

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069178.D
 Acq On : 26 Oct 2021 11:09
 Operator : JC/MD
 Sample : VN1027MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

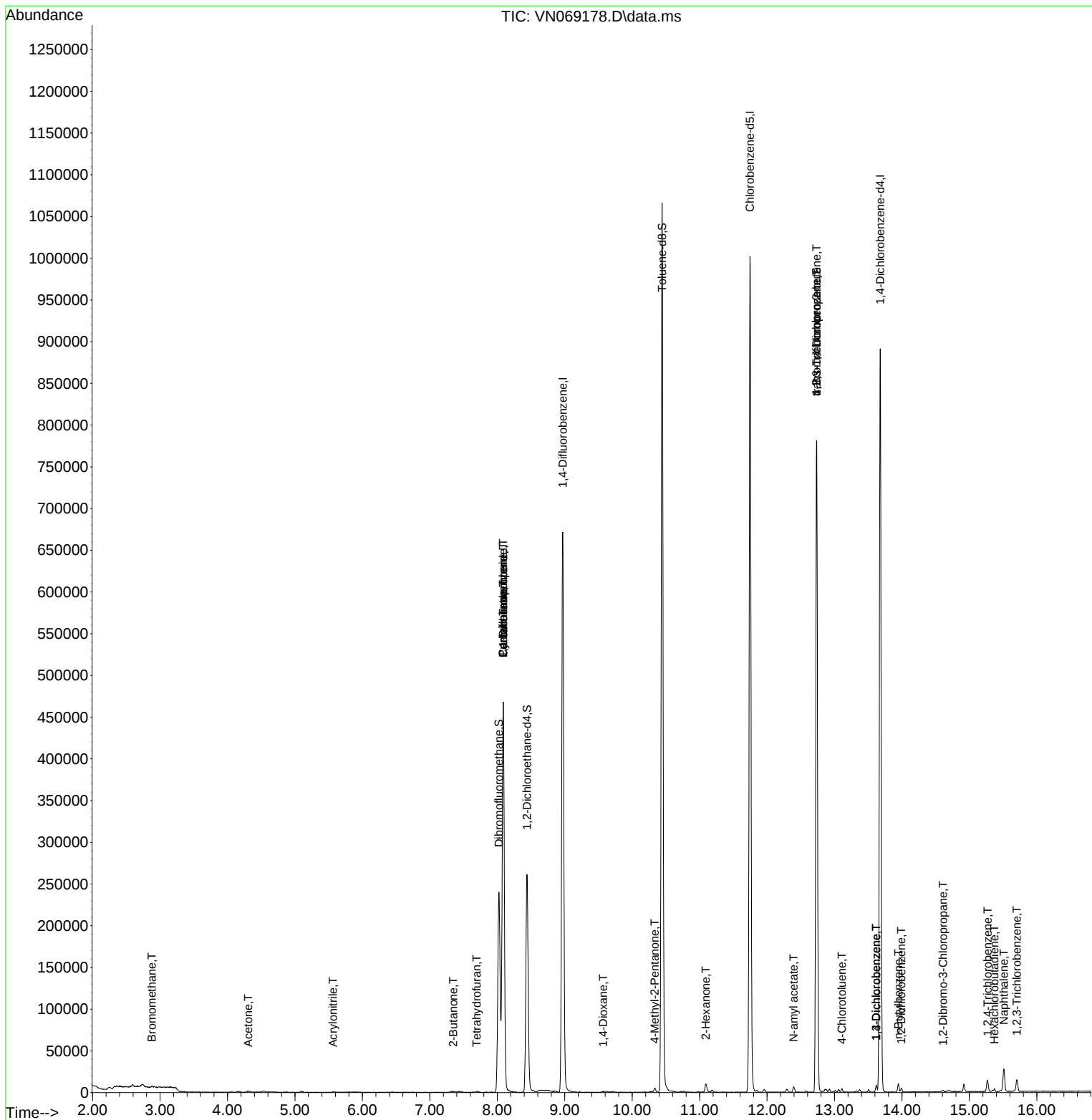
Quant Time: Oct 27 06:52:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

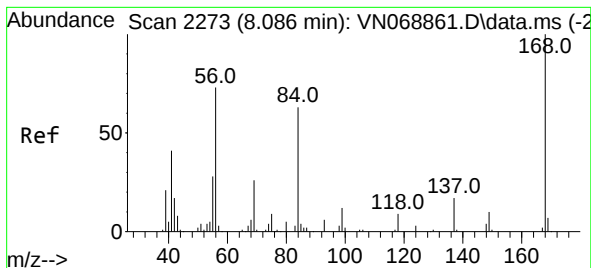
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	347155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	609257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	596906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	236118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230019	50.254	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.500%		
35) Dibromofluoromethane	8.024	113	178099	50.244	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.480%		
50) Toluene-d8	10.443	98	759631	53.559	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.120%		
62) 4-Bromofluorobenzene	12.734	95	285544	53.362	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 106.720%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.877	94	784	0.331	ug/l #	76
15) Acrylonitrile	5.565	53	413	0.220	ug/l #	70
16) Acetone	4.309	43	2756	1.613	ug/l	99
25) 2-Butanone	7.348	43	2075	0.803	ug/l #	48
29) Tetrahydrofuran	7.694	42	434	0.259	ug/l #	65
31) Cyclohexane	8.088	56	7913	1.112	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28647	5.505	ug/l #	50
38) Carbon Tetrachloride	8.088	117	37250	6.517	ug/l #	15
49) 1,4-Dioxane	9.569	88	52	36.211	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	3996	0.727	ug/l	89
59) 2-Hexanone	11.089	43	8840	2.242	ug/l	94
74) N-amyl acetate	12.393	43	4185	0.562	ug/l	97
76) 1,2,3-Trichloropropane	12.734	75	149657	29.789	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	149657	71.268	ug/l #	12
82) 4-Chlorotoluene	13.109	91	3453	0.262	ug/l	92
87) 1,3-Dichlorobenzene	13.619	146	2654	0.353	ug/l	93
88) 1,4-Dichlorobenzene	13.619	146	2654	0.356	ug/l	93
89) n-Butylbenzene	13.948	91	6309	0.479	ug/l	98
91) 1,2-Dichlorobenzene	13.989	146	2307	0.316	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.608	75	655	0.598	ug/l	88
93) 1,2,4-Trichlorobenzene	15.271	180	5733	3.972	ug/l	90
94) Hexachlorobutadiene	15.370	225	1006	0.484	ug/l	72
95) Naphthalene	15.512	128	28281	6.196	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	6325	4.106	ug/l	97

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN069178.D

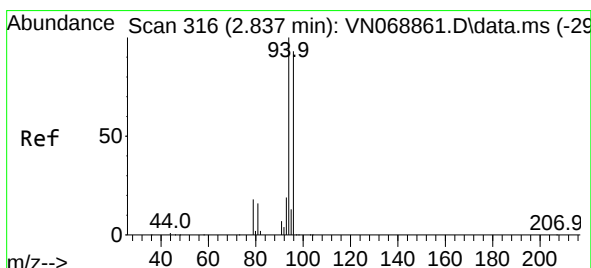
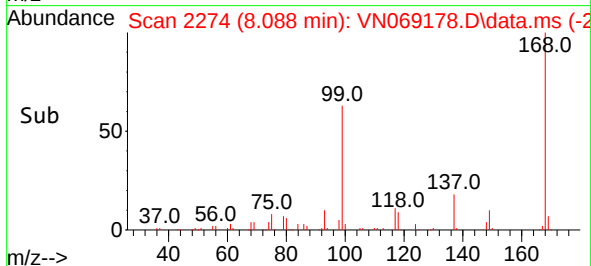
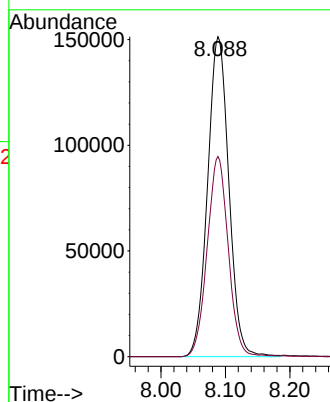
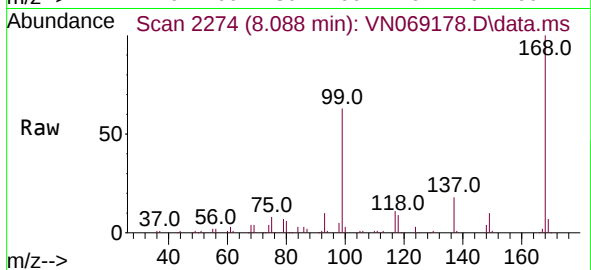
Acq: 26 Oct 2021 11:09

