

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
 Data File : VN076352.D
 Acq On : 20 Jan 2023 18:06
 Operator : JC\MD
 Sample : 01258-01MEDL 20X
 Misc : 4.22g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-VOA-2DL

Quant Time: Jan 20 22:19:34 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)

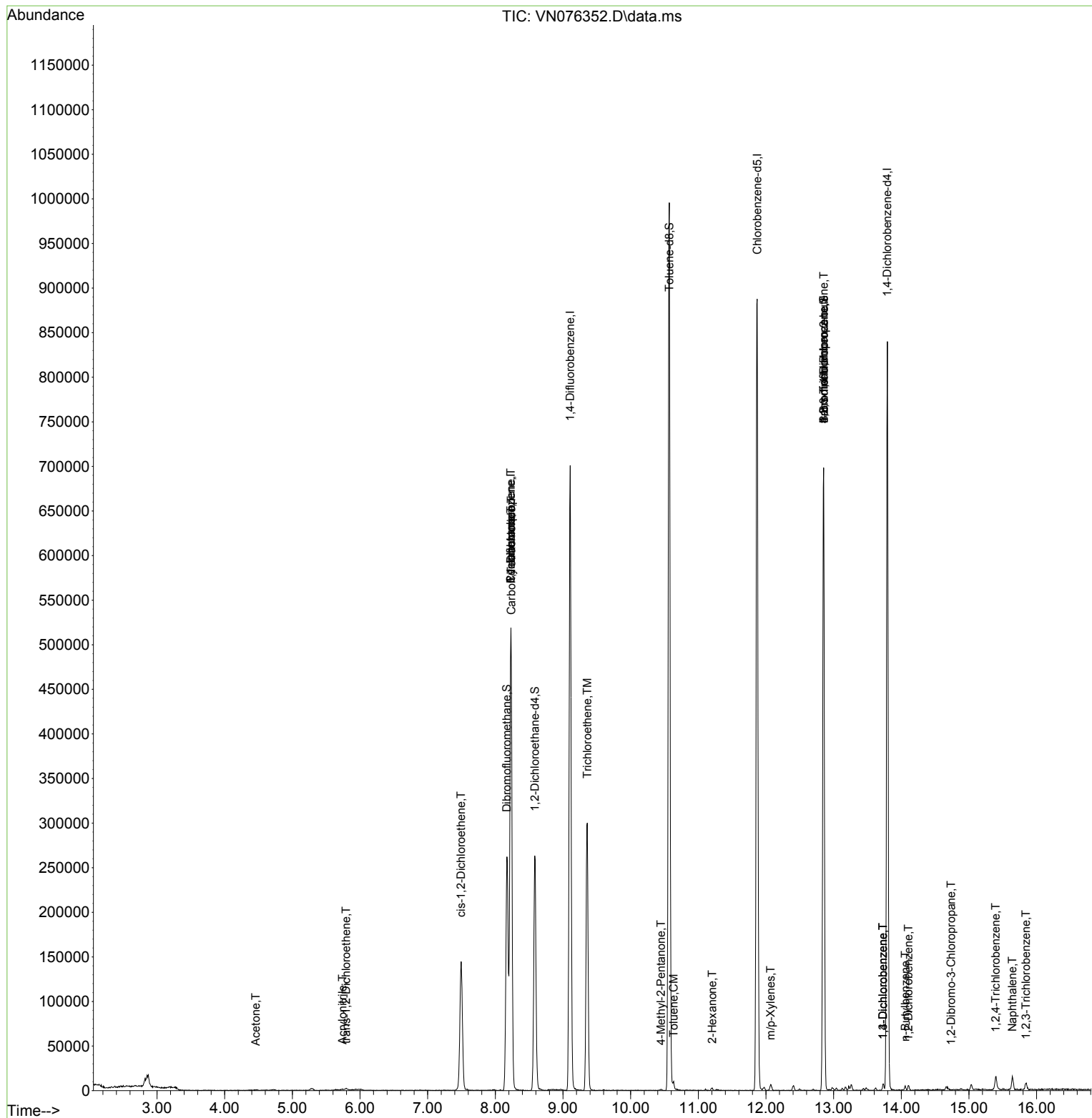
Internal Standards						
1) Pentafluorobenzene	8.230	168	397900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	637209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	550270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	216014	48.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.980%		
35) Dibromofluoromethane	8.171	113	188191	47.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	10.571	98	724572	49.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.853	95	233434	48.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.140%		
Target Compounds					Qvalue	
15) Acrylonitrile	5.742	53	459	0.271	ug/l #	63
16) Acetone	4.459	43	592	0.341	ug/l #	41
20) Methylene Chloride	5.289	84	2265	Below Cal	#	66
21) trans-1,2-Dichloroethene	5.795	96	1241	0.301	ug/l #	58
27) cis-1,2-Dichloroethene	7.494	96	93603	19.438	ug/l	89
31) Cyclohexane	8.230	56	8487	1.240	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28688	5.065	ug/l #	51
38) Carbon Tetrachloride	8.236	117	40579	6.425	ug/l #	16
44) Trichloroethene	9.359	130	113216	23.635	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	1016	0.234	ug/l	96
52) Toluene	10.635	92	2820	0.249	ug/l	77
59) 2-Hexanone	11.206	43	2253	0.717	ug/l	90
68) m/p-Xylenes	12.071	106	2583	0.324	ug/l	100
71) Bromoform	12.853	173	1704	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	121486	28.496	ug/l #	1
77) Bromobenzene	12.976	156	971	Below Cal		77
81) trans-1,4-Dichloro-2-b...	12.853	75	121486	87.608	ug/l #	11
87) 1,3-Dichlorobenzene	13.729	146	2353	0.280	ug/l	90
88) 1,4-Dichlorobenzene	13.729	146	2353	0.395	ug/l	91
89) n-Butylbenzene	14.059	91	3412	0.283	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	2654	0.317	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.735	75	190	0.213	ug/l #	61
93) 1,2,4-Trichlorobenzene	15.394	180	3146	2.062	ug/l	92
95) Naphthalene	15.641	128	14864	3.033	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	3105	1.940	ug/l	94

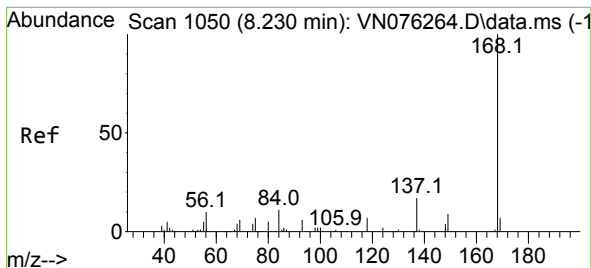
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012023\
Data File : VN076352.D
Acq On : 20 Jan 2023 18:06
Operator : JC\MD
Sample : 01258-01MEDL 20X
Misc : 4.22g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

Quant Time: Jan 20 22:19:34 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

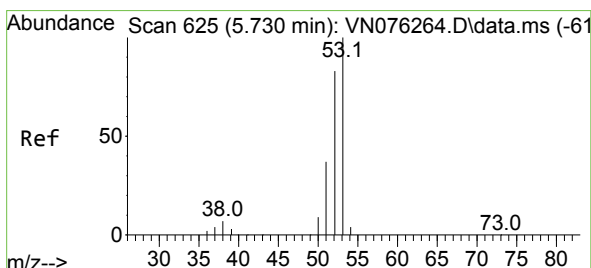
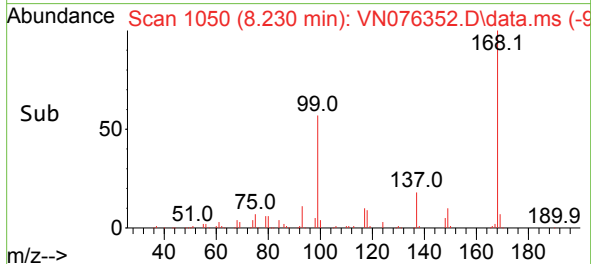
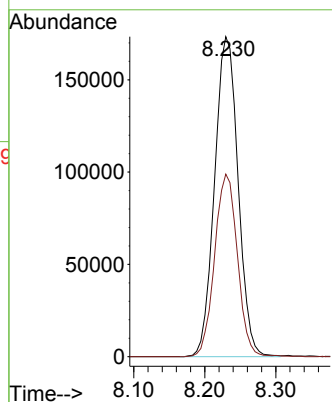
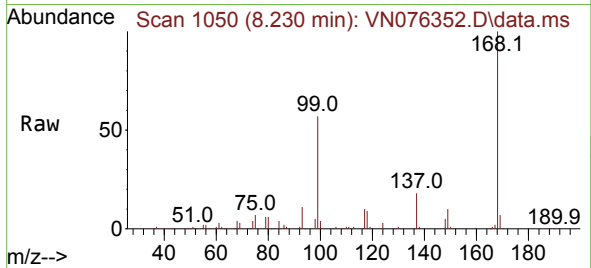




