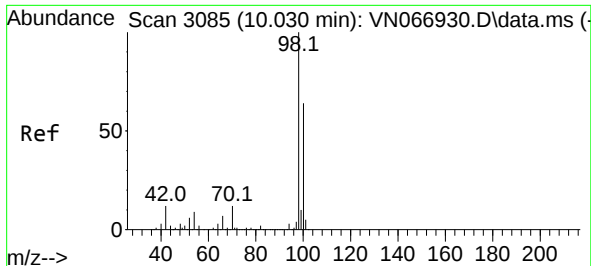
Tgt Ion: 75 Resp: 44071
Ion Ratio Lower Upper
75 100
110 3.5 18.2 54.6#
77 0.1 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.112 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion: 117 Resp: 51442
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.5 36.7#

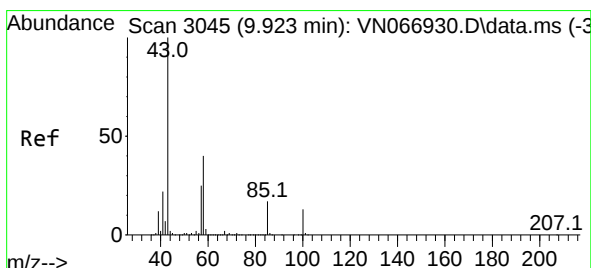
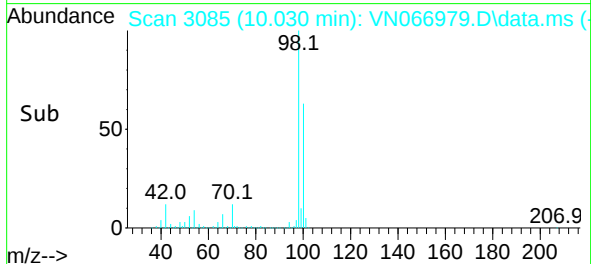
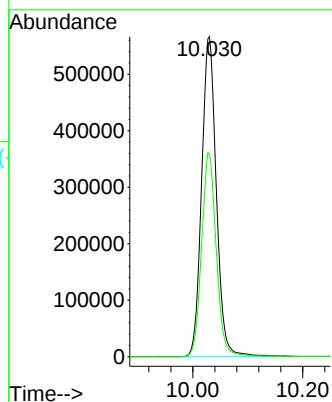
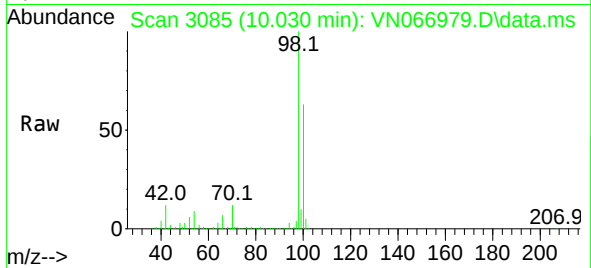




#50
Toluene-d8
Concen: 49.15 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

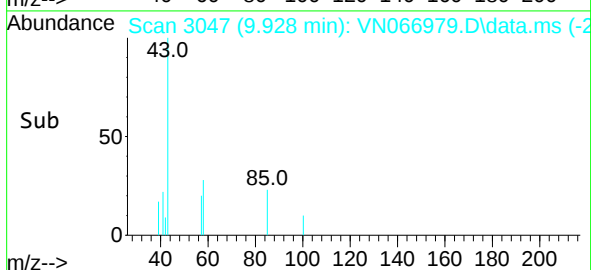
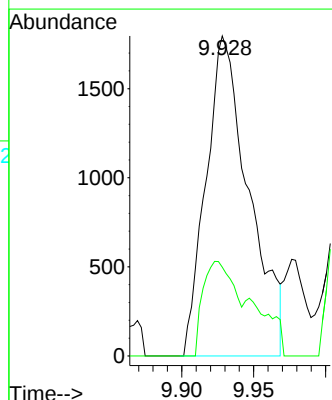
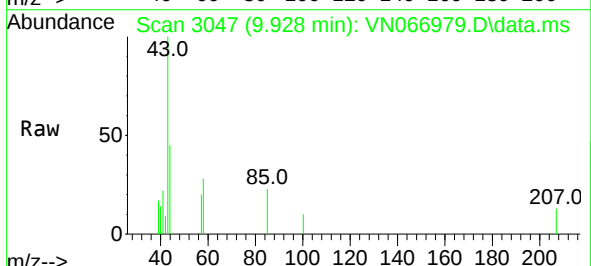
Instrument :
MSVOA_N
ClientSampled :

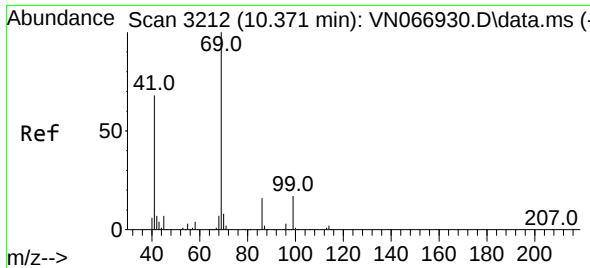
Tgt Ion: 98 Resp: 1052423
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 9.928 min Scan# 3047
Delta R.T. 0.005 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

