

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
 Data File : VN077262.D
 Acq On : 05 Apr 2023 14:05
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 06 09:28:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

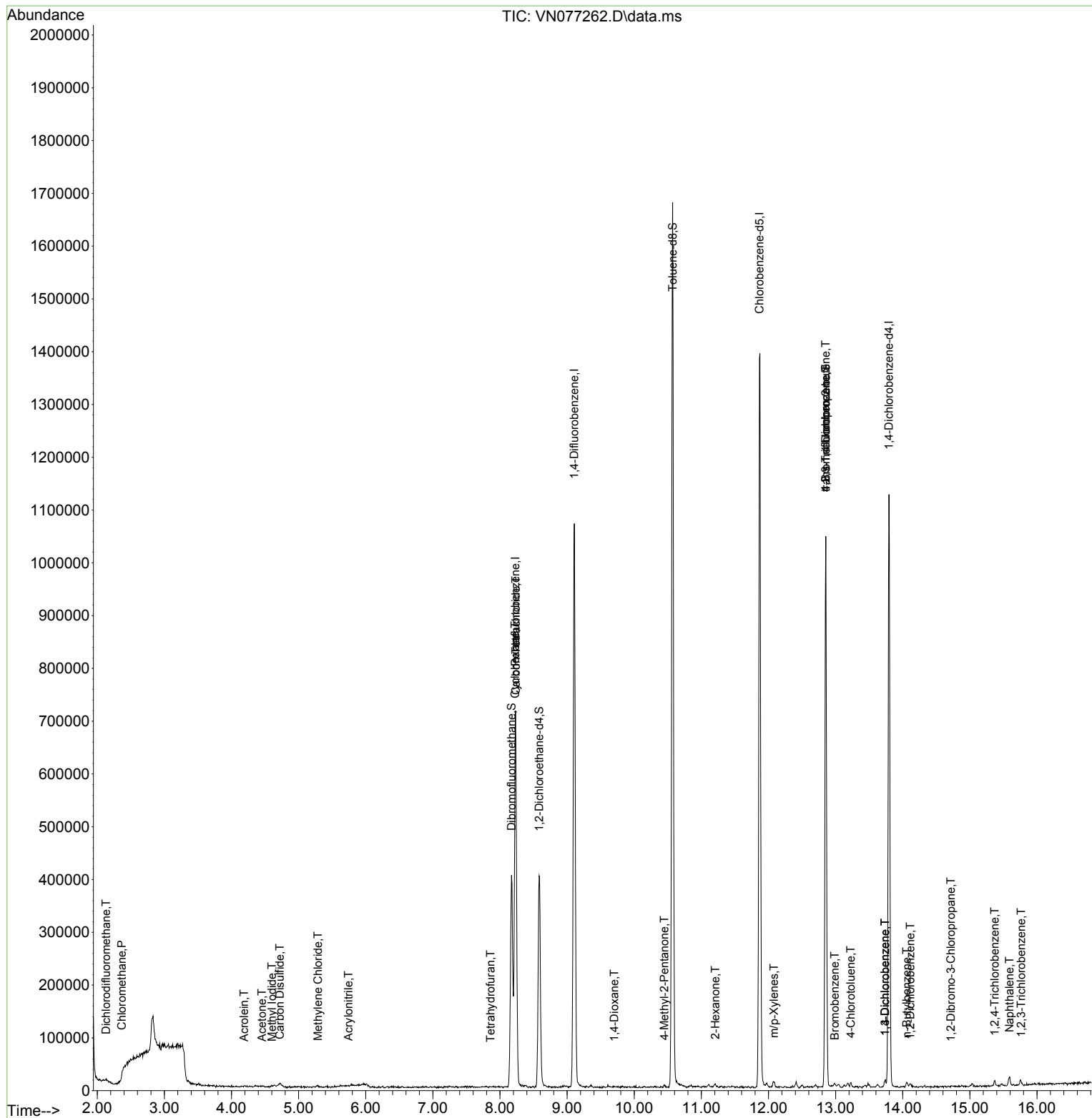
Internal Standards						
1) Pentafluorobenzene	8.230	168	514689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	969096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	849206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	305076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	315261	44.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.640%		
35) Dibromofluoromethane	8.172	113	291676	47.015	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.040%		
50) Toluene-d8	10.571	98	1205151	48.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.500%		
62) 4-Bromofluorobenzene	12.854	95	362299	43.618	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.131	85	1365	0.208	ug/l	85
3) Chloromethane	2.366	50	3769	0.463	ug/l	95
10) Methyl Iodide	4.601	142	2775	0.390	ug/l #	71
13) Acrolein	4.190	56	436	0.321	ug/l #	1
15) Acrylonitrile	5.742	53	659	0.208	ug/l #	69
16) Acetone	4.454	43	1572	0.606	ug/l #	39
17) Carbon Disulfide	4.719	76	6718	0.413	ug/l #	75
20) Methylene Chloride	5.289	84	1933	0.264	ug/l #	74
29) Tetrahydrofuran	7.860	42	876	0.324	ug/l #	24
31) Cyclohexane	8.225	56	14127	1.292	ug/l #	44
38) Carbon Tetrachloride	8.236	117	55174	5.869	ug/l #	14
49) 1,4-Dioxane	9.701	88	62	0.396	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	2104	0.240	ug/l	91
59) 2-Hexanone	11.207	43	3550	0.544	ug/l	86
68) m/p-Xylenes	12.083	106	3552	0.262	ug/l	88
76) 1,2,3-Trichloropropane	12.854	75	190003	26.154	ug/l #	1
77) Bromobenzene	12.989	156	1216	0.202	ug/l	72
81) trans-1,4-Dichloro-2-b...	12.854	75	190003	58.856	ug/l #	13
82) 4-Chlorotoluene	13.224	91	5187	0.279	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	3608	0.324	ug/l	91
88) 1,4-Dichlorobenzene	13.736	146	3608	0.328	ug/l	93
89) n-Butylbenzene	14.059	91	6332	0.331	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	2789	0.250	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.718	75	745	0.423	ug/l	66
93) 1,2,4-Trichlorobenzene	15.371	180	2816	0.700	ug/l	95
95) Naphthalene	15.589	128	14615	0.966	ug/l	97
96) 1,2,3-Trichlorobenzene	15.765	180	2850	0.740	ug/l	99

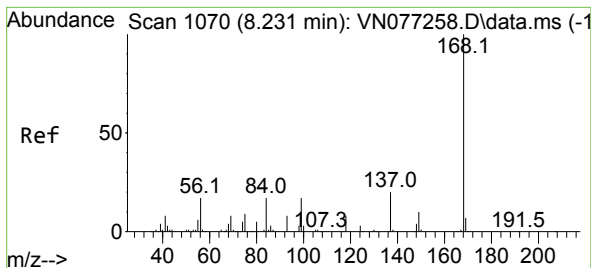
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
Data File : VN077262.D
Acq On : 05 Apr 2023 14:05
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Apr 06 09:28:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

Instrument :

MSVOA_N

ClientSampleId :

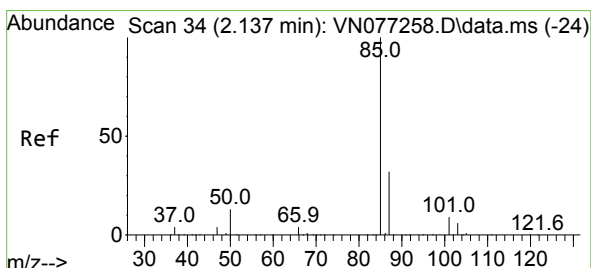
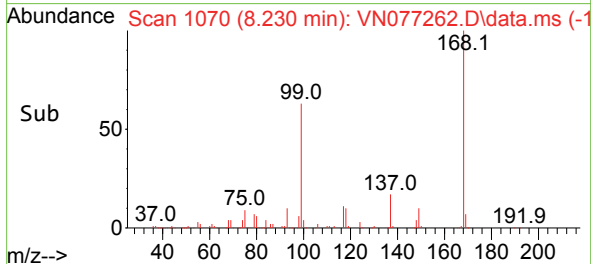
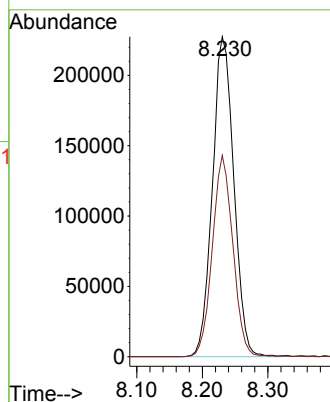
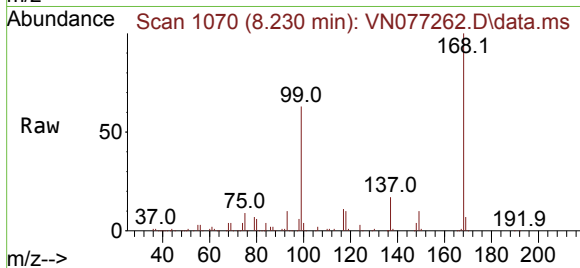
IBLK

Tgt Ion:168 Resp: 514689

Ion Ratio Lower Upper

168 100

99 62.9 50.6 75.8



#2

Dichlorodifluoromethane

Concen: 0.208 ug/l

RT: 2.131 min Scan# 33

Delta R.T. -0.006 min

Lab File: VN077262.D

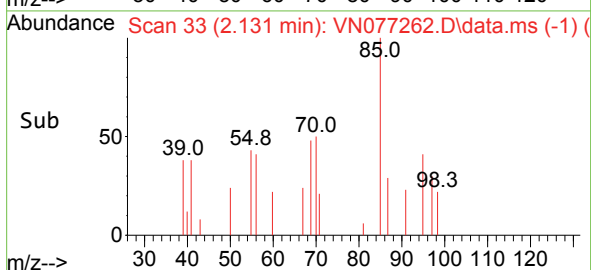
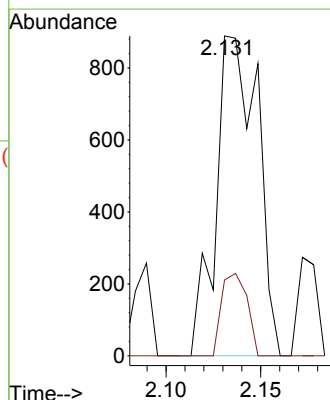
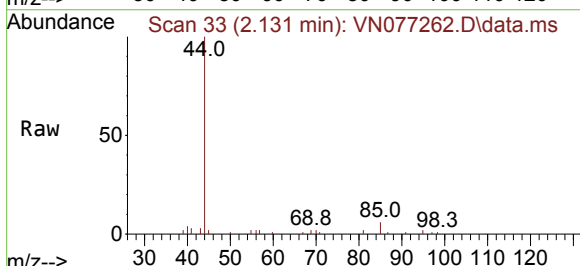
Acq: 05 Apr 2023 14:05

