

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012323\
 Data File : VN076356.D
 Acq On : 23 Jan 2023 10:51
 Operator : JC\MD
 Sample : VN0123MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123MBL01

Quant Time: Jan 23 12:59:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

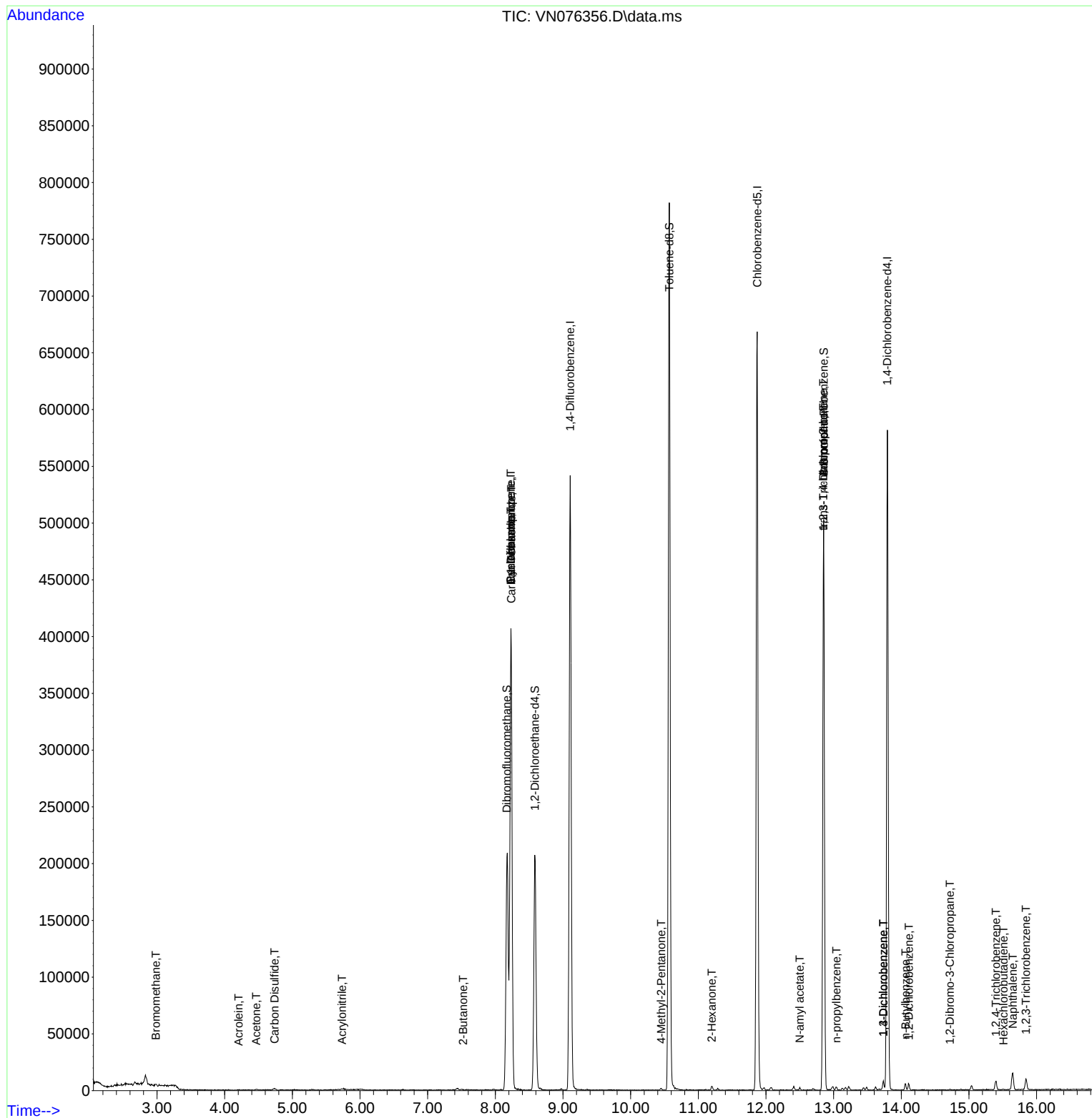
Internal Standards						
1) Pentafluorobenzene	8.230	168	303559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	491398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	403787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	169532	49.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.760%		
35) Dibromofluoromethane	8.171	113	152183	49.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	10.571	98	554976	48.887	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.780%		
62) 4-Bromofluorobenzene	12.853	95	164687	44.438	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	707	0.219	ug/l #	80
13) Acrolein	4.206	56	460	0.846	ug/l #	44
15) Acrylonitrile	5.736	53	603	0.466	ug/l #	33
16) Acetone	4.465	43	860	0.716	ug/l #	41
17) Carbon Disulfide	4.736	76	2103	0.290	ug/l #	73
20) Methylene Chloride	5.289	84	165	Below Cal	#	60
25) 2-Butanone	7.524	43	900	0.541	ug/l #	40
31) Cyclohexane	8.230	56	6235	1.194	ug/l #	5
36) 1,1-Dichloropropene	8.230	75	23030	5.273	ug/l #	49
38) Carbon Tetrachloride	8.235	117	31445	6.456	ug/l #	17
51) 4-Methyl-2-Pentanone	10.453	43	1346	0.402	ug/l #	77
59) 2-Hexanone	11.200	43	2488	1.026	ug/l	88
71) Bromoform	12.853	173	1299	0.566	ug/l #	1
74) N-amyl acetate	12.500	43	1101	0.311	ug/l #	87
76) 1,2,3-Trichloropropane	12.847	75	87474	29.818	ug/l #	1
77) Bromobenzene	12.982	156	1142	Below Cal		70
78) n-propylbenzene	13.041	91	3102	0.224	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.847	75	87474	91.540	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	2737	0.472	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	2737	0.597	ug/l	95
89) n-Butylbenzene	14.064	91	3925	0.473	ug/l	98
91) 1,2-Dichlorobenzene	14.111	146	2619	0.454	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	133	0.216	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.400	180	3515	2.532	ug/l	97
94) Hexachlorobutadiene	15.511	225	309	0.202	ug/l #	38
95) Naphthalene	15.647	128	16218	3.730	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	4256	2.717	ug/l	94

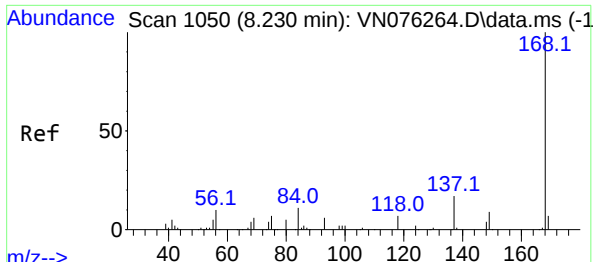
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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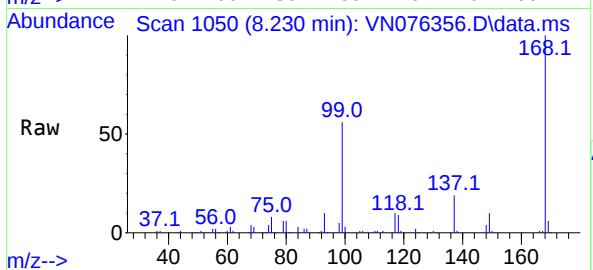
Quant Time: Jan 23 12:59:29 2023
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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
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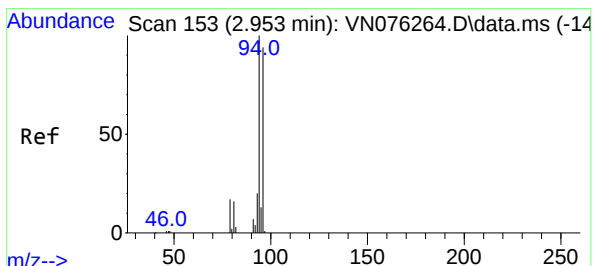
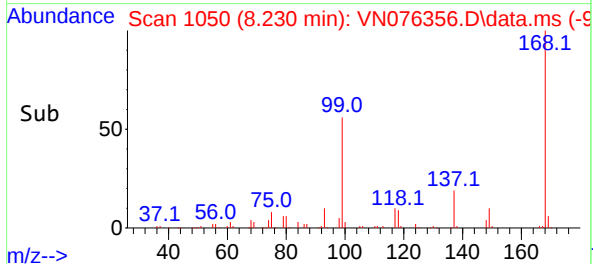
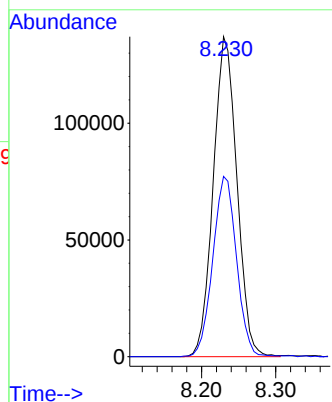


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076356.D
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Instrument :
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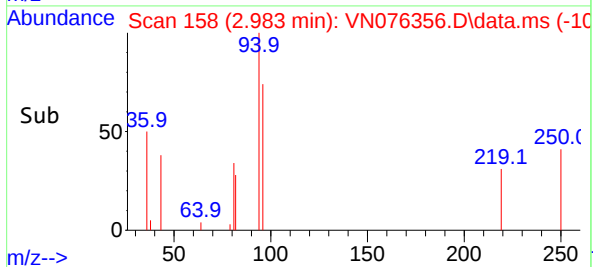
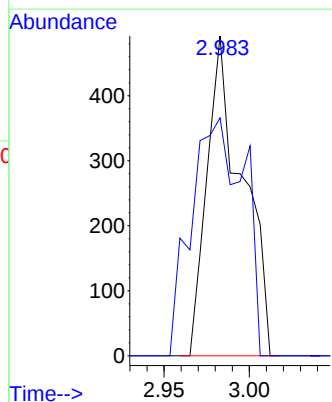
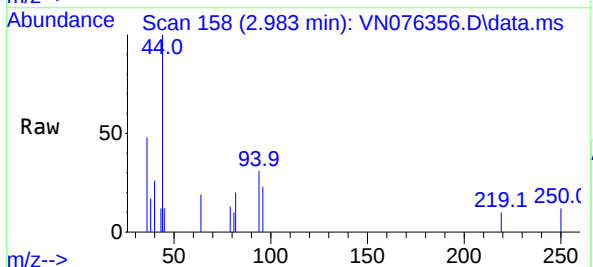