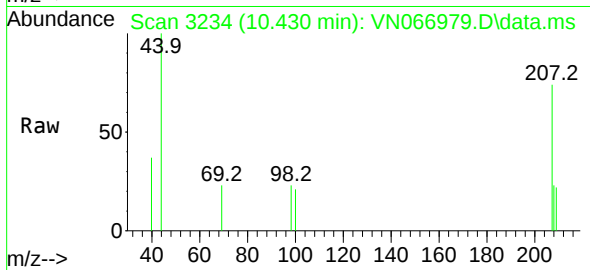
Tgt Ion: 43 Resp: 3721
Ion Ratio Lower Upper
43 100
58 21.8 32.5 48.7#



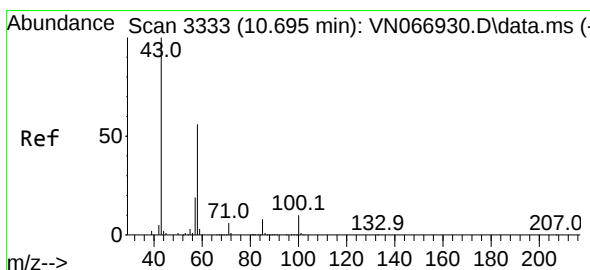
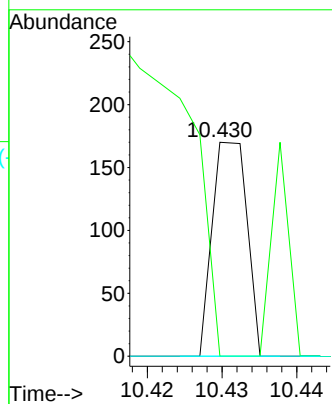
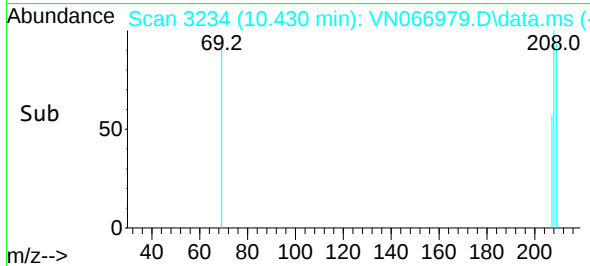


#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.430 min Scan# 3234
Delta R.T. 0.059 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

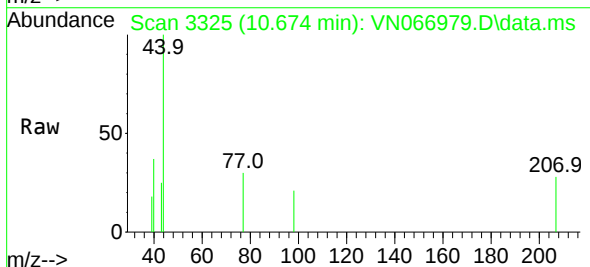
Instrument :
MSVOA_N
ClientSampleId :



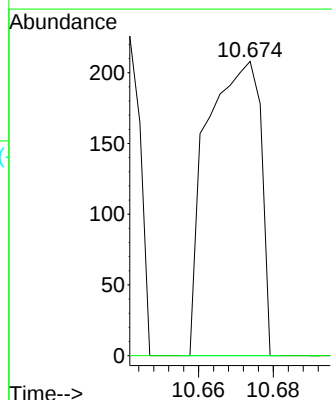
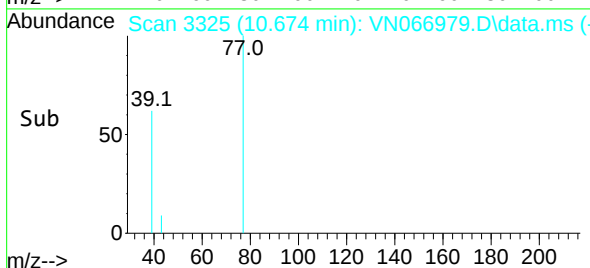
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 49.1 49.6 74.4#
39 0.0 28.0 42.0#

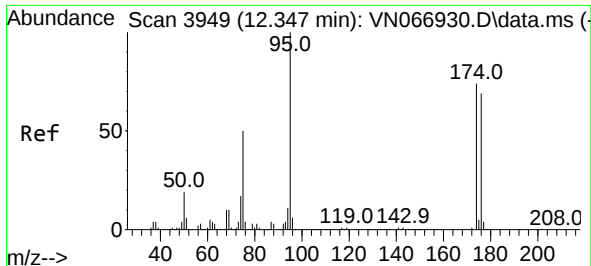


#59
2-Hexanone
Concen: 28.40 ug/l
RT: 10.674 min Scan# 3325
Delta R.T. -0.021 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48



Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

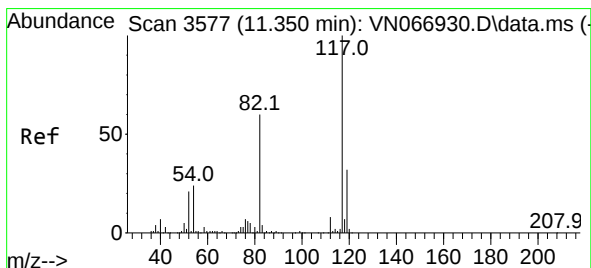
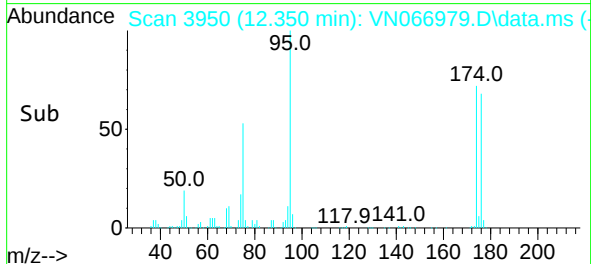
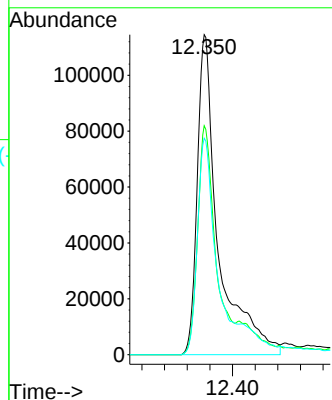
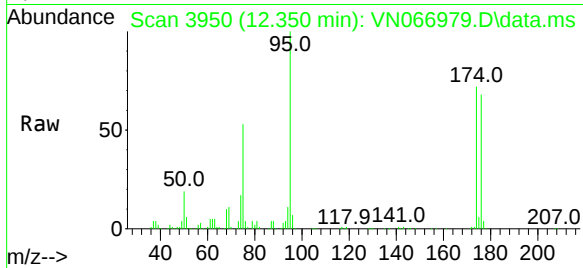




#62
4-Bromofluorobenzene
Concen: 41.03 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

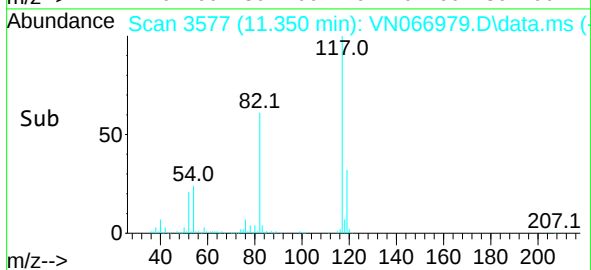
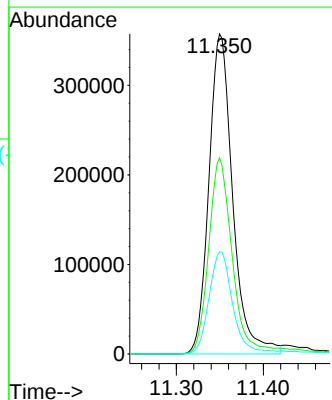
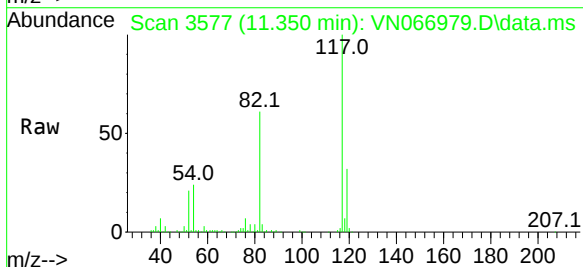
Instrument :
MSVOA_N
ClientSampleId :

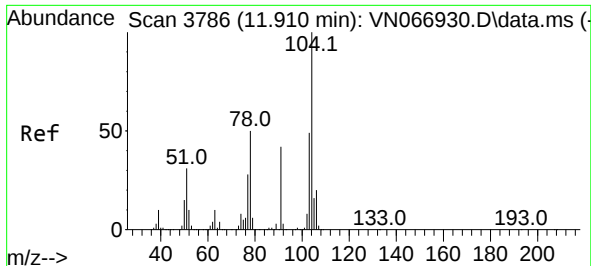
Tgt Ion: 95 Resp: 297490
Ion Ratio Lower Upper
95 100
174 59.8 0.0 169.0
176 58.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion: 117 Resp: 678465
Ion Ratio Lower Upper
117 100
82 61.3 43.7 65.5
119 31.9 26.1 39.1