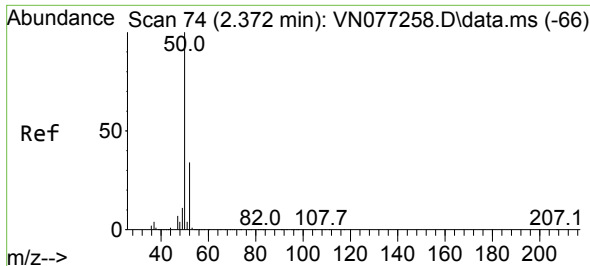
Tgt Ion: 85 Resp: 1365

Ion Ratio Lower Upper

85 100

87 23.7 16.1 48.2

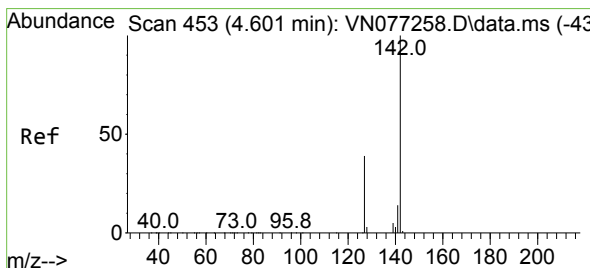
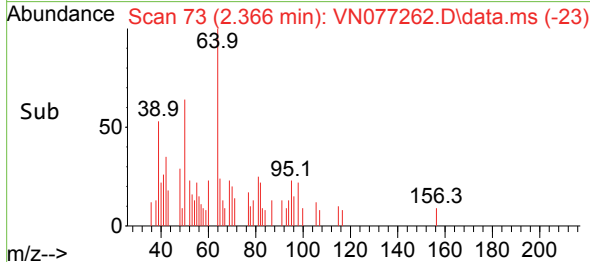
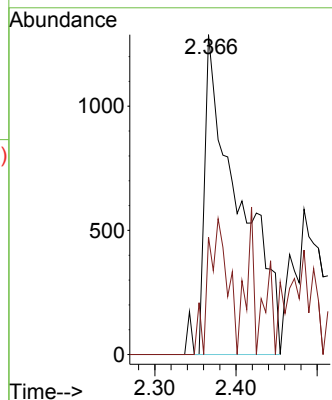
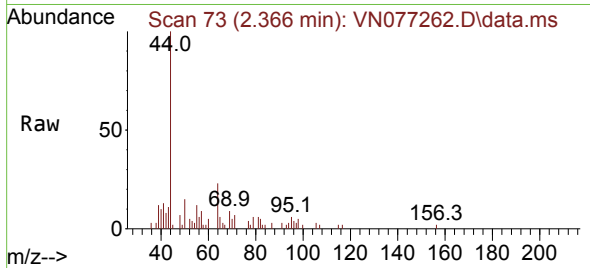




#3
Chloromethane
Concen: 0.463 ug/l
RT: 2.366 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

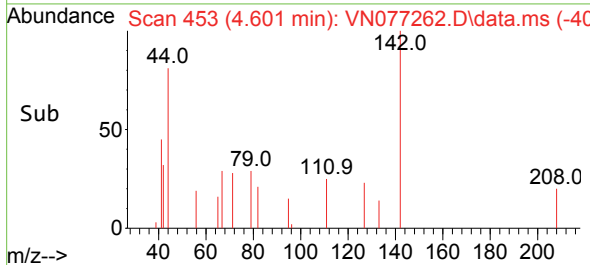
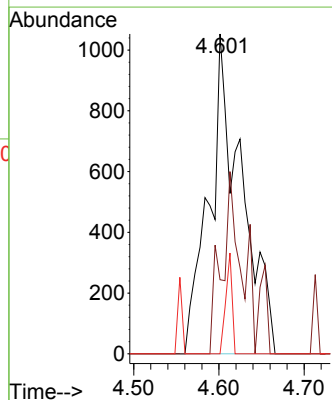
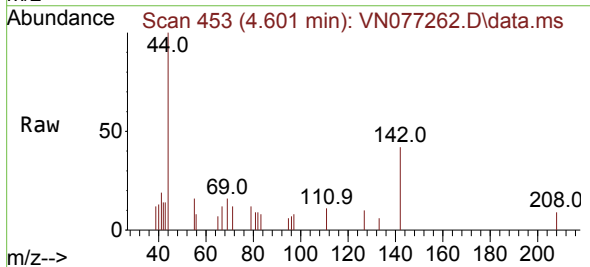
Instrument :
MSVOA_N
ClientSampleId :
IBLK

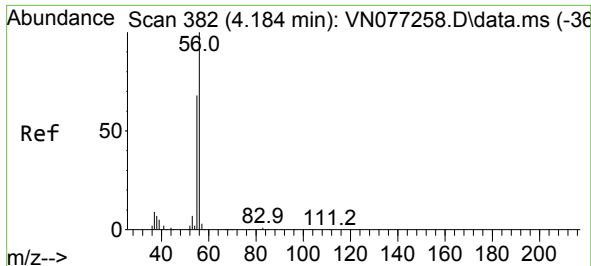
Tgt Ion: 50 Resp: 3769
Ion Ratio Lower Upper
50 100
52 36.7 27.3 40.9



#10
Methyl Iodide
Concen: 0.390 ug/l
RT: 4.601 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 142 Resp: 2775
Ion Ratio Lower Upper
142 100
127 23.2 31.5 47.3#
141 0.0 11.4 17.2#

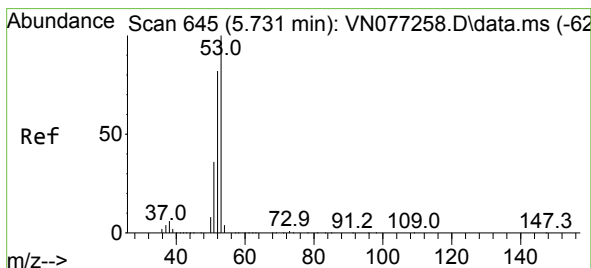
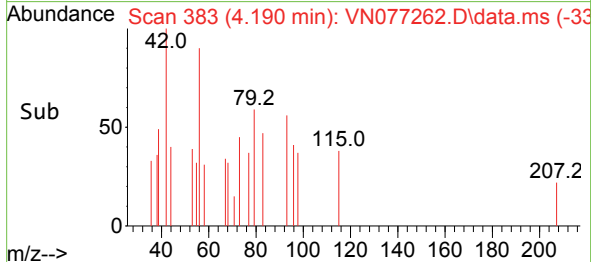
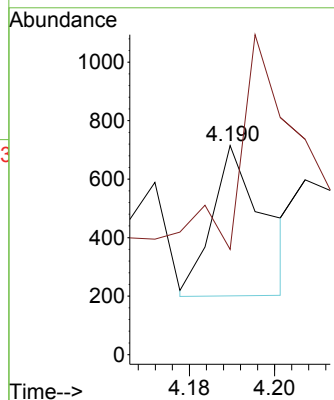
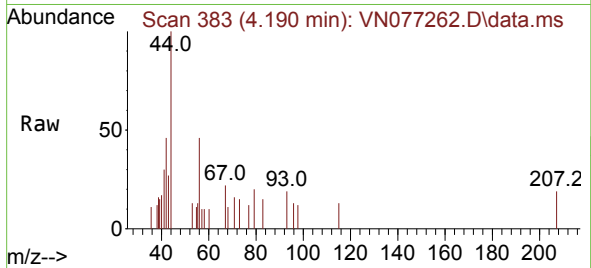




#13
Acrolein
Concen: 0.321 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

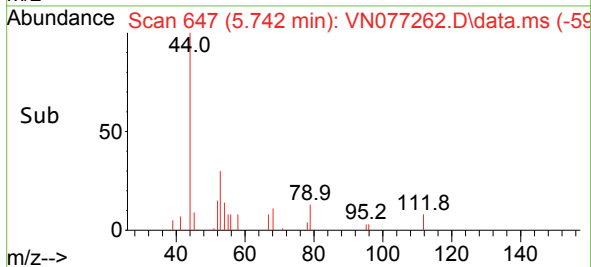
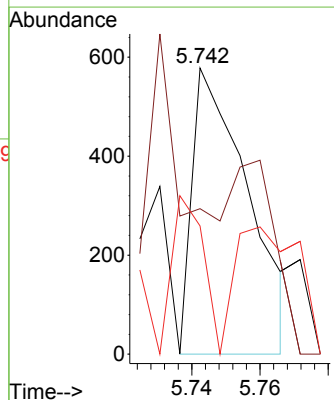
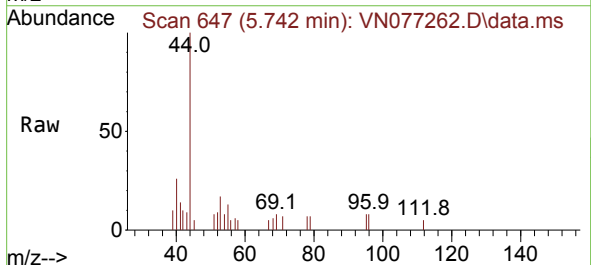
Instrument :
MSVOA_N
ClientSampleId :
IBLK

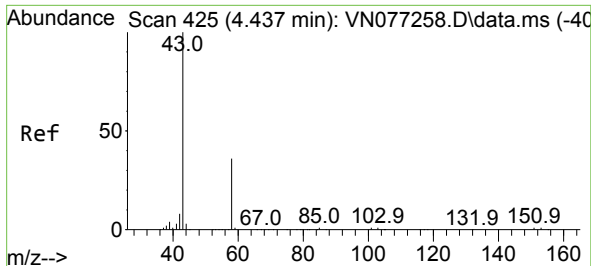
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 241.7 54.2 81.2#



#15
Acrylonitrile
Concen: 0.208 ug/l
RT: 5.742 min Scan# 647
Delta R.T. 0.011 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 53 Resp: 659
Ion Ratio Lower Upper
53 100
52 117.3 65.2 97.8#
51 40.1 28.1 42.1