Tgt Ion:168 Resp: 347155

Ion Ratio Lower Upper

168 100

99 62.5 48.9 73.3



#5

Bromomethane

Concen: 0.331 ug/l

RT: 2.877 min Scan# 331

Delta R.T. 0.040 min

Lab File: VN069178.D

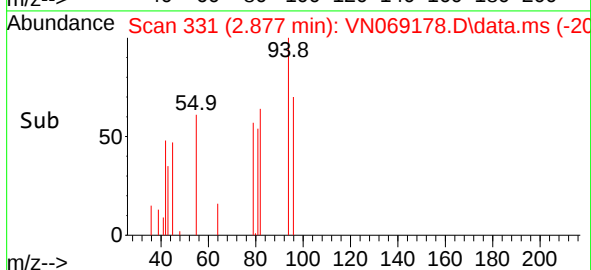
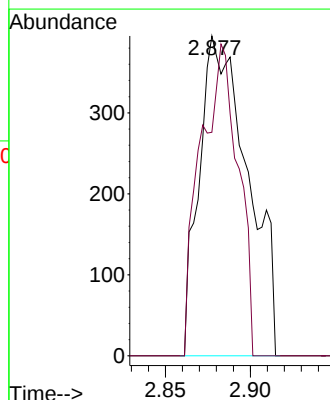
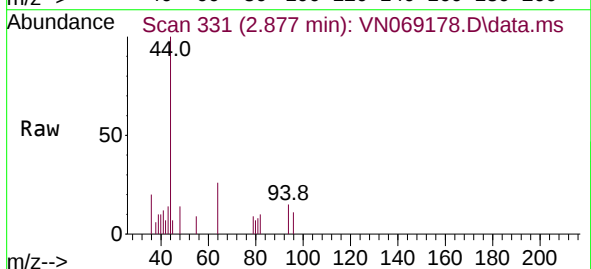
Acq: 26 Oct 2021 11:09

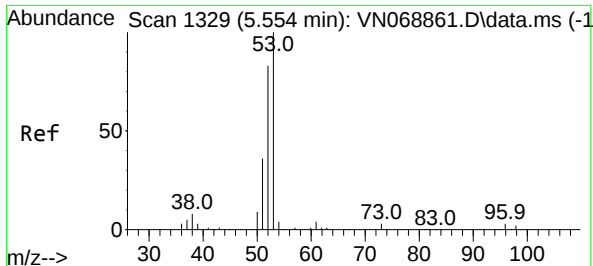
Tgt Ion: 94 Resp: 784

Ion Ratio Lower Upper

94 100

96 69.9 74.2 111.4#





#15

Acrylonitrile

Concen: 0.220 ug/l

RT: 5.565 min Scan# 1333

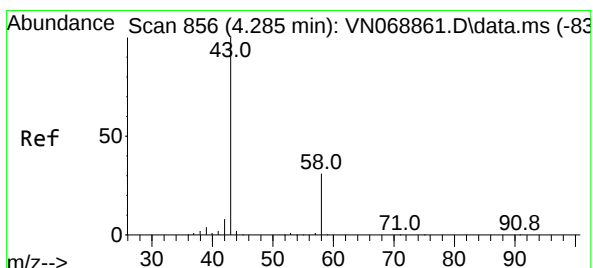
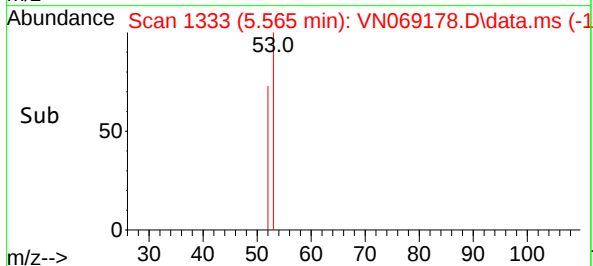
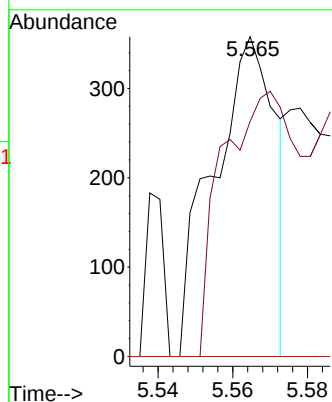
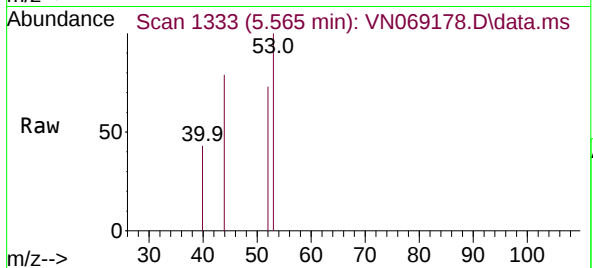
Delta R.T. 0.011 min

Lab File: VN069178.D

Acq: 26 Oct 2021 11:09

Tgt Ion:	53	Resp:	413
Ion	Ratio	Lower	Upper
53	100		
52	96.6	65.7	98.5
51	0.0	28.9	43.3#

Instrument :
MSVOA_N
ClientSampled :



#16

Acetone

Concen: 1.613 ug/l

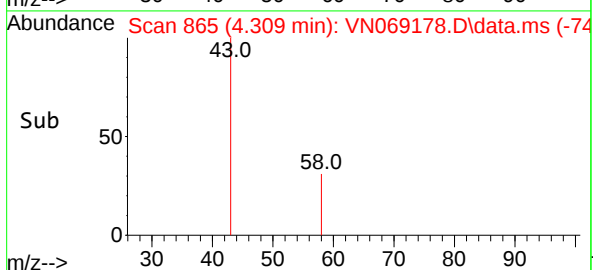
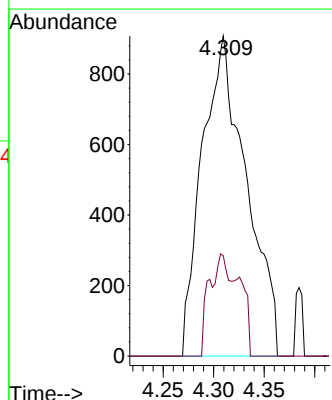
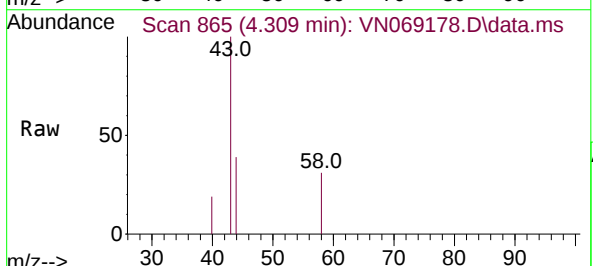
RT: 4.309 min Scan# 865

Delta R.T. 0.024 min

Lab File: VN069178.D

Acq: 26 Oct 2021 11:09

Tgt Ion:	43	Resp:	2756
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.5	36.7

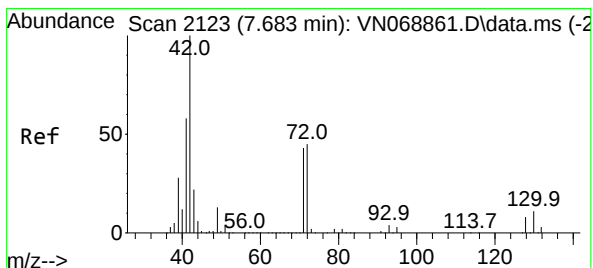
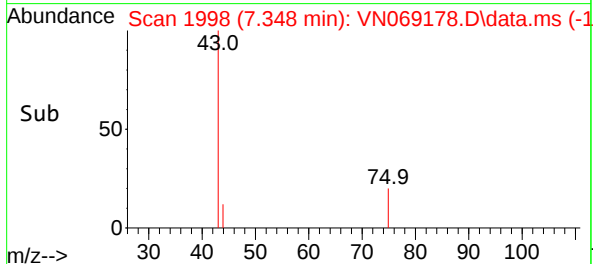
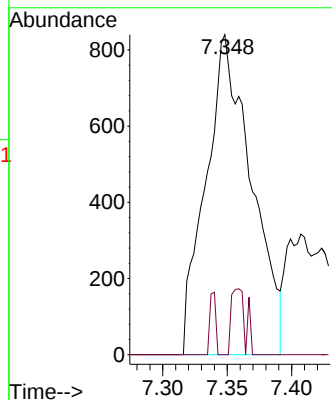
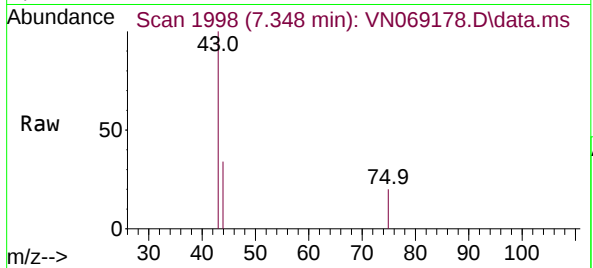




#25
2-Butanone
Concen: 0.803 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

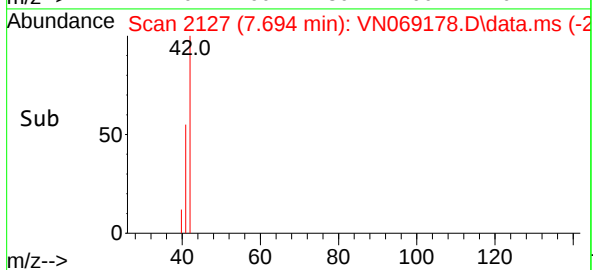
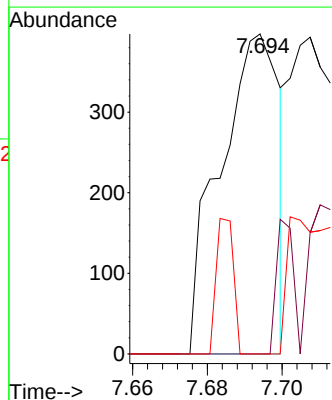
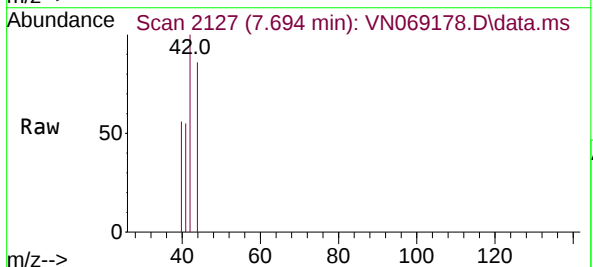
Instrument :
MSVOA_N
ClientSampled :

