

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077368.D
 Acq On : 19 Apr 2023 11:54
 Operator : JC\MD
 Sample : VN0419WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBL01

Quant Time: Apr 20 04:24:30 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)

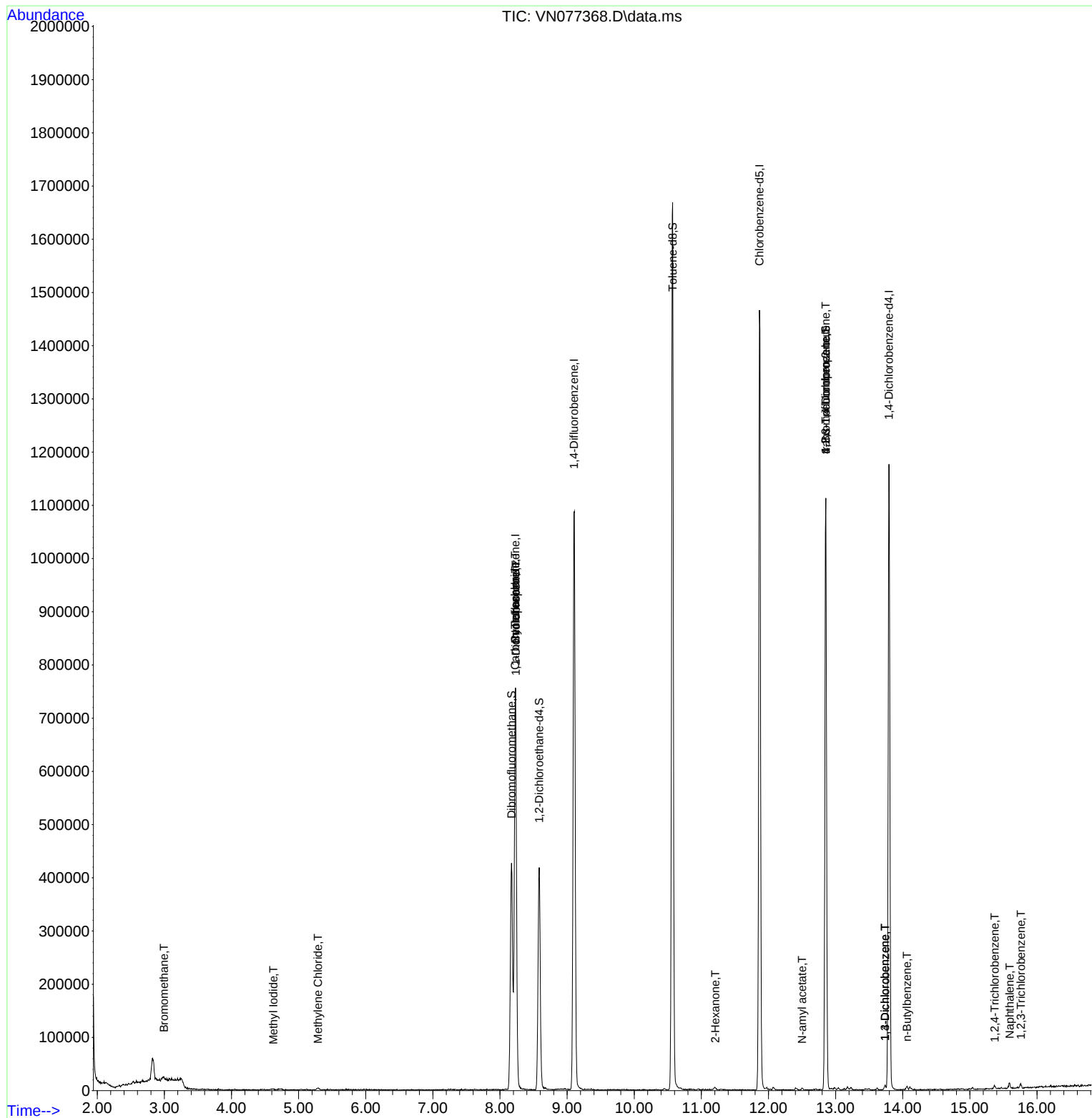
Internal Standards						
1) Pentafluorobenzene	8.231	168	547277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1026341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	896163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	318530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	338490	45.254	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.500%		
35) Dibromofluoromethane	8.172	113	307261	46.765	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.520%		
50) Toluene-d8	10.572	98	1228693	46.454	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.854	95	402025	45.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.400%		
Target Compounds						Qvalue
5) Bromomethane	2.996	94	6686	0.786	ug/l	86
10) Methyl Iodide	4.625	142	4020	0.531	ug/l #	71
20) Methylene Chloride	5.290	84	1873	0.240	ug/l #	49
31) Cyclohexane	8.231	56	13191	1.135	ug/l #	38
36) 1,1-Dichloropropene	8.236	75	45992	4.733	ug/l #	50
38) Carbon Tetrachloride	8.225	117	58238	5.850	ug/l #	13
59) 2-Hexanone	11.207	43	3957	0.573	ug/l	78
74) N-amyl acetate	12.501	43	2406	0.205	ug/l #	72
76) 1,2,3-Trichloropropane	12.854	75	216454	28.537	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	216454	64.217	ug/l #	13
87) 1,3-Dichlorobenzene	13.736	146	2395	0.206	ug/l	95
88) 1,4-Dichlorobenzene	13.736	146	2395	0.209	ug/l	97
89) n-Butylbenzene	14.066	91	4078	0.204	ug/l	93
93) 1,2,4-Trichlorobenzene	15.371	180	1696	0.404	ug/l	88
95) Naphthalene	15.595	128	8537	0.541	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.760	180	2295	0.571	ug/l	91

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

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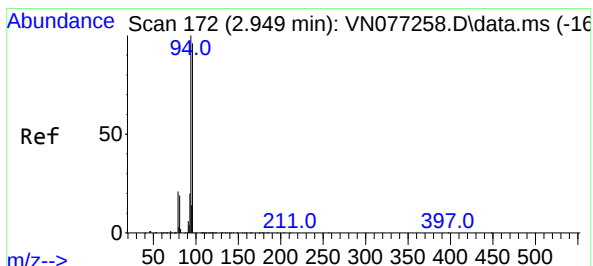
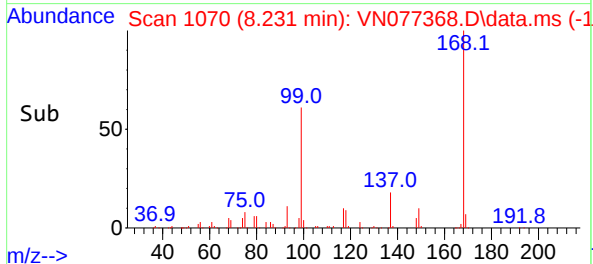
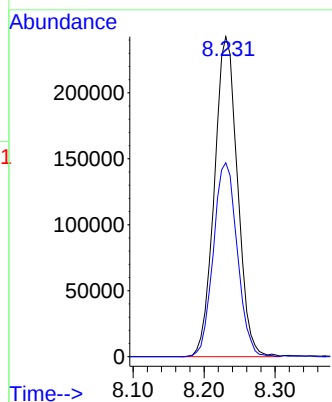
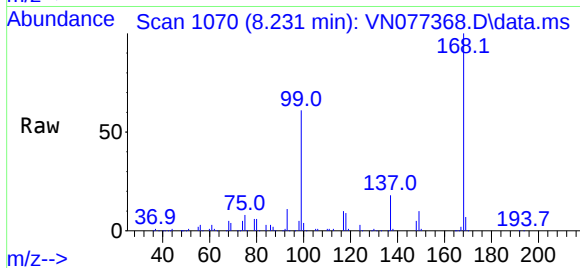