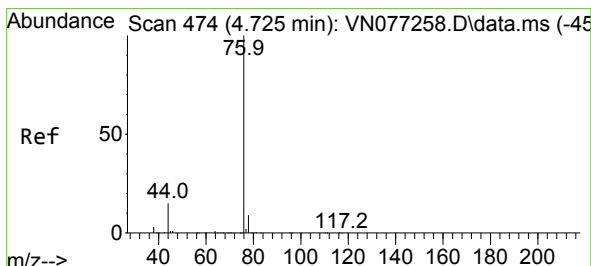
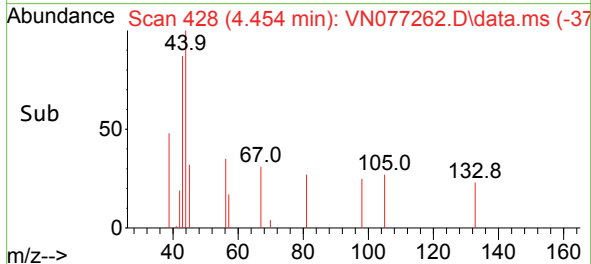
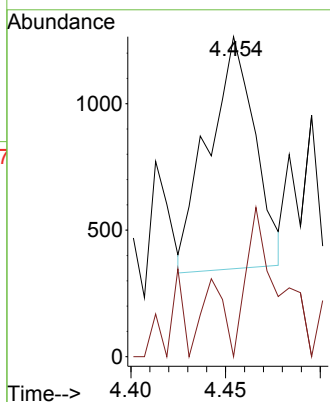
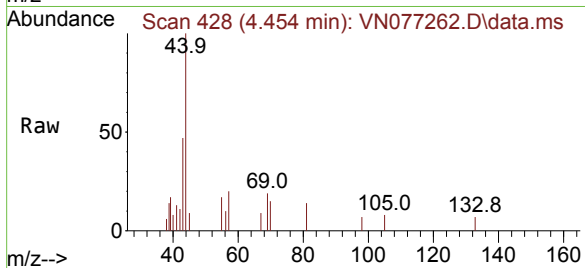




#16
Acetone
Concen: 0.606 ug/l
RT: 4.454 min Scan# 431
Delta R.T. 0.017 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

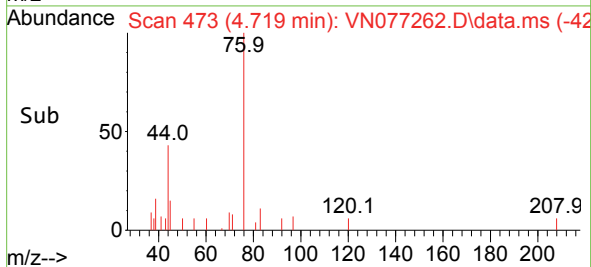
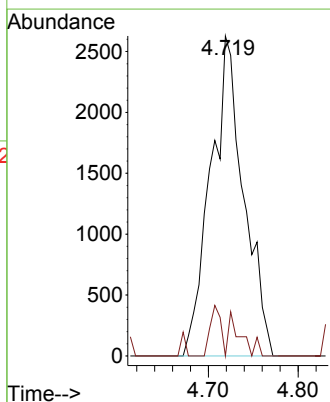
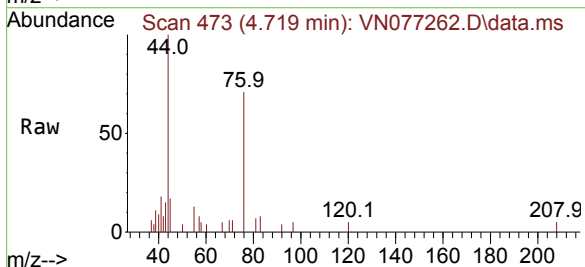
Instrument :
MSVOA_N
ClientSampleId :
IBLK

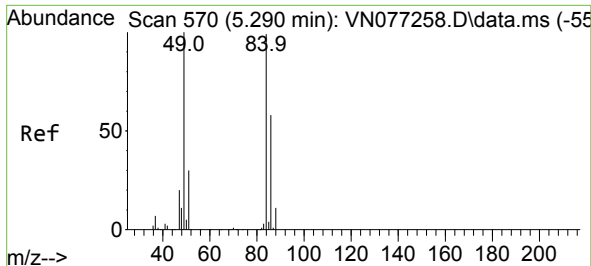
Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 4.719 min Scan# 473
Delta R.T. -0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 76 Resp: 6718
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

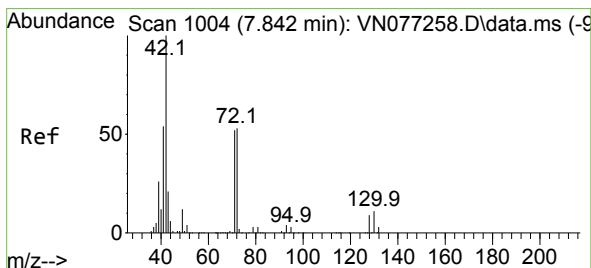
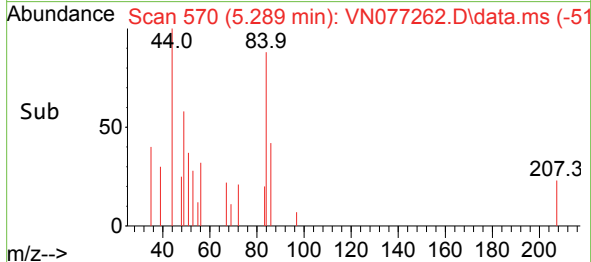
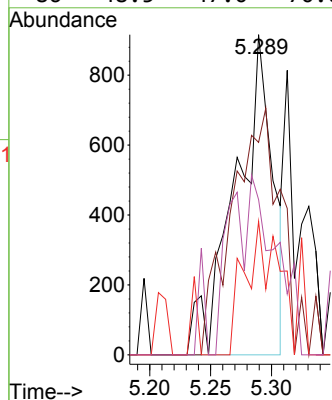
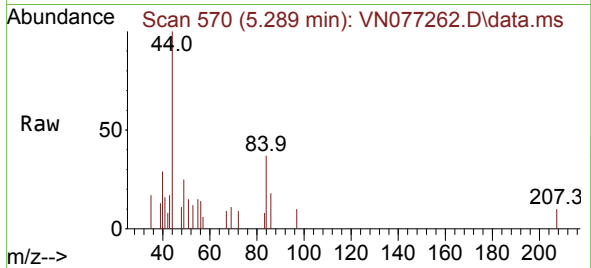




#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

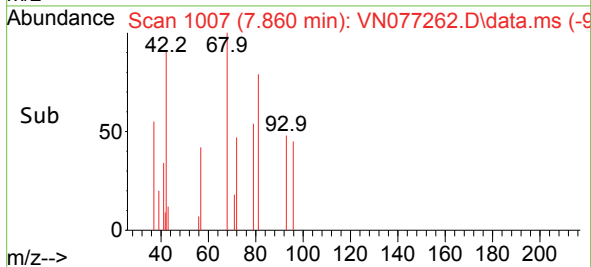
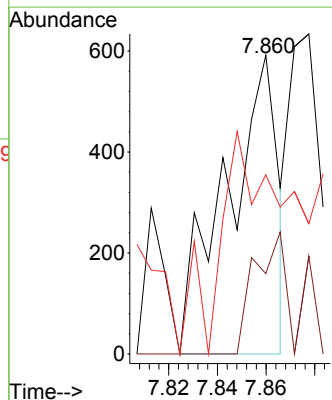
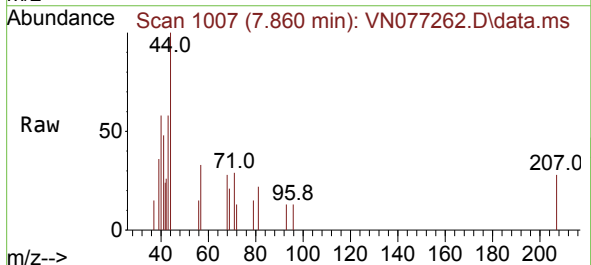
Instrument :
MSVOA_N
ClientSampleId :
IBLK

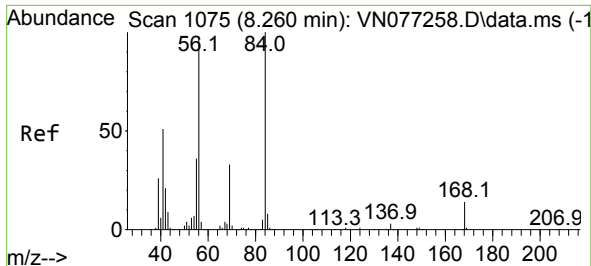
Tgt Ion: 84 Resp: 1933
Ion Ratio Lower Upper
84 100
49 66.4 80.6 121.0#
51 41.7 24.4 36.6#
86 48.5 47.0 70.6



#29
Tetrahydrofuran
Concen: 0.324 ug/l
RT: 7.860 min Scan# 1007
Delta R.T. 0.018 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 42 Resp: 876
Ion Ratio Lower Upper
42 100
72 31.6 44.6 66.8#
71 137.7 41.3 61.9#

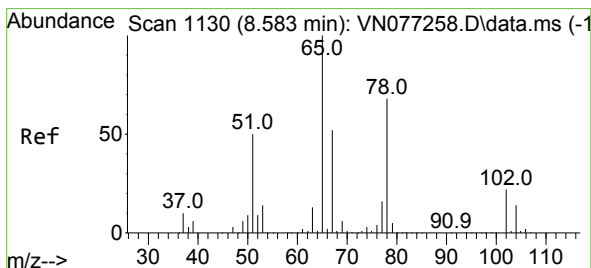
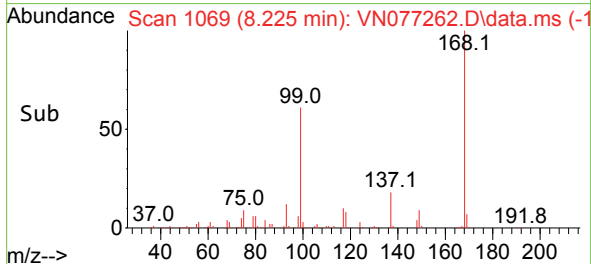
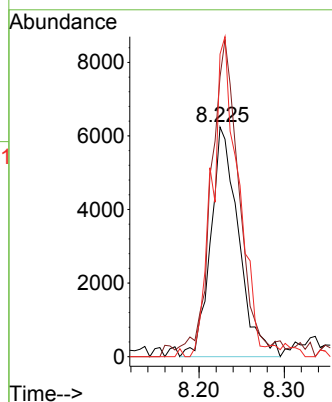
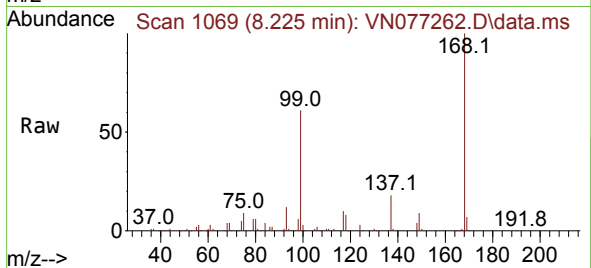