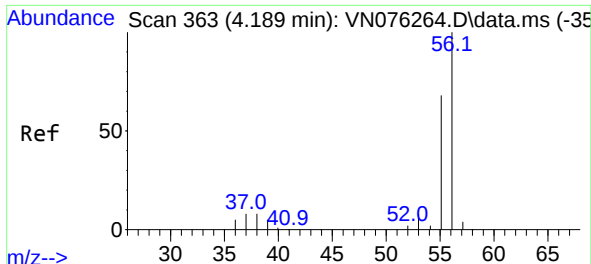
Tgt Ion:168 Resp: 303559
Ion Ratio Lower Upper
168 100
99 56.4 41.6 62.4



#5
Bromomethane
Concen: 0.219 ug/l
RT: 2.983 min Scan# 158
Delta R.T. 0.030 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 94 Resp: 707
Ion Ratio Lower Upper
94 100
96 74.4 75.1 112.7#

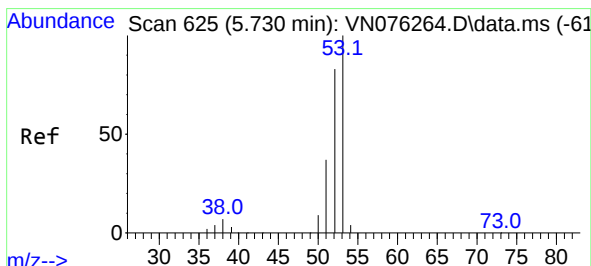
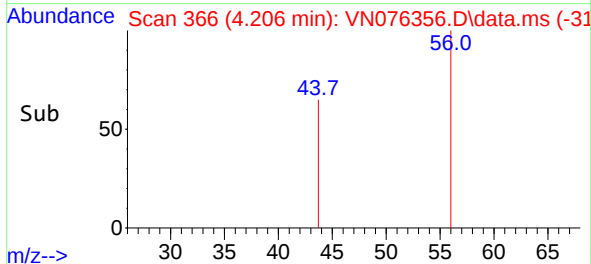
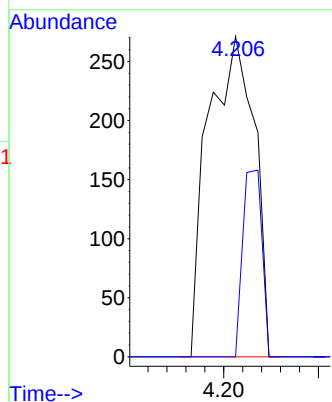
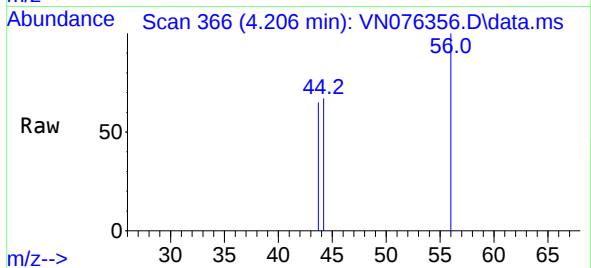




#13
Acrolein
Concen: 0.846 ug/l
RT: 4.206 min Scan# 366
Delta R.T. 0.017 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

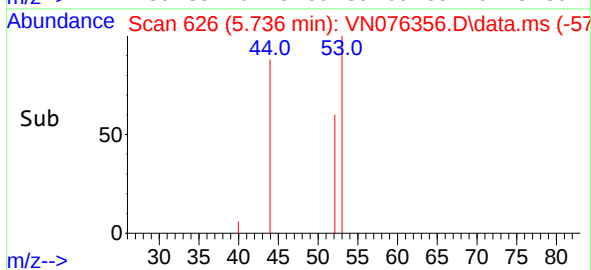
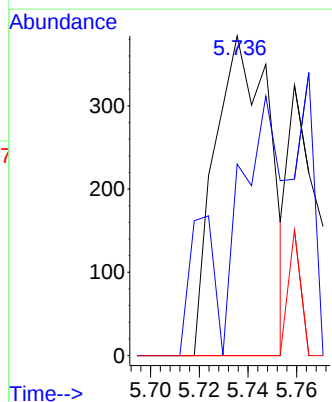
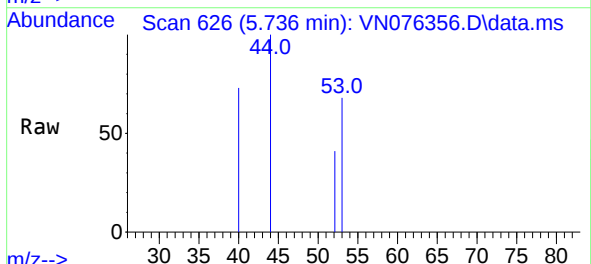
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

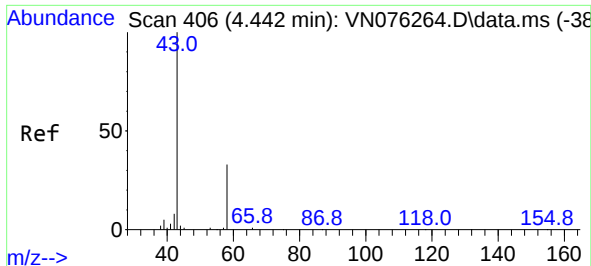
Tgt Ion: 56 Resp: 460
Ion Ratio Lower Upper
56 100
55 24.1 55.8 83.6#



#15
Acrylonitrile
Concen: 0.466 ug/l
RT: 5.736 min Scan# 626
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 53 Resp: 603
Ion Ratio Lower Upper
53 100
52 19.2 64.7 97.1#
51 0.0 29.2 43.8#

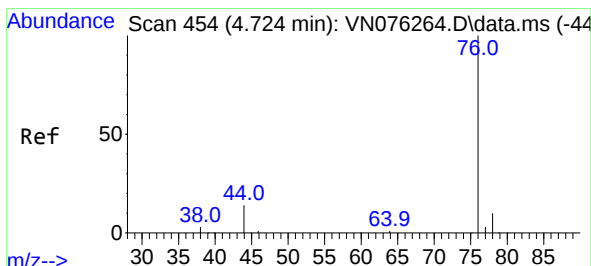
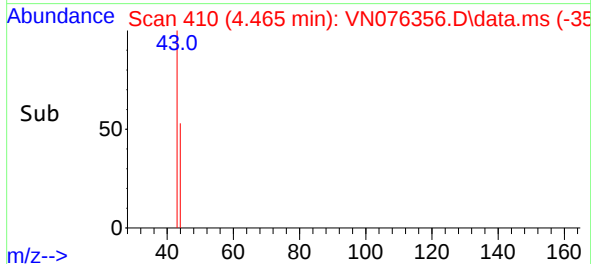
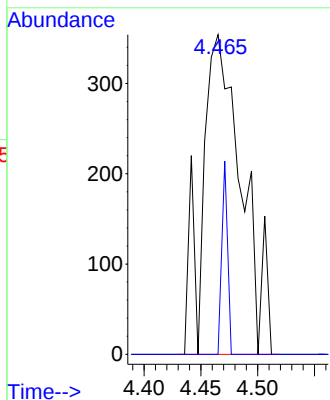
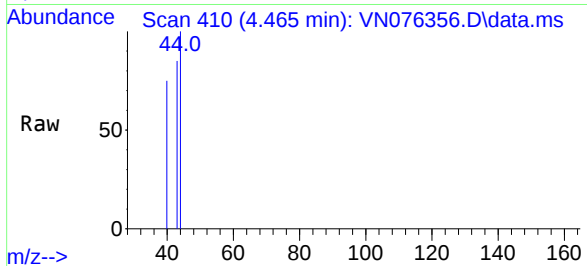




#16
Acetone
Concen: 0.716 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

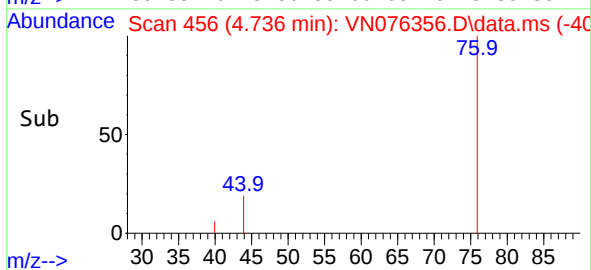
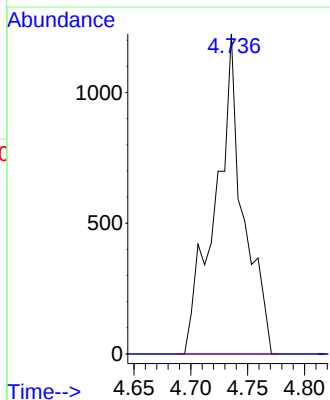
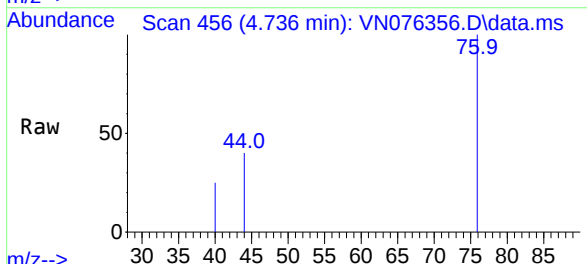
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

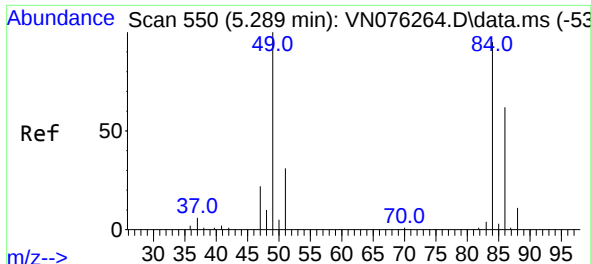
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 4.736 min Scan# 456
Delta R.T. 0.012 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

