

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041723\
 Data File : VN077363.D
 Acq On : 17 Apr 2023 17:45
 Operator : JC\MD
 Sample : 02355-02DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-RW5B-20230413DL

Quant Time: Apr 18 04:42:47 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)

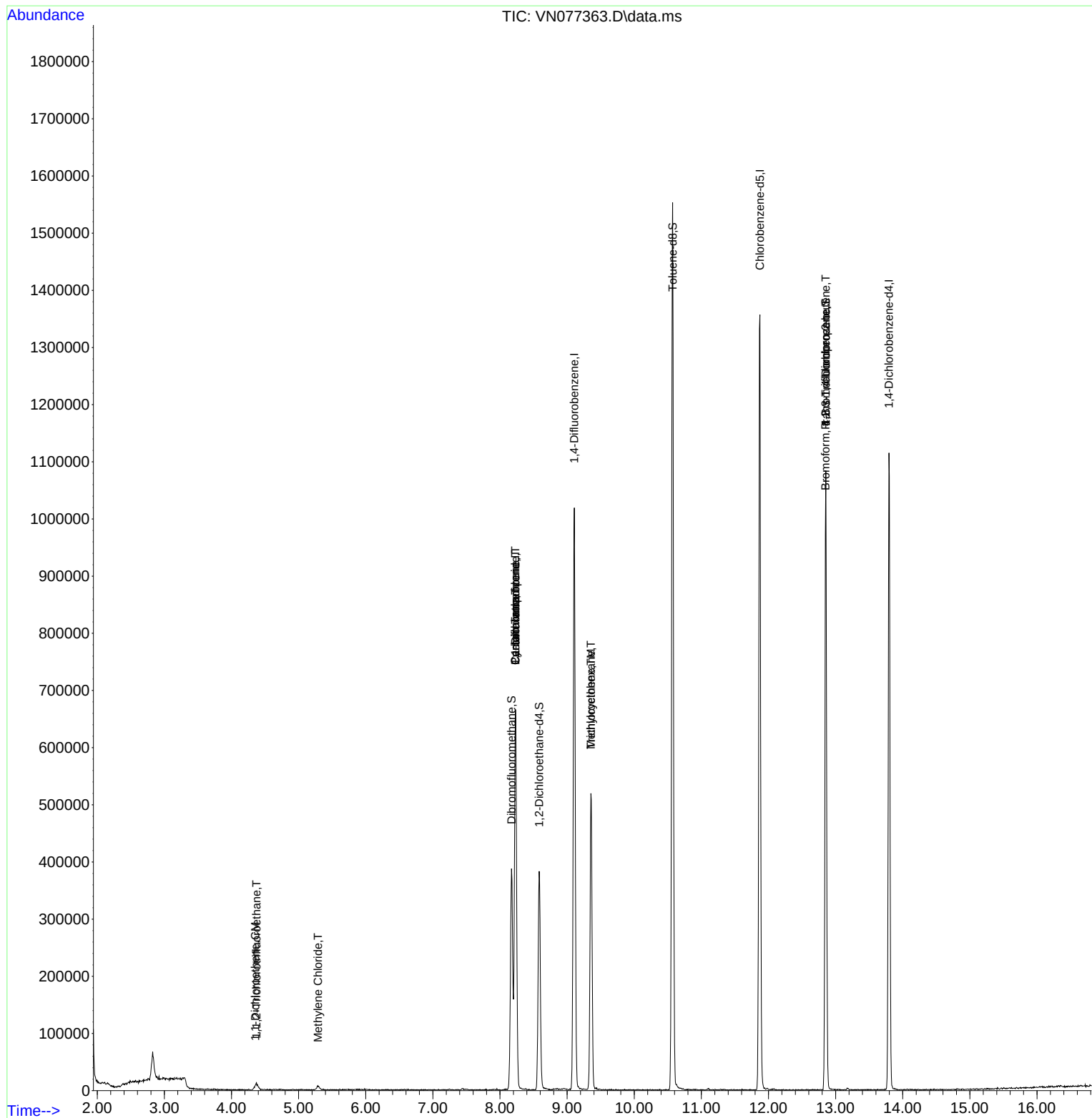
Internal Standards						
1) Pentafluorobenzene	8.230	168	486934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	916633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	834528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	300684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	301166	45.253	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.500%
35) Dibromofluoromethane	8.172	113	281897	48.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	10.572	98	1141668	48.329	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.854	95	376374	47.906	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.820%
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.372	101	3512	0.634	ug/l	91
12) 1,1-Dichloroethene	4.354	96	1956	0.343	ug/l #	67
20) Methylene Chloride	5.289	84	5308	0.766	ug/l #	67
31) Cyclohexane	8.230	56	11509	1.113	ug/l #	30
36) 1,1-Dichloropropene	8.230	75	42142	4.856	ug/l #	49
38) Carbon Tetrachloride	8.230	117	51371	5.777	ug/l #	14
39) Methylcyclohexane	9.354	83	2917	0.249	ug/l #	1
44) Trichloroethene	9.354	130	186702	28.825	ug/l	98
71) Bromoform	12.848	173	1975	0.404	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	198901	27.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	198901	62.512	ug/l #	13