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

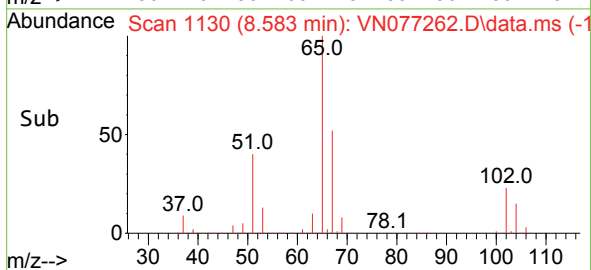
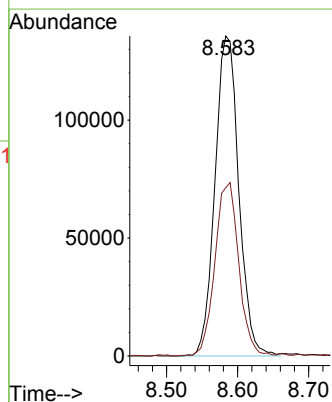
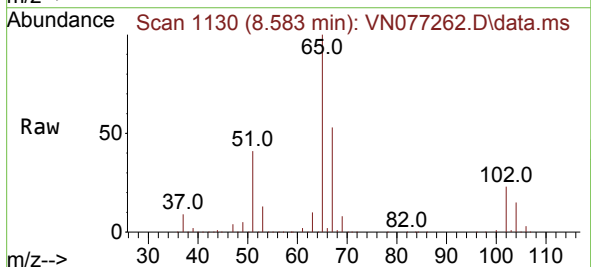
Instrument :
MSVOA_N
ClientSampleId :
IBLK

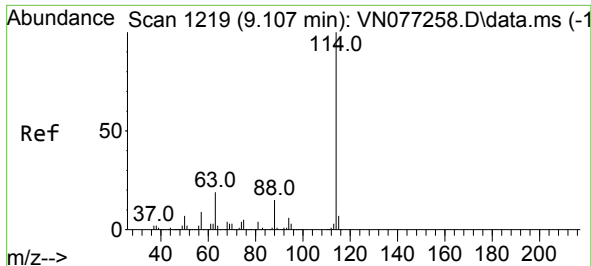
Tgt Ion: 56 Resp: 14127
Ion Ratio Lower Upper
56 100
69 117.5 26.6 40.0#
84 128.7 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 44.817 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 65 Resp: 315261
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

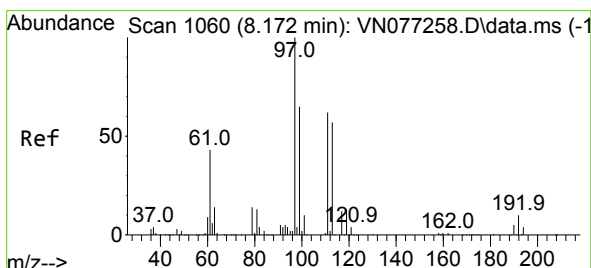
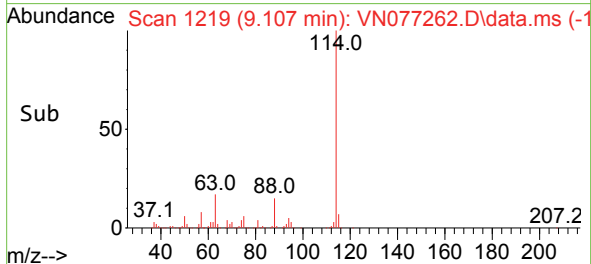
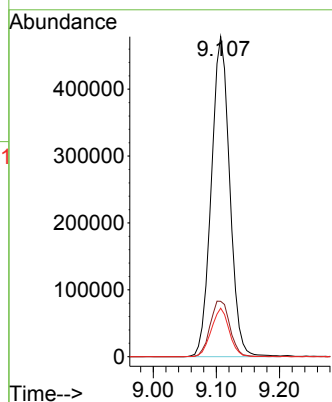
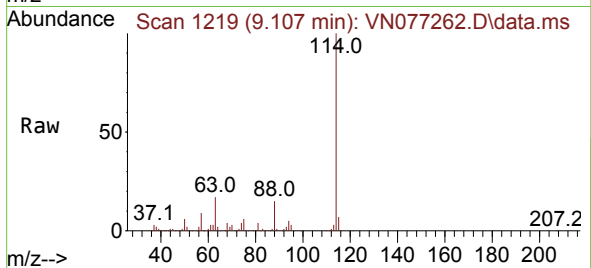
Tgt Ion:114 Resp: 969096

Ion Ratio Lower Upper

114 100

63 17.3 0.0 37.8

88 15.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.015 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

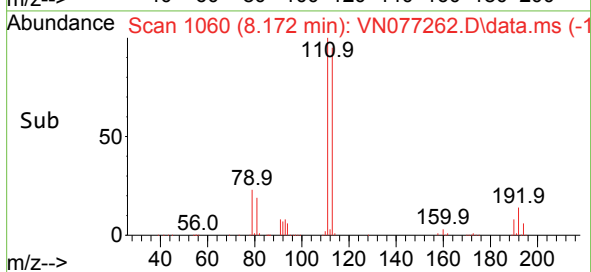
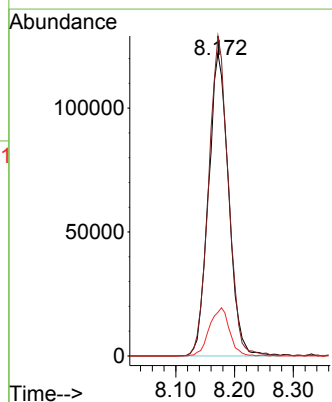
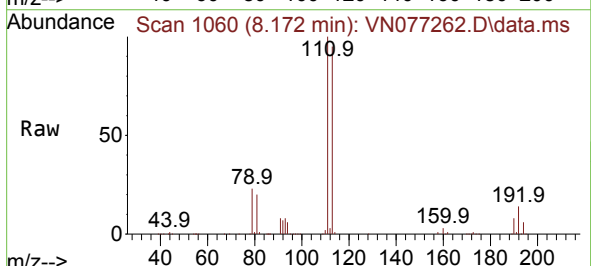
Tgt Ion:113 Resp: 291676

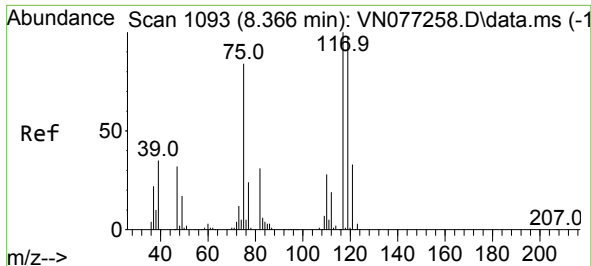
Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.0

192 15.8 13.5 20.3

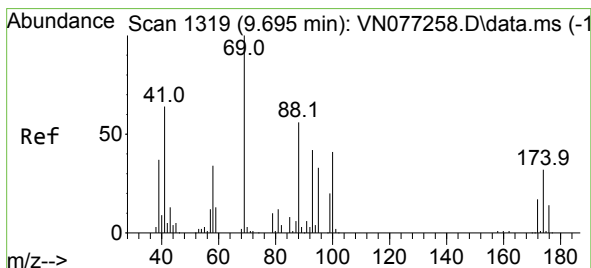
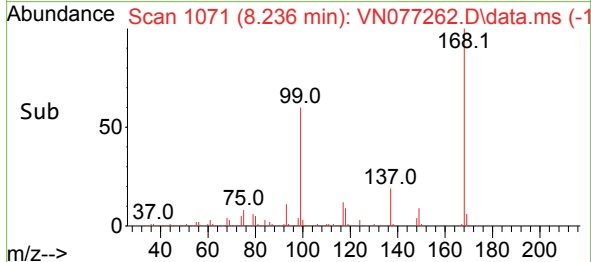
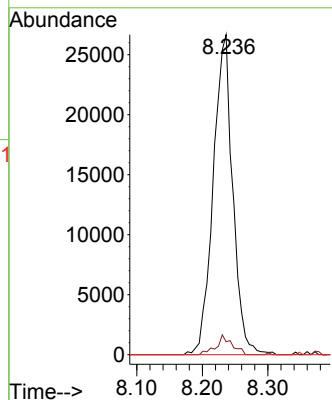
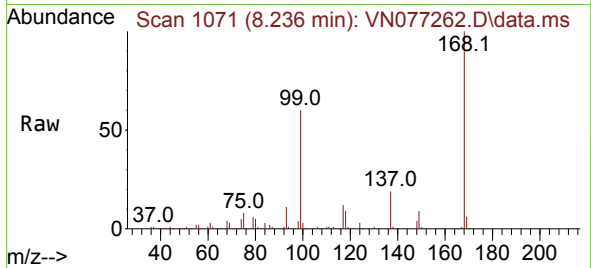




#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 8.236 min Scan# 11
Delta R.T. -0.130 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

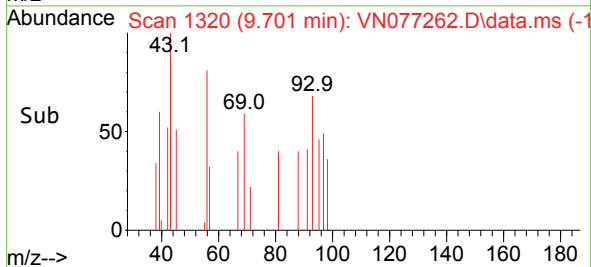
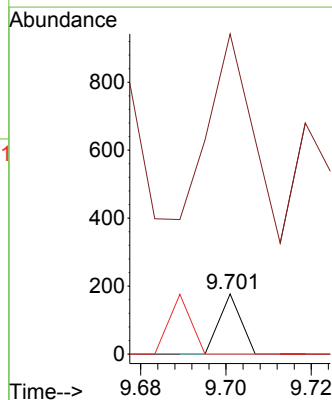
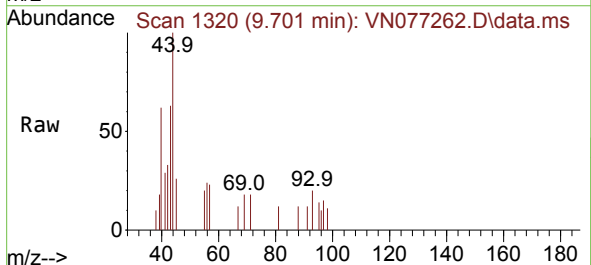
Instrument :
MSVOA_N
ClientSampleId :
IBLK