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

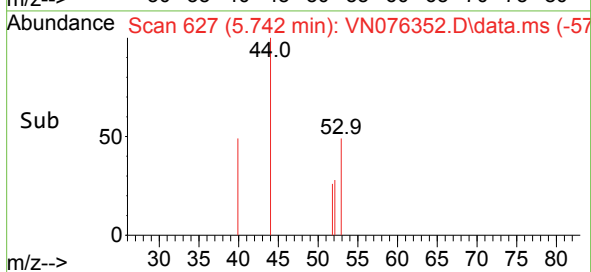
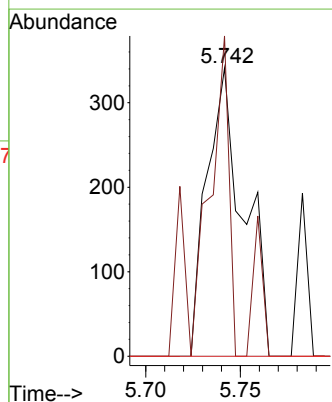
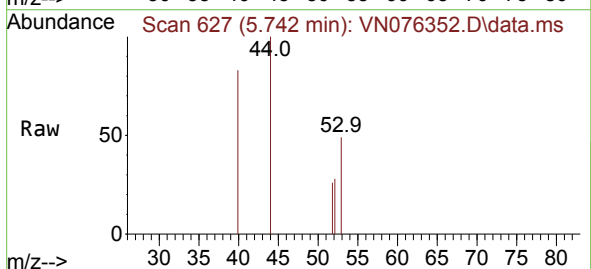
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

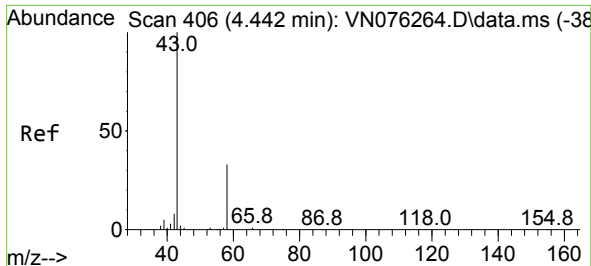
Tgt Ion:168 Resp: 397900
Ion Ratio Lower Upper
168 100
99 57.1 41.6 62.4



#15
Acrylonitrile
Concen: 0.271 ug/l
RT: 5.742 min Scan# 627
Delta R.T. 0.012 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 53 Resp: 459
Ion Ratio Lower Upper
53 100
52 57.7 64.7 97.1#
51 0.0 29.2 43.8#

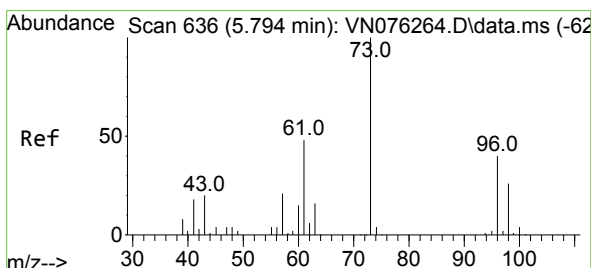
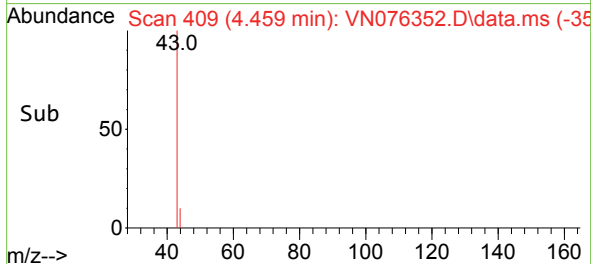
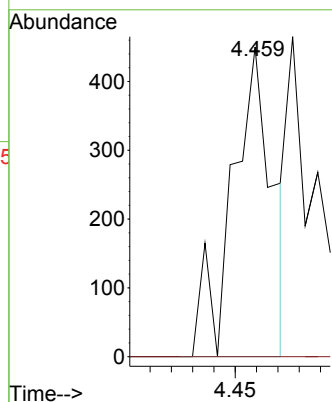
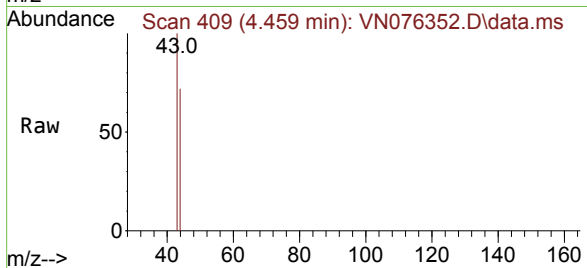




#16
Acetone
Concen: 0.341 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

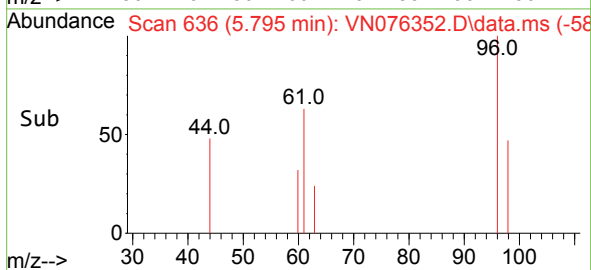
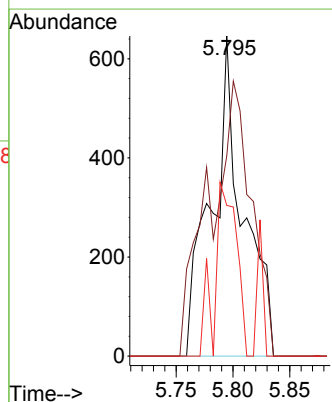
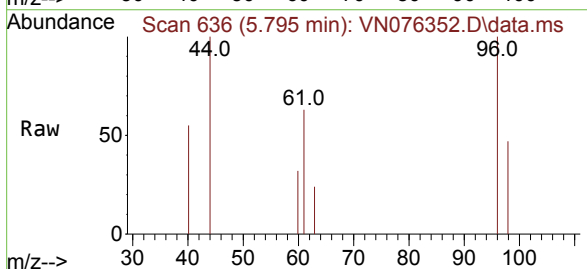
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

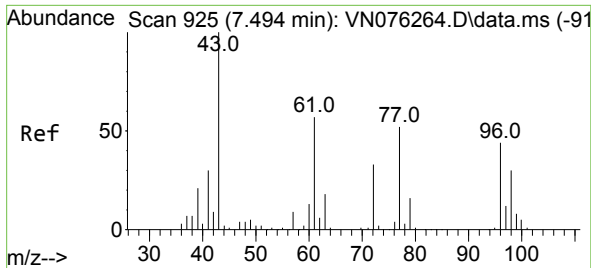
Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#21
trans-1,2-Dichloroethene
Concen: 0.301 ug/l
RT: 5.795 min Scan# 636
Delta R.T. 0.001 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 96 Resp: 1241
Ion Ratio Lower Upper
96 100
61 62.5 97.0 145.4#
98 47.1 51.9 77.9#

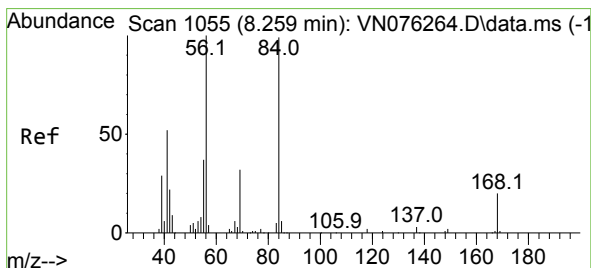
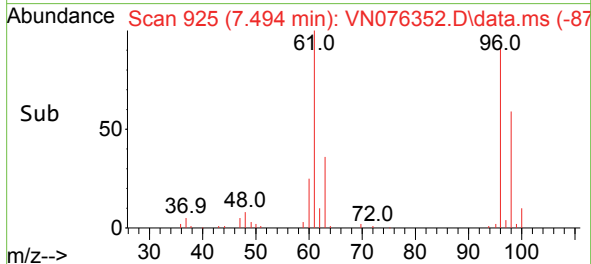
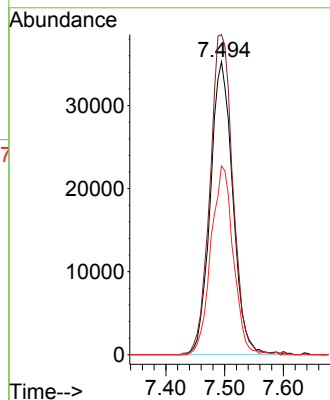
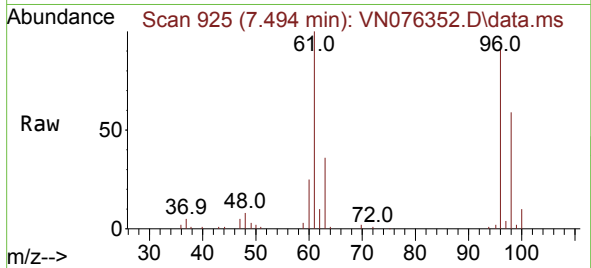




#27
 cis-1,2-Dichloroethene
 Concen: 19.438 ug/l
 RT: 7.494 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

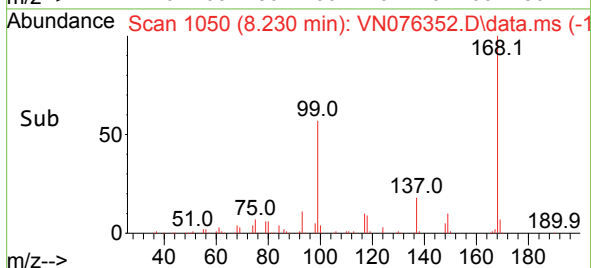
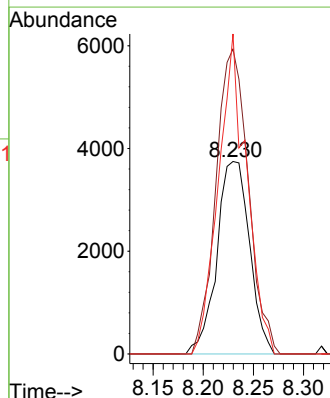
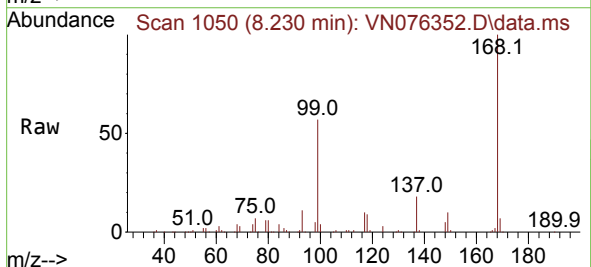
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-VOA-2DL