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

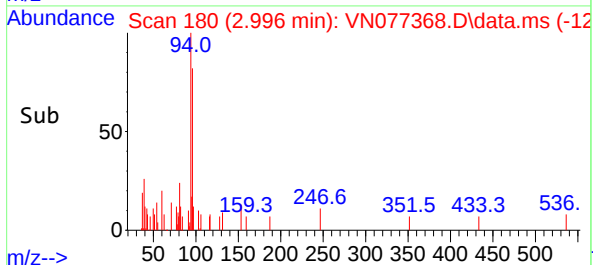
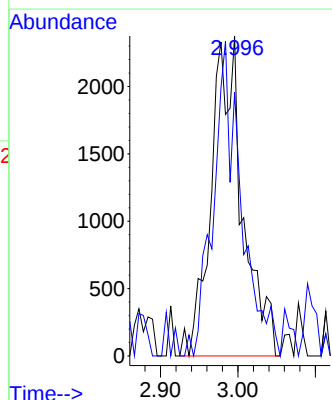
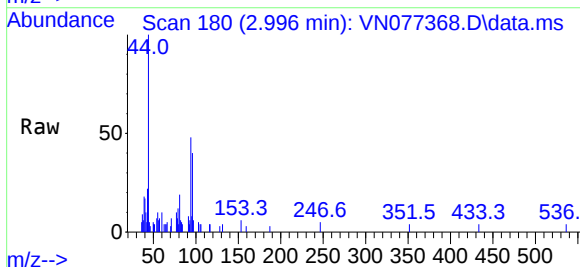
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL01

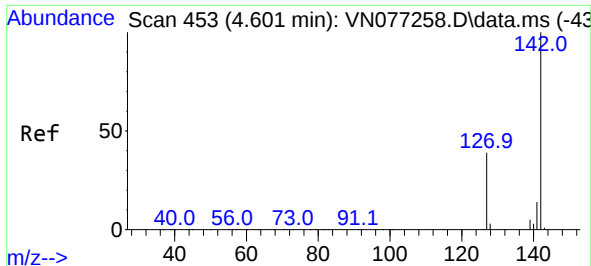
Tgt Ion:168 Resp: 547277
Ion Ratio Lower Upper
168 100
99 60.6 50.6 75.8



#5
Bromomethane
Concen: 0.786 ug/l
RT: 2.996 min Scan# 180
Delta R.T. 0.047 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 94 Resp: 6686
Ion Ratio Lower Upper
94 100
96 82.4 77.0 115.4

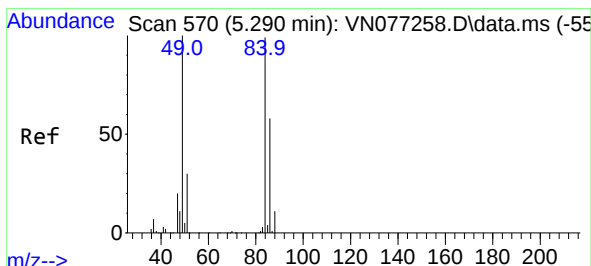
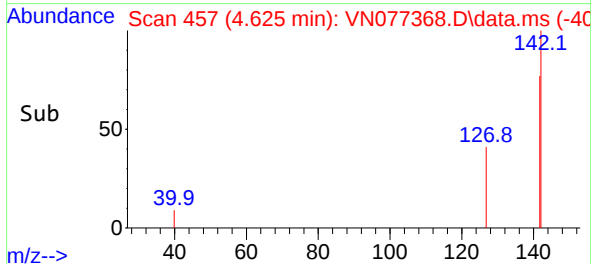
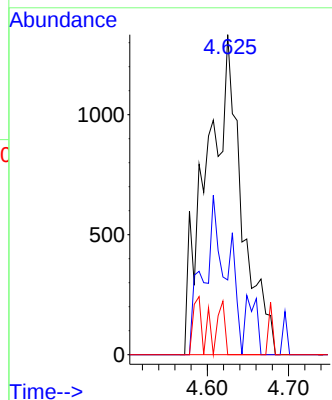
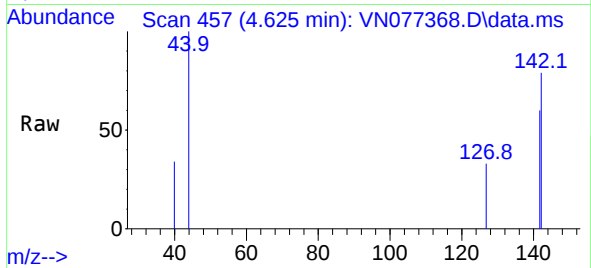




#10
Methyl Iodide
Concen: 0.531 ug/l
RT: 4.625 min Scan# 457
Delta R.T. 0.024 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

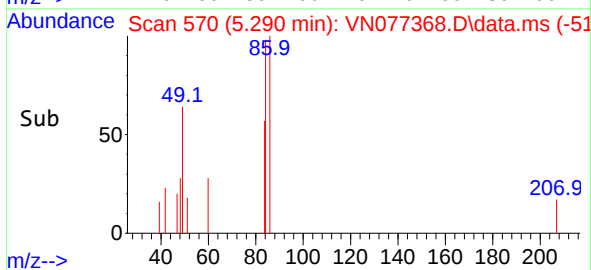
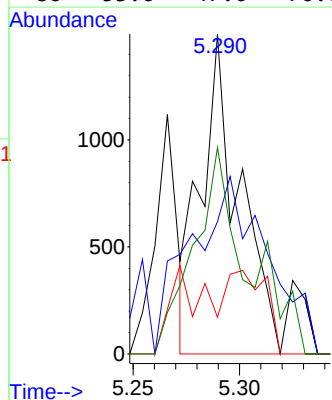
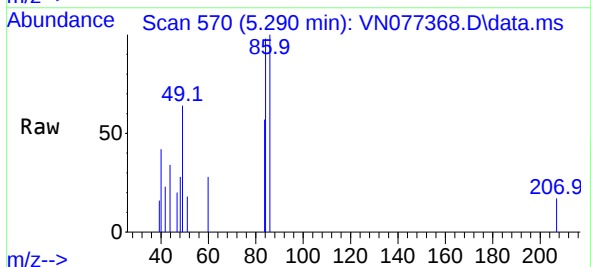
Instrument :
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ClientSampleId :
VN0419WBL01

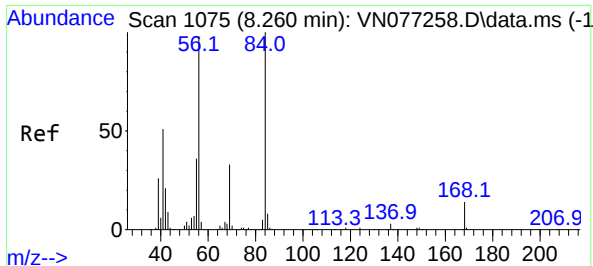
Tgt Ion:142 Resp: 4020
Ion Ratio Lower Upper
142 100
127 23.3 31.5 47.3#
141 0.0 11.4 17.2#