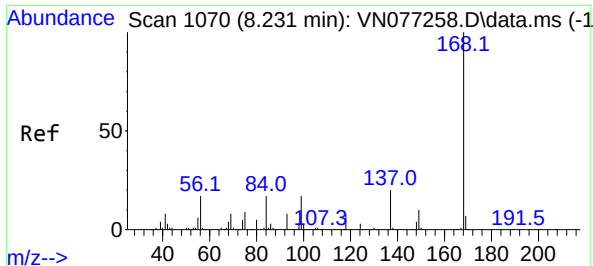
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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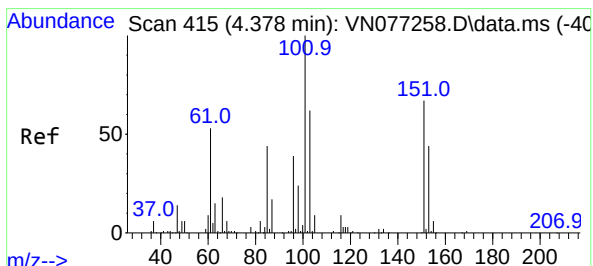
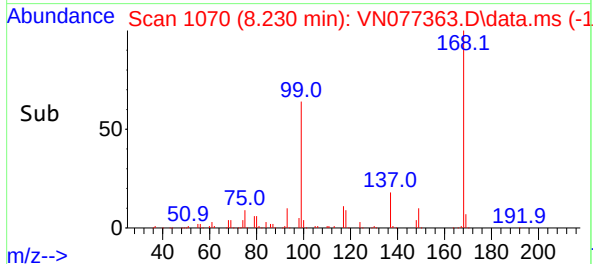
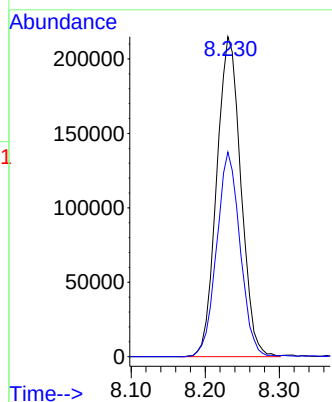
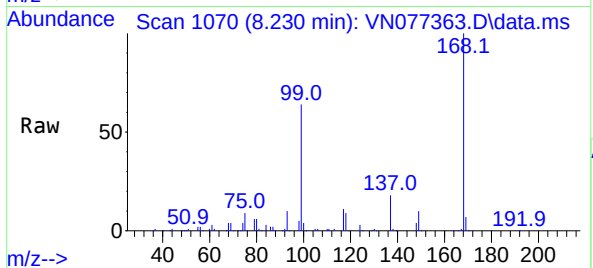




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

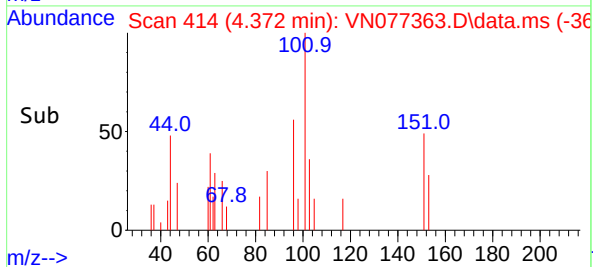
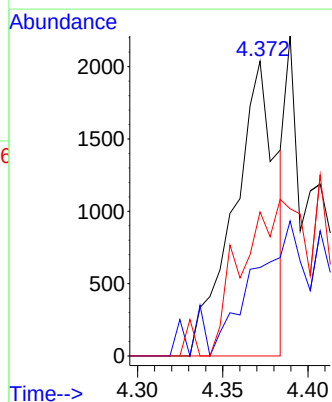
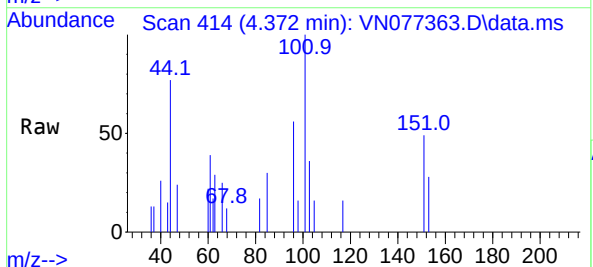
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413DL