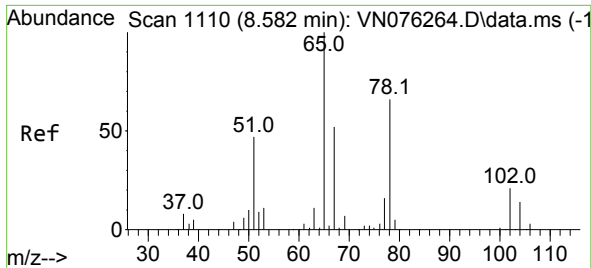
Tgt Ion: 96	Resp: 93603
Ion Ratio	Lower Upper
96 100	
61 111.4	0.0 259.6
98 64.1	0.0 129.4



#31
 Cyclohexane
 Concen: 1.240 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.029 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

Tgt Ion: 56	Resp: 8487		
Ion Ratio	Lower	Upper	
56	100		
69	158.4	25.8	38.8#
84	166.2	79.0	118.4#

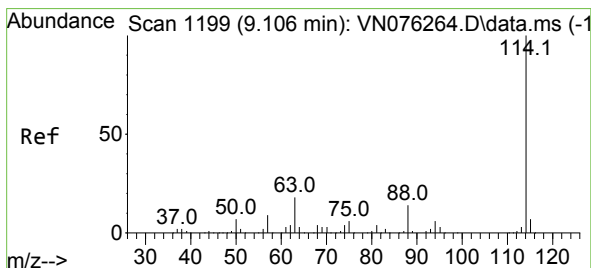
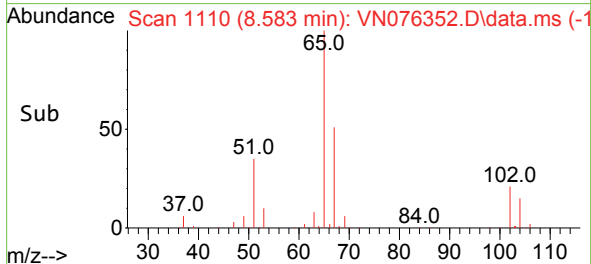
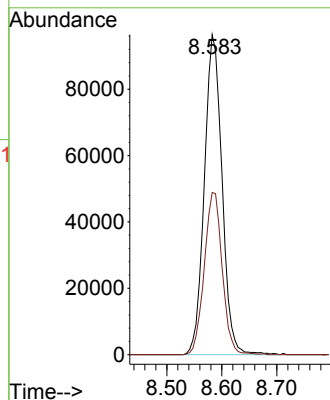
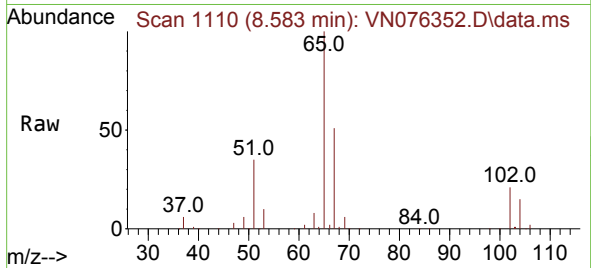




#33
1,2-Dichloroethane-d4
Concen: 48.486 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

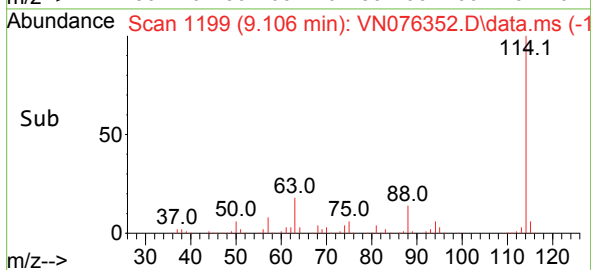
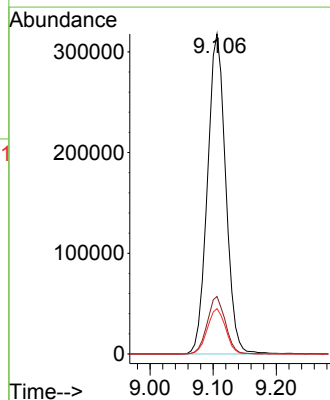
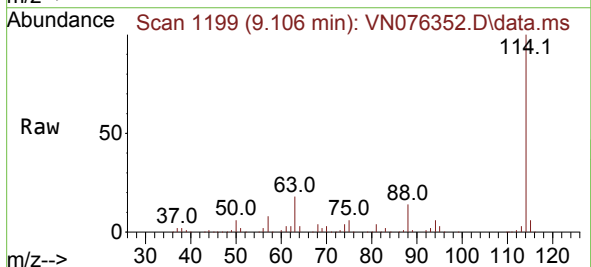
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

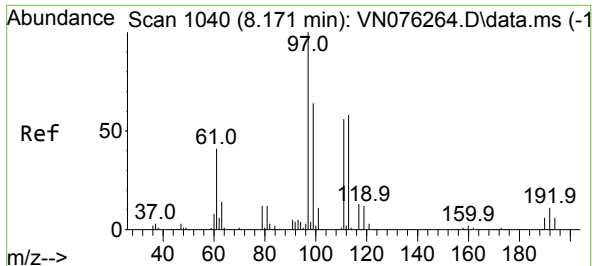
Tgt Ion: 65 Resp: 216014
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 114 Resp: 637209
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.8
88 14.2 0.0 28.0





#35

Dibromofluoromethane

Concen: 47.213 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076352.D

Acq: 20 Jan 2023 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-VOA-2DL

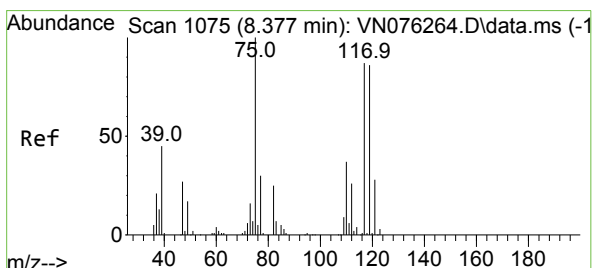
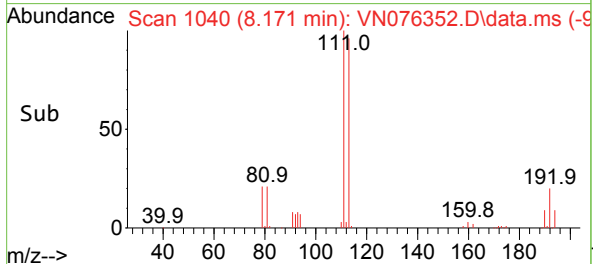
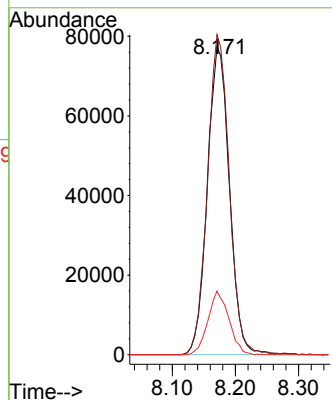
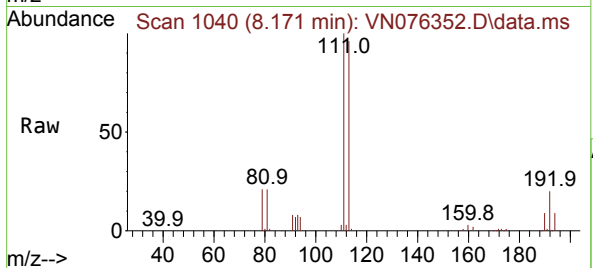
Tgt Ion:113 Resp: 188191

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 19.6 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.065 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076352.D

Acq: 20 Jan 2023 18:06

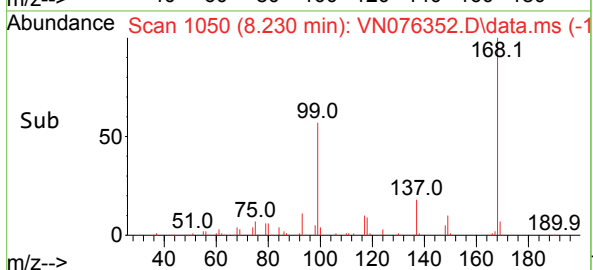
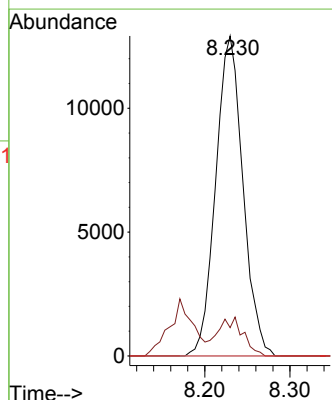
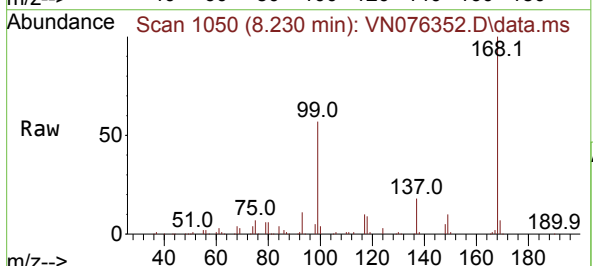
Tgt Ion: 75 Resp: 28688