#20
Methylene Chloride
Concen: 0.240 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 84 Resp: 1873
Ion Ratio Lower Upper
84 100
49 19.5 80.6 121.0#
51 11.5 24.4 36.6#
86 53.6 47.0 70.6





#31

Cyclohexane

Concen: 1.135 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN077368.D

Acq: 19 Apr 2023 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL01

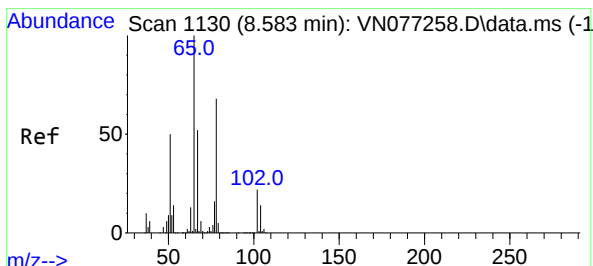
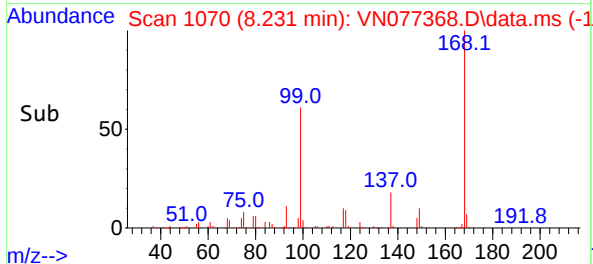
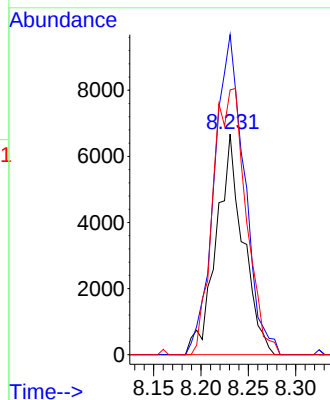
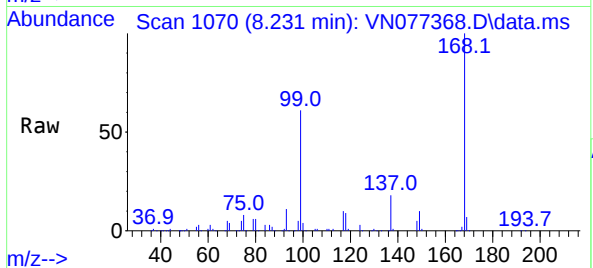
Tgt Ion: 56 Resp: 13191

Ion Ratio Lower Upper

56 100

69 145.1 26.6 40.0#

84 120.0 81.8 122.8



#33

1,2-Dichloroethane-d4

Concen: 45.254 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077368.D

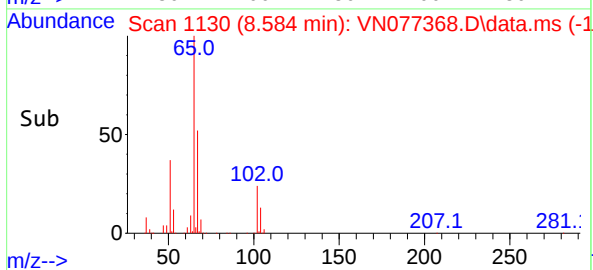
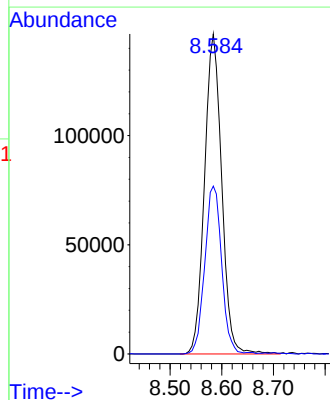
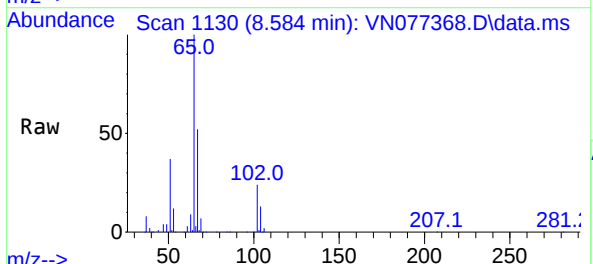
Acq: 19 Apr 2023 11:54

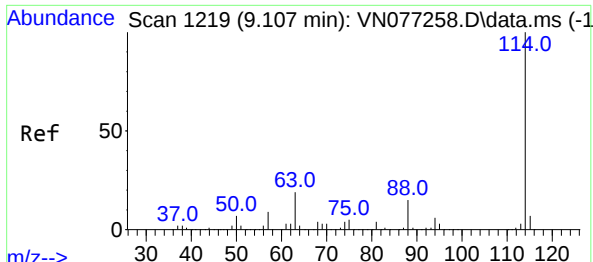
Tgt Ion: 65 Resp: 338490

Ion Ratio Lower Upper

65 100

67 51.3 0.0 108.8

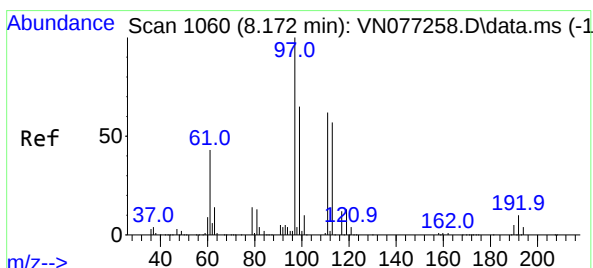
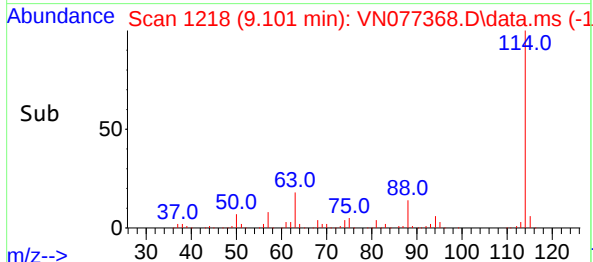
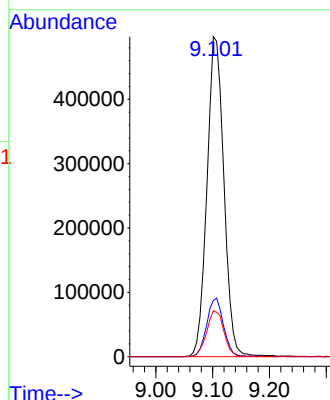
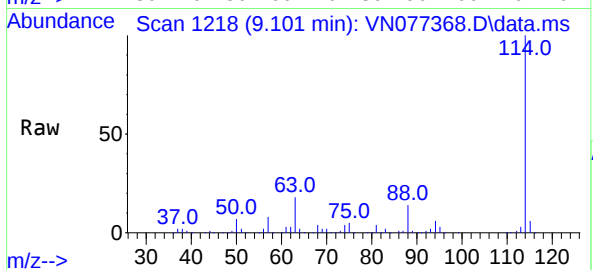




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.101 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