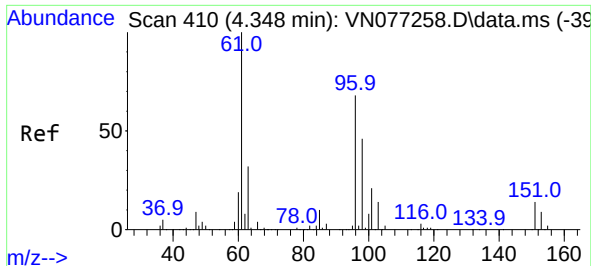
Tgt Ion:168 Resp: 486934
Ion Ratio Lower Upper
168 100
99 63.9 50.6 75.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.634 ug/l
RT: 4.372 min Scan# 414
Delta R.T. -0.006 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

Tgt Ion:101 Resp: 3512
Ion Ratio Lower Upper
101 100
85 53.6 37.3 55.9
151 77.1 56.3 84.5

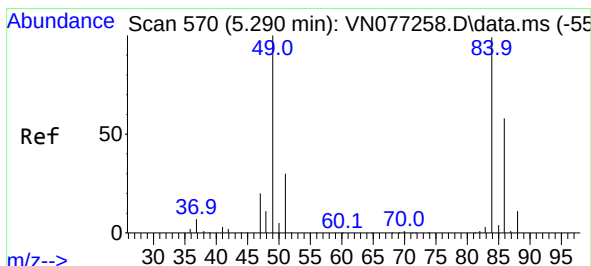
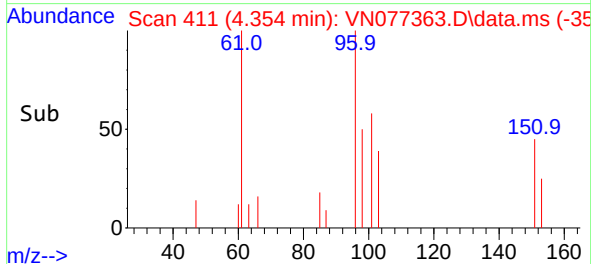
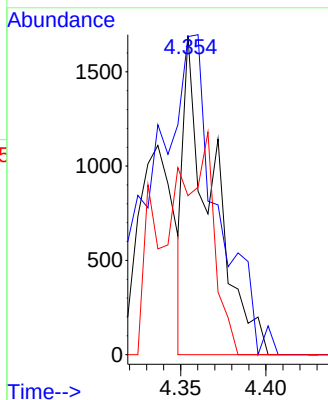
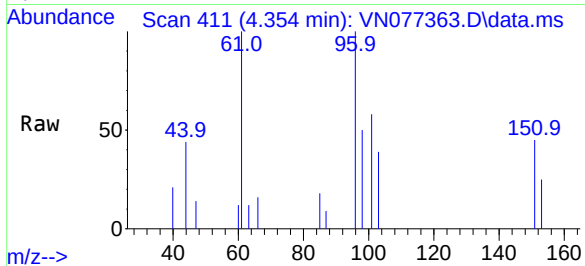




#12
1,1-Dichloroethene
Concen: 0.343 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