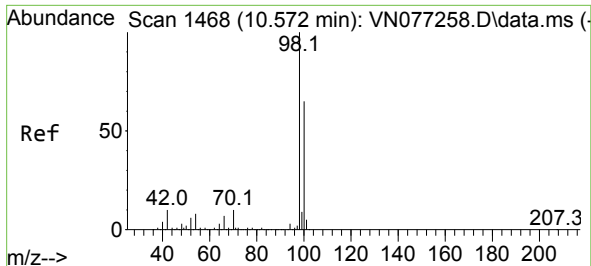
Tgt Ion:117 Resp: 55174
Ion Ratio Lower Upper
117 100
119 4.1 78.5 117.7#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 0.396 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 779.0 17.0 25.6#
58 100.0 49.8 74.6#

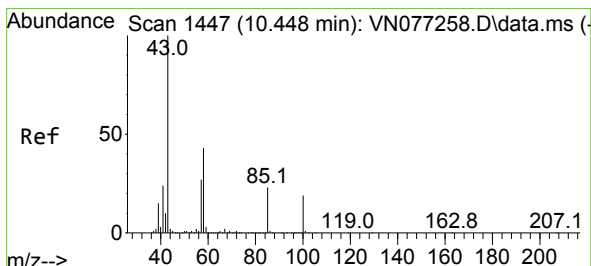
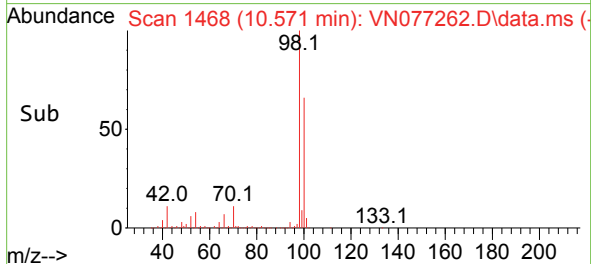
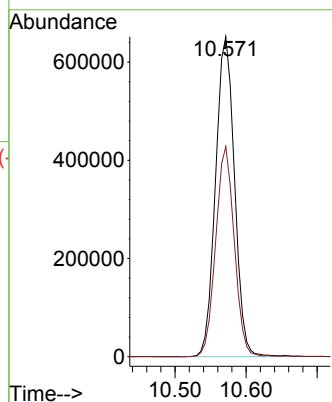
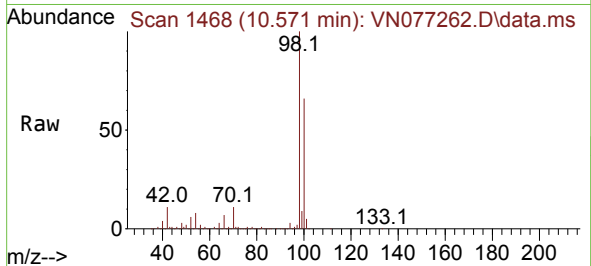




#50
Toluene-d8
Concen: 48.255 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

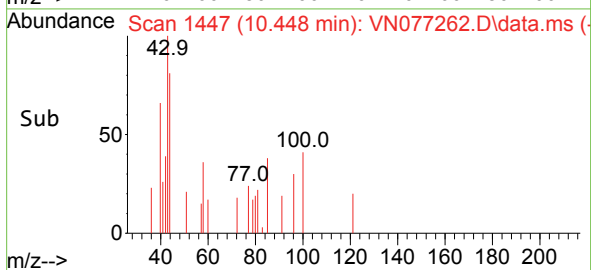
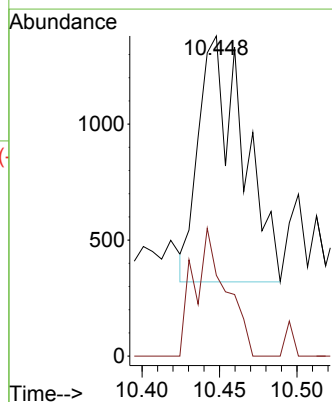
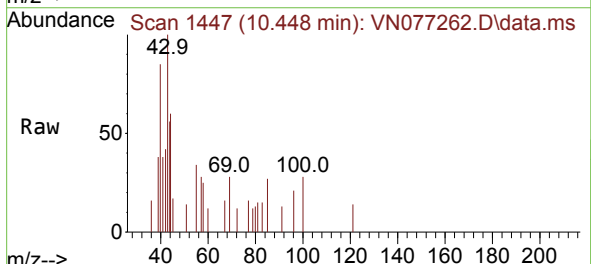
Instrument :
MSVOA_N
ClientSampleId :
IBLK

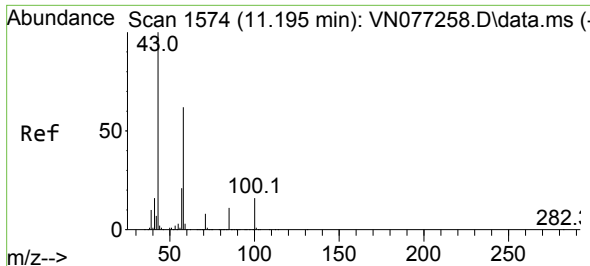
Tgt Ion: 98 Resp: 1205151
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
58 37.5 34.6 52.0

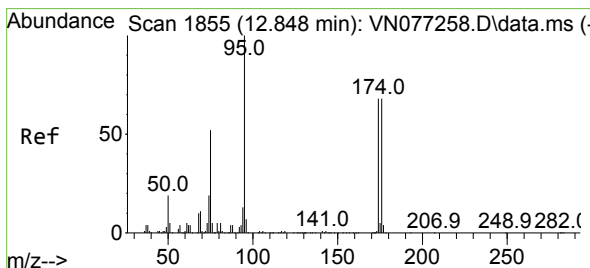
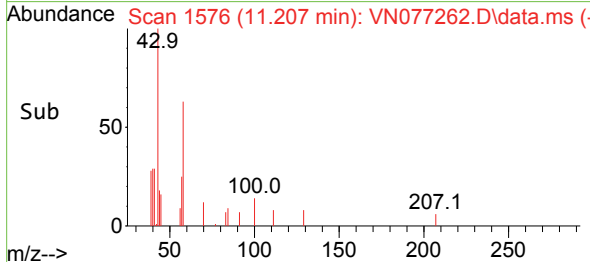
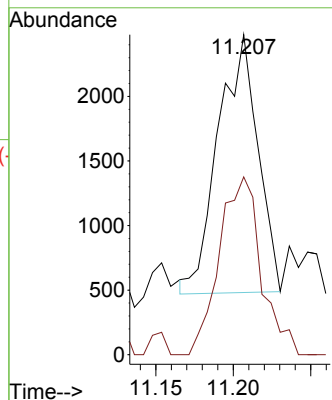
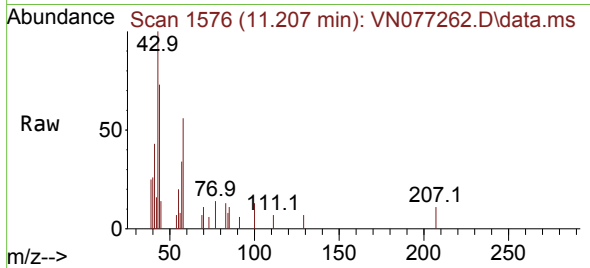




#59
2-Hexanone
Concen: 0.544 ug/l
RT: 11.207 min Scan# 1117
Delta R.T. 0.012 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

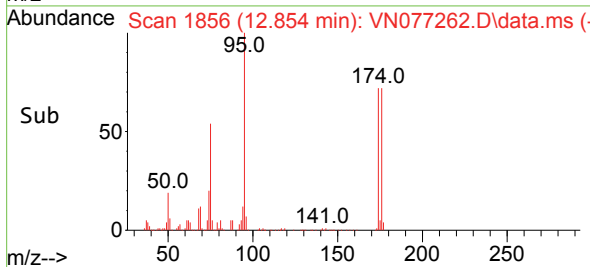
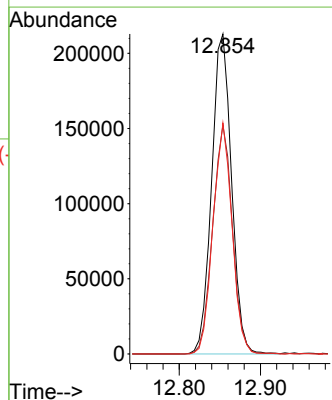
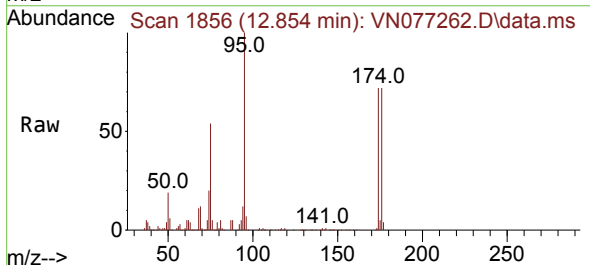
Instrument :
MSVOA_N
ClientSampleId :
IBLK

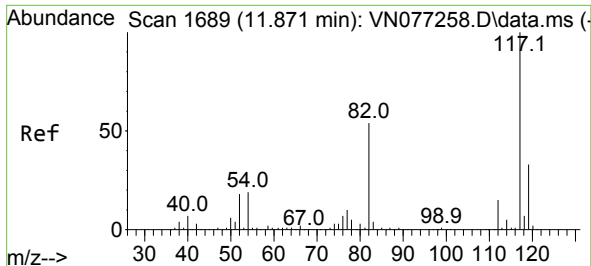
Tgt Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
58 72.5 30.9 92.5



#62
4-Bromofluorobenzene
Concen: 43.618 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 95 Resp: 362299
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.8
176 69.2 0.0 139.6