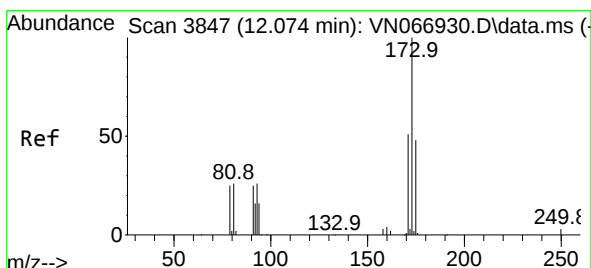
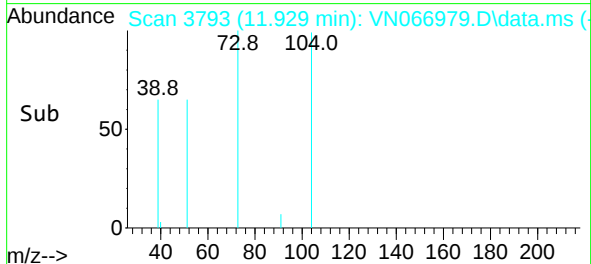
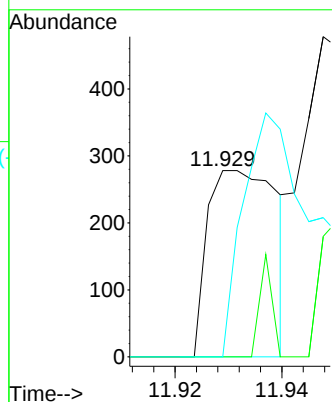
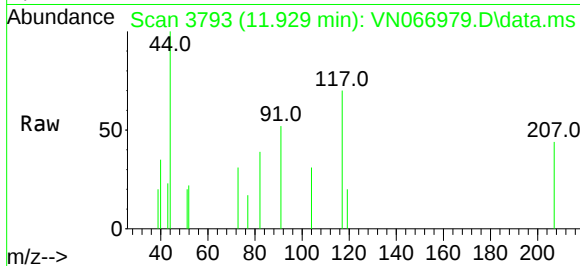




#70
Styrene
Concen: 4.73 ug/l
RT: 11.929 min Scan# 3793
Delta R.T. 0.019 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

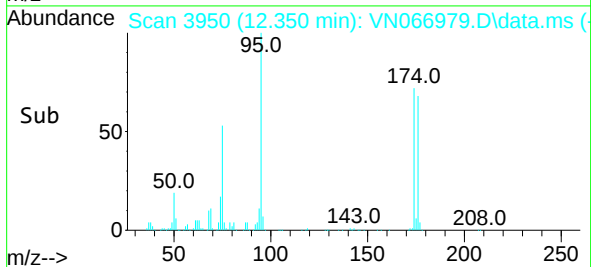
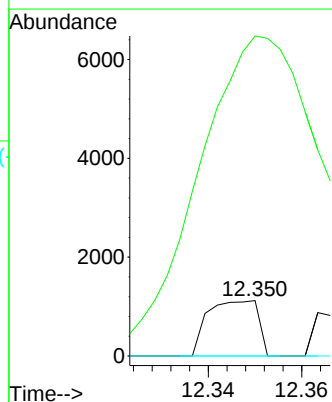
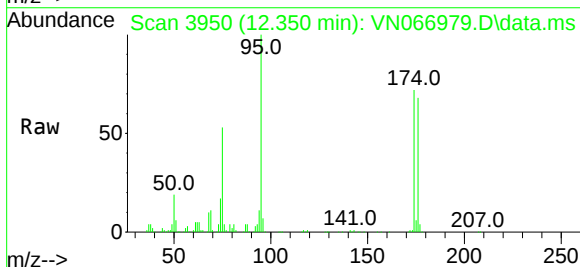
Instrument :
MSVOA_N
ClientSampleId :

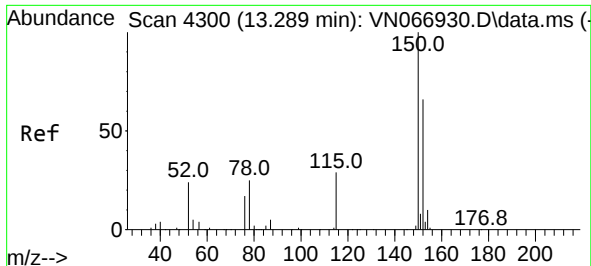
Tgt Ion:104 Resp: 250
Ion Ratio Lower Upper
104 100
78 10.0 39.0 58.4#
103 140.4 44.5 66.7#



#71
Bromoform
Concen: 0.21 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion:173 Resp: 835
Ion Ratio Lower Upper
173 100
175 1249.6 23.8 71.2#
254 0.0 0.0 0.0

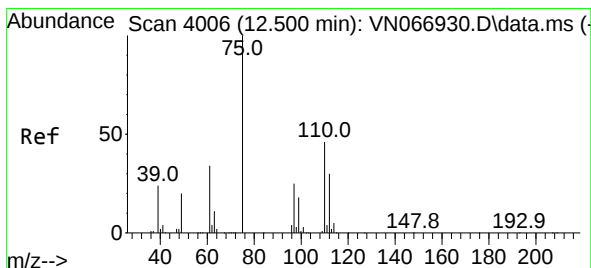
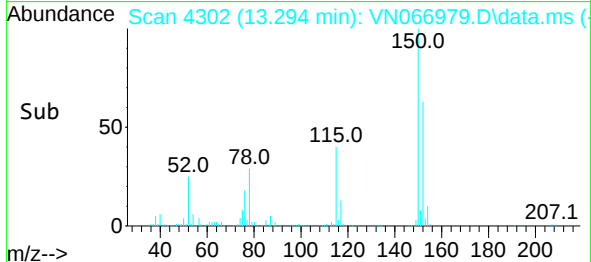
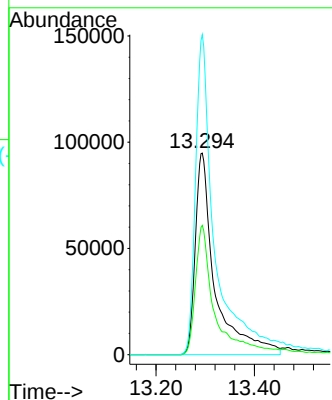
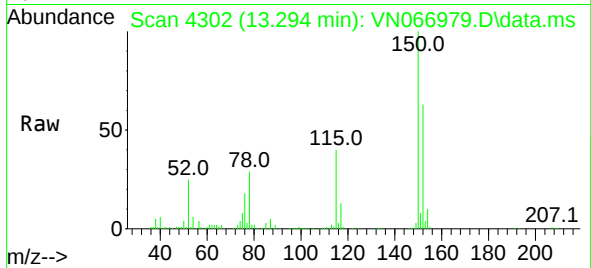