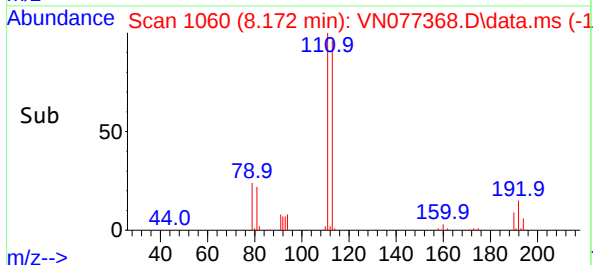
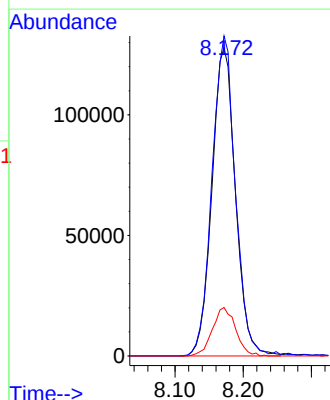
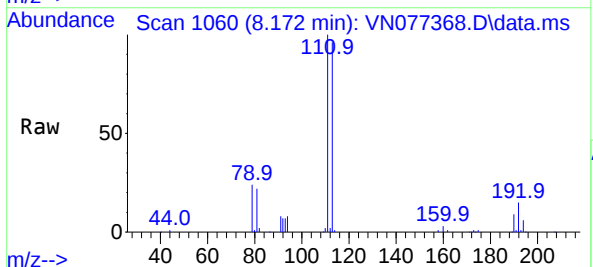
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL01

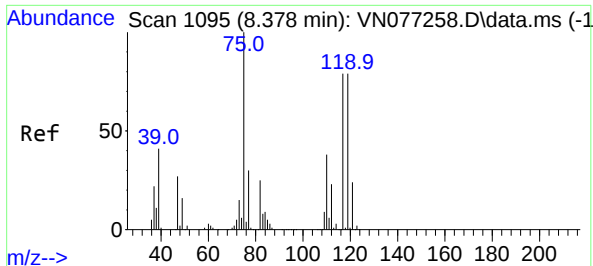
Tgt Ion:114 Resp: 1026341
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.8
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.765 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion:113 Resp: 307261
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.0
192 15.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.733 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.142 min

Lab File: VN077368.D

Acq: 19 Apr 2023 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL01

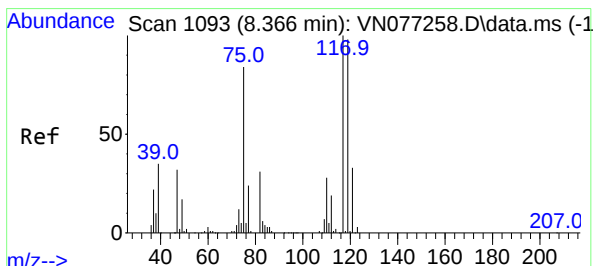
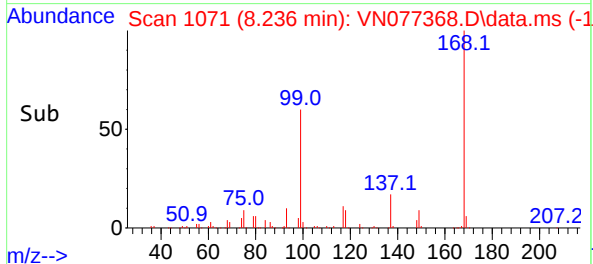
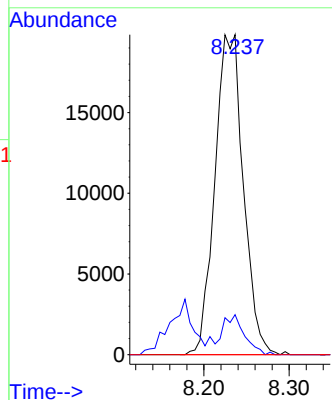
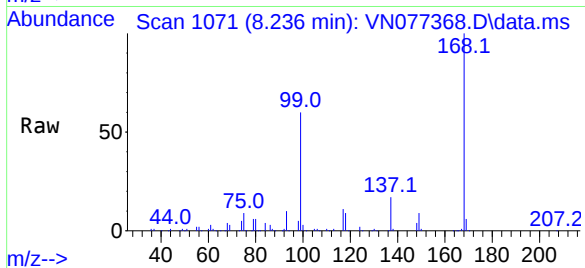
Tgt Ion: 75 Resp: 45992

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.850 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.141 min

Lab File: VN077368.D

Acq: 19 Apr 2023 11:54

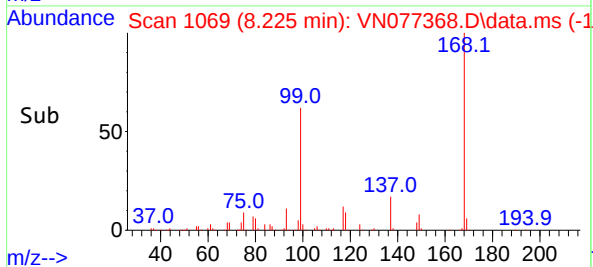
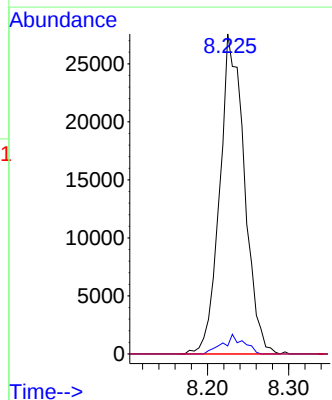
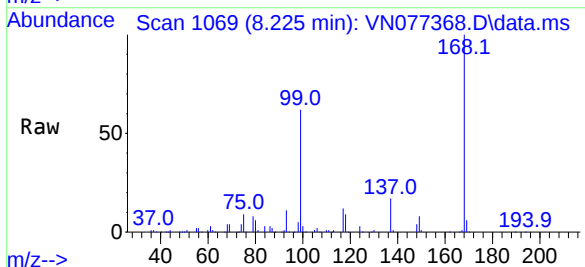
Tgt Ion: 117 Resp: 58238