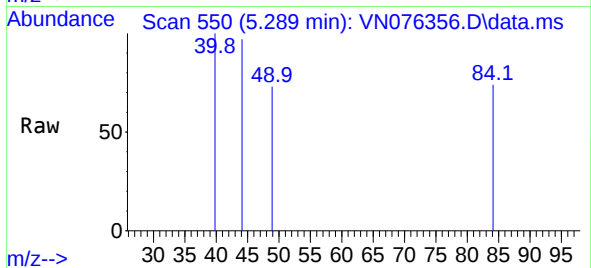
Tgt Ion: 76 Resp: 2103
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



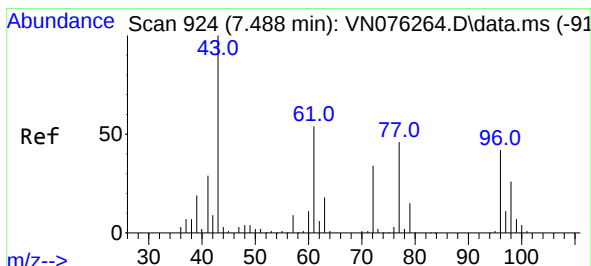
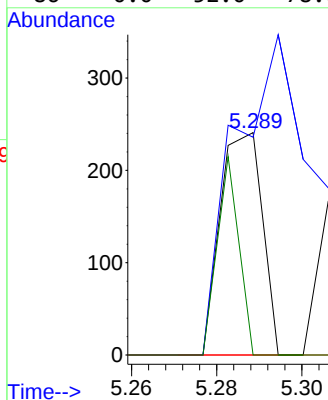
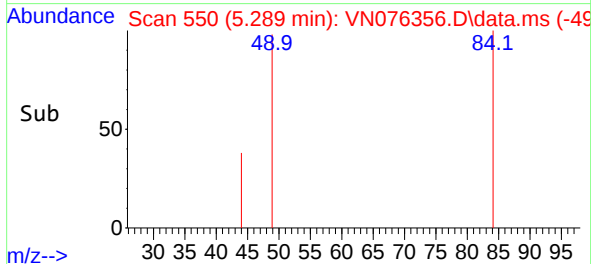


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

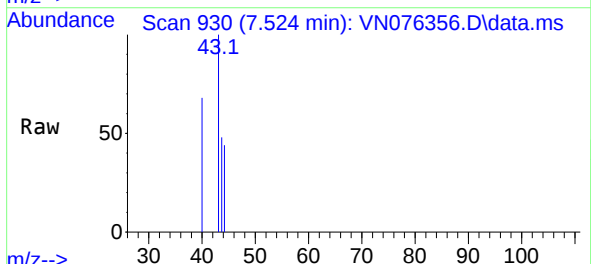
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01



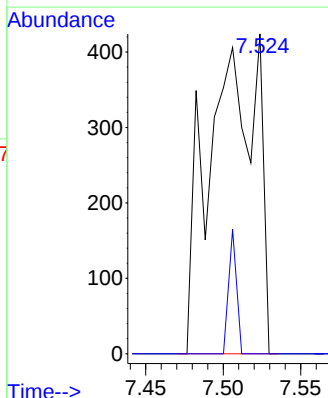
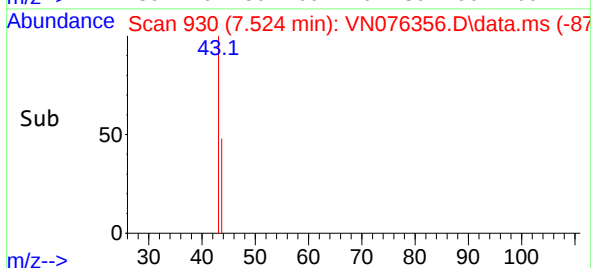
Tgt Ion: 84 Resp: 165
Ion Ratio Lower Upper
84 100
49 97.9 84.5 126.7
51 0.0 26.0 39.0#
86 0.0 52.0 78.0#

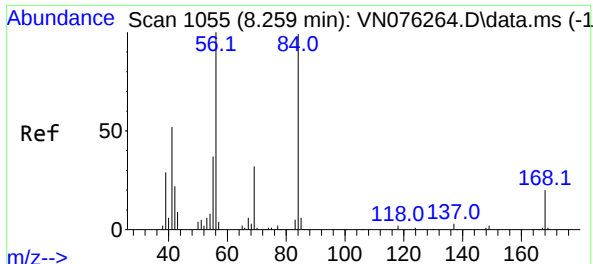


#25
2-Butanone
Concen: 0.541 ug/l
RT: 7.524 min Scan# 930
Delta R.T. 0.036 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51



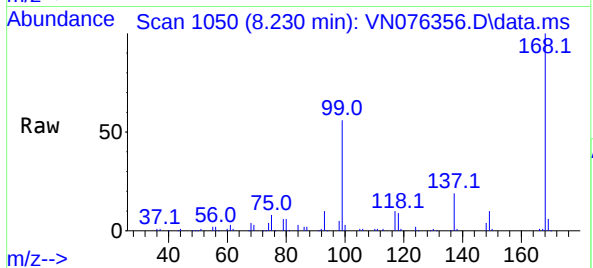
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#



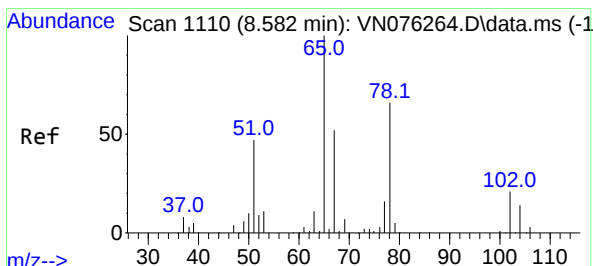
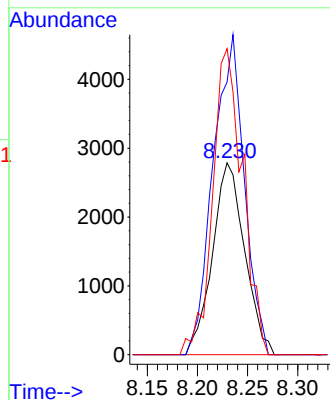
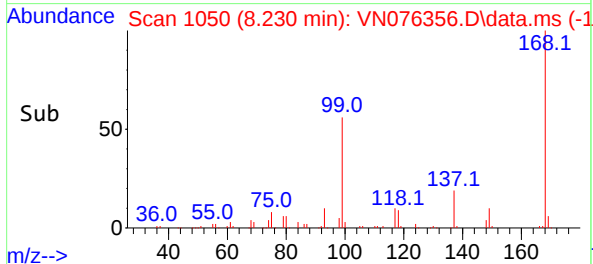


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

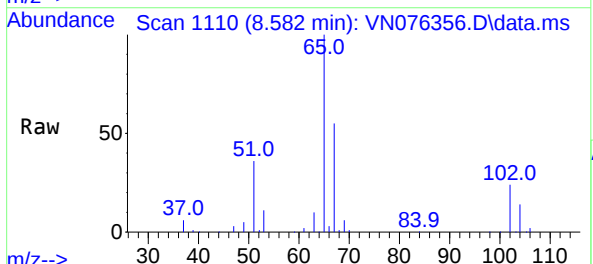
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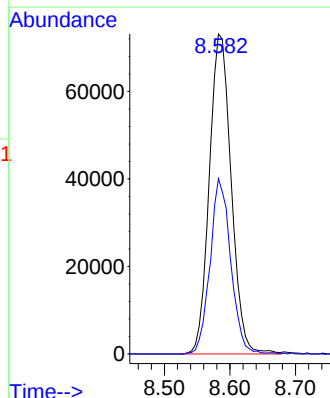
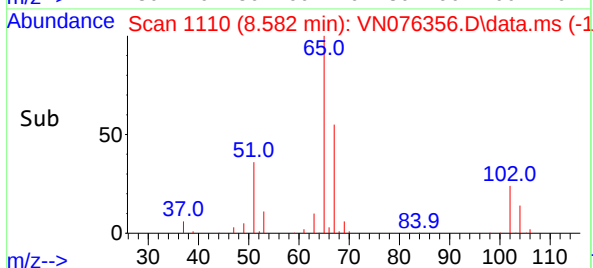
Tgt Ion: 56 Resp: 6235
Ion Ratio Lower Upper
56 100
69 142.2 25.8 38.8#
84 159.5 79.0 118.4#

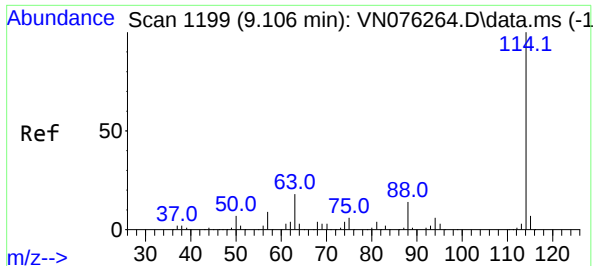


#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51



Tgt Ion: 65 Resp: 169532
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

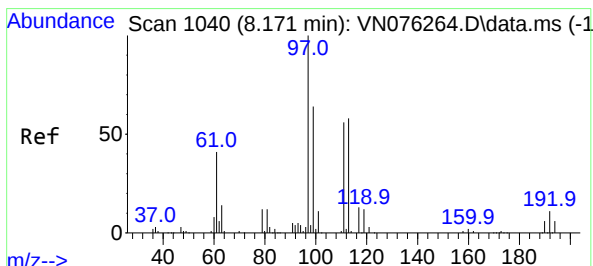
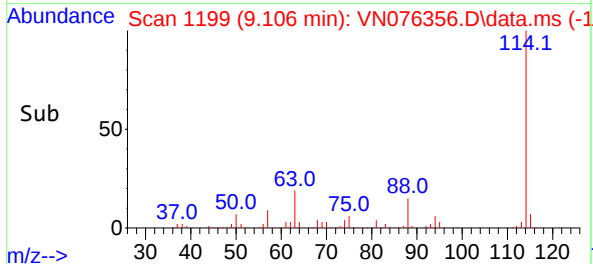
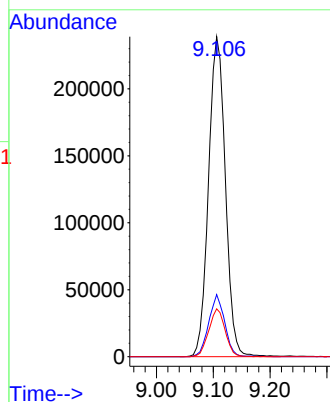
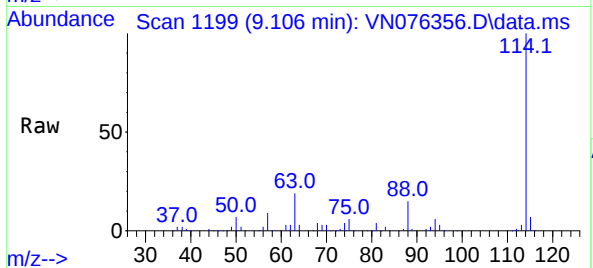