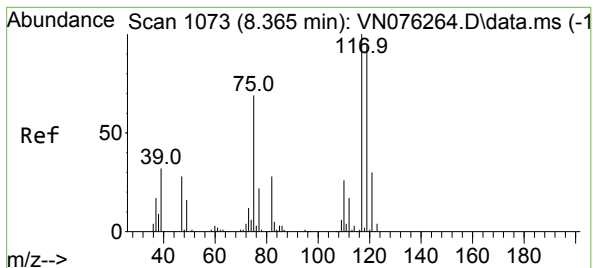
Ion Ratio Lower Upper

75 100

110 11.5 18.8 56.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.425 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN076352.D

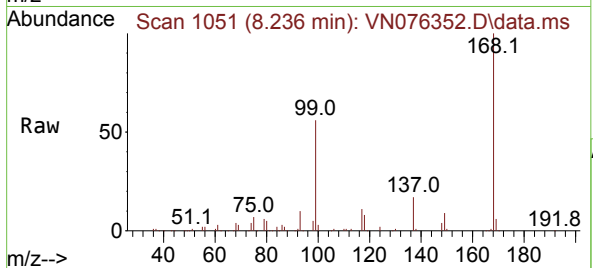
Acq: 20 Jan 2023 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-VOA-2DL



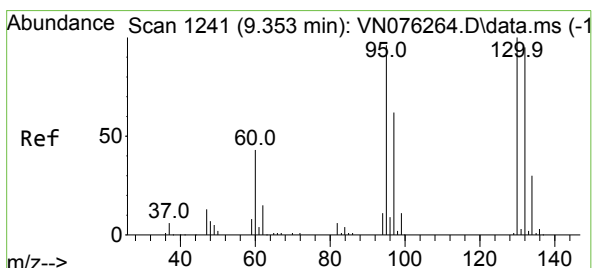
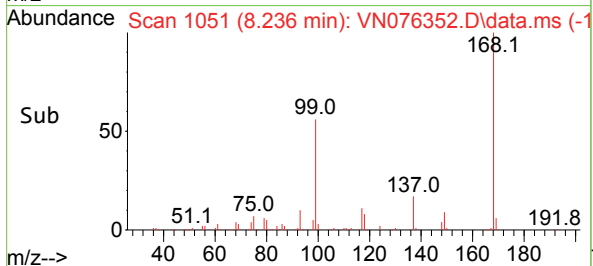
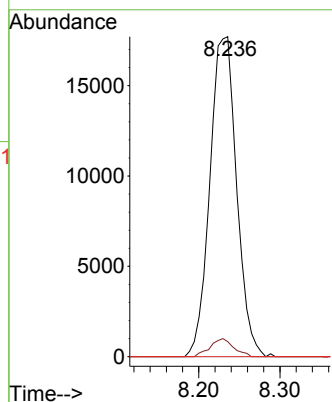
Tgt Ion:117 Resp: 40579

Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.0#

121 0.0 24.2 36.2#



#44

Trichloroethene

Concen: 23.635 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VN076352.D

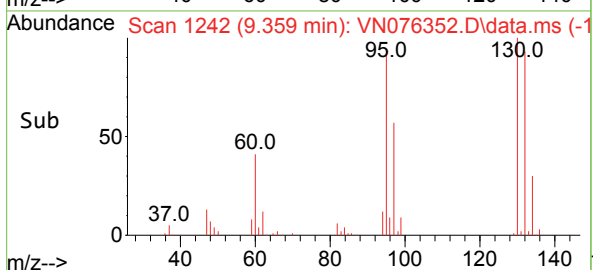
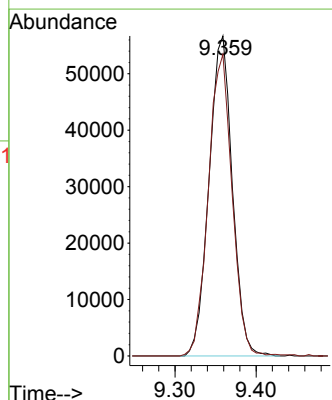
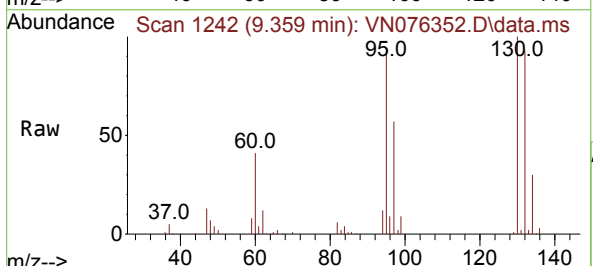
Acq: 20 Jan 2023 18:06

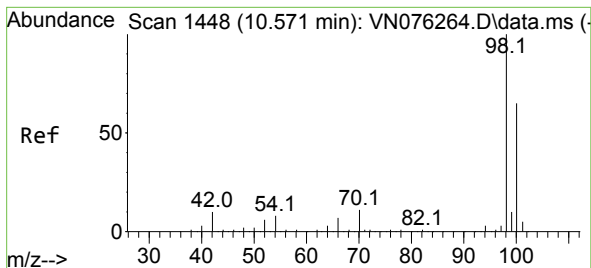
Tgt Ion:130 Resp: 113216

Ion Ratio Lower Upper

130 100

95 94.3 0.0 192.0

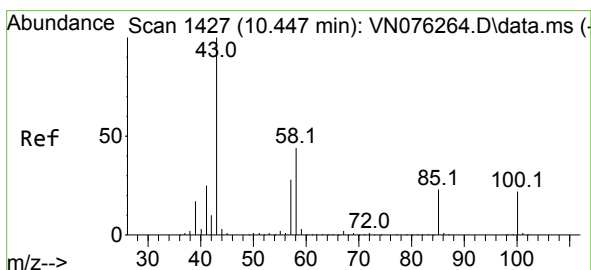
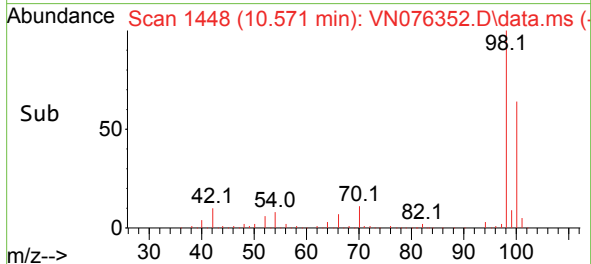
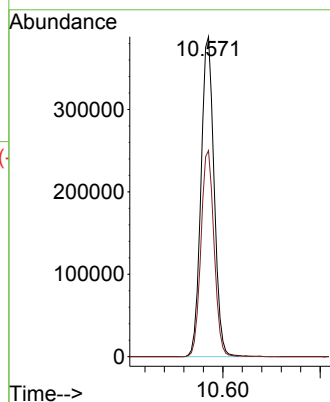
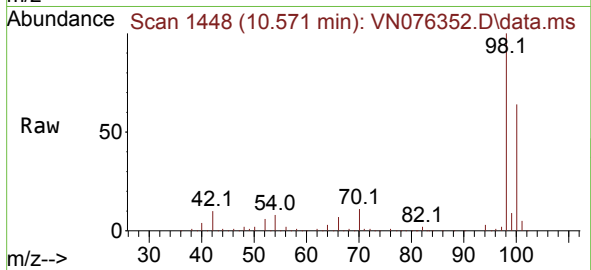




#50
Toluene-d8
Concen: 49.221 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

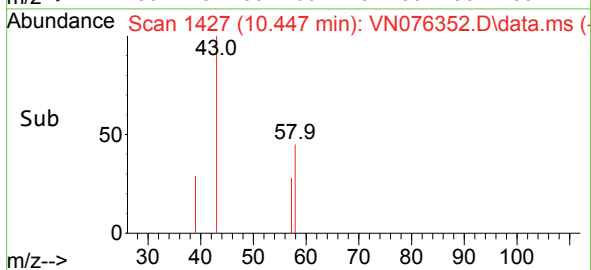
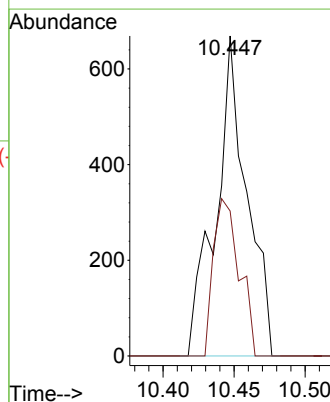
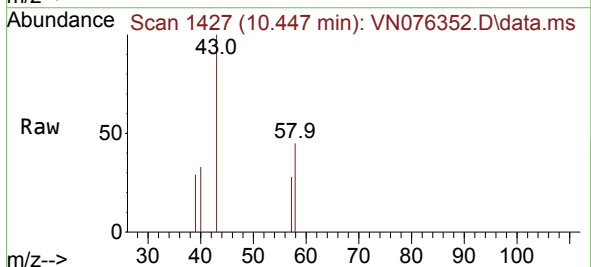
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

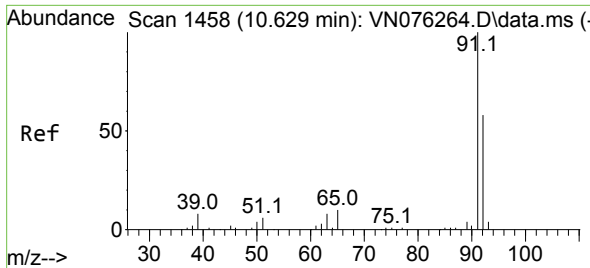
Tgt Ion: 98 Resp: 724572
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 41.0 35.1 52.7