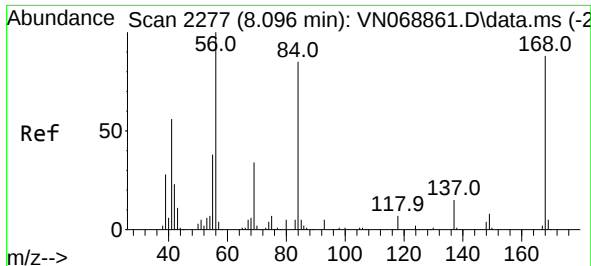
Tgt Ion: 43 Resp: 2075
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.259 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 42 Resp: 434
Ion Ratio Lower Upper
42 100
72 12.0 35.4 53.2#
71 29.5 33.8 50.6#

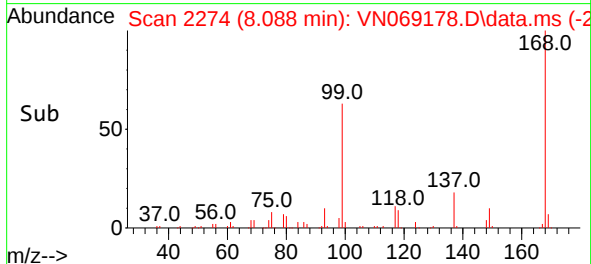
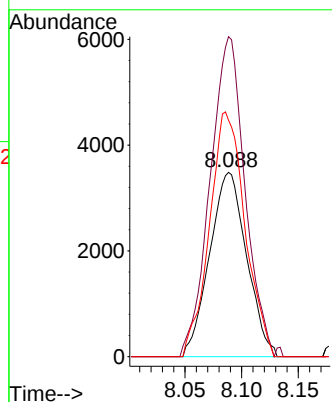
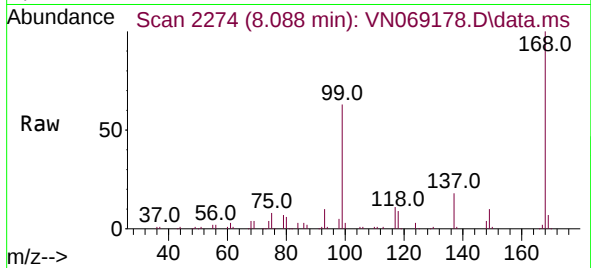




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

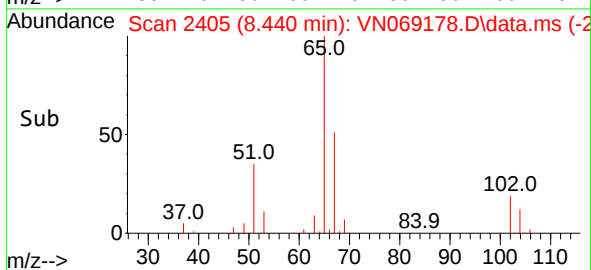
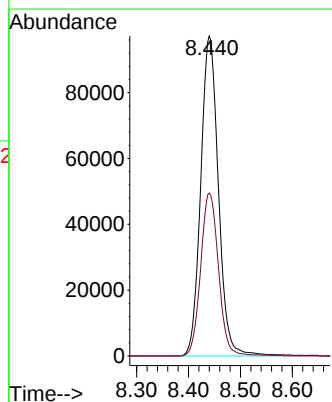
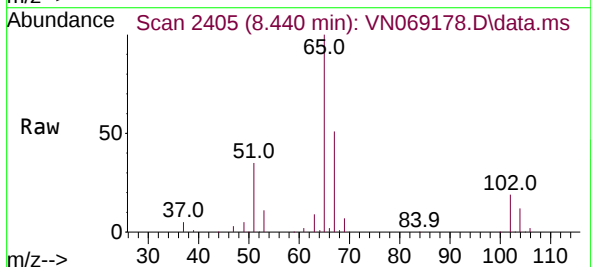
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7913
Ion Ratio Lower Upper
56 100
69 173.6 26.9 40.3#
84 128.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 50.254 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 65 Resp: 230019
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8

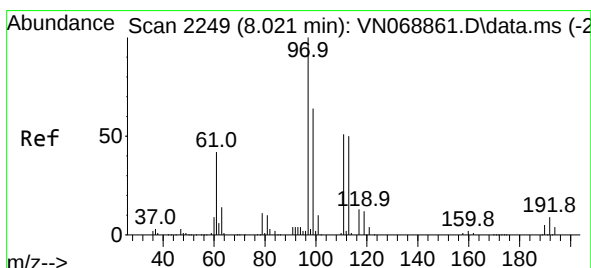
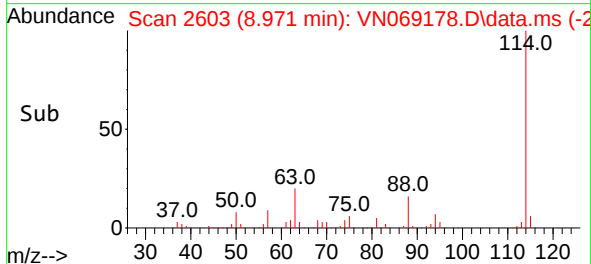
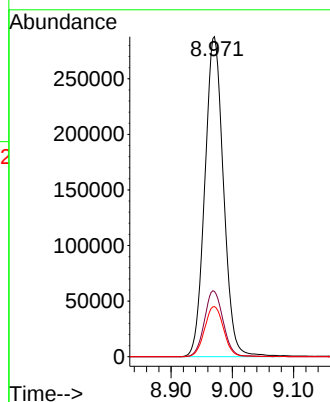
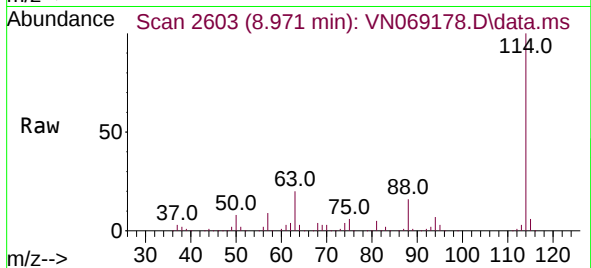




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

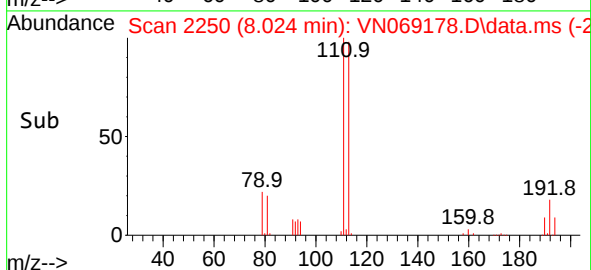
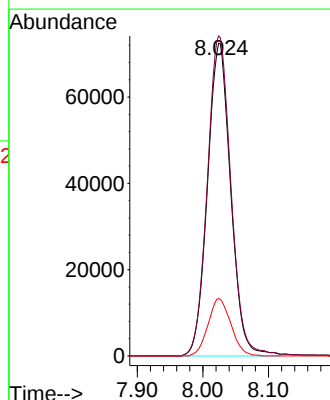
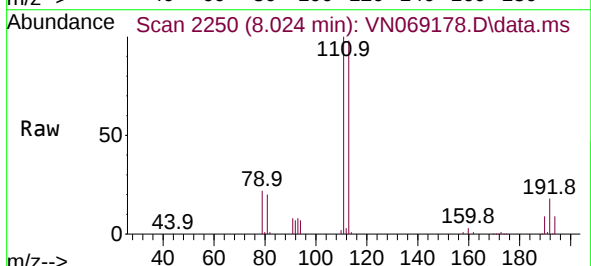
Instrument :
MSVOA_N
ClientSampled :

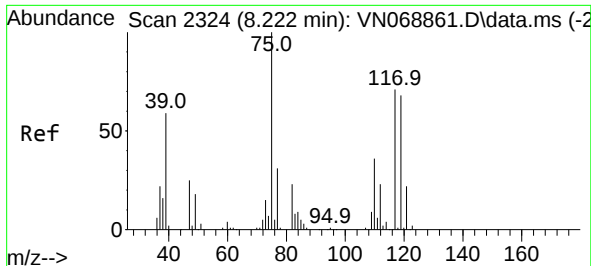
Tgt Ion:114 Resp: 609257
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.6 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.244 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion:113 Resp: 178099
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 18.1 15.0 22.4