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

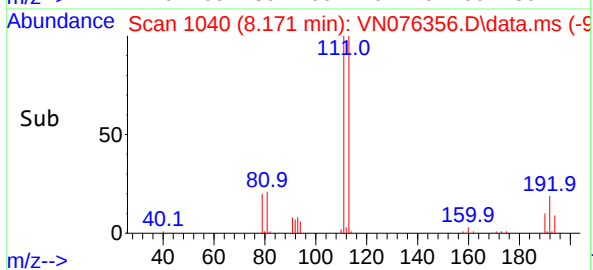
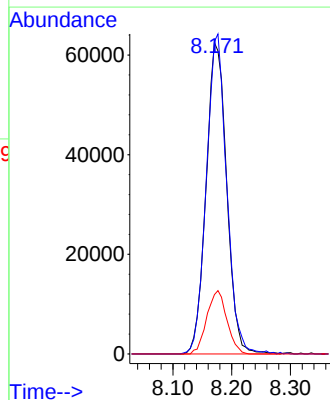
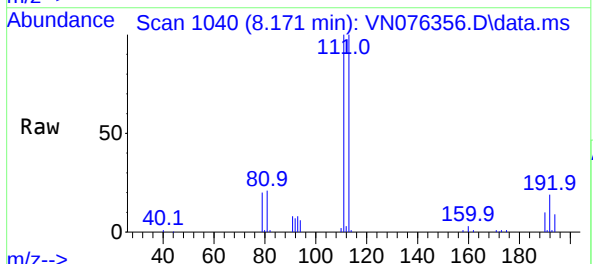
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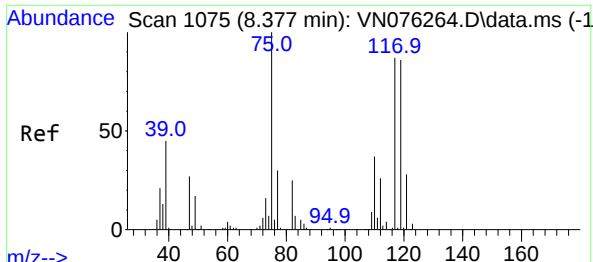
Tgt Ion:114 Resp: 491398
Ion Ratio Lower Upper
114 100
63 19.4 0.0 35.8
88 15.0 0.0 28.0



#35
Dibromofluoromethane
Concen: 49.508 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion:113 Resp: 152183
Ion Ratio Lower Upper
113 100
111 101.2 82.7 124.1
192 19.8 15.6 23.4

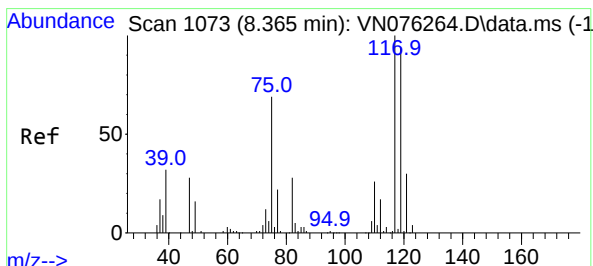
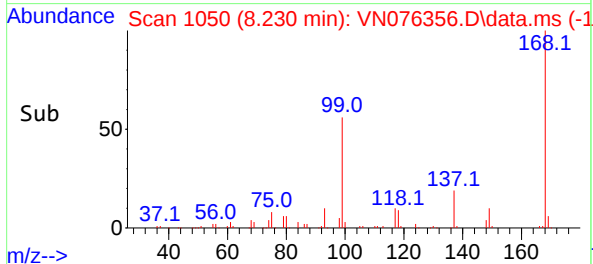
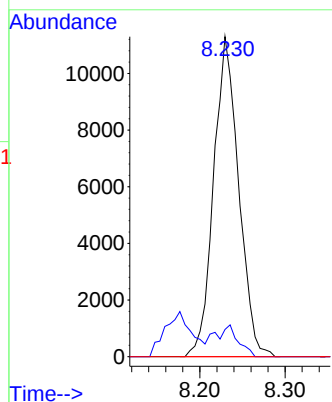
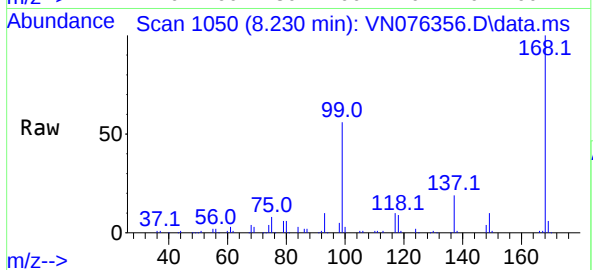




#36
1,1-Dichloropropene
Concen: 5.273 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

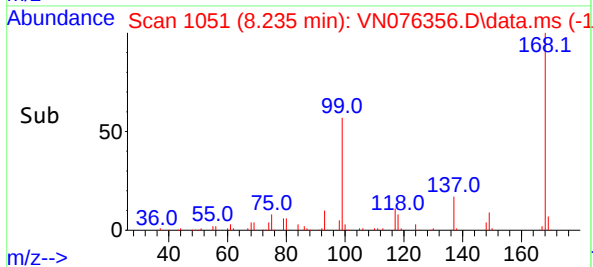
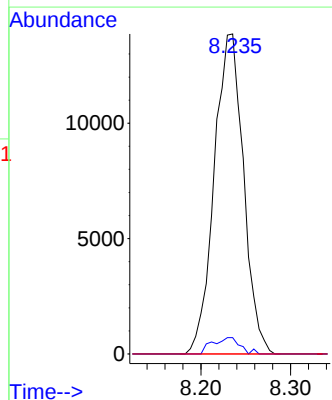
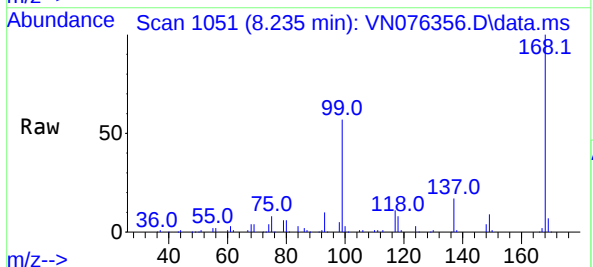
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MSVOA_N
ClientSampleId :
VN0123MBL01

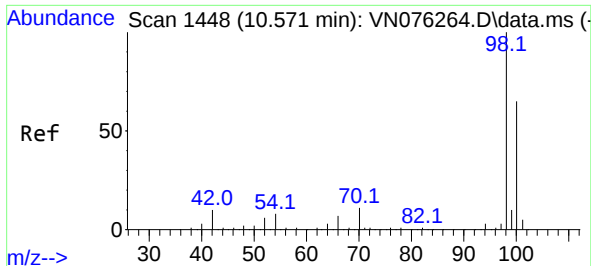
Tgt Ion: 75 Resp: 23030
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.456 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 117 Resp: 31445
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 24.2 36.2#

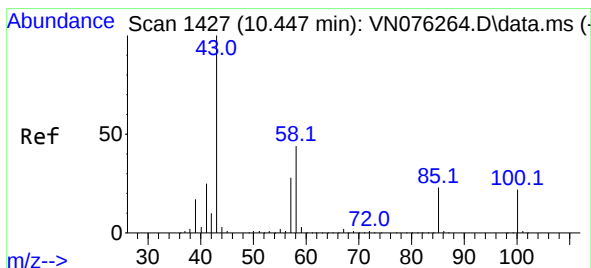
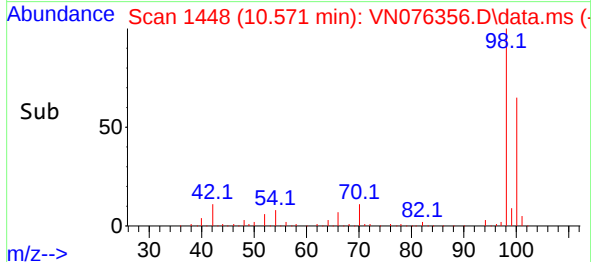
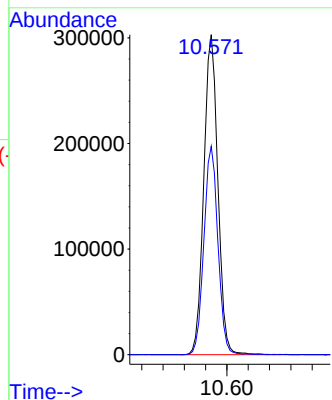
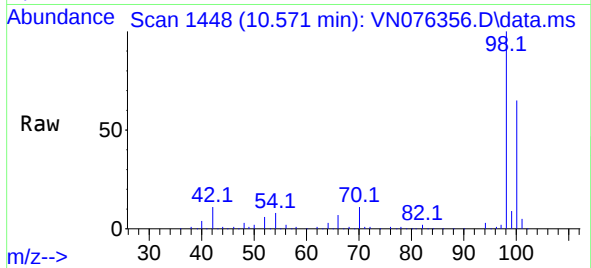




#50
Toluene-d8
Concen: 48.887 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