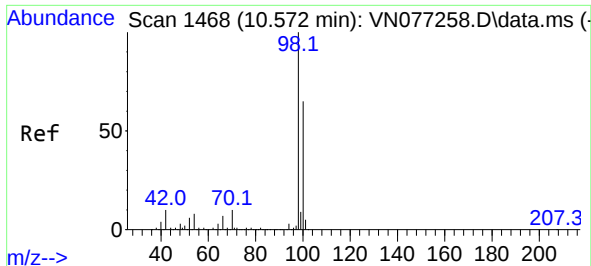
Ion Ratio Lower Upper

117 100

119 2.5 78.5 117.7#

121 0.0 26.6 40.0#

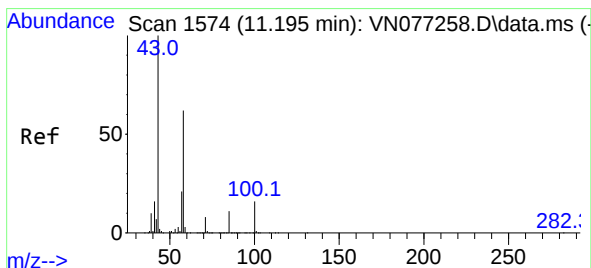
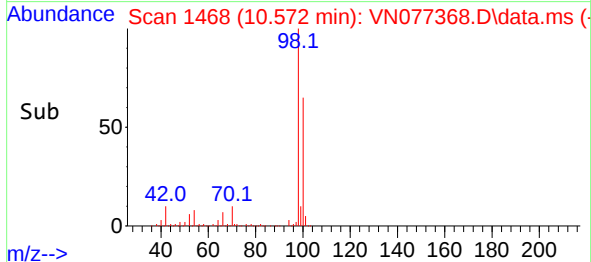
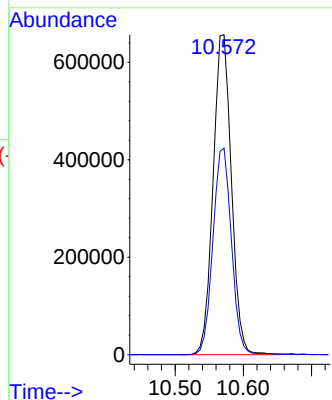
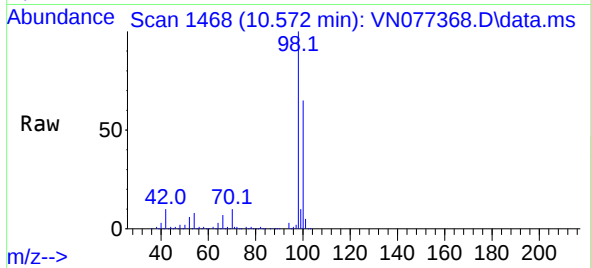




#50
Toluene-d8
Concen: 46.454 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

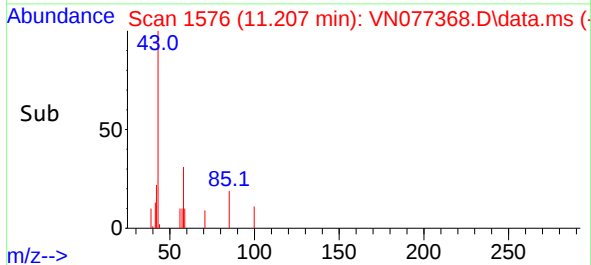
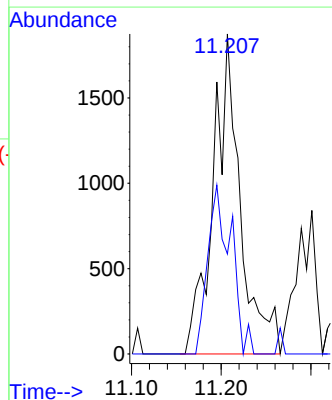
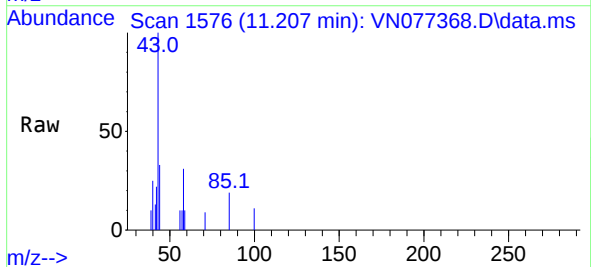
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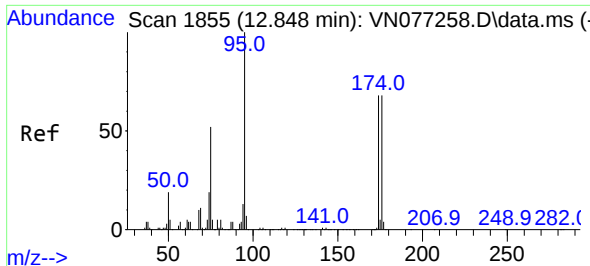
Tgt Ion: 98 Resp: 1228693
Ion Ratio Lower Upper
98 100
100 65.2 51.3 76.9



#59
2-Hexanone
Concen: 0.573 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
58 45.0 30.9 92.5

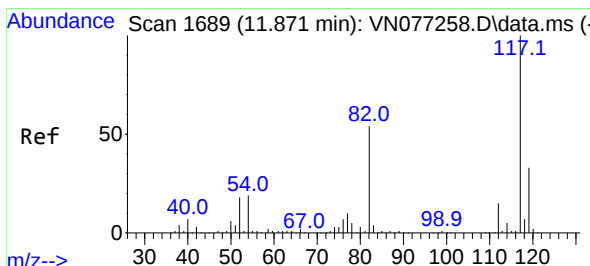
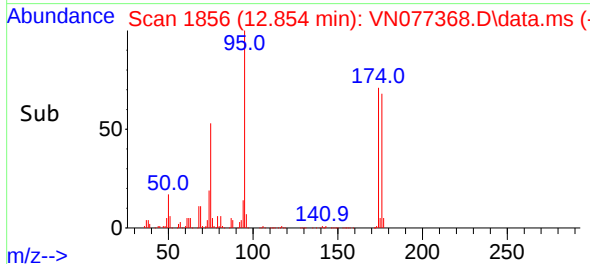
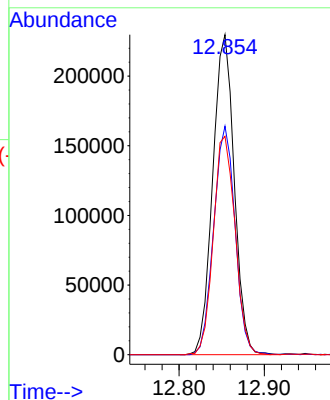
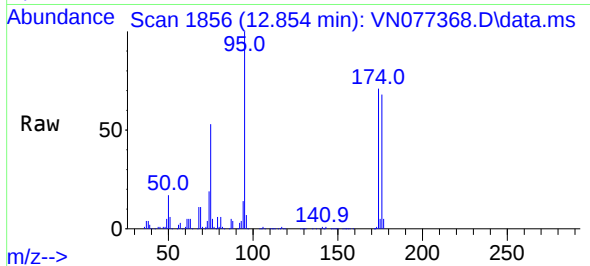




#62
4-Bromofluorobenzene
Concen: 45.701 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

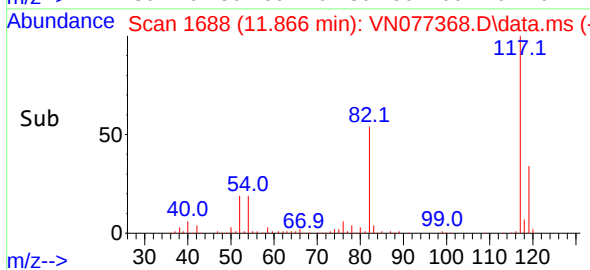
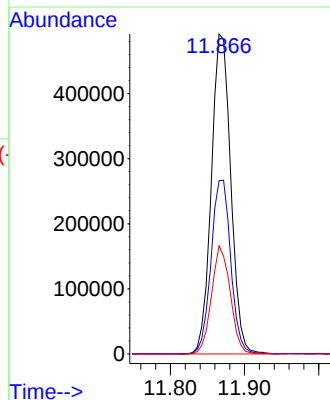
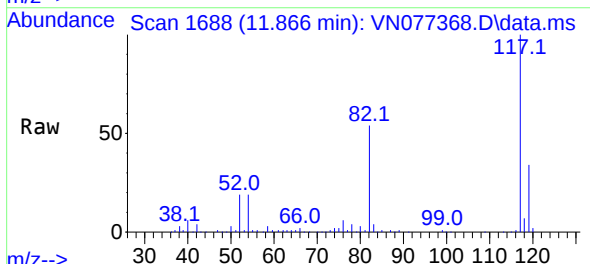
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VN0419WBL01