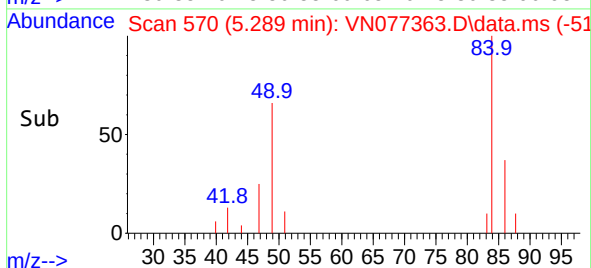
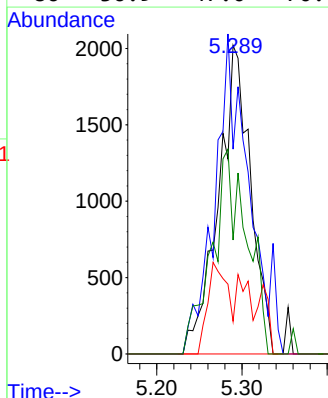
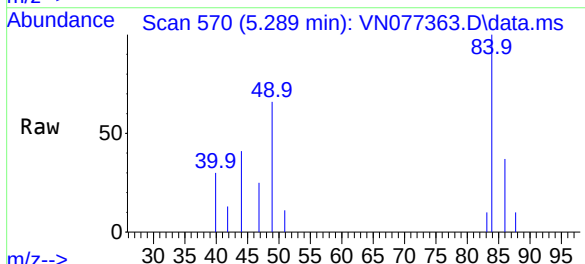
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413DL

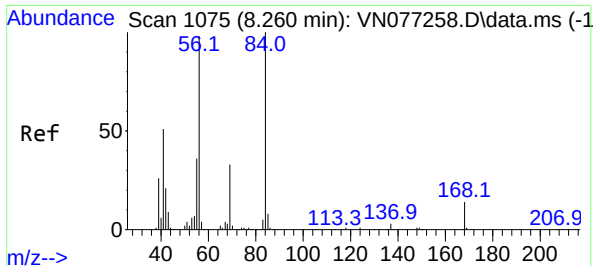
Tgt Ion: 96 Resp: 1956
Ion Ratio Lower Upper
96 100
61 99.6 118.3 177.5#
98 49.8 54.5 81.7#



#20
Methylene Chloride
Concen: 0.766 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

Tgt Ion: 84 Resp: 5308
Ion Ratio Lower Upper
84 100
49 66.4 80.6 121.0#
51 10.6 24.4 36.6#
86 36.9 47.0 70.6#

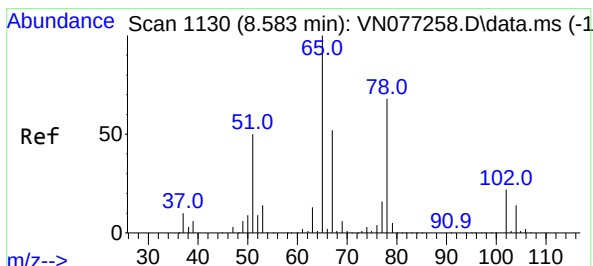
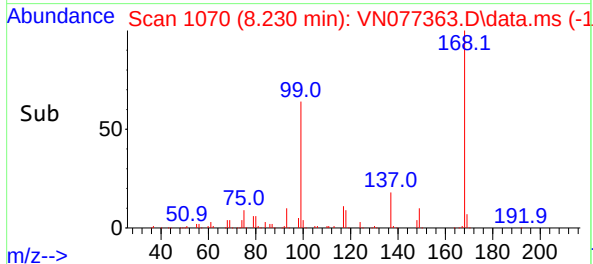
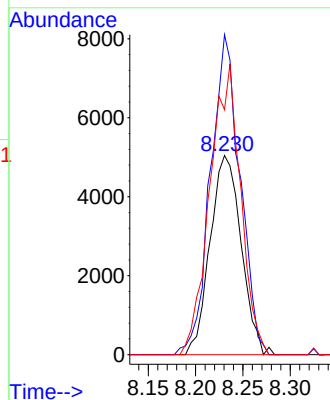
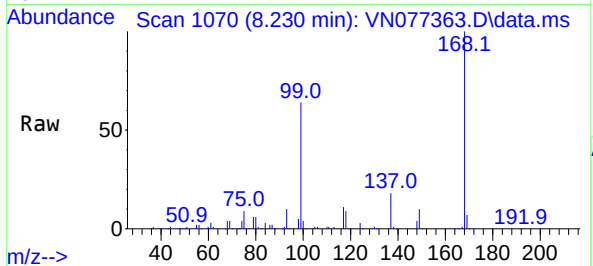




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.230 min Scan# 1109
Delta R.T. -0.030 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