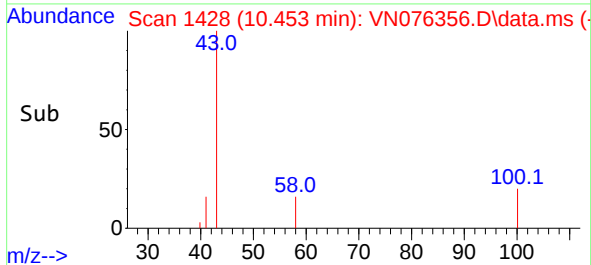
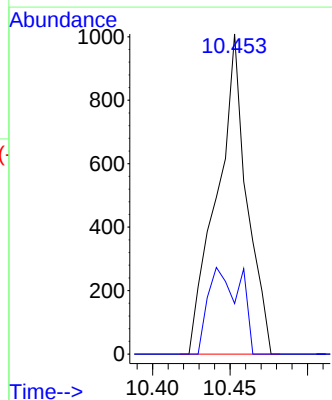
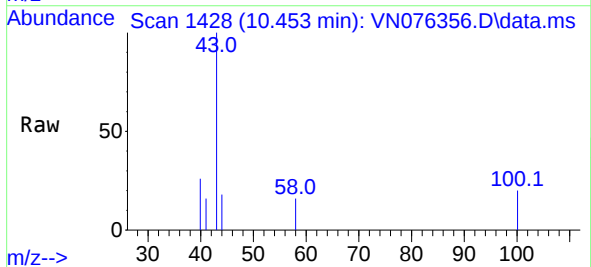
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

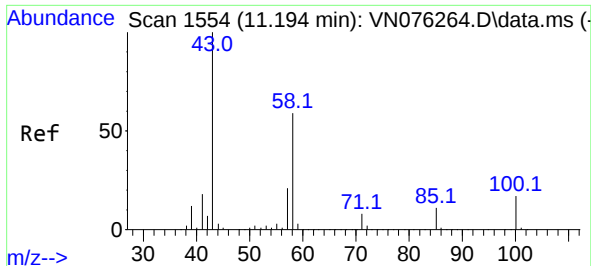
Tgt Ion: 98 Resp: 554976
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.402 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
58 29.0 35.1 52.7#

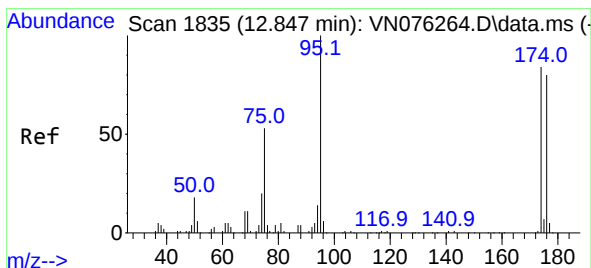
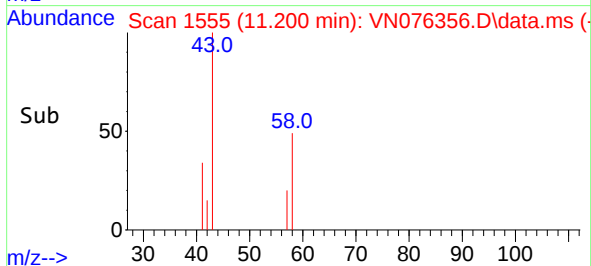
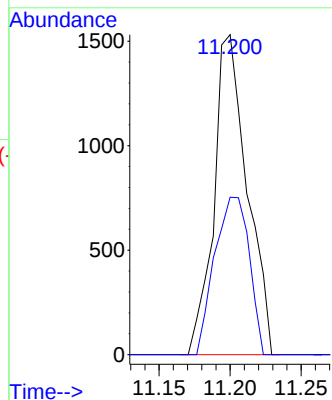
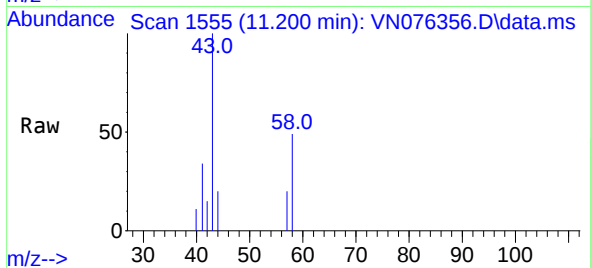




#59
2-Hexanone
Concen: 1.026 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

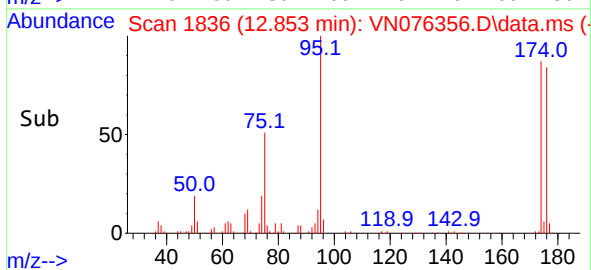
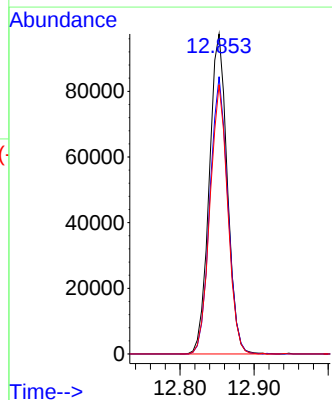
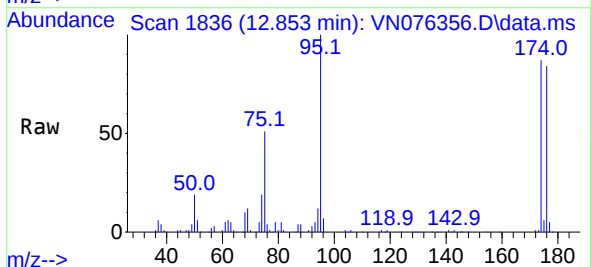
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

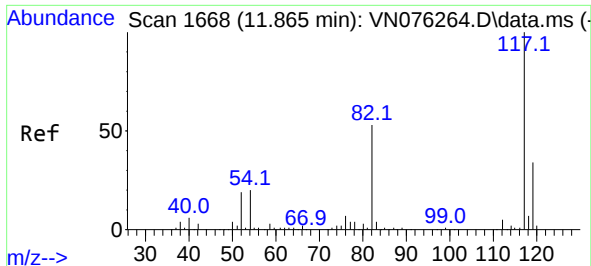
Tgt Ion: 43 Resp: 2488
Ion Ratio Lower Upper
43 100
58 51.3 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 44.438 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 95 Resp: 164687
Ion Ratio Lower Upper
95 100
174 85.6 0.0 174.6
176 82.4 0.0 167.8

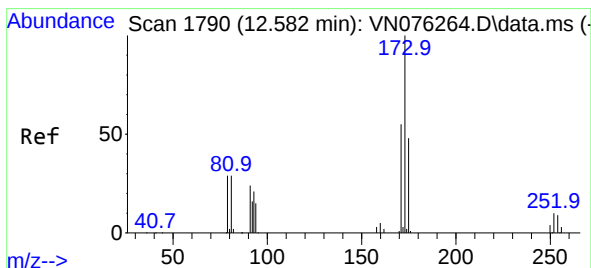
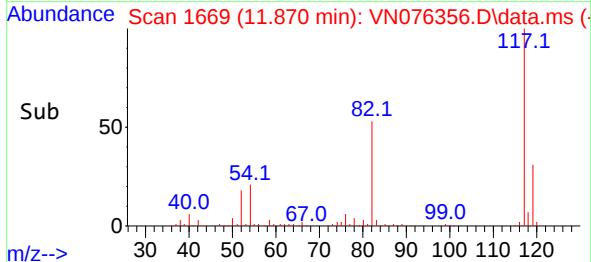
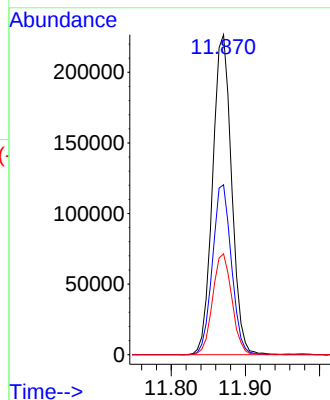
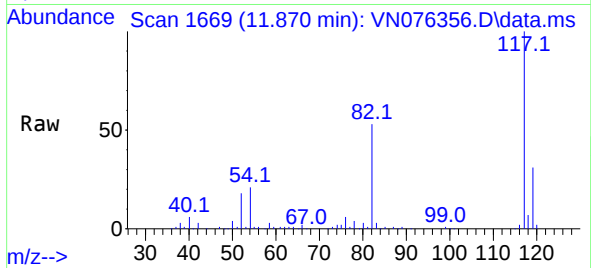




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

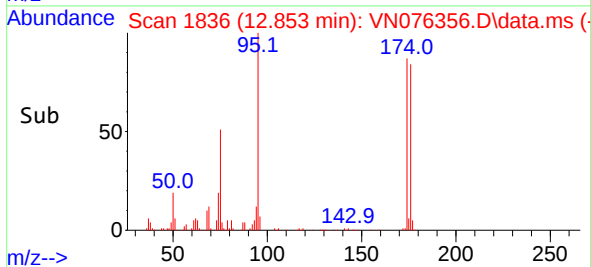
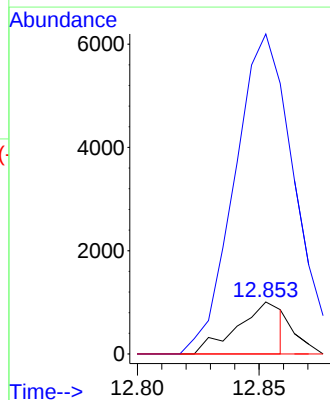
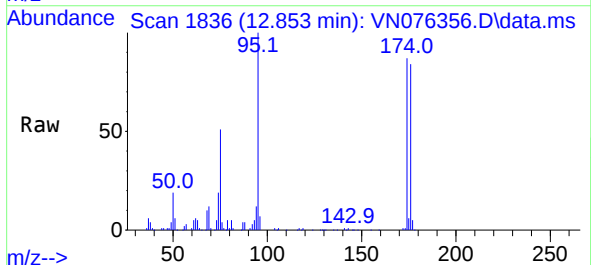
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