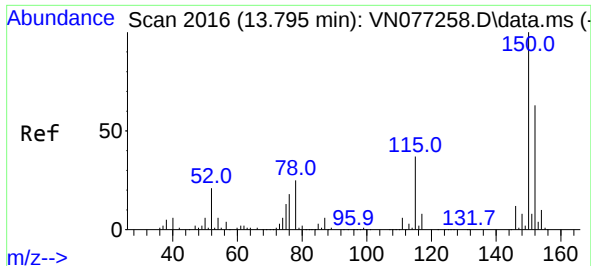
Tgt Ion: 95 Resp: 402025
Ion Ratio Lower Upper
95 100
174 70.9 0.0 146.8
176 69.3 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 117 Resp: 896163
Ion Ratio Lower Upper
117 100
82 54.1 42.9 64.3
119 33.8 26.2 39.4

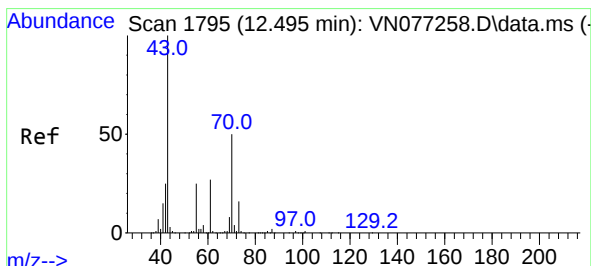
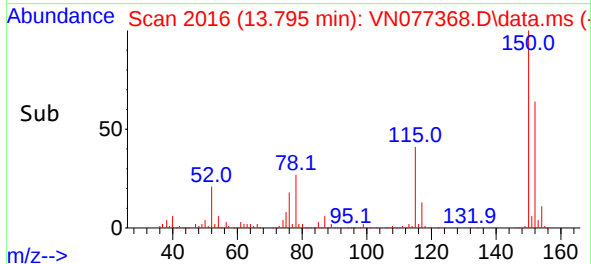
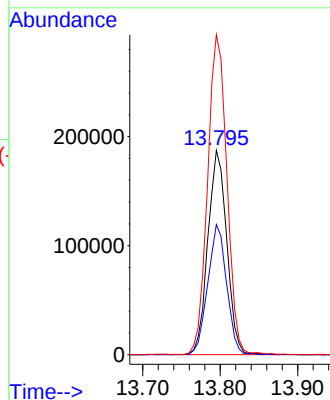
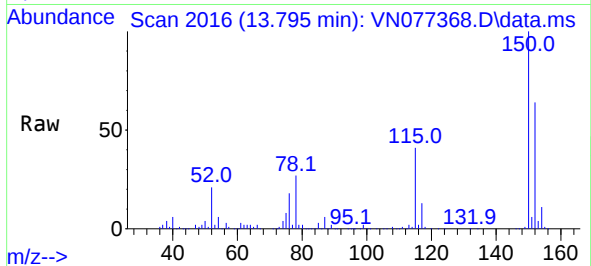




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

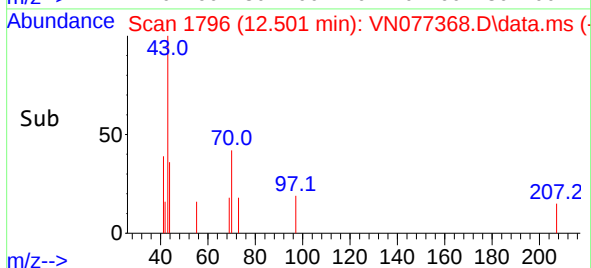
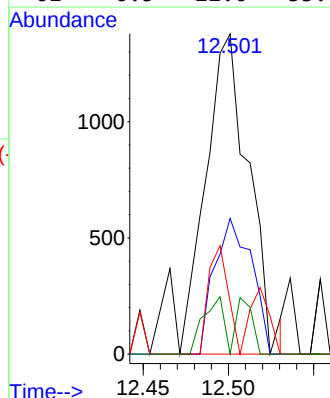
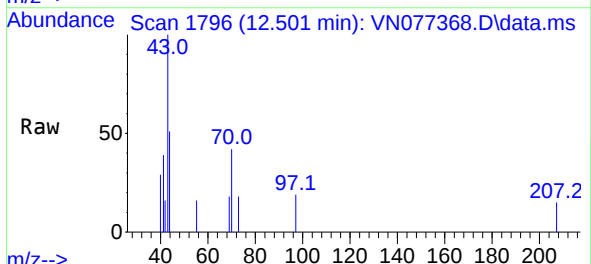
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL01

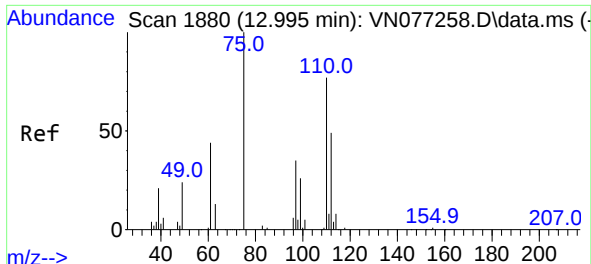
Tgt Ion:152 Resp: 318530
Ion Ratio Lower Upper
152 100
115 63.4 32.1 96.3
150 159.8 0.0 354.8



#74
N-ethyl acetate
Concen: 0.205 ug/l
RT: 12.501 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
70 36.7 41.0 61.6#
55 9.4 19.3 28.9#
61 6.5 22.0 33.0#

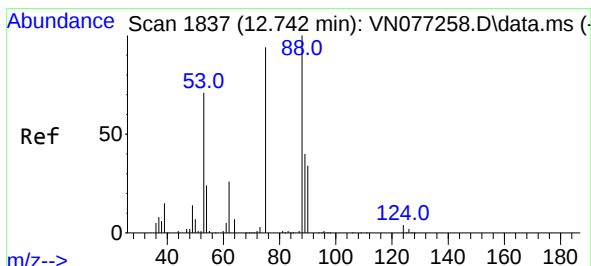
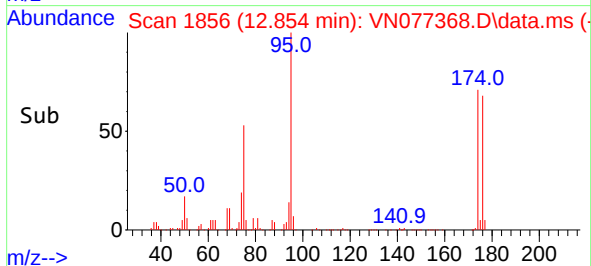
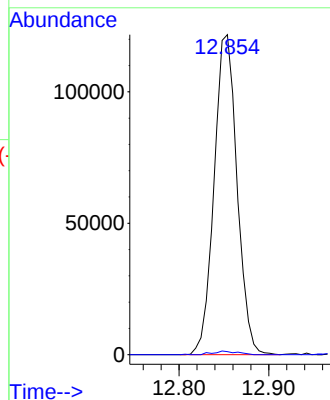
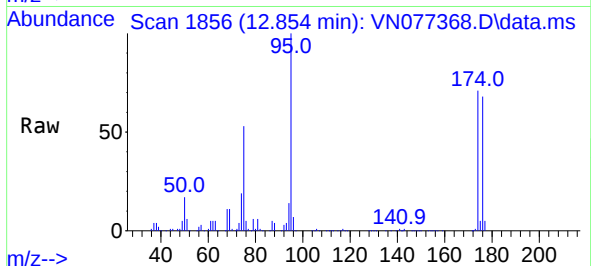