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

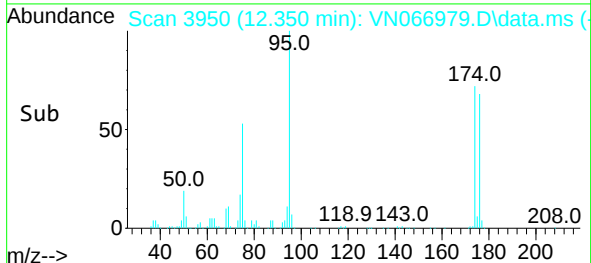
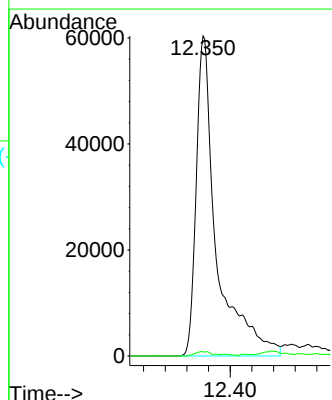
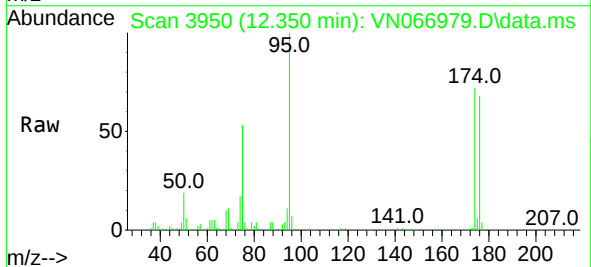
Instrument :
MSVOA_N
ClientSampled :

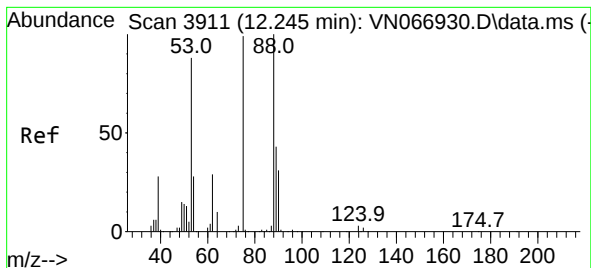
Tgt Ion:152 Resp: 264801
Ion Ratio Lower Upper
152 100
115 61.8 28.5 85.6
150 153.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 24.80 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion: 75 Resp: 156458
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

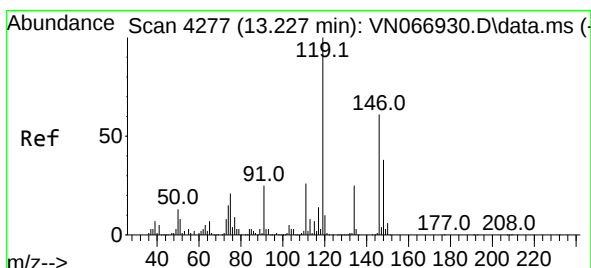
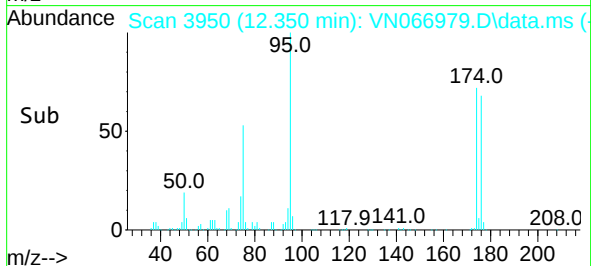
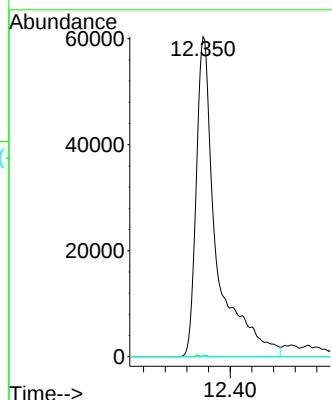
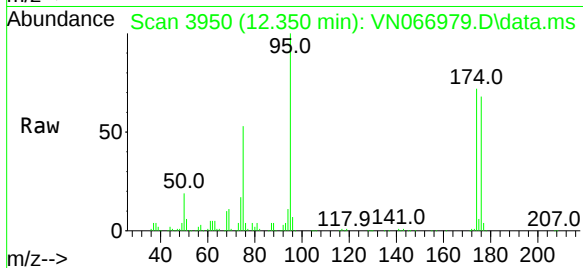