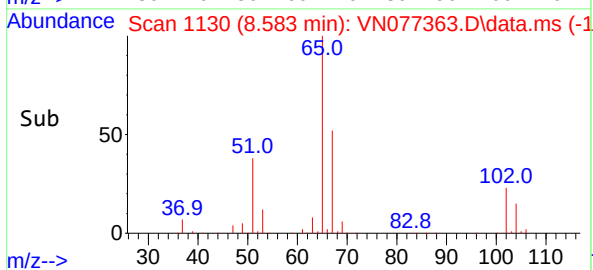
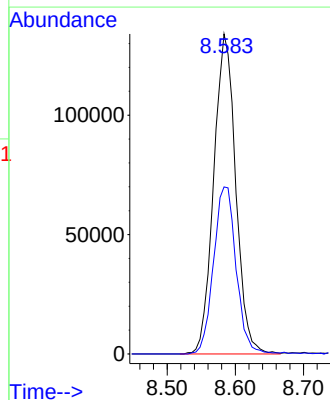
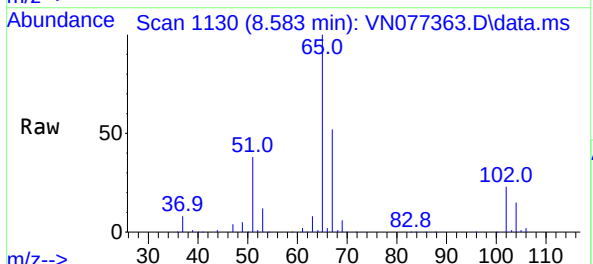
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413DL

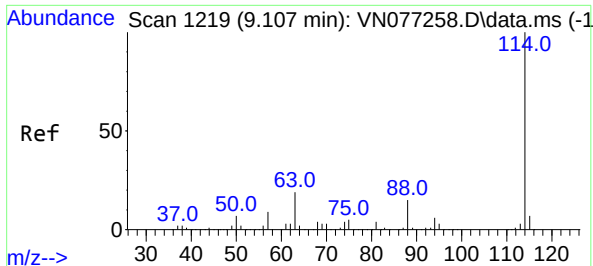
Tgt Ion: 56 Resp: 11509
Ion Ratio Lower Upper
56 100
69 160.6 26.6 40.0#
84 123.0 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 45.253 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

Tgt Ion: 65 Resp: 301166
Ion Ratio Lower Upper
65 100
67 53.5 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: VN077363.D

Acq: 17 Apr 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW5B-20230413DL

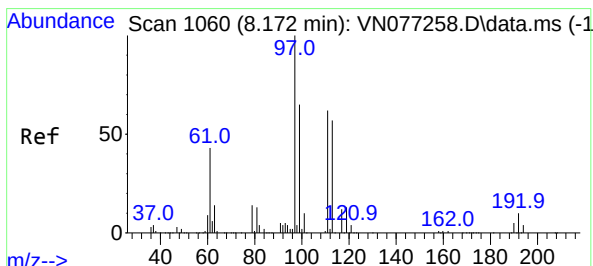
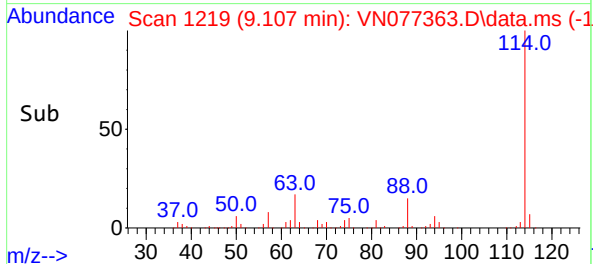
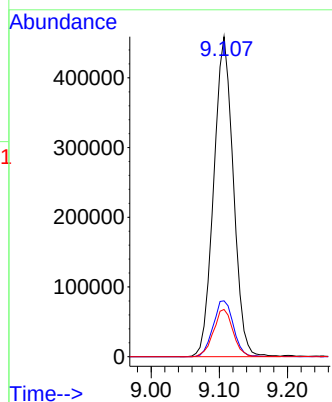
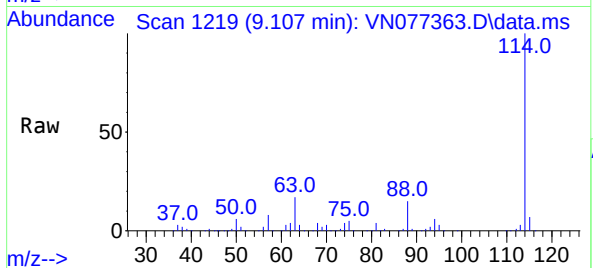
Tgt Ion:114 Resp: 916633

Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.8

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.040 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077363.D

Acq: 17 Apr 2023 17:45

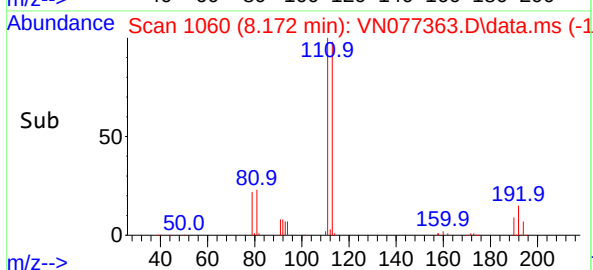
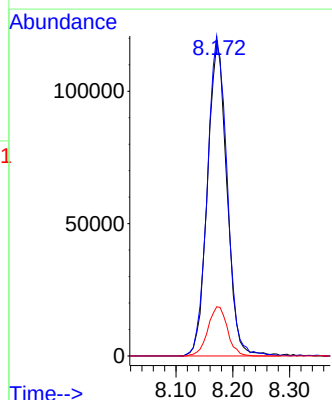
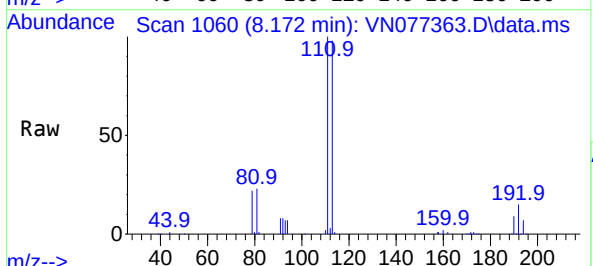
Tgt Ion:113 Resp: 281897

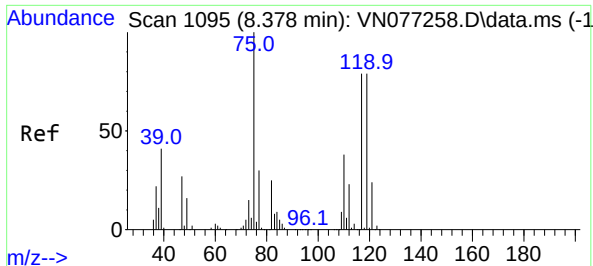
Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

192 15.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.148 min

Lab File: VN077363.D

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BP-TT-RW5B-20230413DL

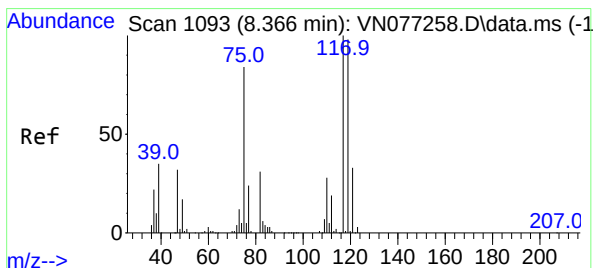
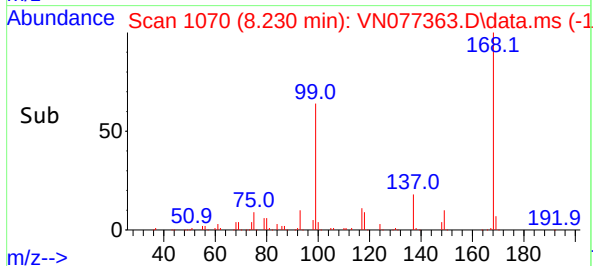
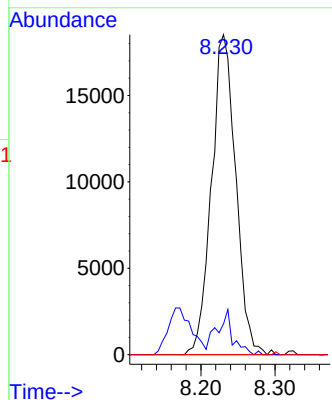
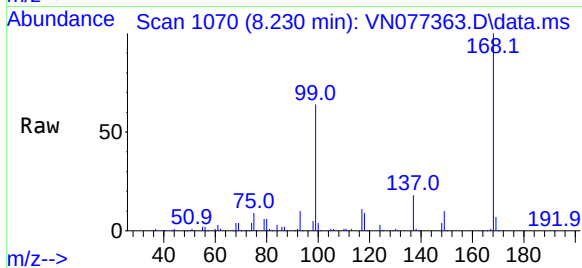
Tgt Ion: 75 Resp: 42142