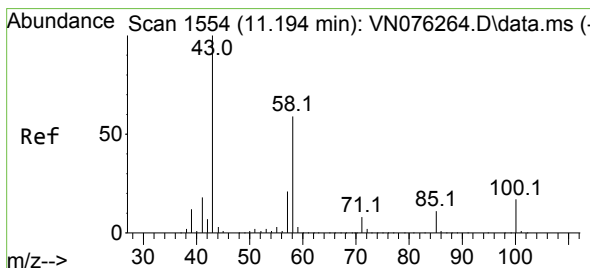
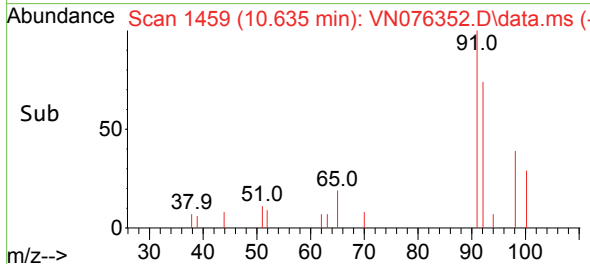
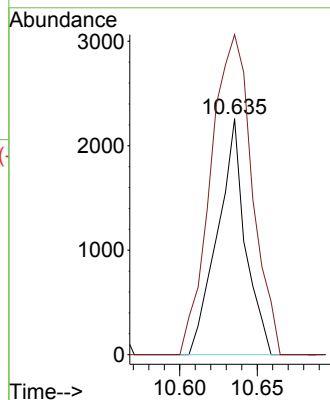
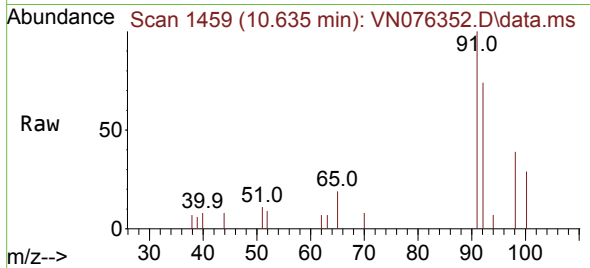




#52
Toluene
Concen: 0.249 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

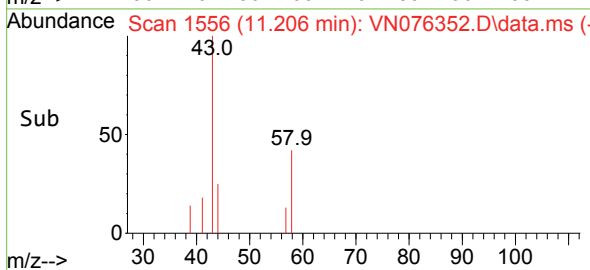
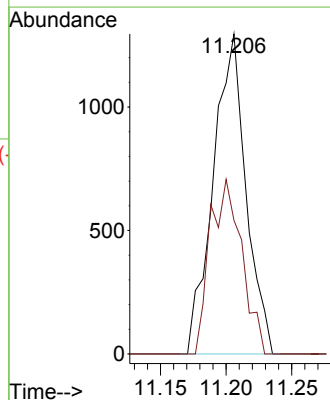
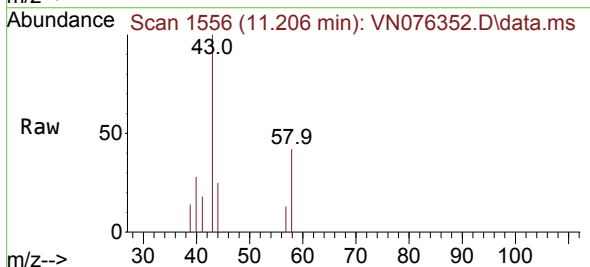
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

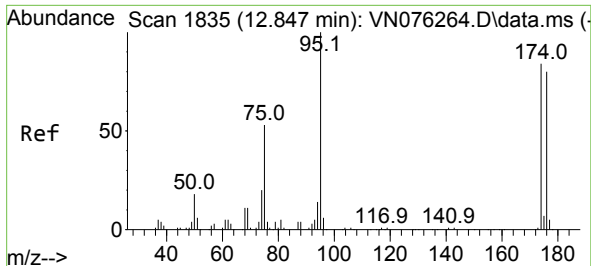
Tgt Ion: 92 Resp: 2820
Ion Ratio Lower Upper
92 100
91 202.4 136.6 205.0



#59
2-Hexanone
Concen: 0.717 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.012 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
58 52.7 30.1 90.3

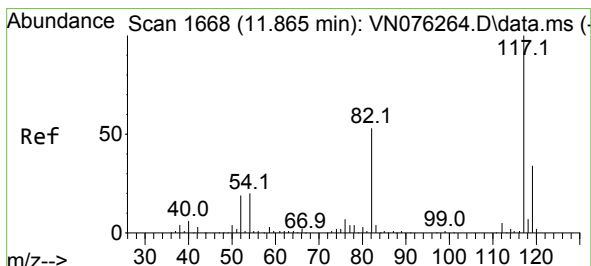
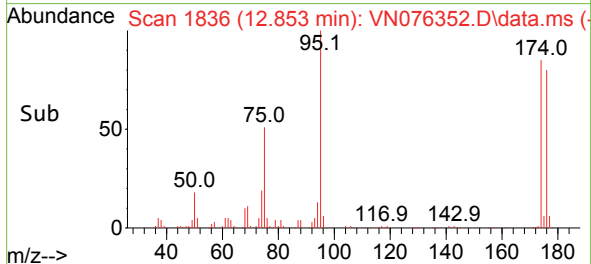
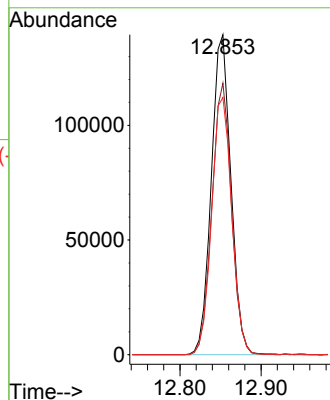
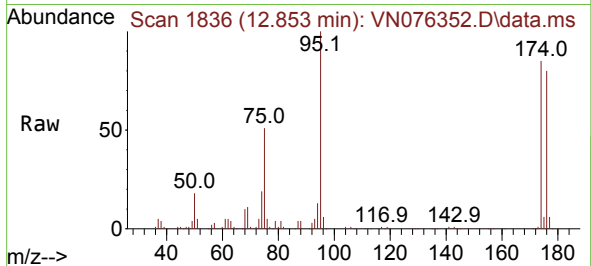




#62
4-Bromofluorobenzene
Concen: 48.575 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

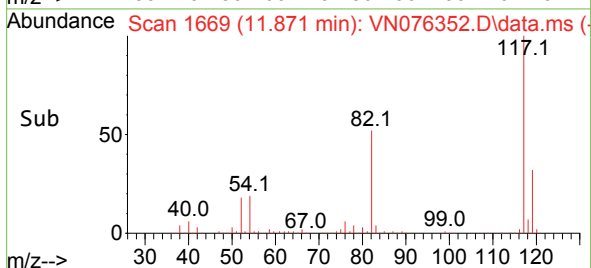
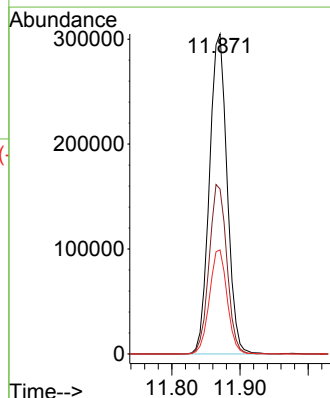
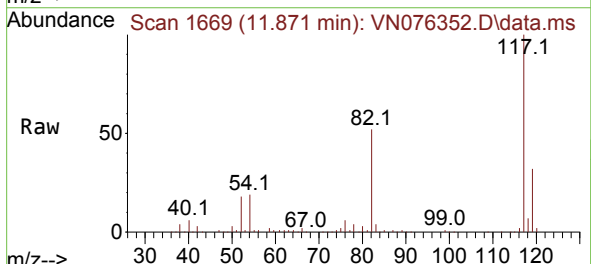
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

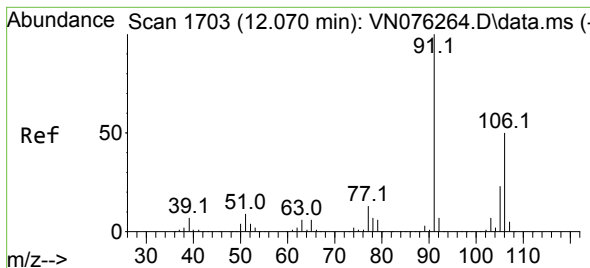
Tgt Ion: 95 Resp: 233434
Ion Ratio Lower Upper
95 100
174 85.0 0.0 174.6
176 82.7 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 117 Resp: 550270
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 32.5 26.9 40.3