#81
trans-1,4-Dichloro-2-butene
Concen: 74.68 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

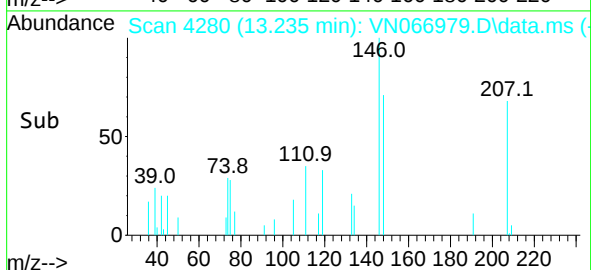
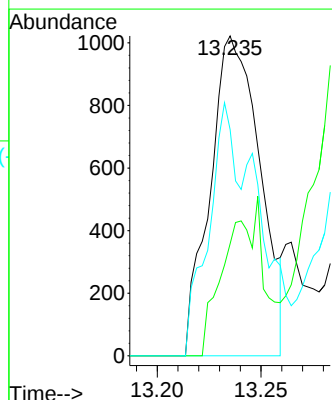
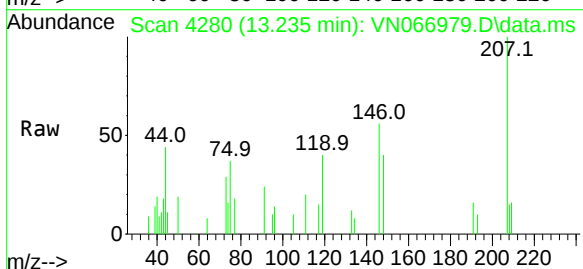
Instrument :
MSVOA_N
ClientSampled :

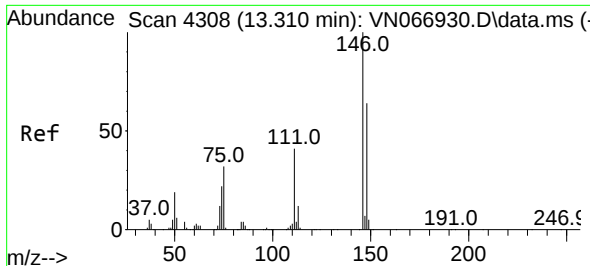
Tgt Ion: 75 Resp: 156458
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#



#87
1,3-Dichlorobenzene
Concen: 0.20 ug/l
RT: 13.235 min Scan# 4280
Delta R.T. 0.008 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion:146 Resp: 1713
Ion Ratio Lower Upper
146 100
111 38.5 19.5 58.5
148 46.4 32.3 96.9

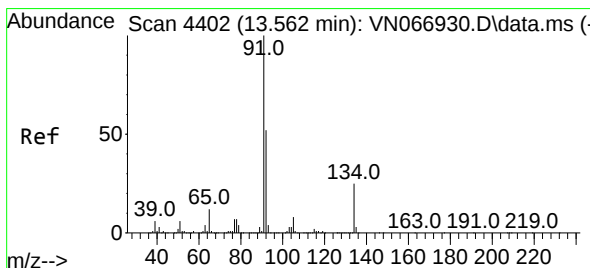
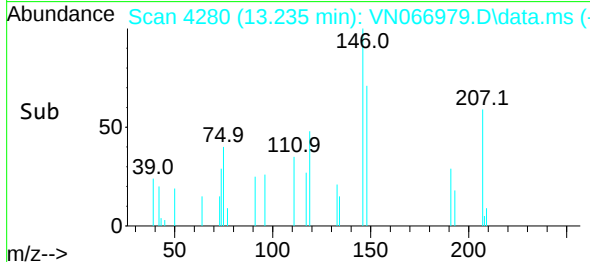
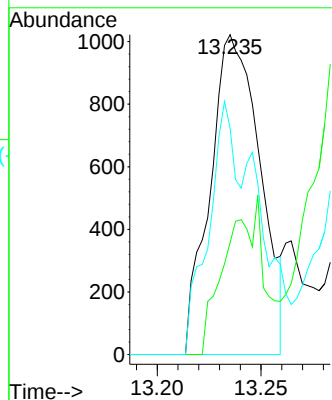
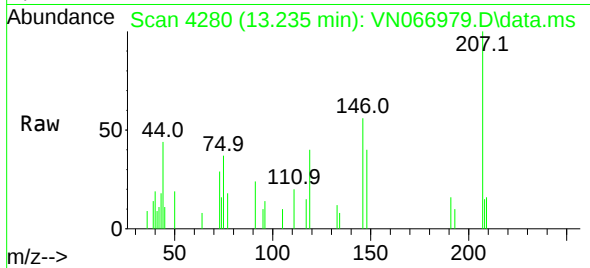




#88
1,4-Dichlorobenzene
Concen: 0.20 ug/l
RT: 13.235 min Scan# 4280
Delta R.T. -0.075 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