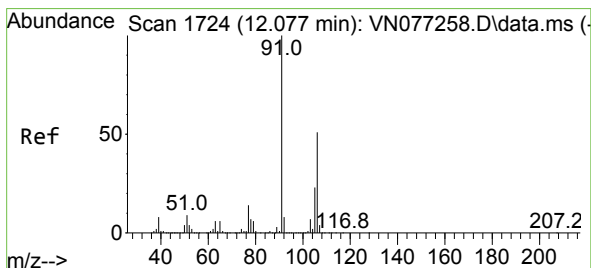
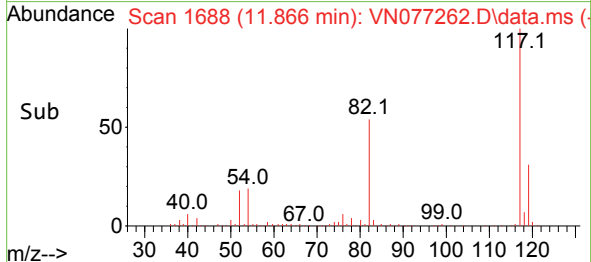
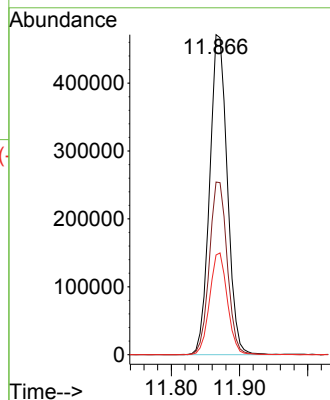
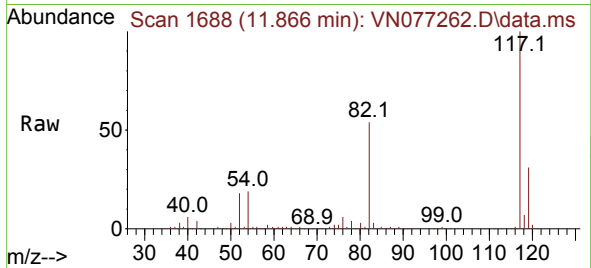




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

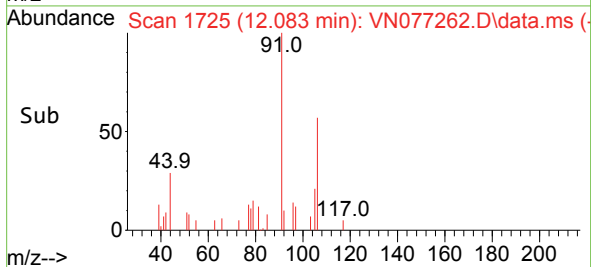
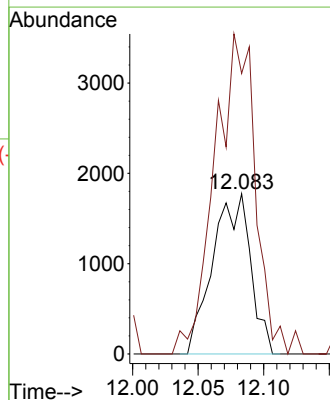
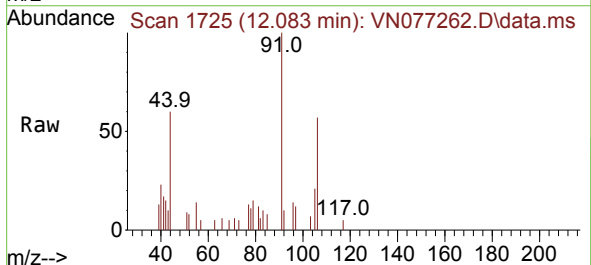
Instrument :
MSVOA_N
ClientSampleId :
IBLK

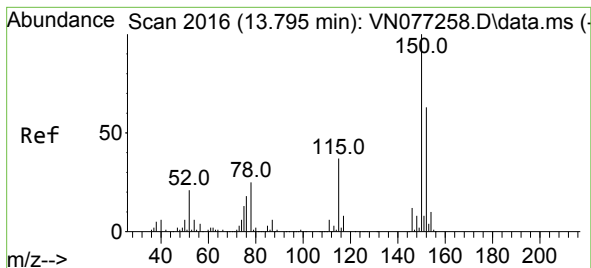
Tgt Ion:117 Resp: 849206
Ion Ratio Lower Upper
117 100
82 53.9 42.9 64.3
119 31.1 26.2 39.4



#68
m/p-Xylenes
Concen: 0.262 ug/l
RT: 12.083 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion:106 Resp: 3552
Ion Ratio Lower Upper
106 100
91 216.4 158.7 238.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

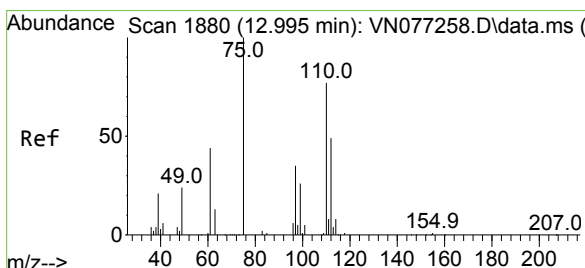
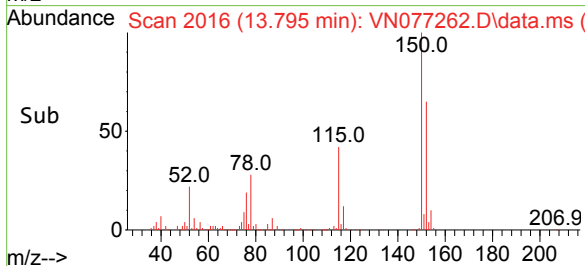
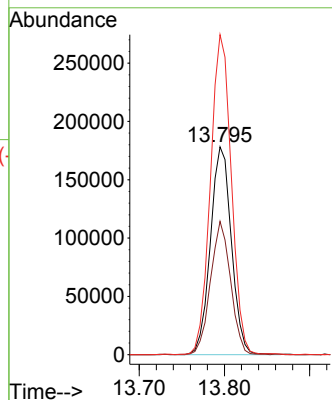
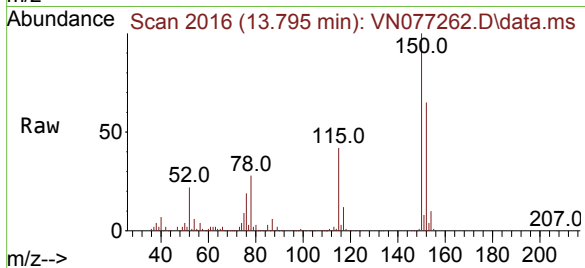
Tgt Ion:152 Resp: 305076

Ion Ratio Lower Upper

152 100

115 61.5 32.1 96.3

150 153.4 0.0 354.8



#76

1,2,3-Trichloropropane

Concen: 26.154 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077262.D

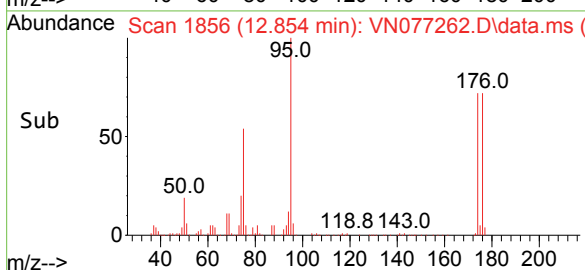
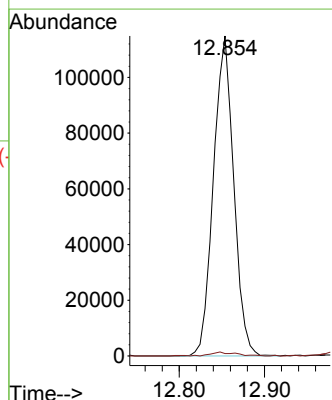
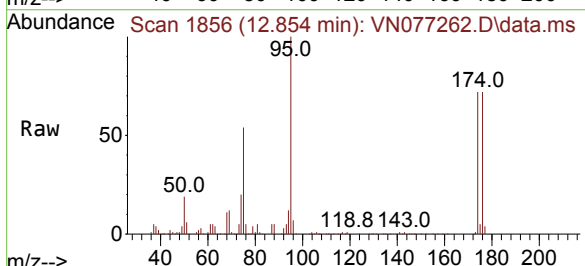
Acq: 05 Apr 2023 14:05

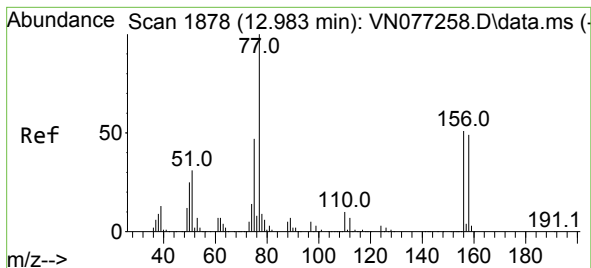
Tgt Ion: 75 Resp: 190003

Ion Ratio Lower Upper

75 100

77 1.5 88.3 264.9#





#77

Bromobenzene

Concen: 0.202 ug/l

RT: 12.989 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

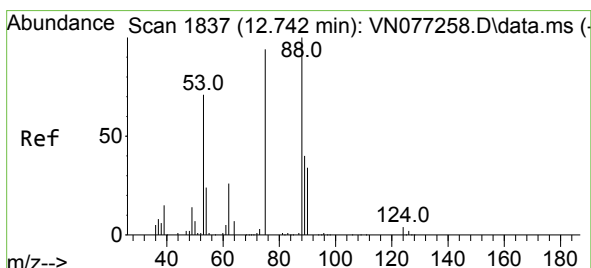
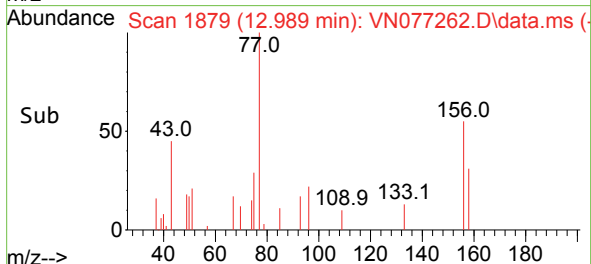
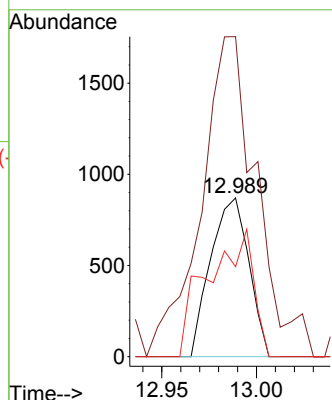
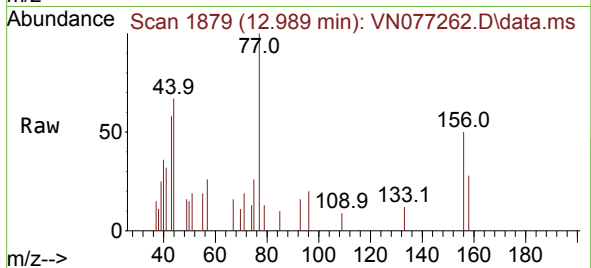
Tgt Ion:156 Resp: 1216