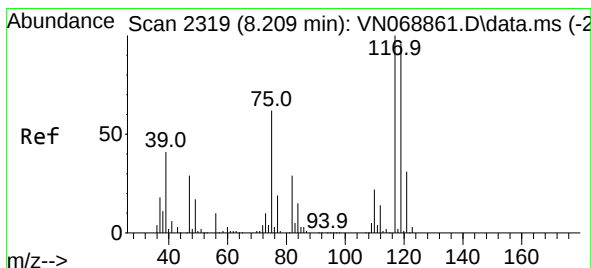
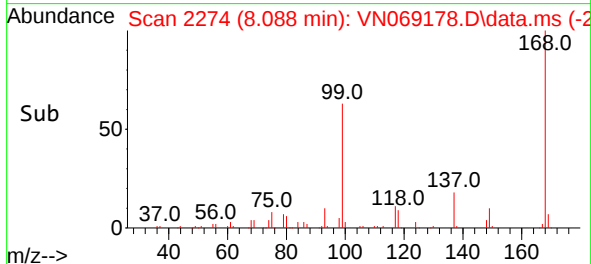
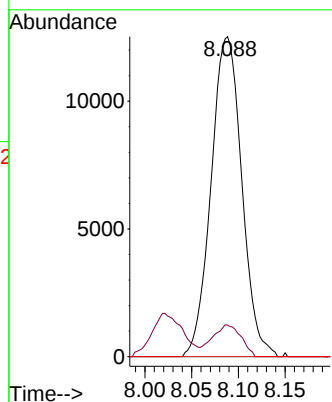
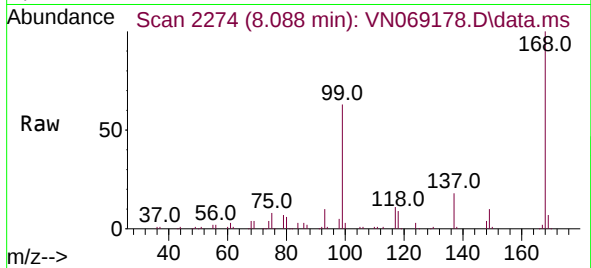




#36
1,1-Dichloropropene
Concen: 5.505 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

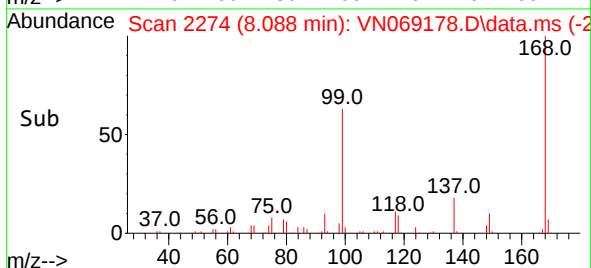
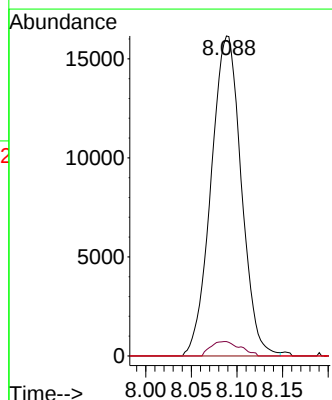
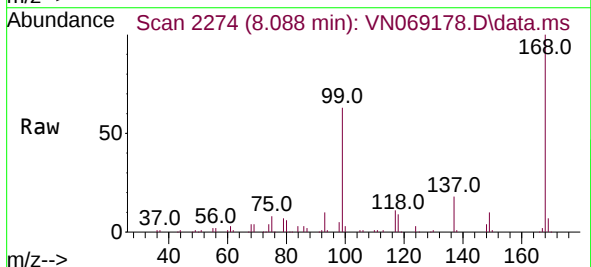
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MSVOA_N
ClientSampled :

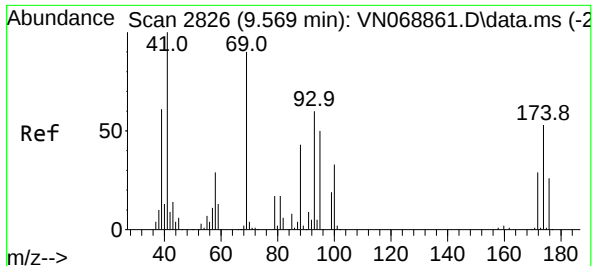
Tgt Ion: 75 Resp: 28647
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.517 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 117 Resp: 37250
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 36.211 ug/l

RT: 9.569 min Scan# 2826

Delta R.T. -0.000 min

Lab File: VN069178.D

Acq: 26 Oct 2021 11:09

Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

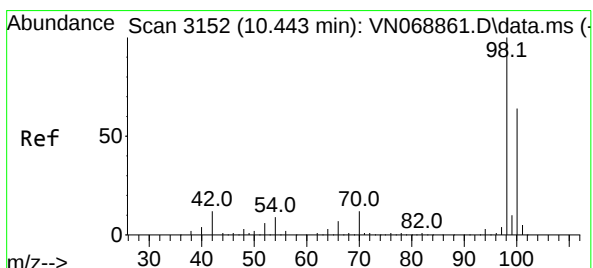
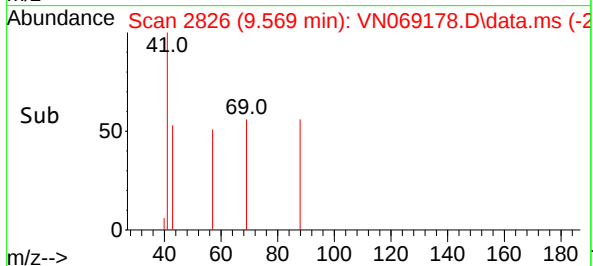
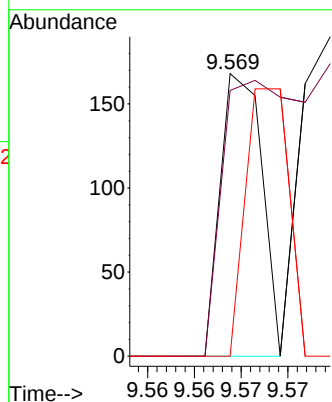
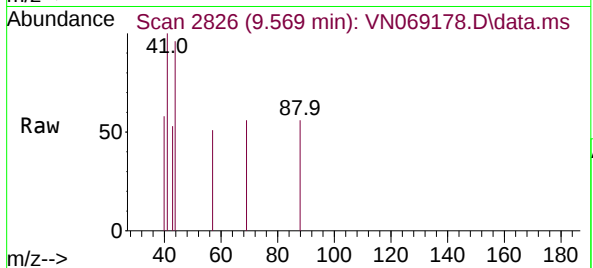
43 194.2 24.9 37.3#

58 98.1 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.559 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069178.D

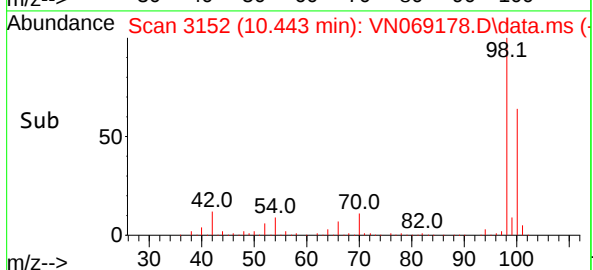
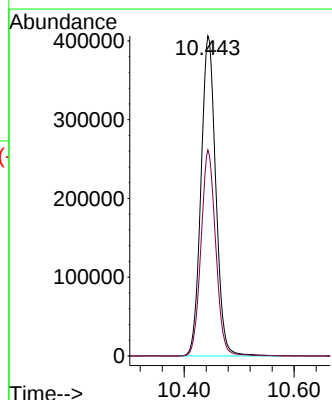
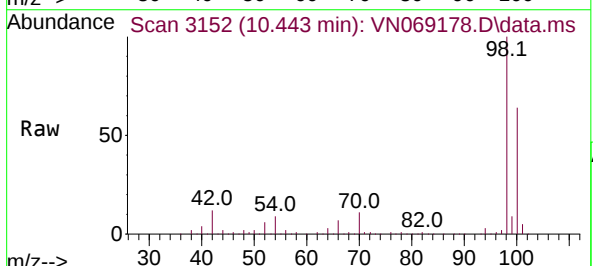
Acq: 26 Oct 2021 11:09

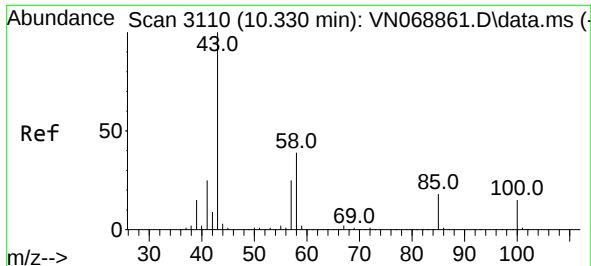
Tgt Ion: 98 Resp: 759631

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3

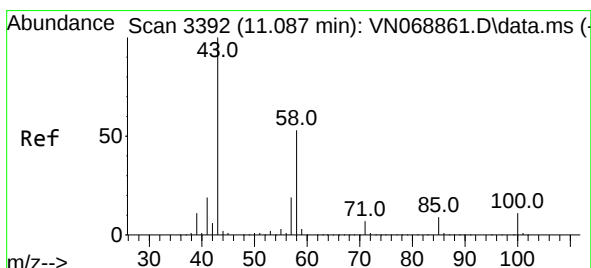
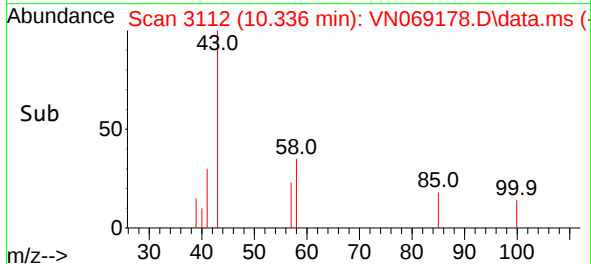
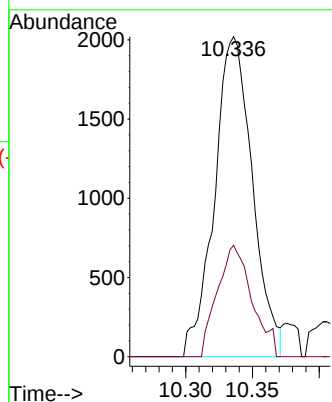
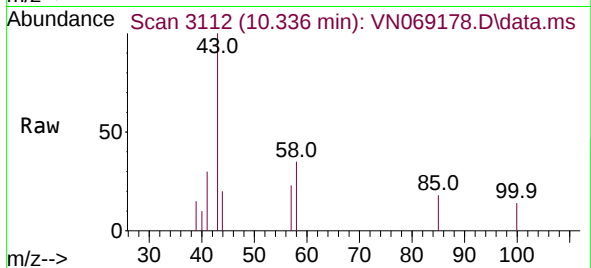