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.136 min

Lab File: VN077363.D

Acq: 17 Apr 2023 17:45

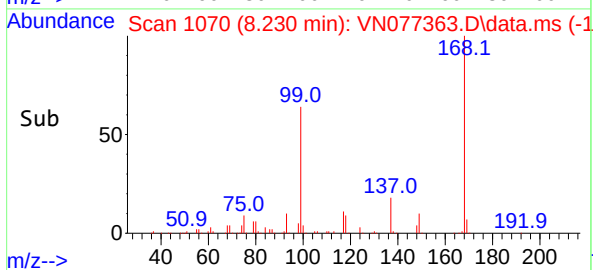
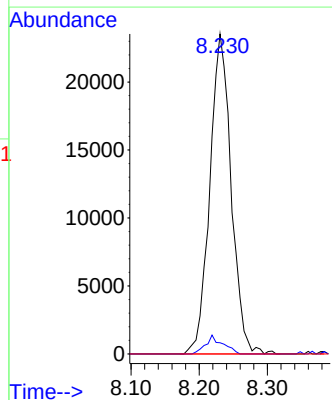
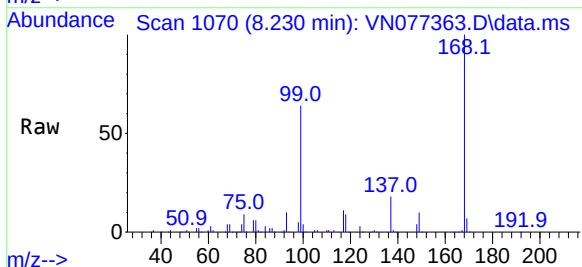
Tgt Ion: 117 Resp: 51371

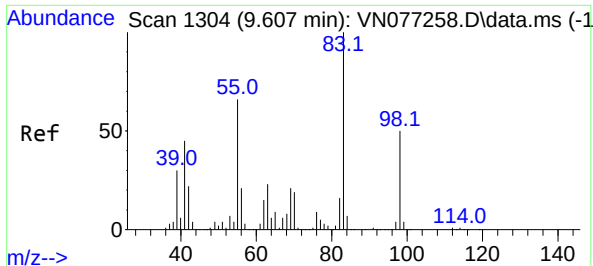
Ion Ratio Lower Upper

117 100

119 3.5 78.5 117.7#

121 0.0 26.6 40.0#





#39

Methylcyclohexane

Concen: 0.249 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.253 min

Lab File: VN077363.D

Acq: 17 Apr 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW5B-20230413DL

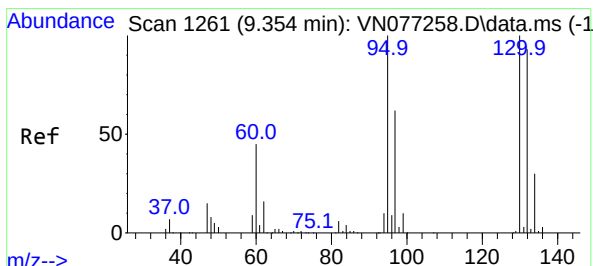
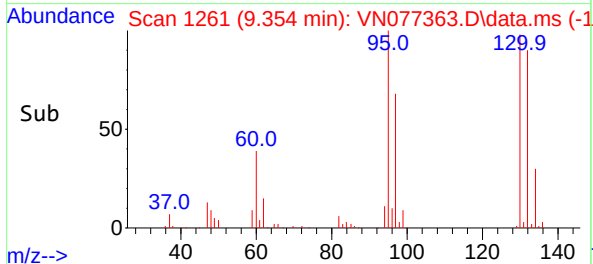
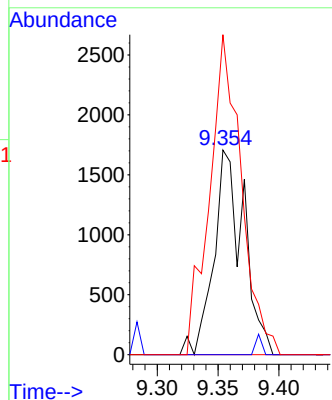
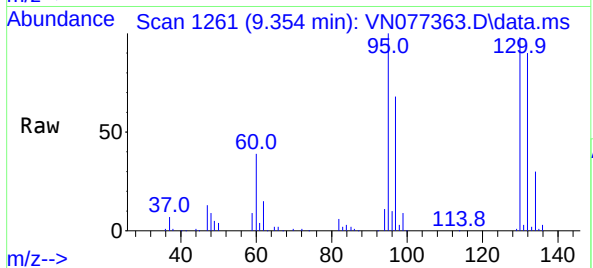
Tgt Ion: 83 Resp: 2917