Ion Ratio Lower Upper

156 100

77 294.2 115.3 345.8

158 96.1 49.3 147.8



#81

trans-1,4-Dichloro-2-butene

Concen: 58.856 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077262.D

Acq: 05 Apr 2023 14:05

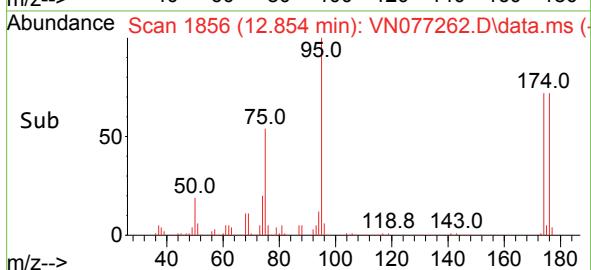
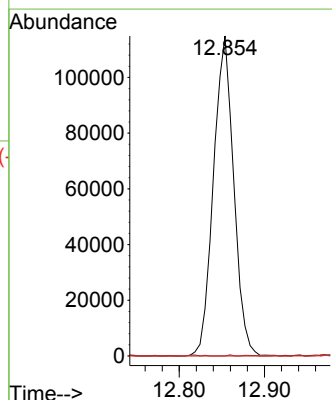
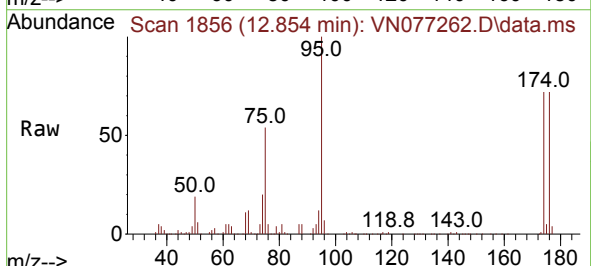
Tgt Ion: 75 Resp: 190003

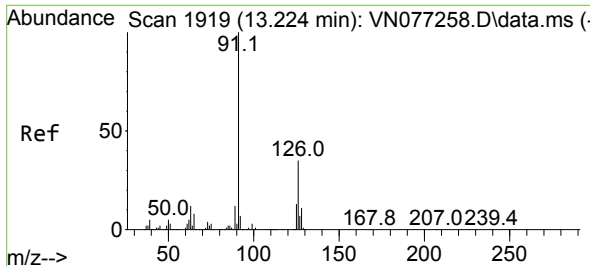
Ion Ratio Lower Upper

75 100

53 0.1 72.8 109.2#

89 0.0 37.4 56.2#

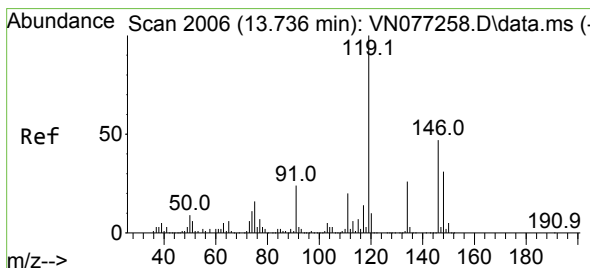
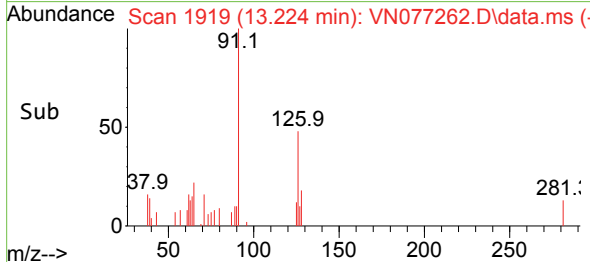
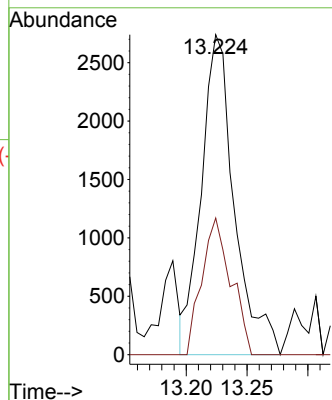
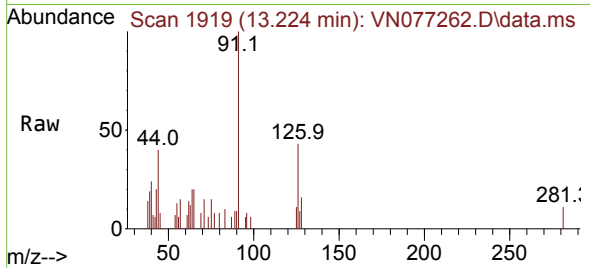




#82
4-Chlorotoluene
Concen: 0.279 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

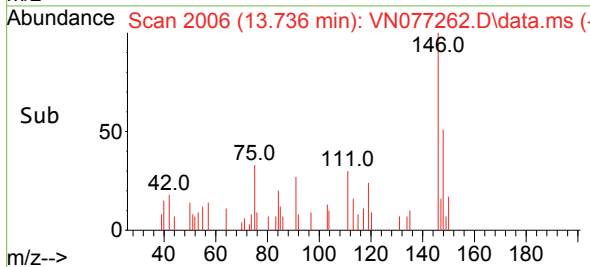
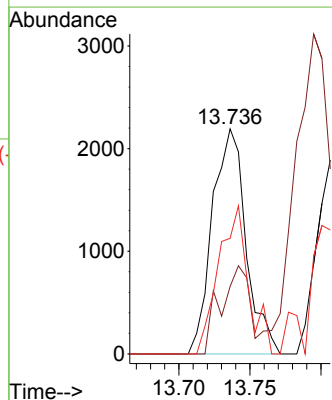
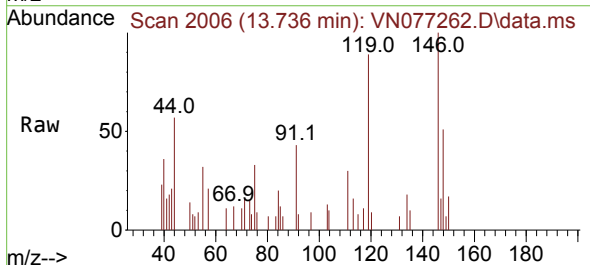
Instrument :
MSVOA_N
ClientSampleId :
IBLK

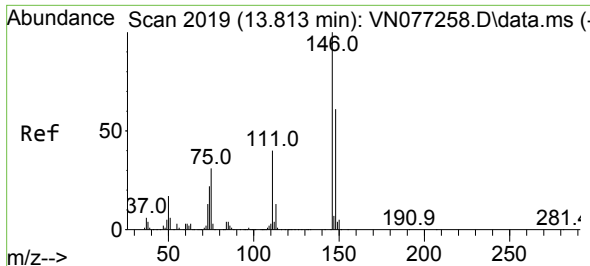
Tgt Ion: 91 Resp: 5187
Ion Ratio Lower Upper
91 100
126 37.7 16.9 50.7



#87
1,3-Dichlorobenzene
Concen: 0.324 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 146 Resp: 3608
Ion Ratio Lower Upper
146 100
111 35.3 21.8 65.4
148 58.3 31.7 95.1

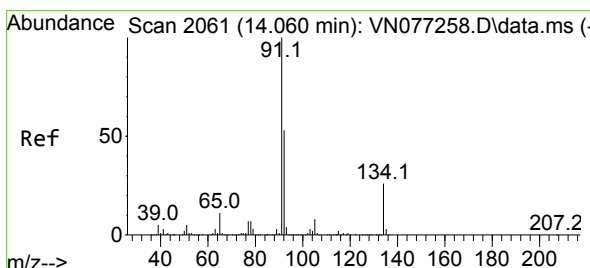
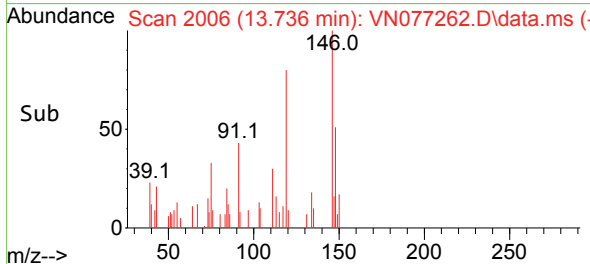
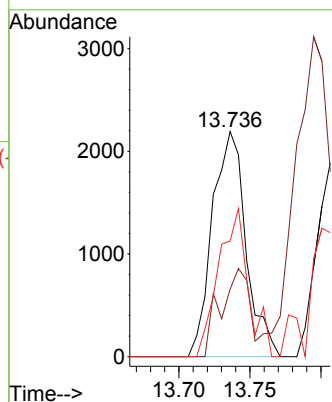
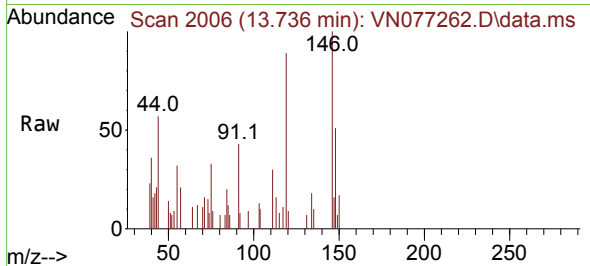




#88
1,4-Dichlorobenzene
Concen: 0.328 ug/l
RT: 13.736 min Scan# 2019
Delta R.T. -0.077 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

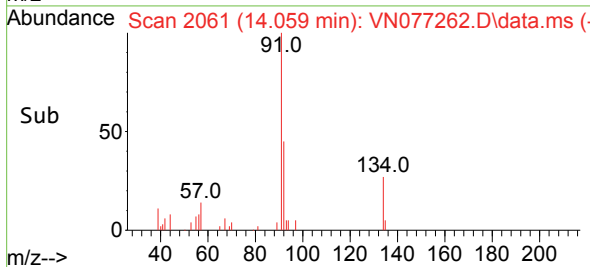
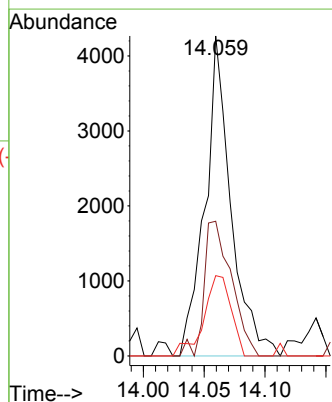
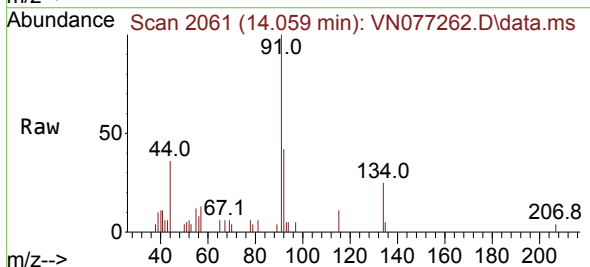
Instrument :
MSVOA_N
ClientSampleId :
IBLK