#51
4-Methyl-2-Pentanone
Concen: 0.727 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

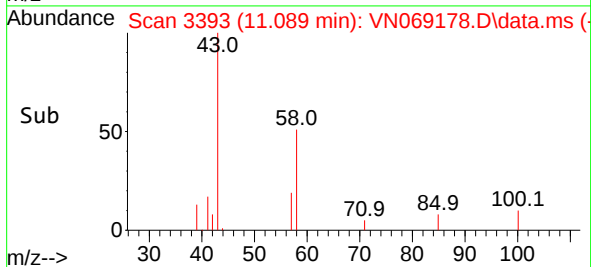
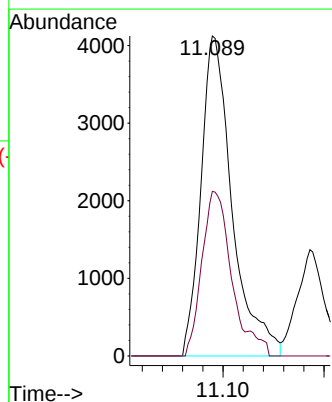
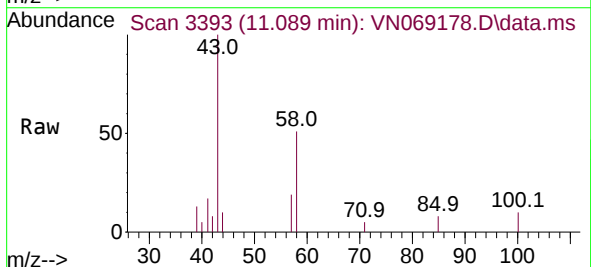
Instrument :
MSVOA_N
ClientSampled :

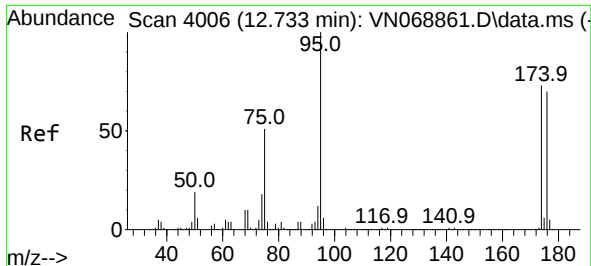
Tgt Ion: 43 Resp: 3996
Ion Ratio Lower Upper
43 100
58 31.8 31.0 46.4



#59
2-Hexanone
Concen: 2.242 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 43 Resp: 8840
Ion Ratio Lower Upper
43 100
58 49.4 26.9 80.7

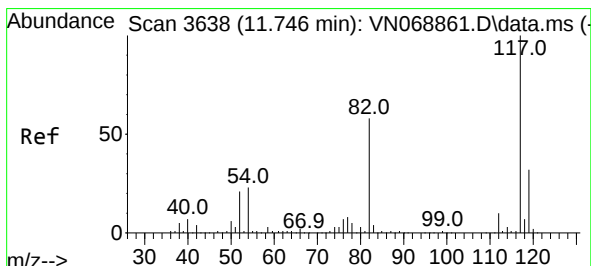
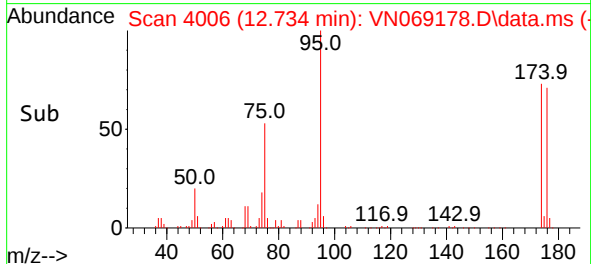
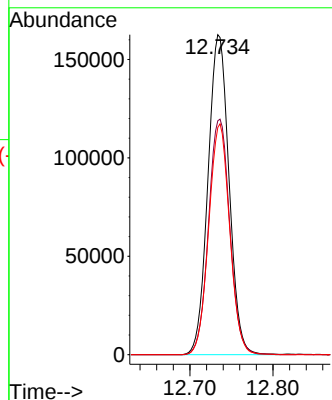
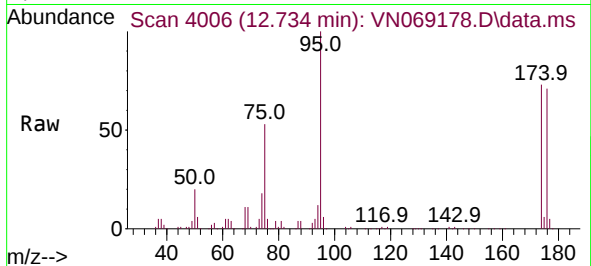




#62
4-Bromofluorobenzene
Concen: 53.362 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

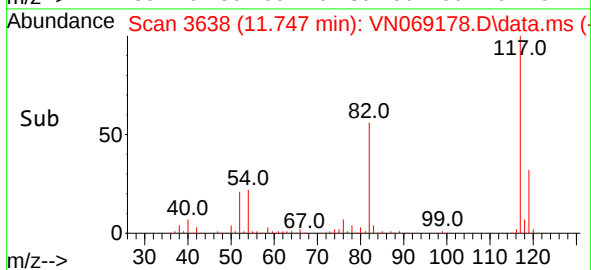
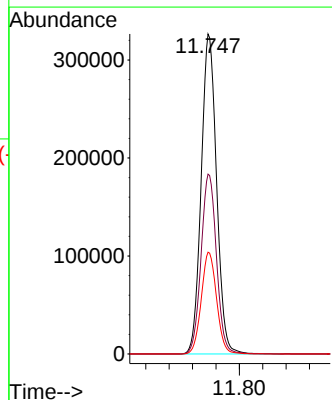
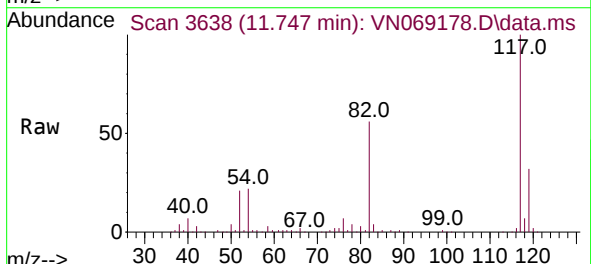
Instrument :
MSVOA_N
ClientSampled :

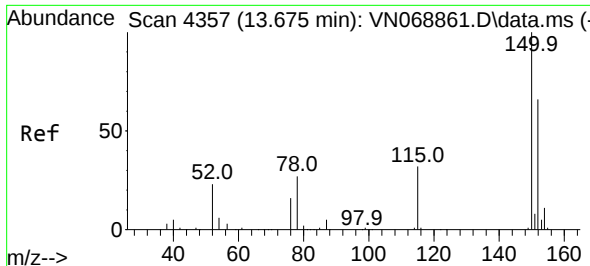
Tgt Ion: 95 Resp: 285544
Ion Ratio Lower Upper
95 100
174 74.5 0.0 144.8
176 71.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 117 Resp: 596906
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.8 26.0 39.0

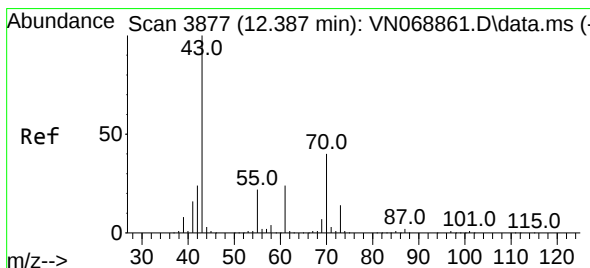
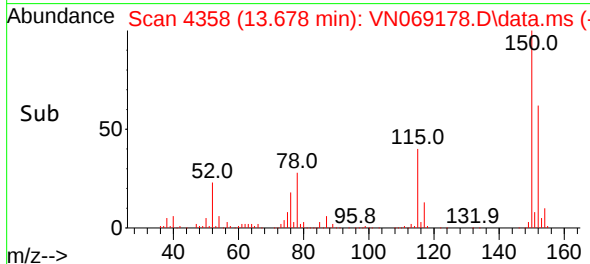
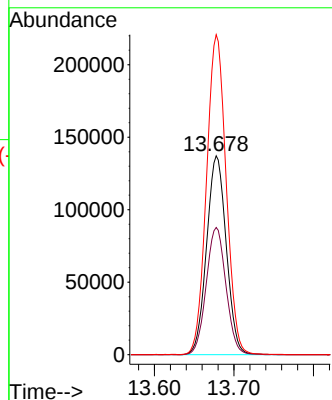
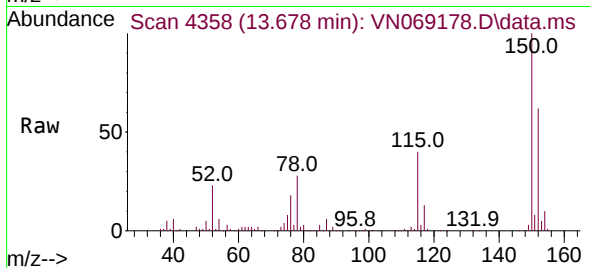