#76
1,2,3-Trichloropropane
Concen: 28.537 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

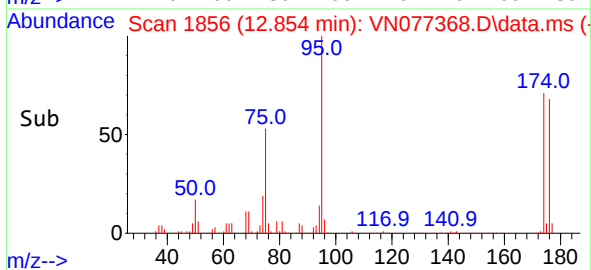
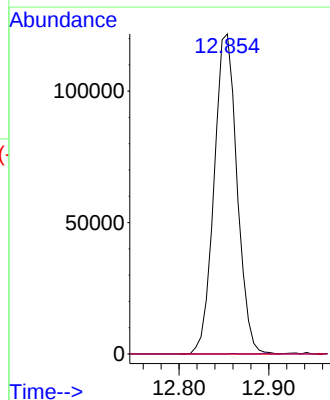
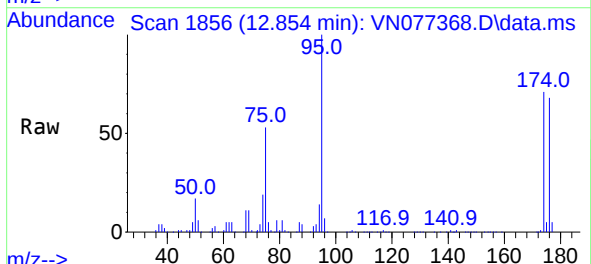
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL01

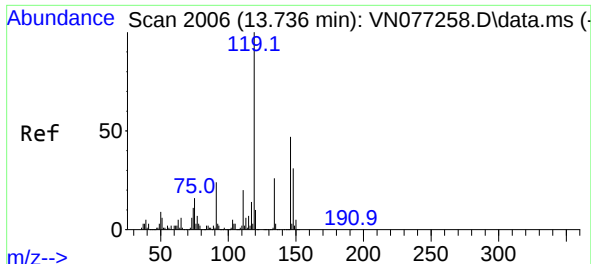
Tgt Ion: 75 Resp: 216454
Ion Ratio Lower Upper
75 100
77 1.2 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.217 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 75 Resp: 216454
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#





#87

1,3-Dichlorobenzene

Concen: 0.206 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077368.D

Acq: 19 Apr 2023 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL01

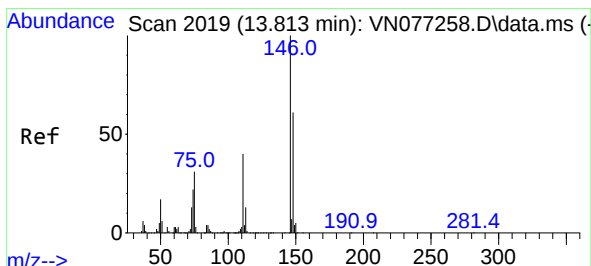
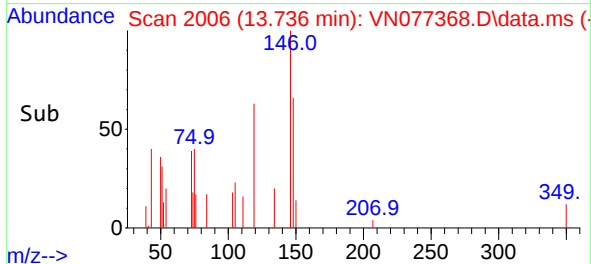
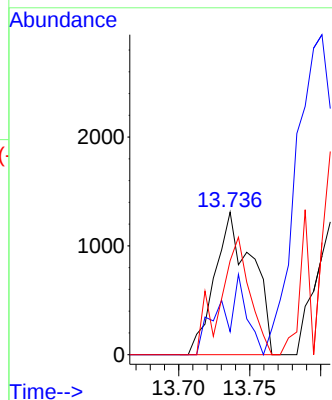
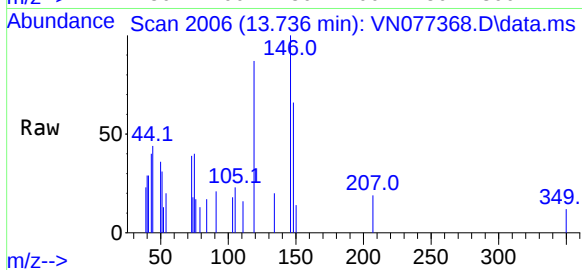
Tgt Ion:146 Resp: 2395

Ion Ratio Lower Upper

146 100

111 39.0 21.8 65.4

148 65.7 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.209 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.077 min

Lab File: VN077368.D

Acq: 19 Apr 2023 11:54

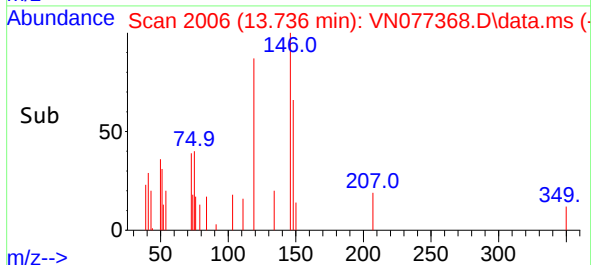
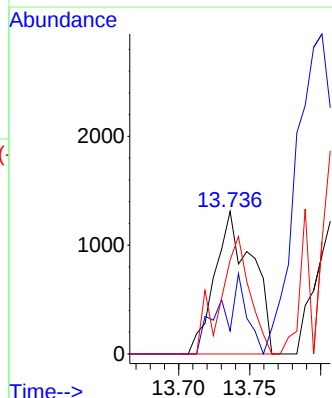
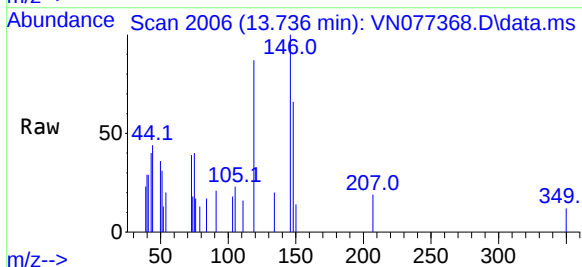
Tgt Ion:146 Resp: 2395