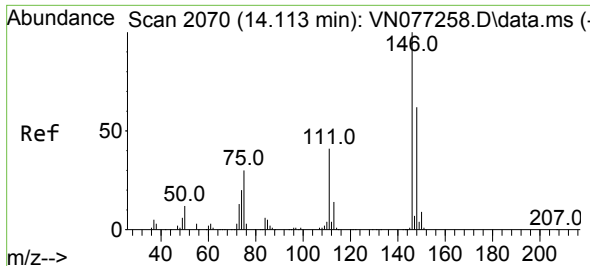
Tgt Ion:146 Resp: 3608
Ion Ratio Lower Upper
146 100
111 35.3 20.4 61.2
148 58.3 31.6 95.0



#89
n-Butylbenzene
Concen: 0.331 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion: 91 Resp: 6332
Ion Ratio Lower Upper
91 100
92 44.3 26.7 80.0
134 26.4 12.8 38.3

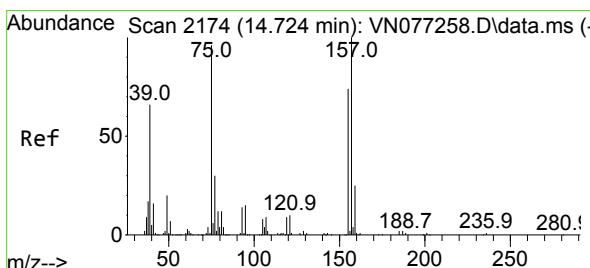
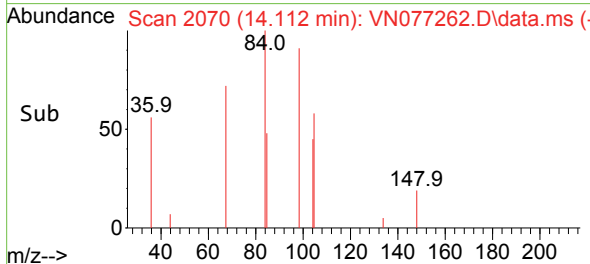
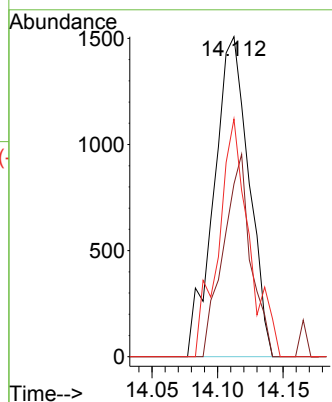
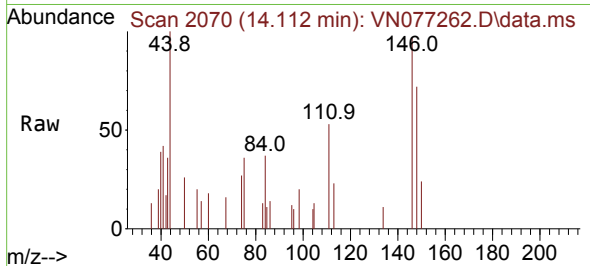




#91
1,2-Dichlorobenzene
Concen: 0.250 ug/l
RT: 14.112 min Scan# 2070
Delta R.T. -0.001 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

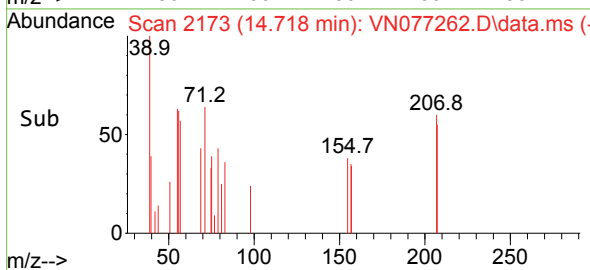
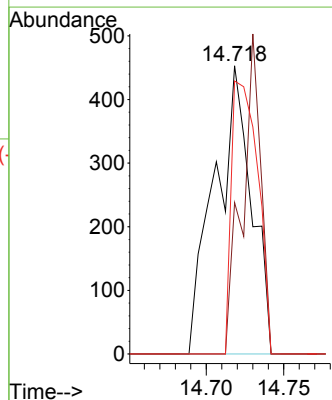
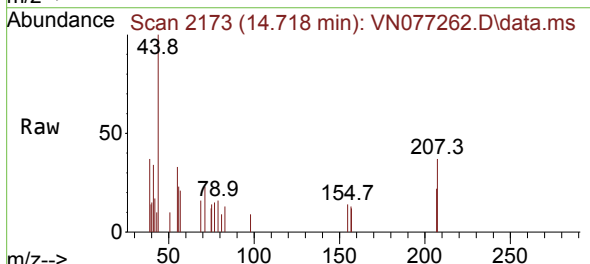
Instrument :
MSVOA_N
ClientSampleId :
IBLK

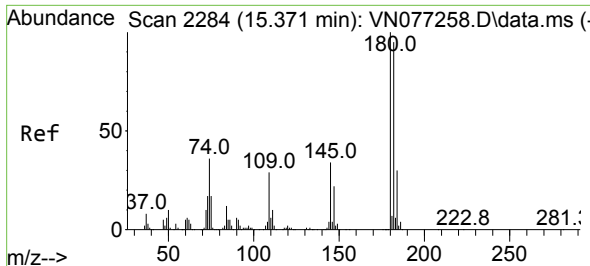
Tgt Ion:	146	Resp:	2789
Ion	Ratio	Lower	Upper
146	100		
111	49.9	21.9	65.5
148	65.9	31.9	95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.423 ug/l
RT: 14.718 min Scan# 2173
Delta R.T. -0.006 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion:	75	Resp:	745
Ion	Ratio	Lower	Upper
75	100		
155	56.4	41.0	123.2
157	68.1	54.0	162.0

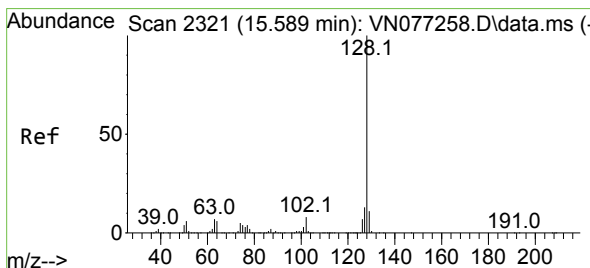
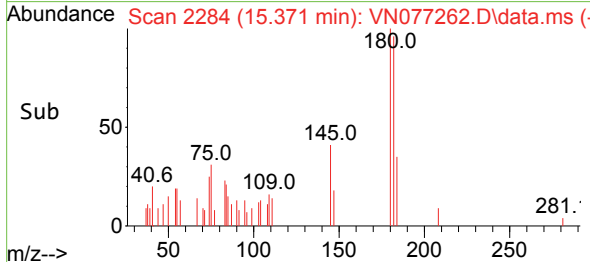
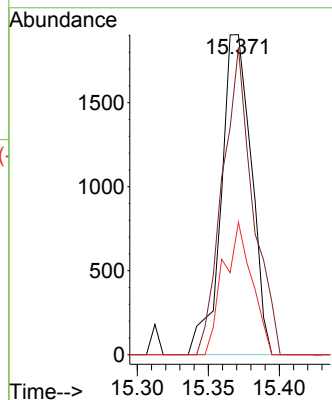
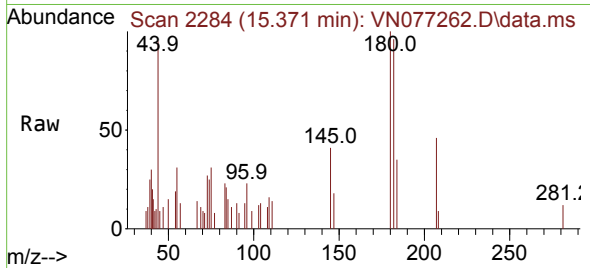




#93
1,2,4-Trichlorobenzene
Concen: 0.700 ug/l
RT: 15.371 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

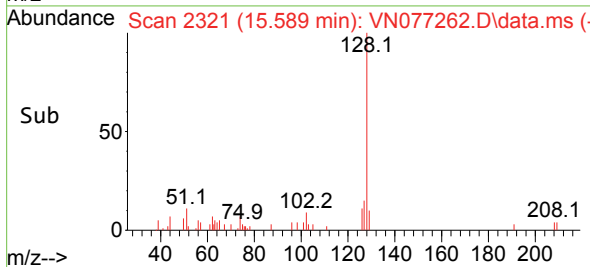
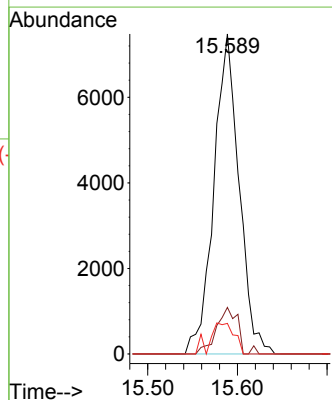
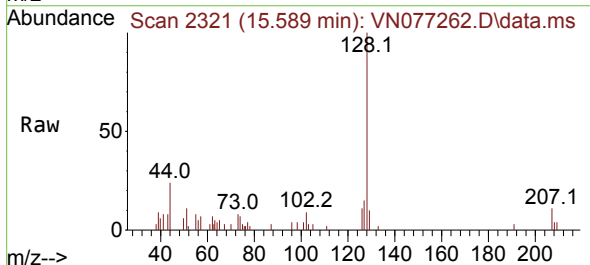
Instrument :
MSVOA_N
ClientSampleId :
IBLK

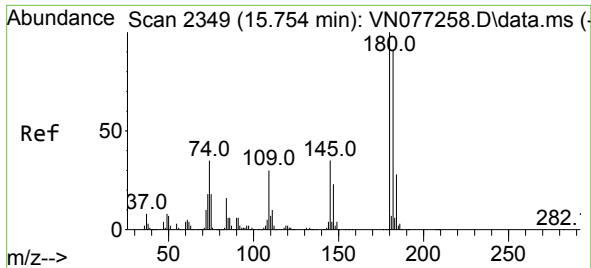
Tgt Ion:180	Resp:	2816
Ion Ratio	Lower	Upper
180	100	
182	96.6	46.7 140.0
145	39.2	16.6 49.8



#95
Naphthalene
Concen: 0.966 ug/l
RT: 15.589 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VN077262.D
Acq: 05 Apr 2023 14:05

Tgt Ion:128	Resp:	14615
Ion Ratio	Lower	Upper
128	100	
127	11.9	10.2 15.4
129	9.4	8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.740 ug/l
 RT: 15.765 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN077262.D
 Acq: 05 Apr 2023 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:180	Resp:	2850
Ion	Ratio	Lower Upper
180	100	
182	93.5	46.9 140.8
145	32.8	17.6 52.8