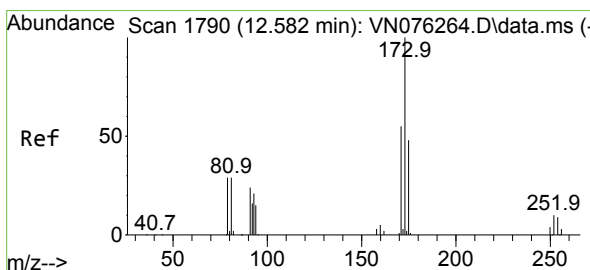
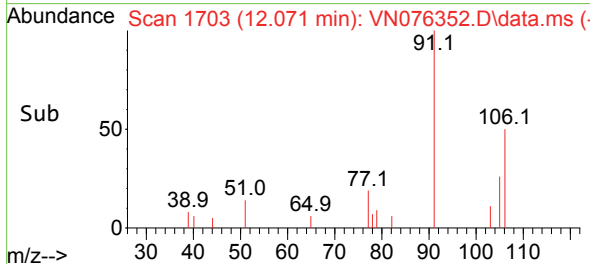
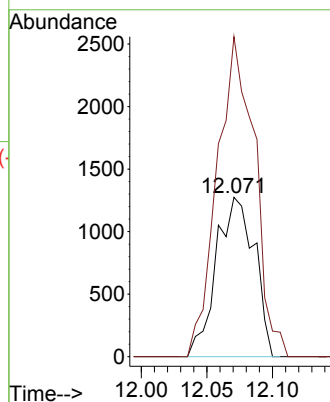
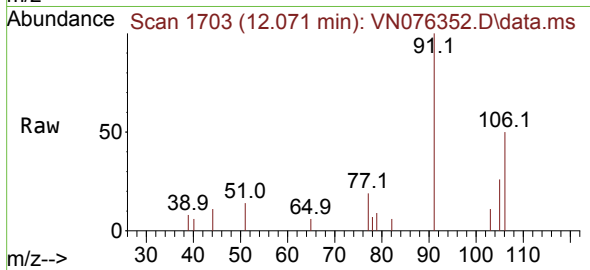




#68
m/p-Xylenes
Concen: 0.324 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

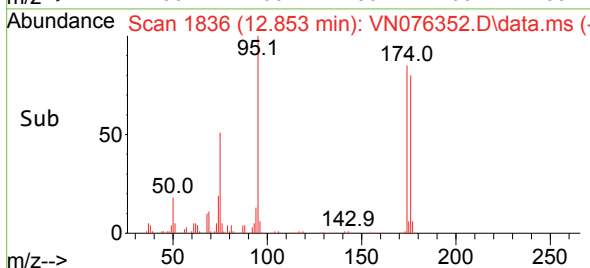
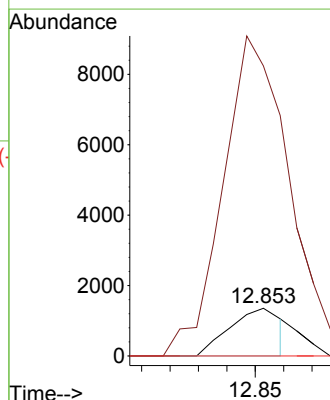
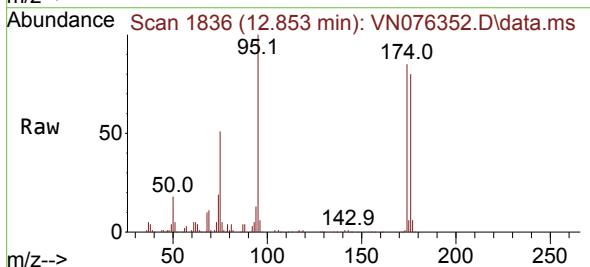
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

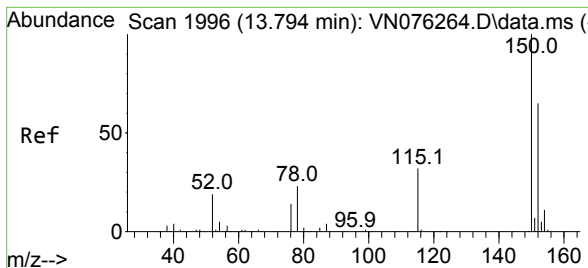
Tgt Ion:106 Resp: 2583
Ion Ratio Lower Upper
106 100
91 197.1 157.5 236.3



#71
Bromoform
Concen: 0.545 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion:173 Resp: 1704
Ion Ratio Lower Upper
173 100
175 725.3 24.1 72.4#
254 0.0 0.0 0.0

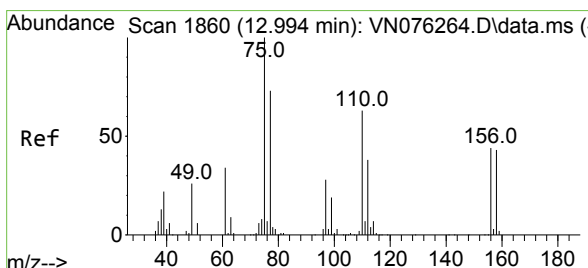
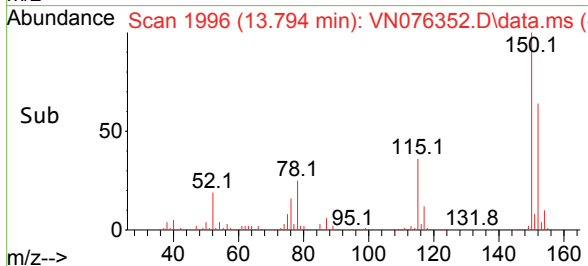
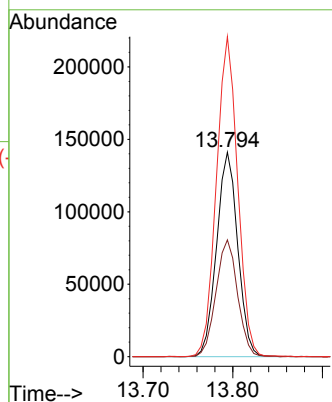
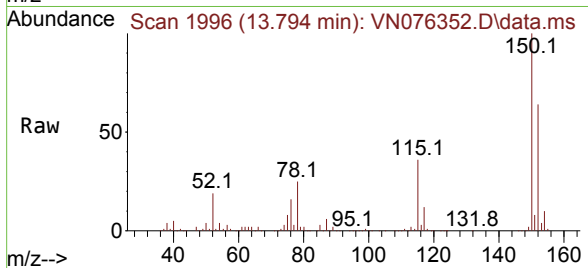




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

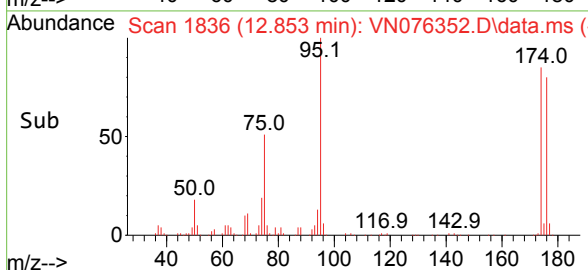
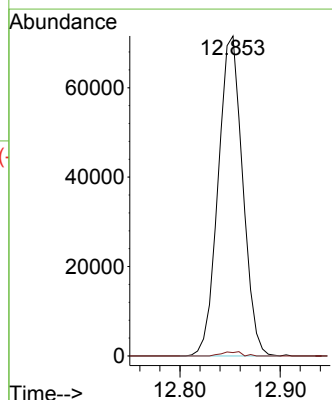
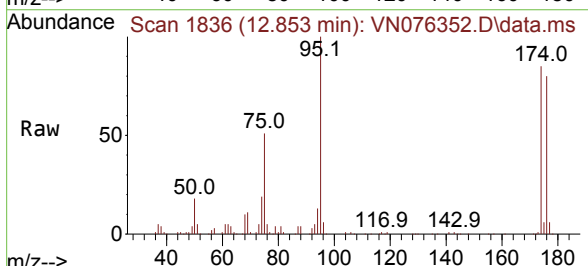
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-VOA-2DL

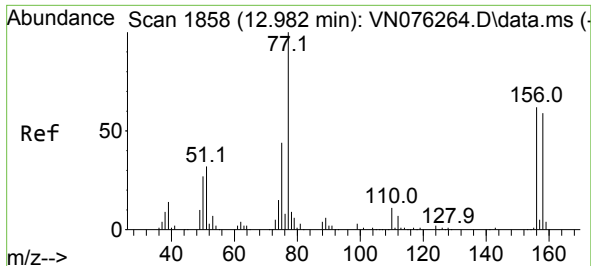
Tgt Ion:152 Resp: 230722
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.6 88.9
 150 157.7 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 28.496 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

Tgt Ion: 75 Resp: 121486
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.2 225.6#

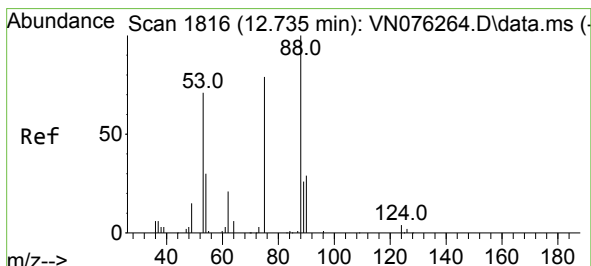
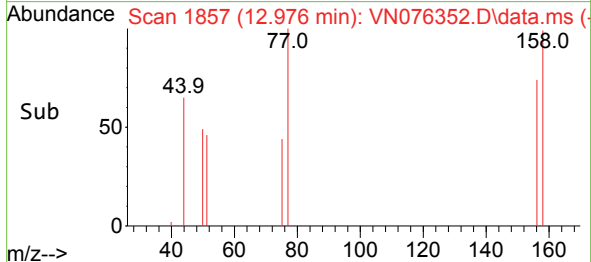
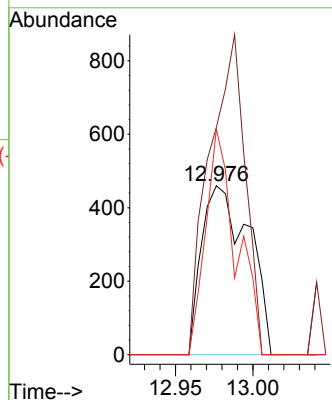
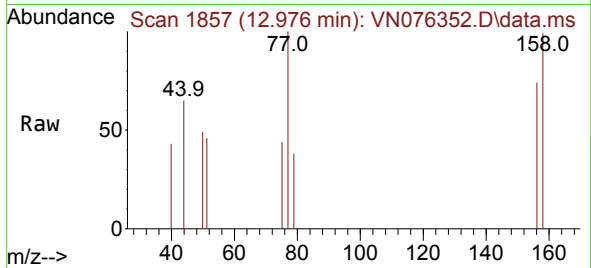