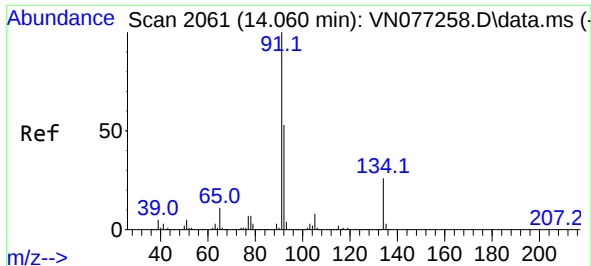
Ion Ratio Lower Upper

146 100

111 39.0 20.4 61.2

148 65.7 31.6 95.0

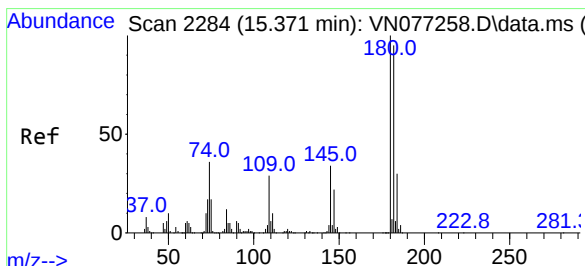
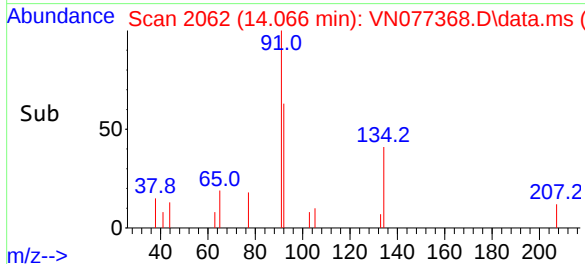
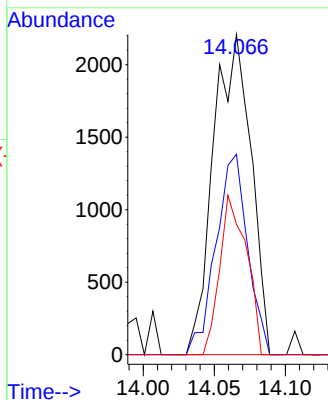
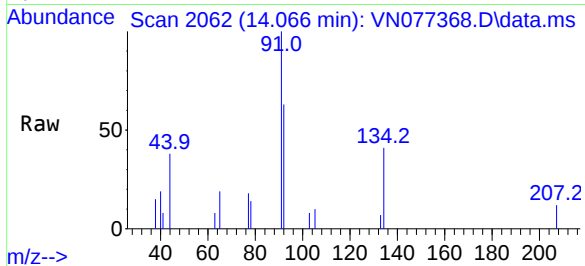




#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 14.066 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

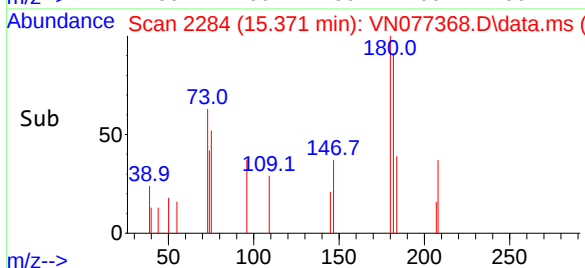
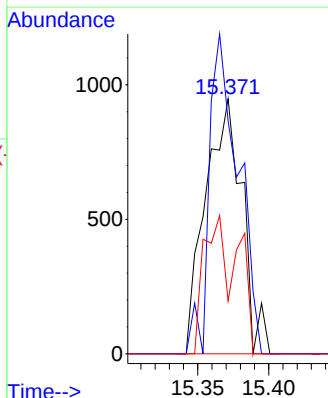
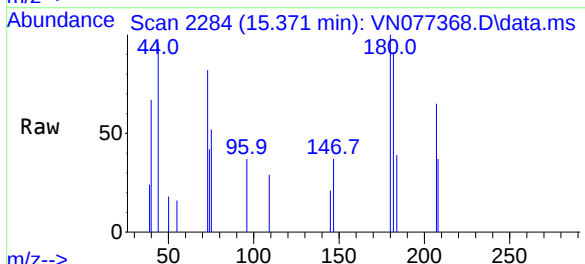
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL01

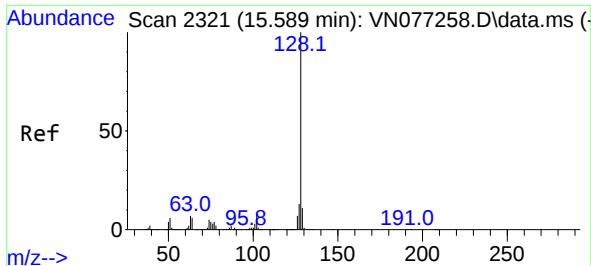
Tgt Ion: 91	Resp:	4078
Ion	Ratio	Lower Upper
91	100	
92	52.7	26.7 80.0
134	35.4	12.8 38.3



#93
1,2,4-Trichlorobenzene
Concen: 0.404 ug/l
RT: 15.371 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion: 180	Resp:	1696
Ion	Ratio	Lower Upper
180	100	
182	99.5	46.7 140.0
145	49.6	16.6 49.8

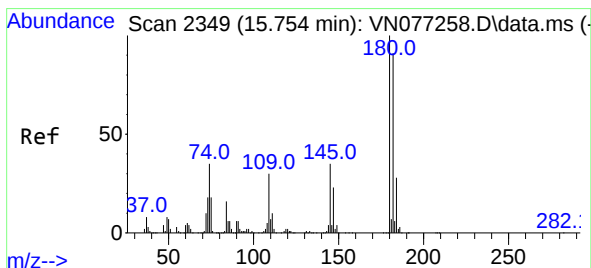
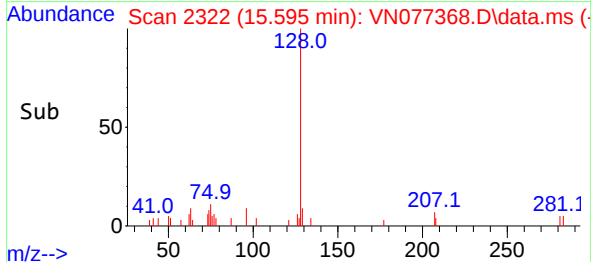
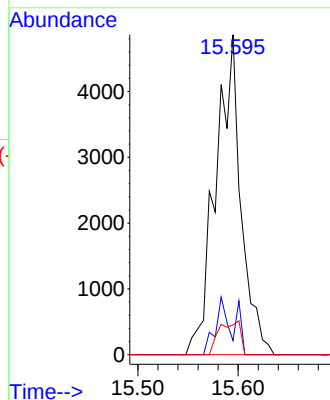
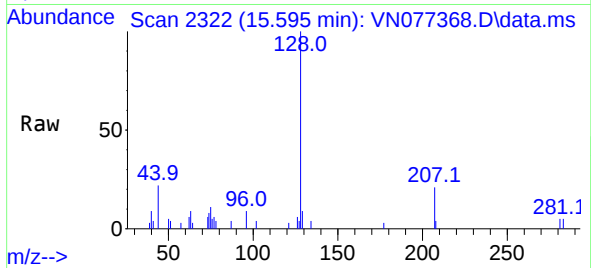




#95
Naphthalene
Concen: 0.541 ug/l
RT: 15.595 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL01

Tgt Ion:	128	Resp:	8537
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	8.7	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 0.571 ug/l
RT: 15.760 min Scan# 2350
Delta R.T. 0.006 min
Lab File: VN077368.D
Acq: 19 Apr 2023 11:54

Tgt Ion:	180	Resp:	2295
Ion	Ratio	Lower	Upper
180	100		
182	88.2	46.9	140.8
145	44.4	17.6	52.8