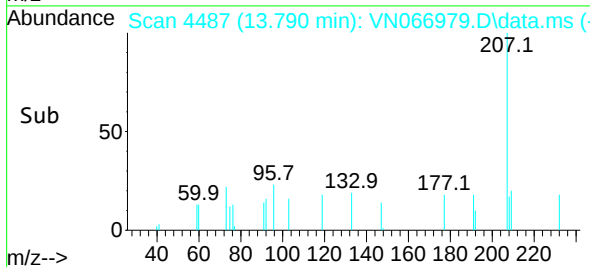
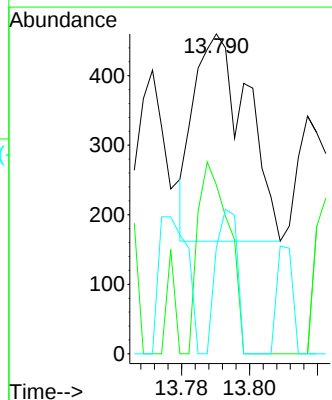
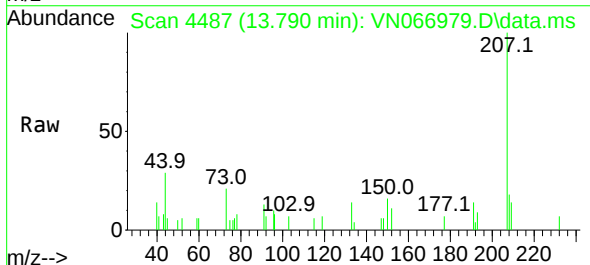
Instrument :
MSVOA_N
ClientSampleId :

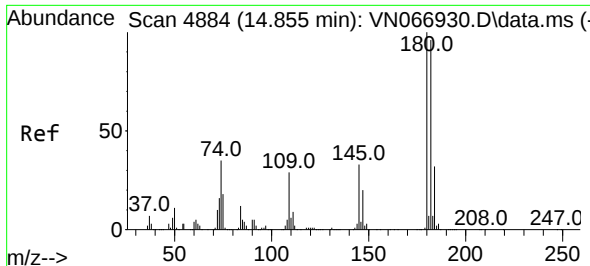
Tgt Ion:146 Resp: 1713
Ion Ratio Lower Upper
146 100
111 38.5 19.0 57.0
148 46.4 31.8 95.3



#89
n-Butylbenzene
Concen: 5.26 ug/l
RT: 13.790 min Scan# 4487
Delta R.T. 0.228 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion: 91 Resp: 326
Ion Ratio Lower Upper
91 100
92 53.7 26.1 78.3
134 27.6 13.0 38.9

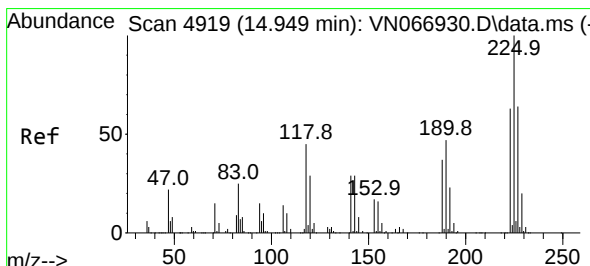
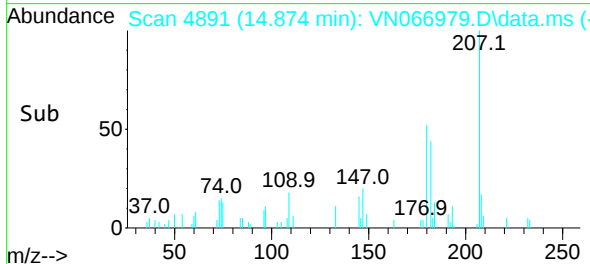
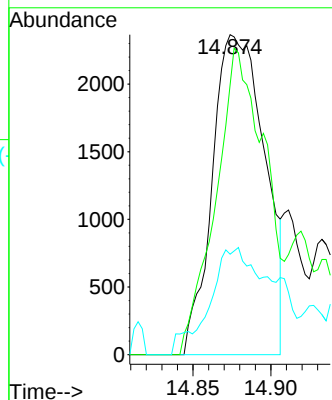
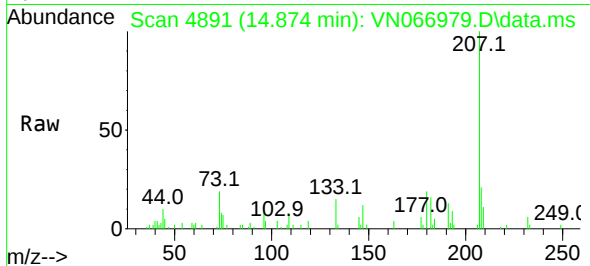




#93
1,2,4-Trichlorobenzene
Concen: 1.24 ug/l
RT: 14.874 min Scan# 4891
Delta R.T. 0.019 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