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

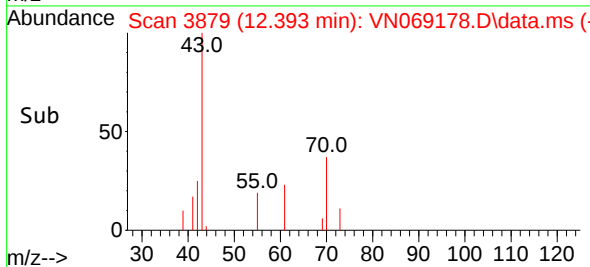
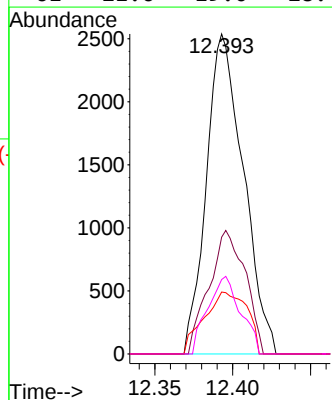
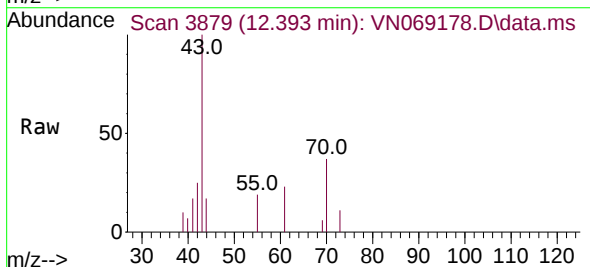
Instrument :
MSVOA_N
ClientSampled :

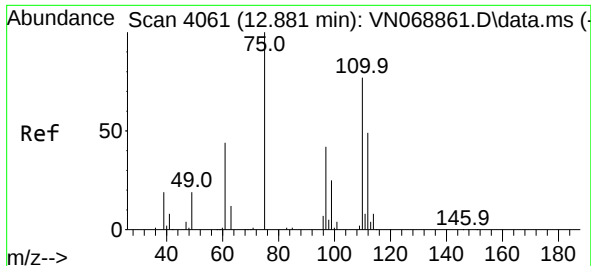
Tgt Ion:152 Resp: 236118
Ion Ratio Lower Upper
152 100
115 64.2 31.4 94.3
150 160.4 0.0 351.0



#74
N-ethyl acetate
Concen: 0.562 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 43 Resp: 4185
Ion Ratio Lower Upper
43 100
70 38.0 32.2 48.2
55 22.6 18.0 27.0
61 21.6 19.0 28.4

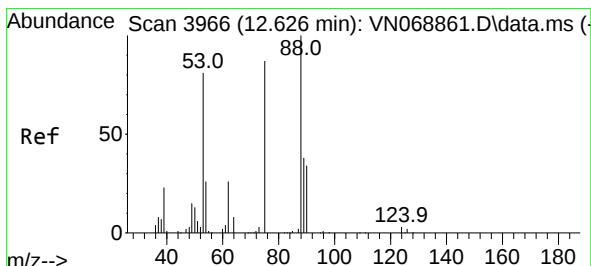
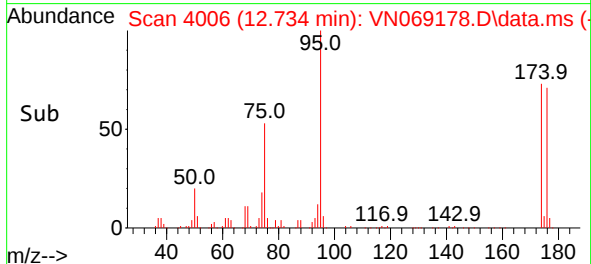
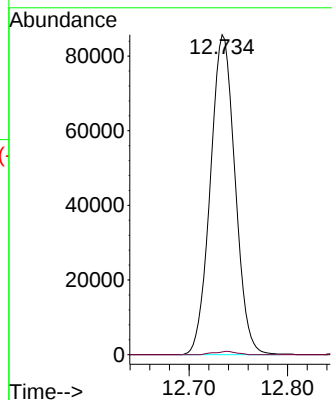
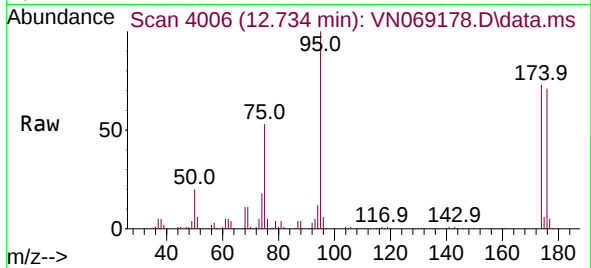




#76
1,2,3-Trichloropropane
Concen: 29.789 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

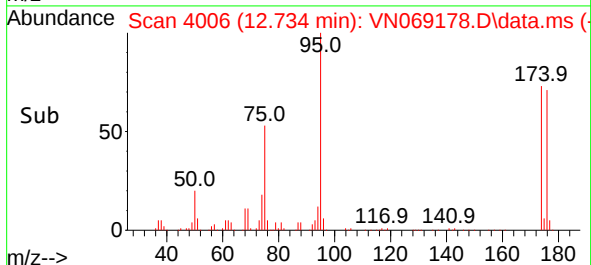
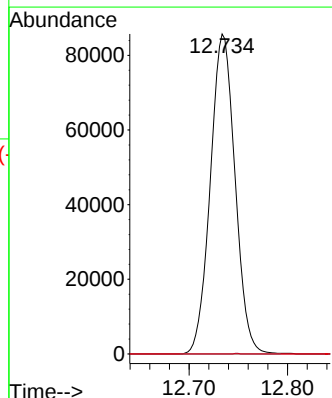
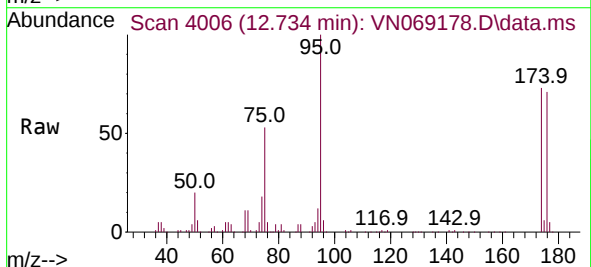
Instrument :
MSVOA_N
ClientSampled :

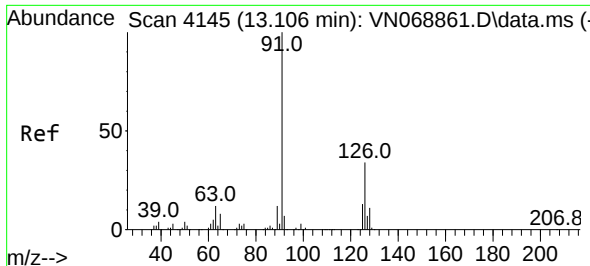
Tgt Ion: 75 Resp: 149657
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.268 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 75 Resp: 149657
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

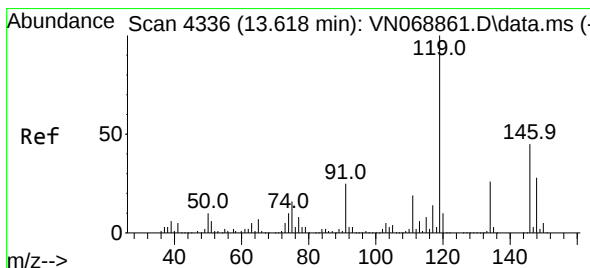
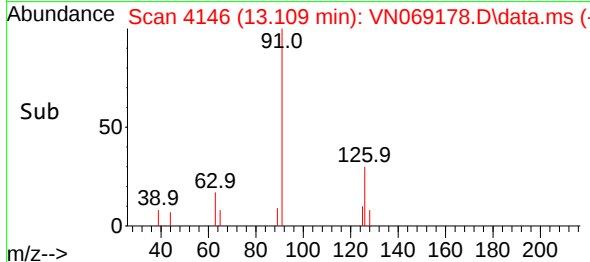
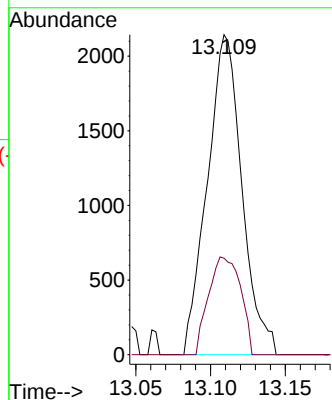
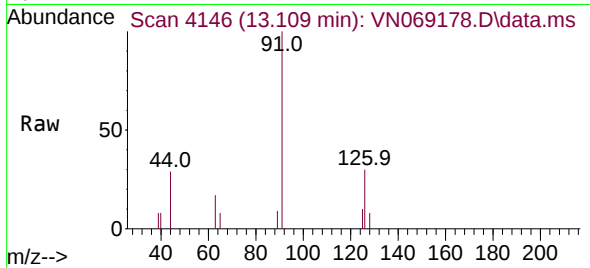