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

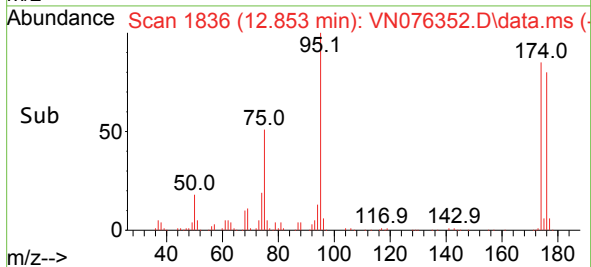
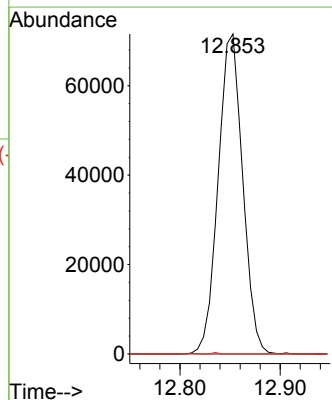
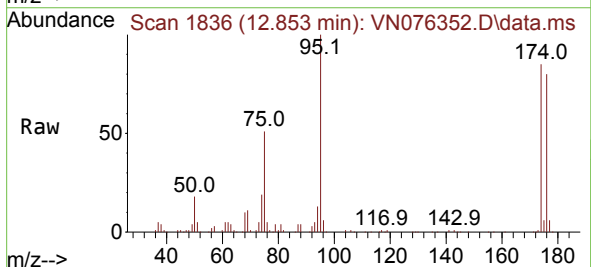
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

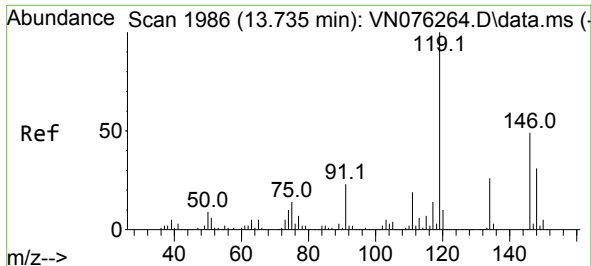
Tgt Ion:156 Resp: 971
Ion Ratio Lower Upper
156 100
77 143.8 93.4 280.2
158 87.2 48.4 145.2



#81
trans-1,4-Dichloro-2-butene
Concen: 87.608 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion: 75 Resp: 121486
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 37.0 55.6#

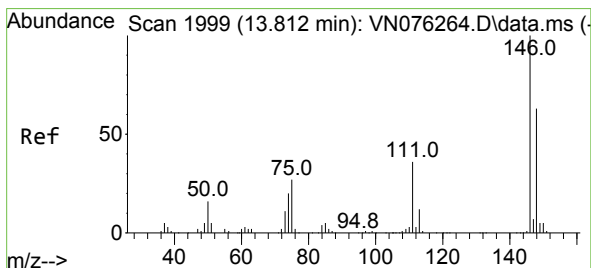
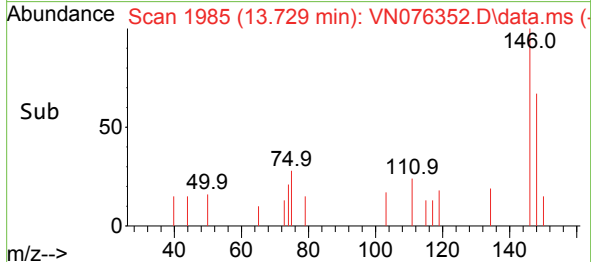
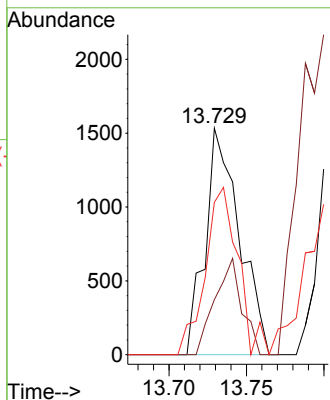
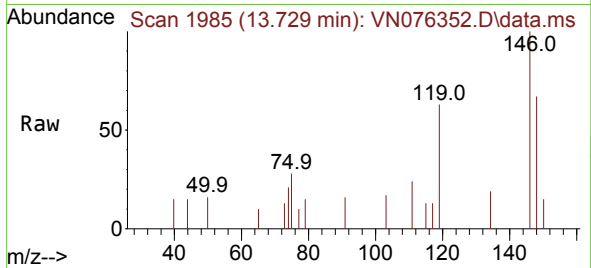




#87
 1,3-Dichlorobenzene
 Concen: 0.280 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.006 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

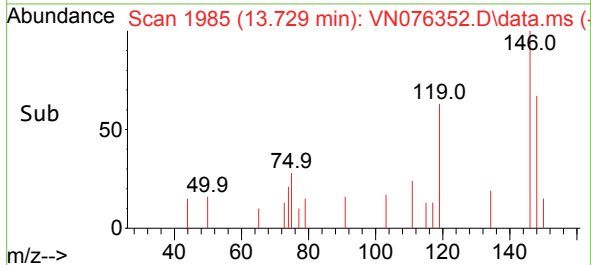
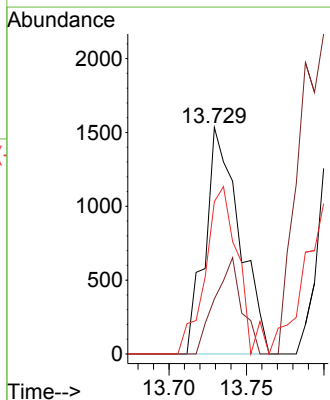
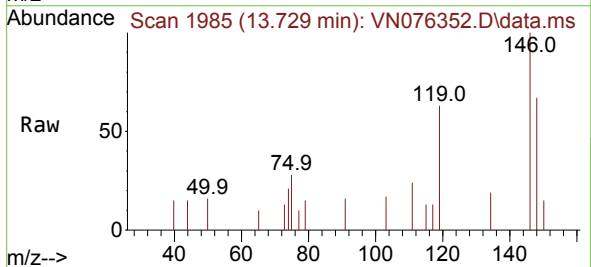
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-VOA-2DL

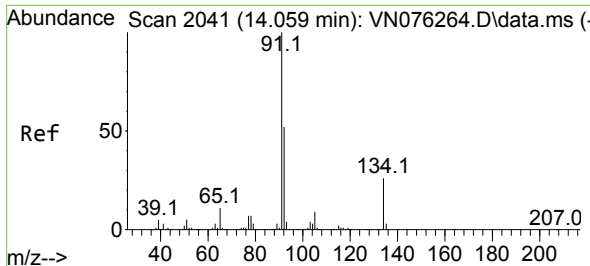
Tgt Ion:146 Resp: 2353
 Ion Ratio Lower Upper
 146 100
 111 33.4 19.9 59.7
 148 70.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 0.395 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.083 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

Tgt Ion:146 Resp: 2353
 Ion Ratio Lower Upper
 146 100
 111 33.4 19.1 57.5
 148 70.8 31.9 95.9

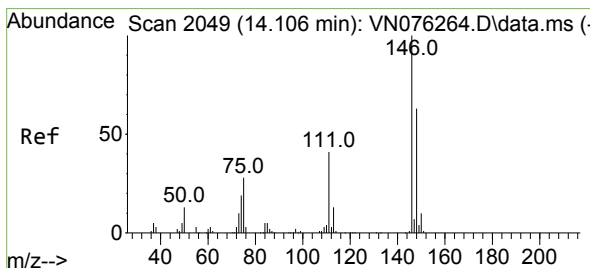
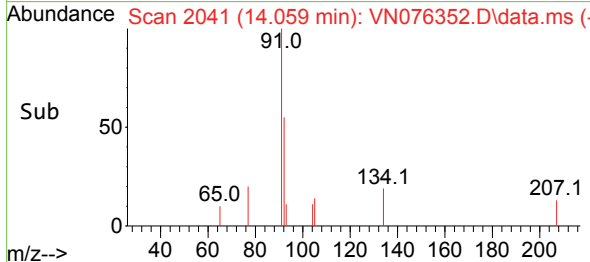
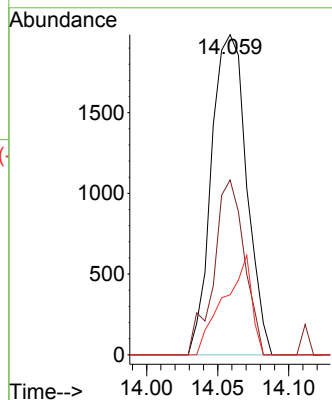
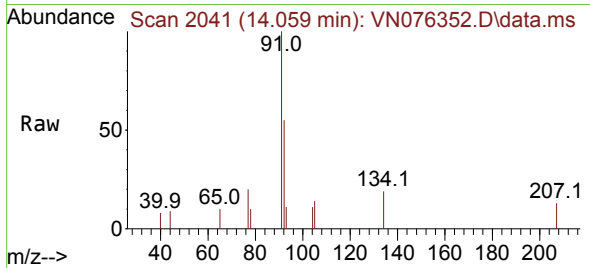




#89
n-Butylbenzene
Concen: 0.283 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