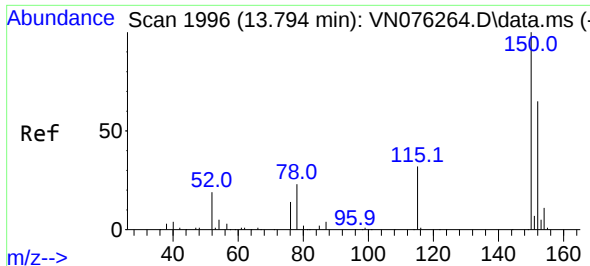
Tgt Ion:117 Resp: 403787
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 31.5 26.9 40.3



#71
Bromoform
Concen: 0.566 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion:173 Resp: 1299
Ion Ratio Lower Upper
173 100
175 645.5 24.1 72.4#
254 0.0 0.0 0.0

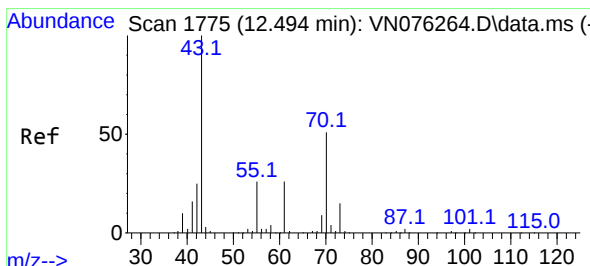
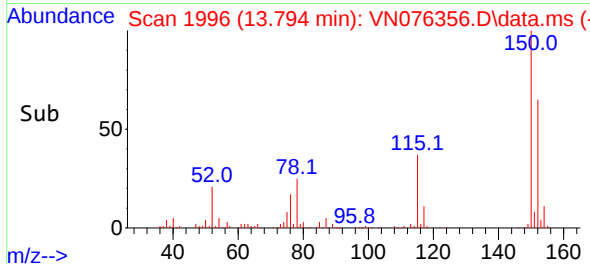
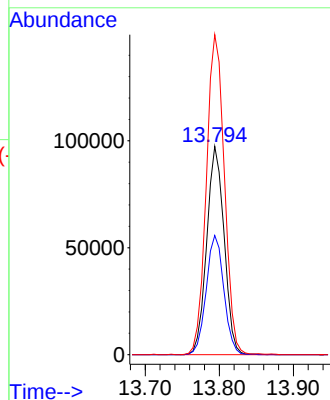
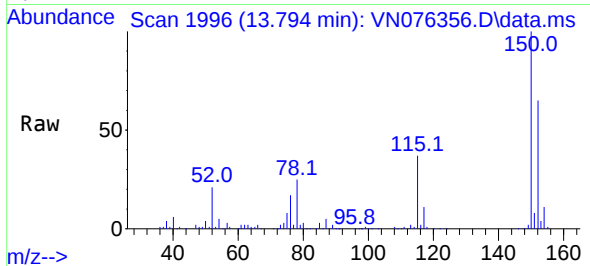




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

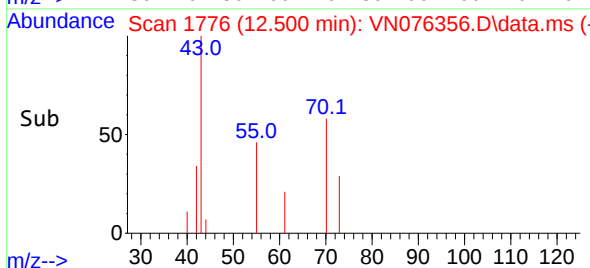
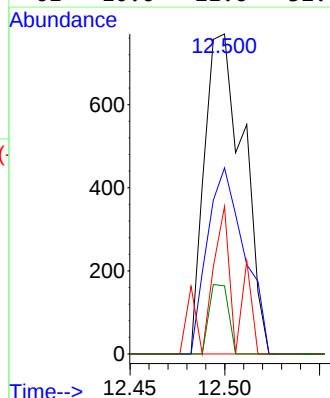
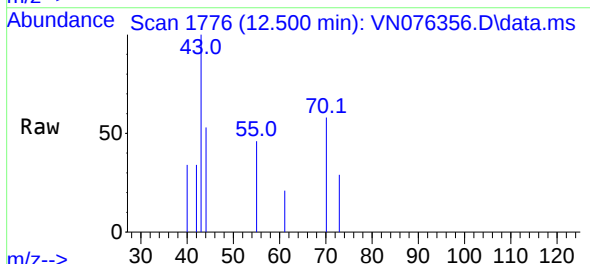
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

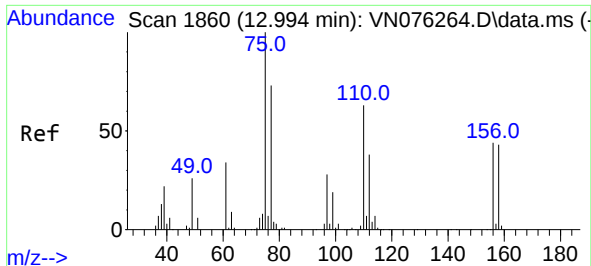
Tgt Ion:152 Resp: 158993
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.9
150 159.3 0.0 351.4



#74
N-ethyl acetate
Concen: 0.311 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
70 55.8 41.2 61.8
55 30.5 21.0 31.6
61 10.6 21.6 32.4

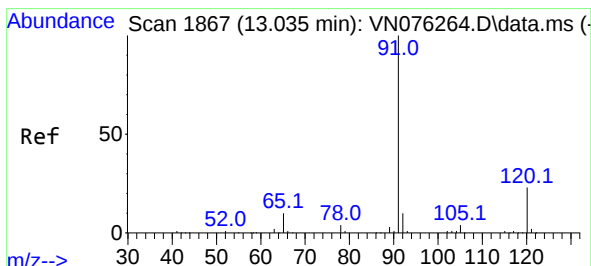
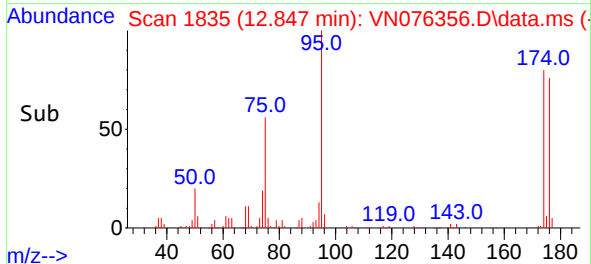
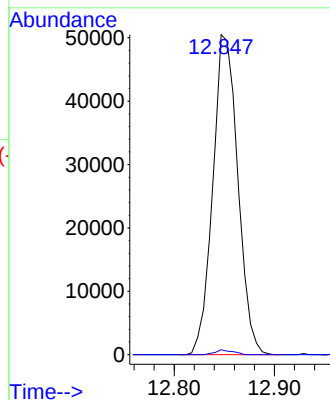
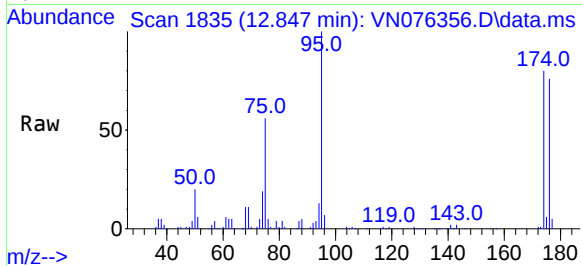




#76
1,2,3-Trichloropropane
Concen: 29.818 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

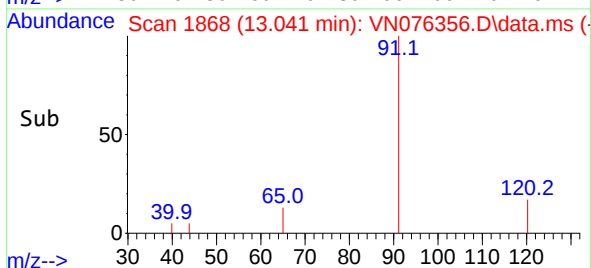
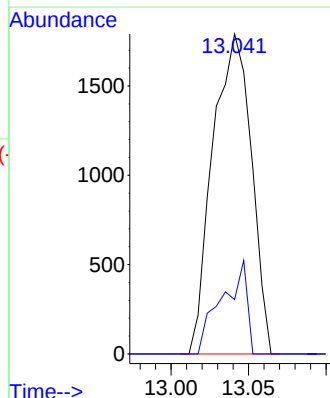
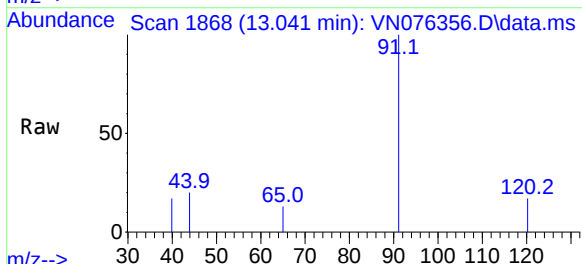
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

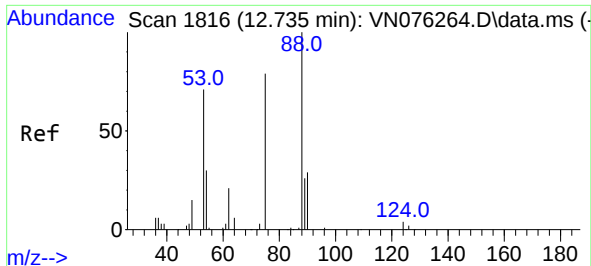
Tgt Ion: 75 Resp: 87474
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#78
n-propylbenzene
Concen: 0.224 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 91 Resp: 3102
Ion Ratio Lower Upper
91 100
120 19.0 11.9 35.5