#82
4-Chlorotoluene
Concen: 0.262 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

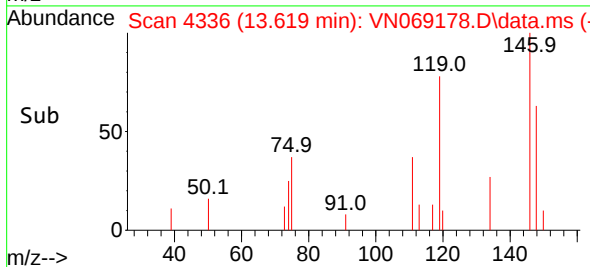
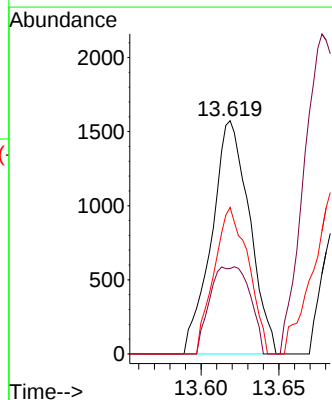
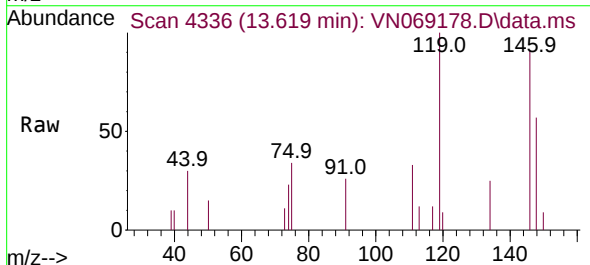
Instrument :
MSVOA_N
ClientSampled :

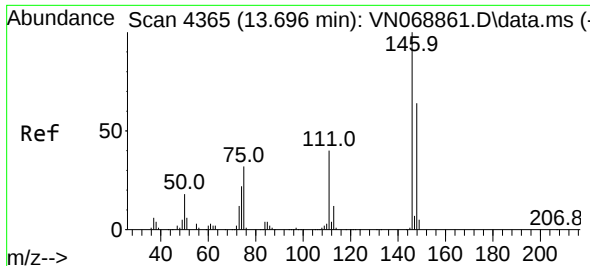
Tgt Ion: 91 Resp: 3453
Ion Ratio Lower Upper
91 100
126 28.2 16.3 48.8



#87
1,3-Dichlorobenzene
Concen: 0.353 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion:146 Resp: 2654
Ion Ratio Lower Upper
146 100
111 39.7 21.4 64.2
148 56.9 32.0 96.2

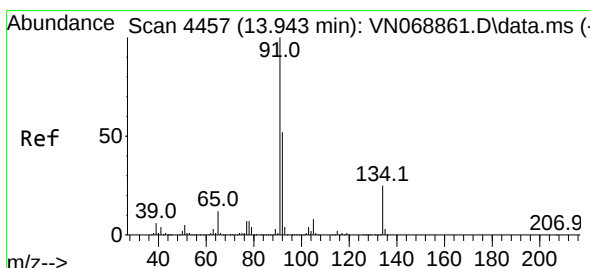
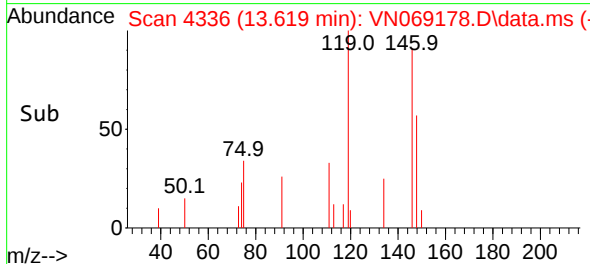
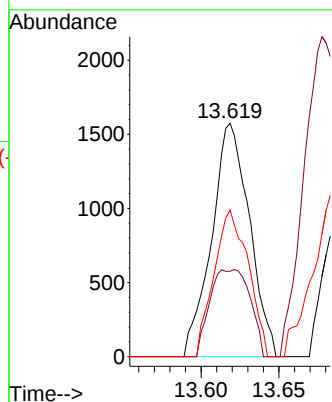
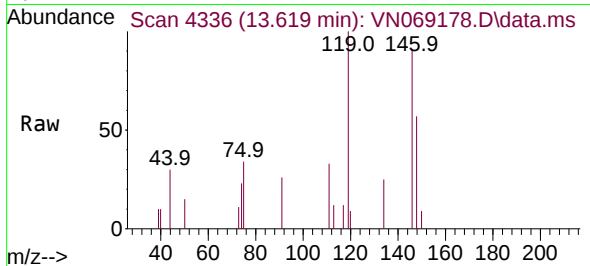




#88
1,4-Dichlorobenzene
Concen: 0.356 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

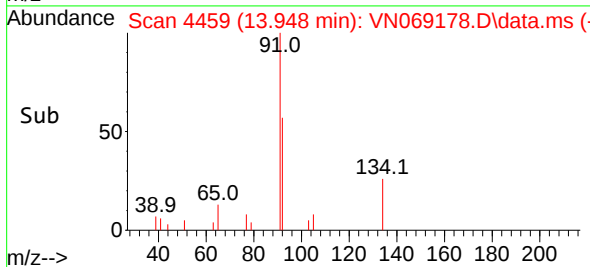
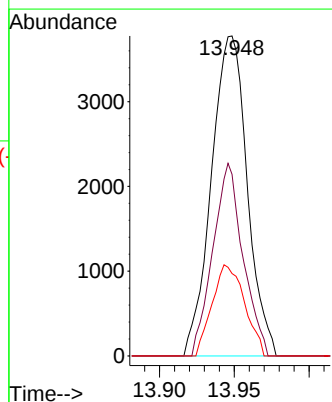
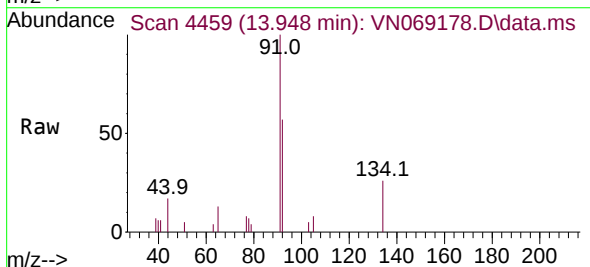
Instrument :
MSVOA_N
ClientSampled :

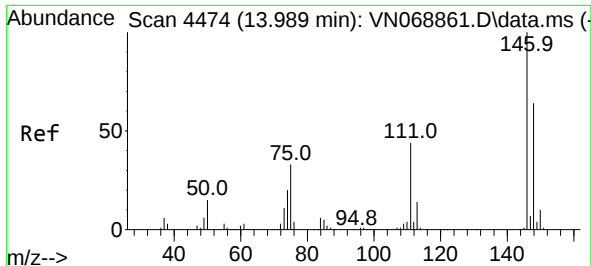
Tgt Ion:146 Resp: 2654
Ion Ratio Lower Upper
146 100
111 39.7 20.6 61.8
148 56.9 32.1 96.5



#89
n-Butylbenzene
Concen: 0.479 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 91 Resp: 6309
Ion Ratio Lower Upper
91 100
92 50.5 26.0 78.0
134 25.8 12.5 37.5

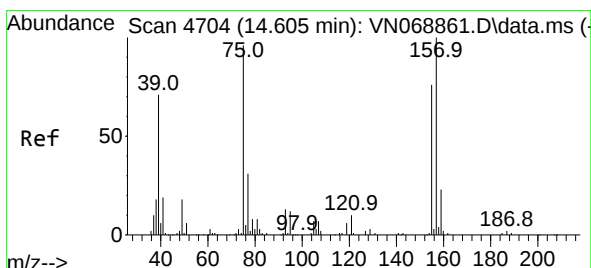
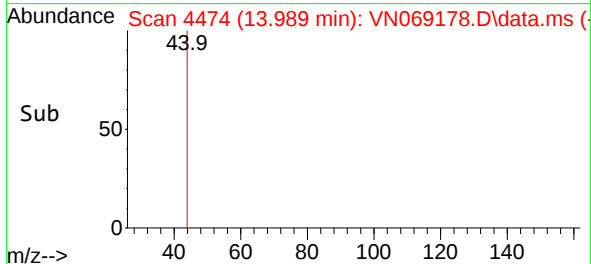
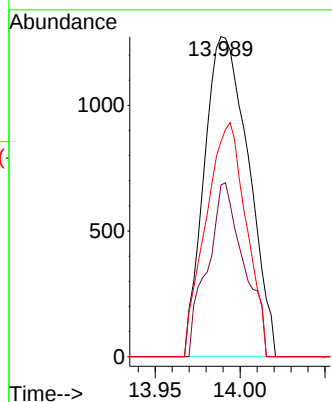
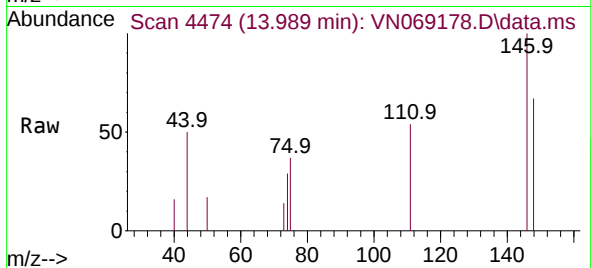




#91
1,2-Dichlorobenzene
Concen: 0.316 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