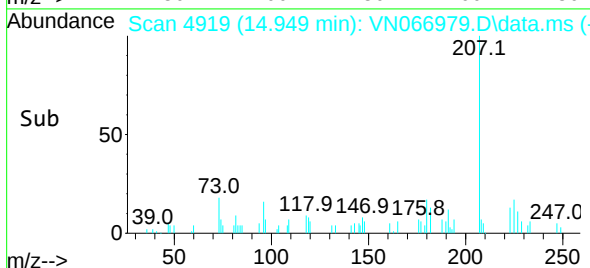
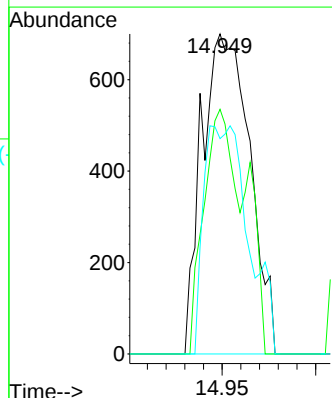
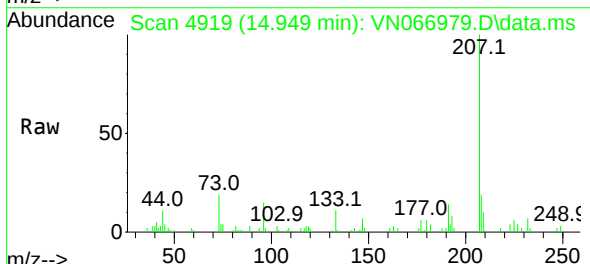
Instrument :
MSVOA_N
ClientSampleId :

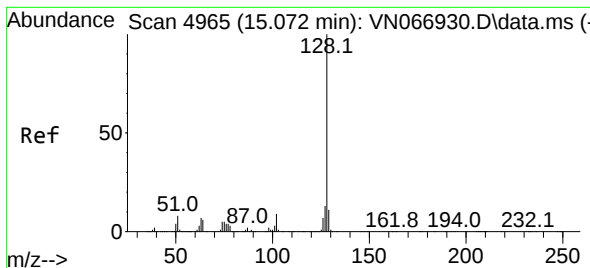
Tgt Ion:180 Resp: 5515
Ion Ratio Lower Upper
180 100
182 91.1 47.3 142.0
145 35.1 15.6 46.8



#94
Hexachlorobutadiene
Concen: 0.46 ug/l
RT: 14.949 min Scan# 4919
Delta R.T. -0.000 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion:225 Resp: 1249
Ion Ratio Lower Upper
225 100
223 49.7 31.9 95.9
227 27.0 31.6 95.0#

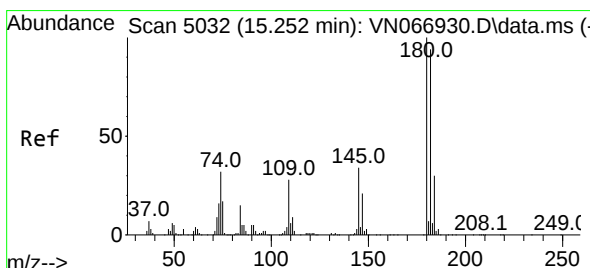
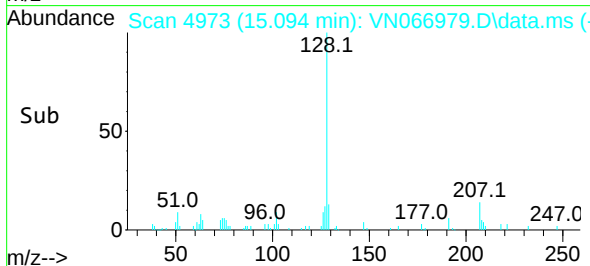
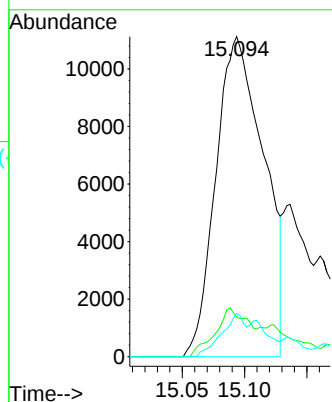
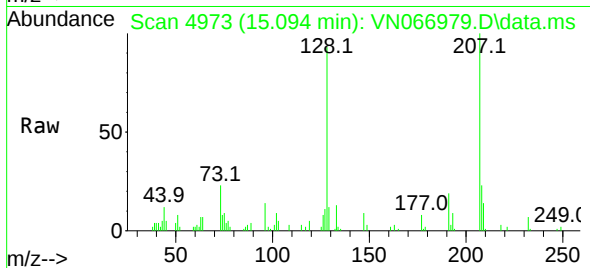




#95
Naphthalene
Concen: 2.55 ug/l
RT: 15.094 min Scan# 4973
Delta R.T. 0.022 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 29695
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.2
129 6.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.32 ug/l
RT: 15.265 min Scan# 5037
Delta R.T. 0.013 min
Lab File: VN066979.D
Acq: 5 May 2021 10:48

Tgt Ion:180 Resp: 10003
Ion Ratio Lower Upper
180 100
182 78.6 47.4 142.3
145 16.4 16.5 49.5#