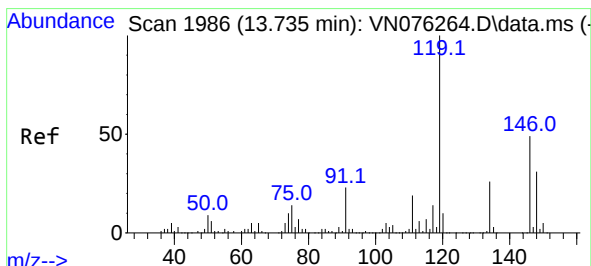
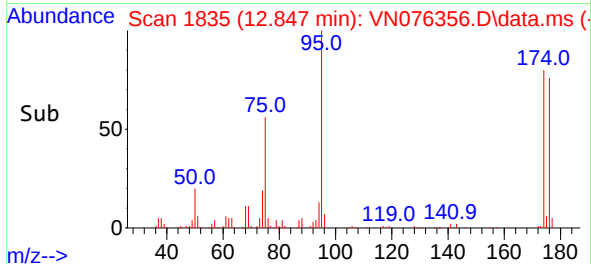
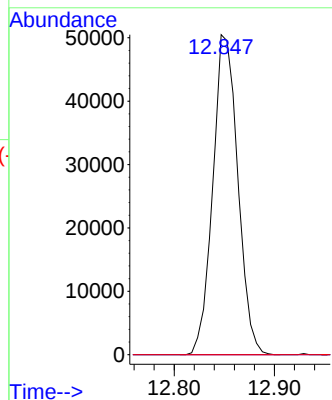
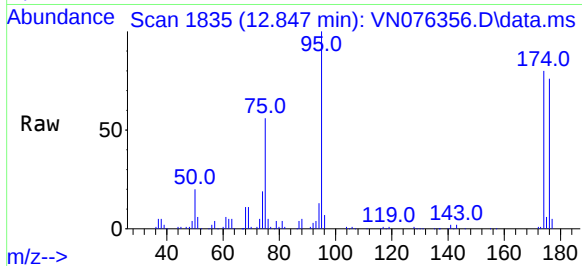




#81
trans-1,4-Dichloro-2-butene
Concen: 91.540 ug/l
RT: 12.847 min Scan# 1816
Delta R.T. 0.112 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

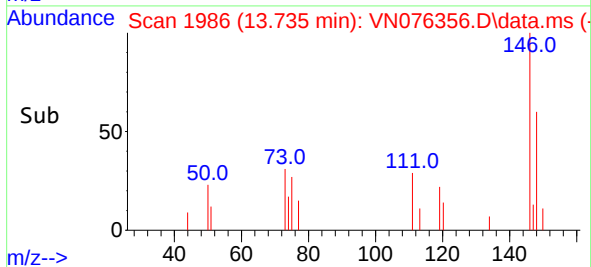
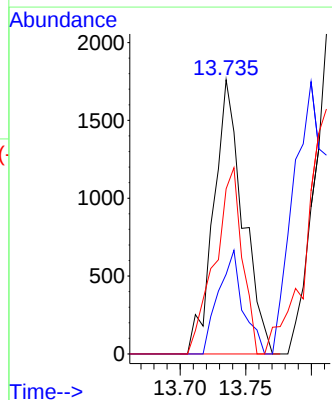
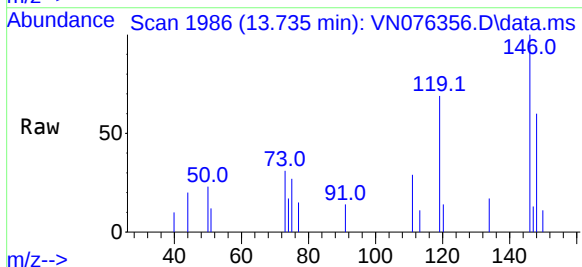
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

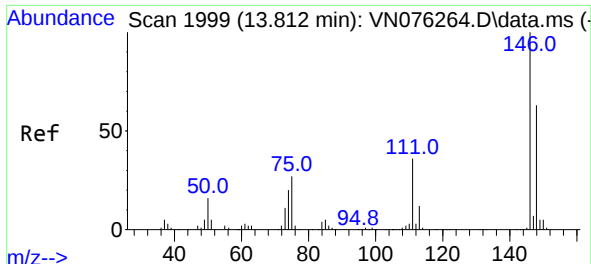
Tgt Ion: 75 Resp: 87474
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.472 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion:146 Resp: 2737
Ion Ratio Lower Upper
146 100
111 31.7 19.9 59.7
148 63.2 31.6 94.8

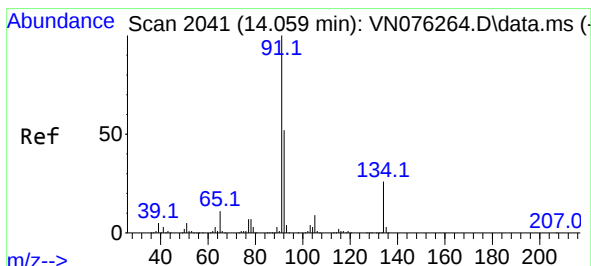
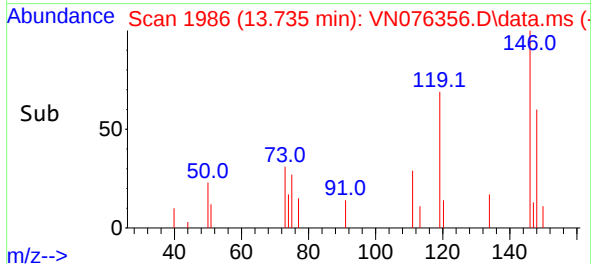
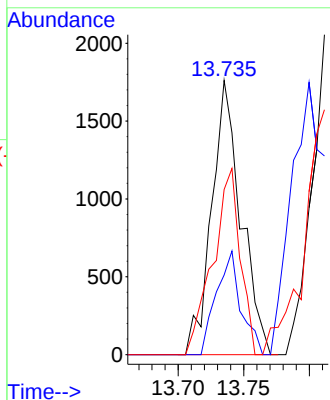
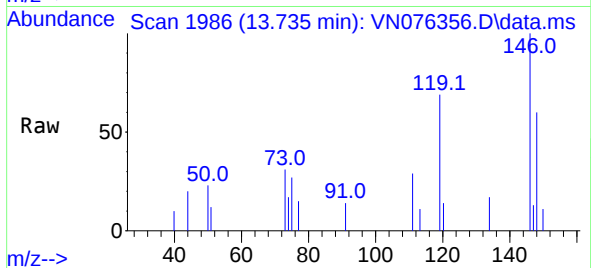




#88
1,4-Dichlorobenzene
Concen: 0.597 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

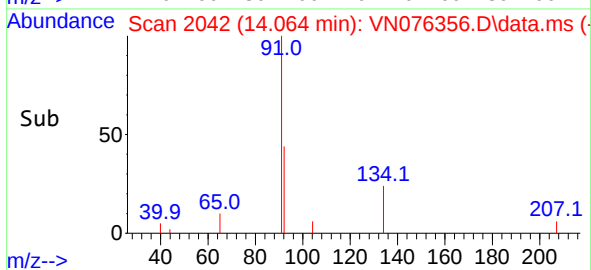
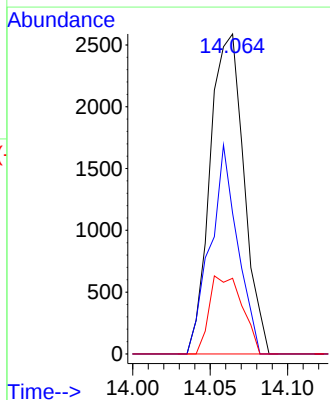
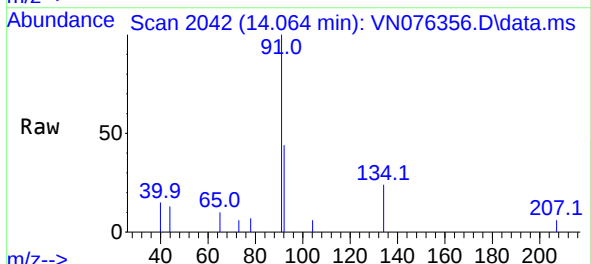
Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

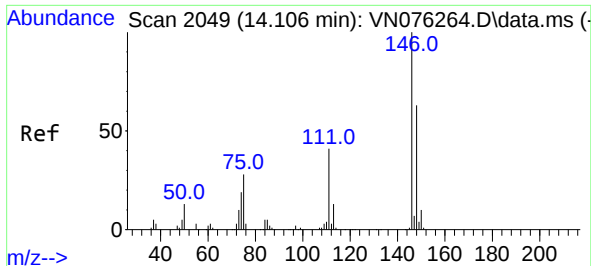
Tgt Ion:146 Resp: 2737
Ion Ratio Lower Upper
146 100
111 31.7 19.1 57.5
148 63.2 31.9 95.9



#89
n-Butylbenzene
Concen: 0.473 ug/l
RT: 14.064 min Scan# 2042
Delta R.T. 0.005 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion: 91 Resp: 3925
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 23.7 13.2 39.5





#91

1,2-Dichlorobenzene

Concen: 0.454 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.005 min

Lab File: VN076356.D

Acq: 23 Jan 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0123MBL01

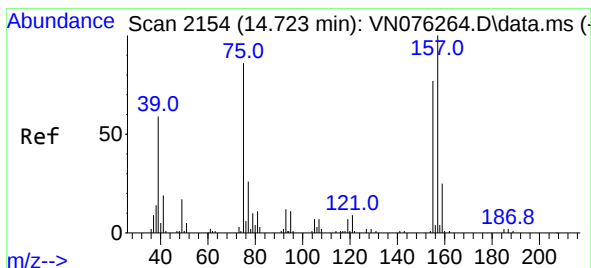
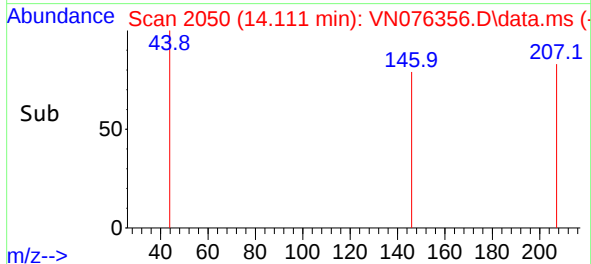
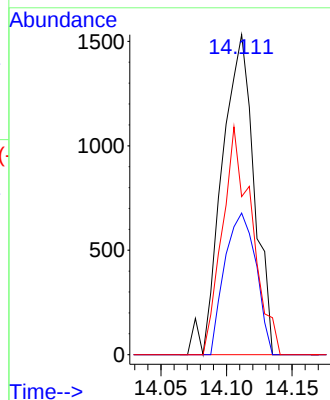
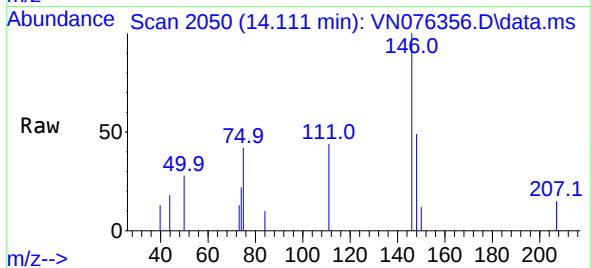
Tgt Ion:146 Resp: 2619