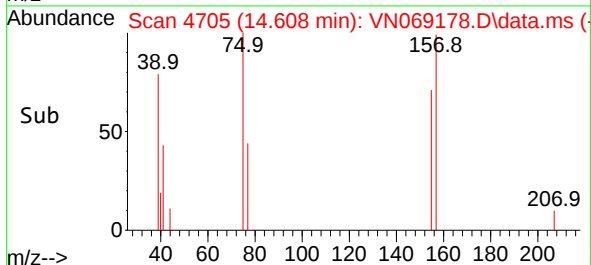
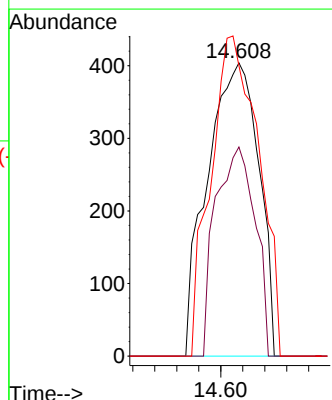
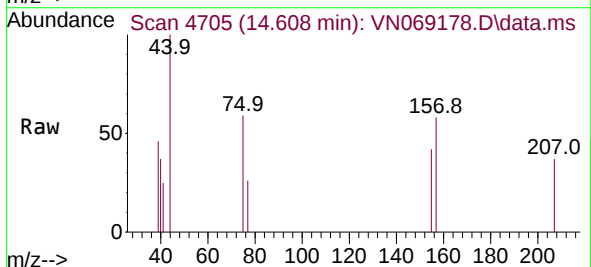
Instrument :
MSVOA_N
ClientSampled :

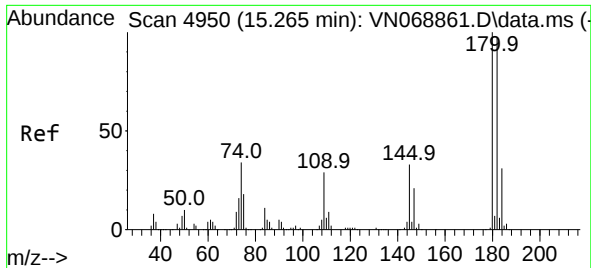
Tgt Ion:146 Resp: 2307
Ion Ratio Lower Upper
146 100
111 44.8 22.0 66.0
148 66.5 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.598 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion: 75 Resp: 655
Ion Ratio Lower Upper
75 100
155 54.8 38.8 116.4
157 102.0 50.2 150.6

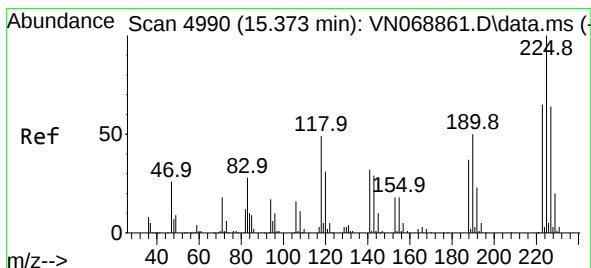
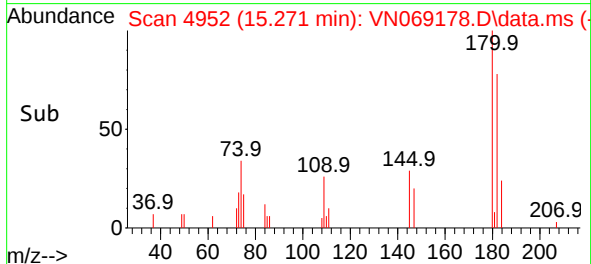
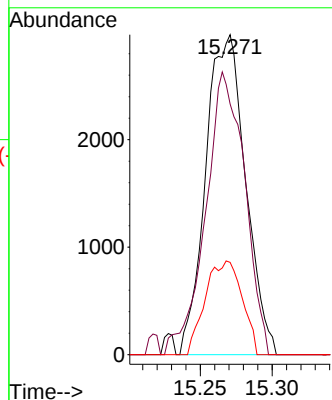
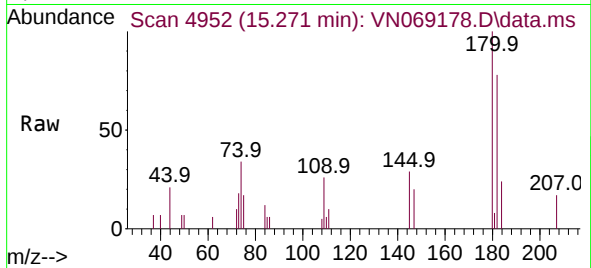




#93
1,2,4-Trichlorobenzene
Concen: 3.972 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

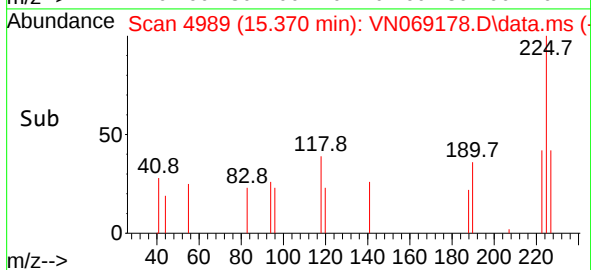
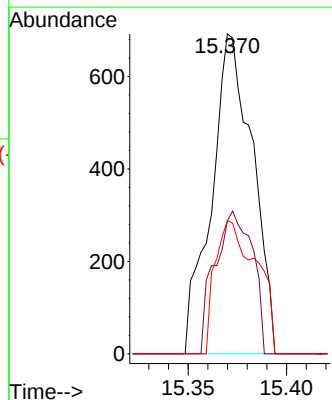
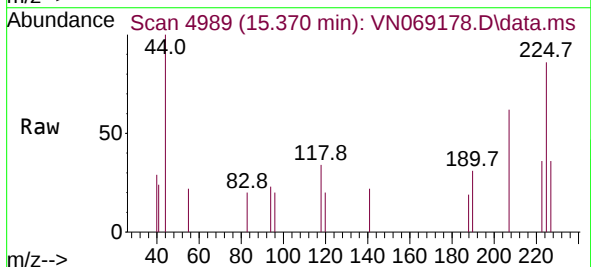
Instrument :
MSVOA_N
ClientSampleId :

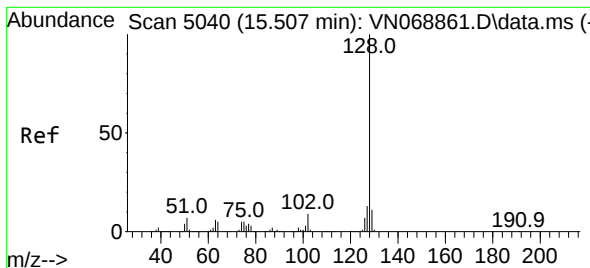
Tgt Ion:180 Resp: 5733
Ion Ratio Lower Upper
180 100
182 86.7 47.9 143.7
145 27.0 16.4 49.2



#94
Hexachlorobutadiene
Concen: 0.484 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion:225 Resp: 1006
Ion Ratio Lower Upper
225 100
223 40.8 31.5 94.5
227 41.6 31.6 94.7

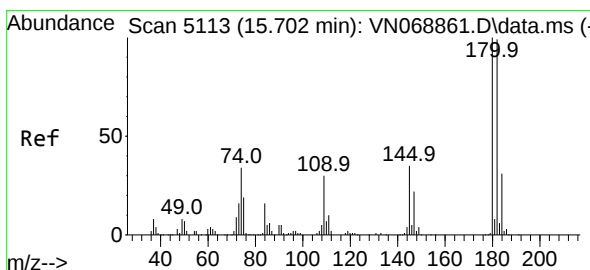
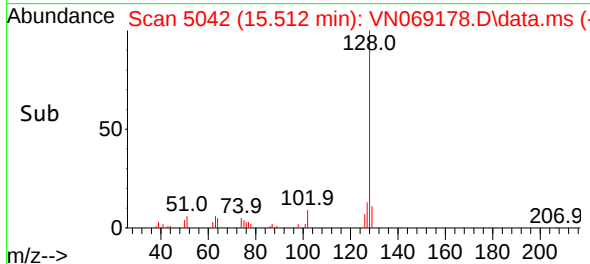
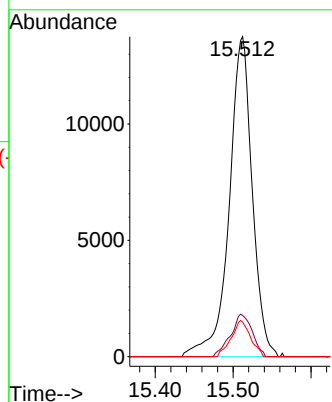
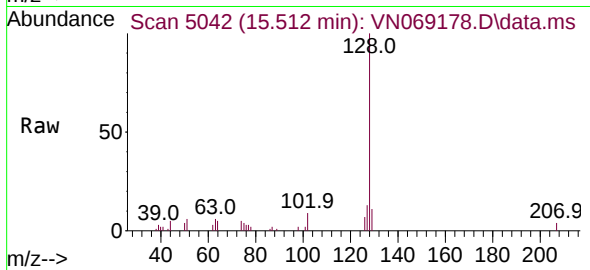




#95
Naphthalene
Concen: 6.196 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 28281
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 9.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.106 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069178.D
Acq: 26 Oct 2021 11:09

Tgt Ion:180 Resp: 6325
Ion Ratio Lower Upper
180 100
182 97.4 48.1 144.3
145 30.0 17.4 52.2