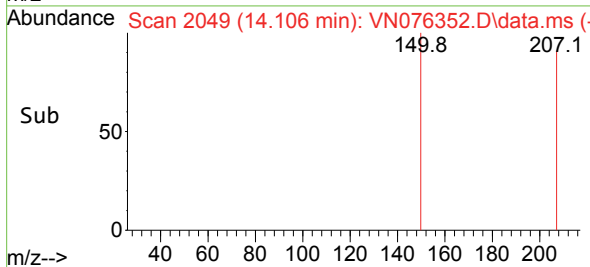
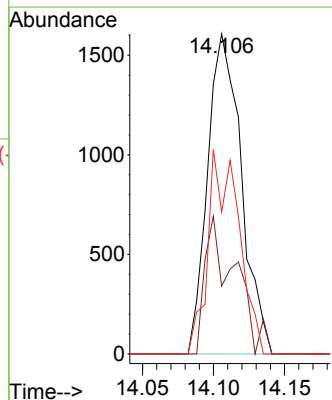
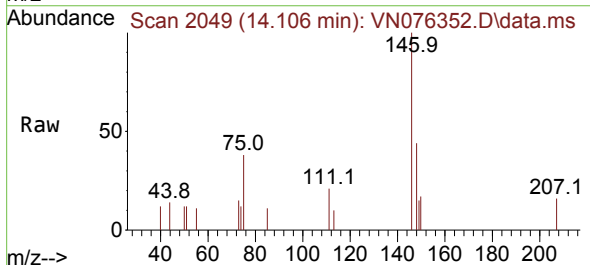
Instrument :
MSVOA_N
ClientSampleId :
WASTE-VOA-2DL

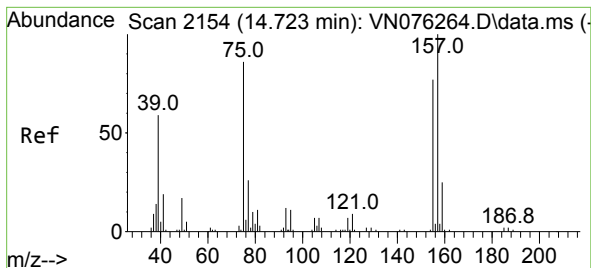
Tgt Ion: 91	Resp:	3412	
Ion Ratio	Lower	Upper	
91	100		
92	47.8	26.3	78.9
134	24.7	13.2	39.5



#91
1,2-Dichlorobenzene
Concen: 0.317 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN076352.D
Acq: 20 Jan 2023 18:06

Tgt Ion:146	Resp:	2654	
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	60.8
148	58.3	31.8	95.4

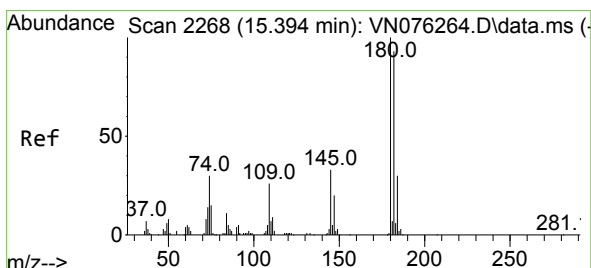
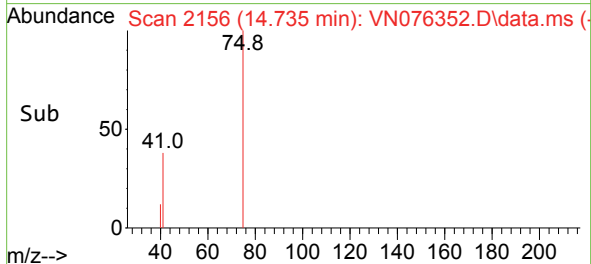
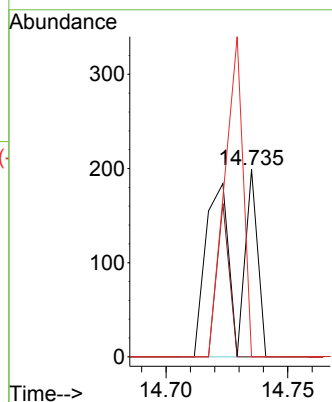
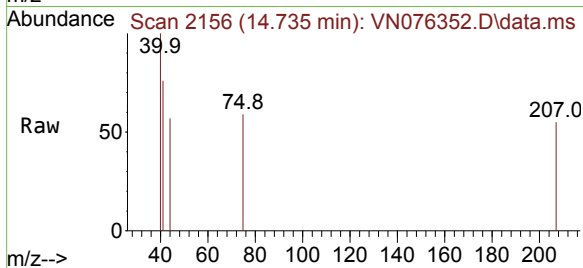




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.213 ug/l
 RT: 14.735 min Scan# 2156
 Delta R.T. 0.012 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

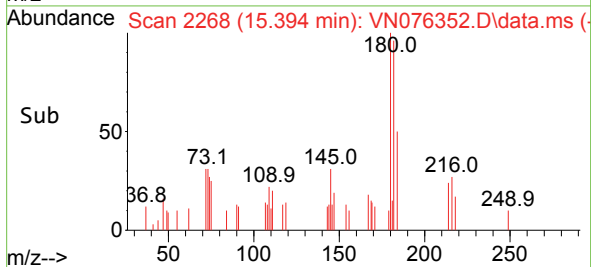
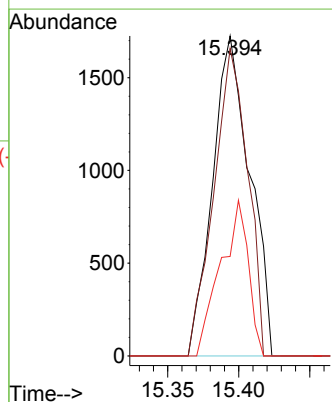
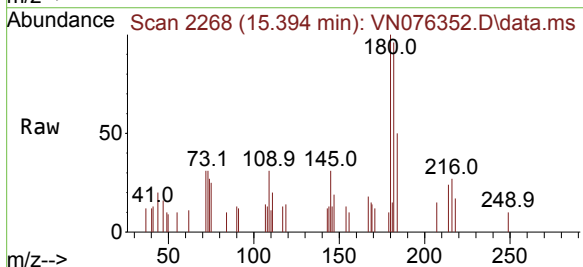
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-VOA-2DL

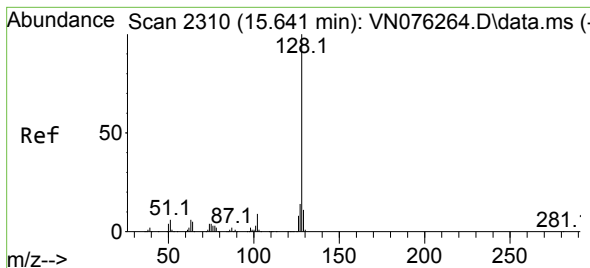
Tgt Ion: 75 Resp: 190
 Ion Ratio Lower Upper
 75 100
 155 30.5 45.0 135.0#
 157 94.7 58.3 174.9



#93
 1,2,4-Trichlorobenzene
 Concen: 2.062 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076352.D
 Acq: 20 Jan 2023 18:06

Tgt Ion: 180 Resp: 3146
 Ion Ratio Lower Upper
 180 100
 182 87.2 47.0 141.2
 145 36.3 15.2 45.5





#95

Naphthalene

Concen: 3.033 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076352.D

Acq: 20 Jan 2023 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-VOA-2DL

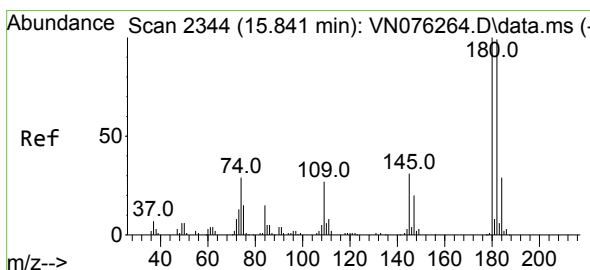
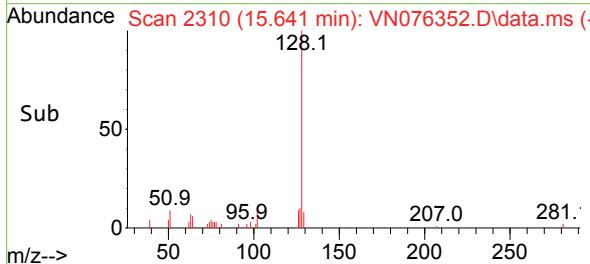
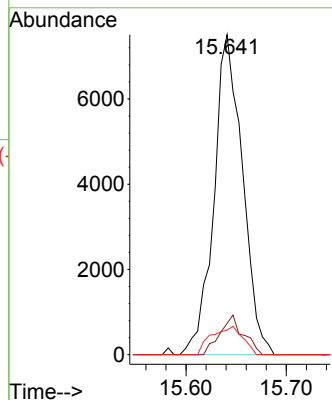
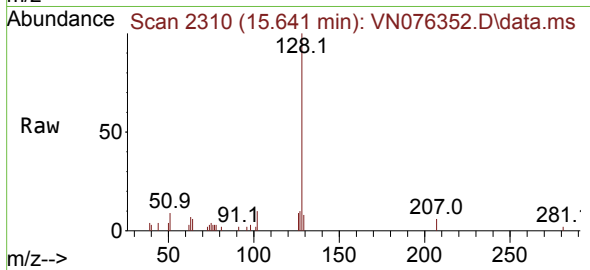
Tgt Ion:128 Resp: 14864

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

129 9.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.940 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076352.D

Acq: 20 Jan 2023 18:06

Tgt Ion:180 Resp: 3105

Ion Ratio Lower Upper

180 100

182 87.8 47.5 142.5

145 32.9 15.9 47.6