Ion Ratio Lower Upper

146 100

111 43.0 20.3 60.8

148 65.4 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.216 ug/l

RT: 14.717 min Scan# 2153

Delta R.T. -0.006 min

Lab File: VN076356.D

Acq: 23 Jan 2023 10:51

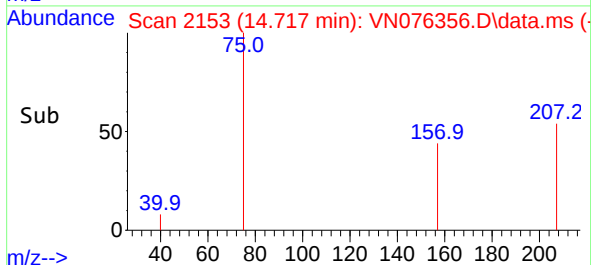
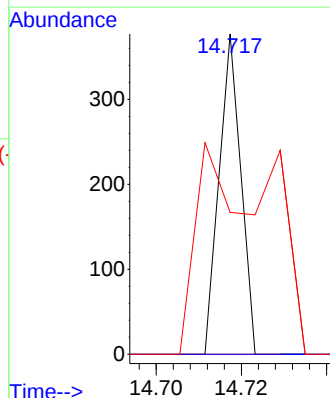
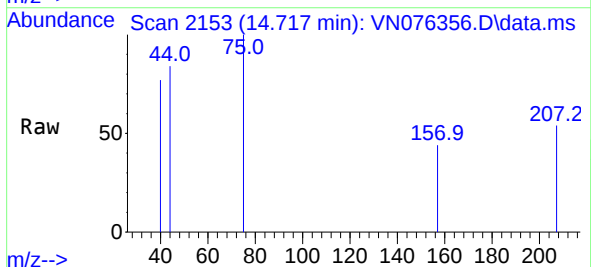
Tgt Ion: 75 Resp: 133

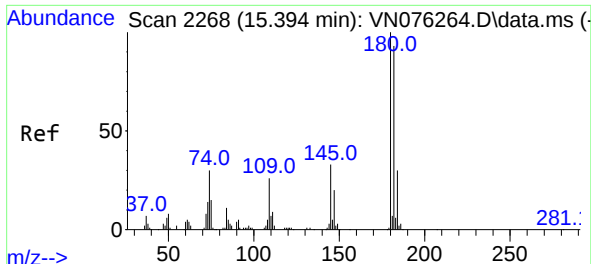
Ion Ratio Lower Upper

75 100

155 0.0 45.0 135.0#

157 217.3 58.3 174.9#





#93

1,2,4-Trichlorobenzene

Concen: 2.532 ug/l

RT: 15.400 min Scan# 2268

Delta R.T. 0.006 min

Lab File: VN076356.D

Acq: 23 Jan 2023 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0123MBL01

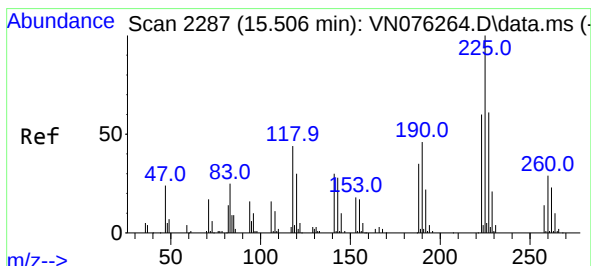
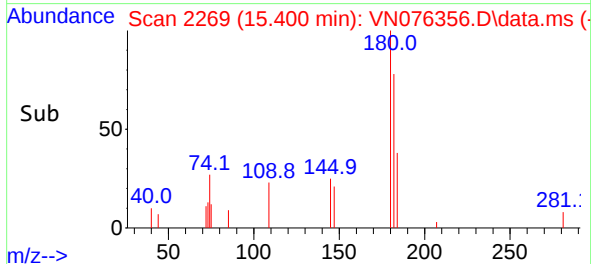
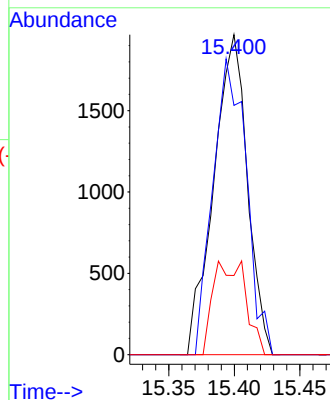
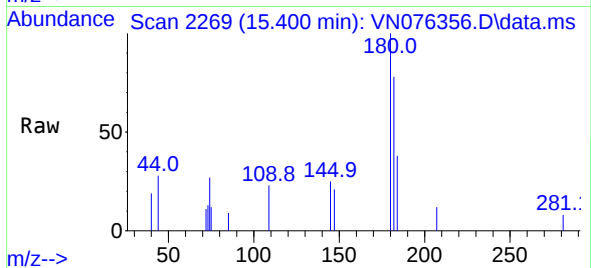
Tgt Ion:180 Resp: 3515

Ion Ratio Lower Upper

180 100

182 91.8 47.0 141.2

145 28.2 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.202 ug/l

RT: 15.511 min Scan# 2288

Delta R.T. 0.005 min

Lab File: VN076356.D

Acq: 23 Jan 2023 10:51

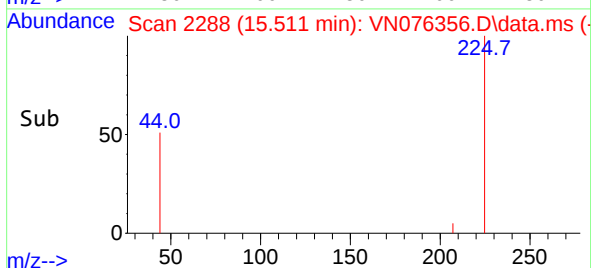
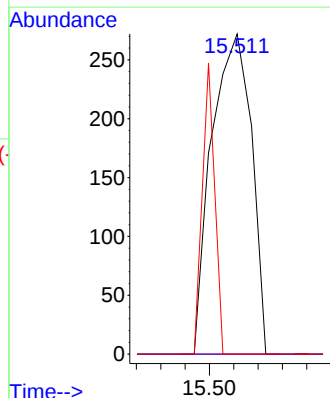
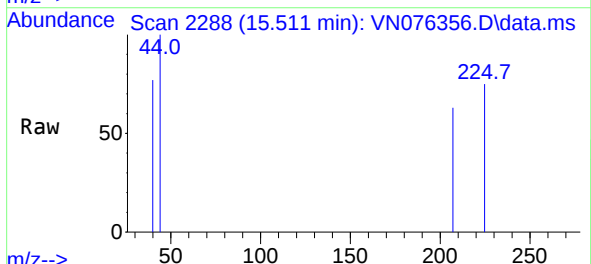
Tgt Ion:225 Resp: 309

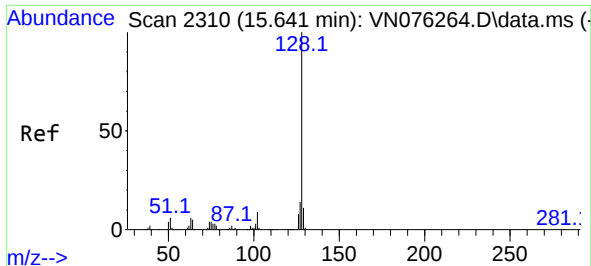
Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.3#

227 28.2 30.9 92.8#

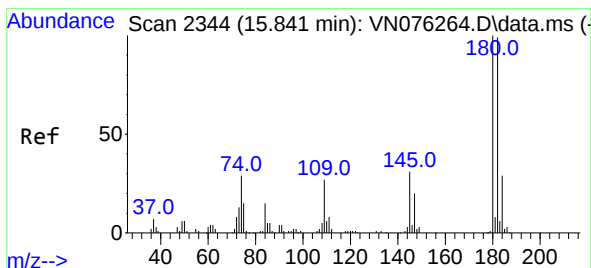
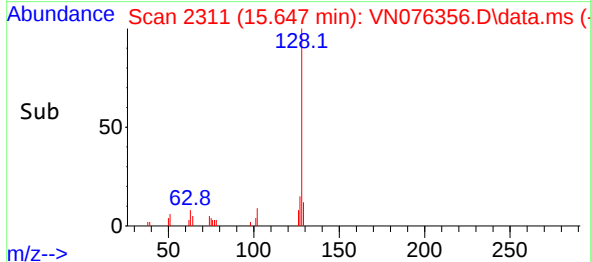
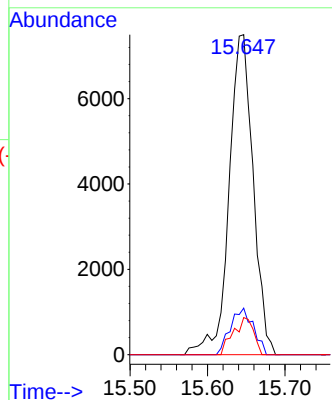
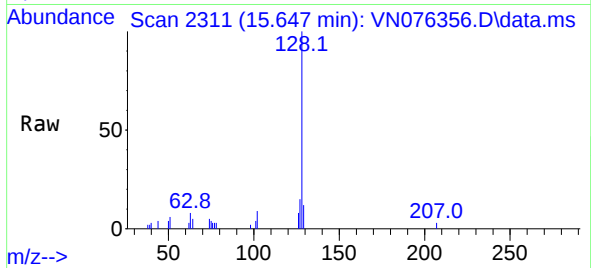




#95
Naphthalene
Concen: 3.730 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0123MBL01

Tgt Ion:	128	Resp:	16218
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	9.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.717 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN076356.D
Acq: 23 Jan 2023 10:51

Tgt Ion:	180	Resp:	4256
Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.5	142.5
145	27.3	15.9	47.6