Ion Ratio Lower Upper

83 100

55 0.0 52.4 78.6#

98 156.4 39.8 59.6#



#44

Trichloroethene

Concen: 28.825 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VN077363.D

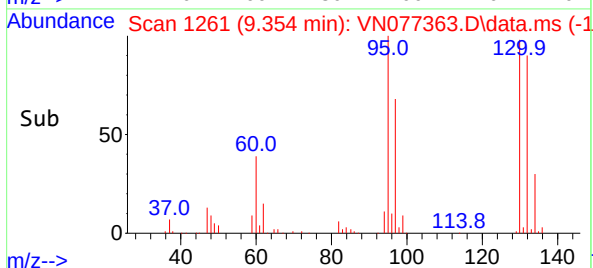
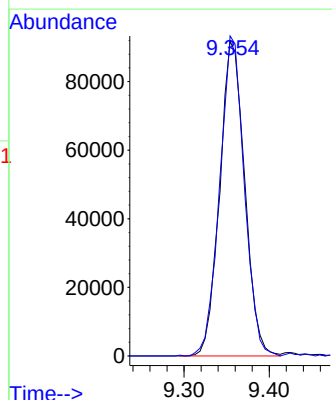
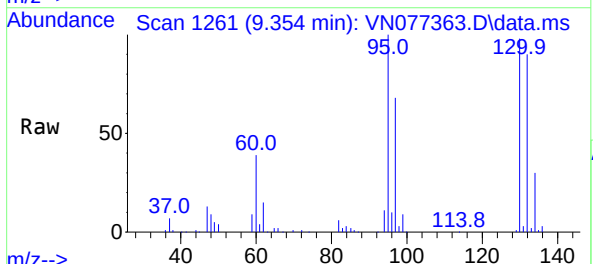
Acq: 17 Apr 2023 17:45

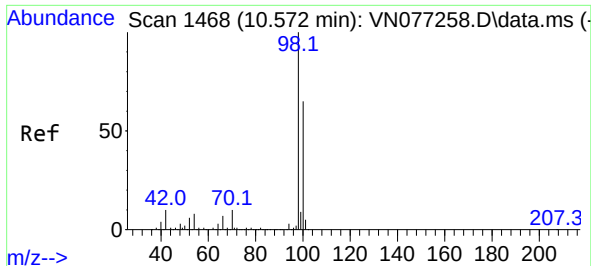
Tgt Ion:130 Resp: 186702

Ion Ratio Lower Upper

130 100

95 101.7 0.0 200.2

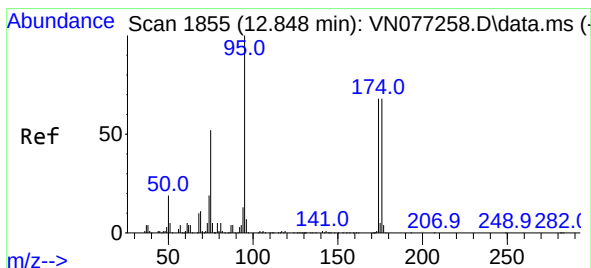
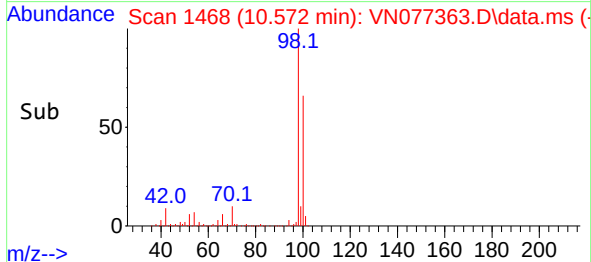
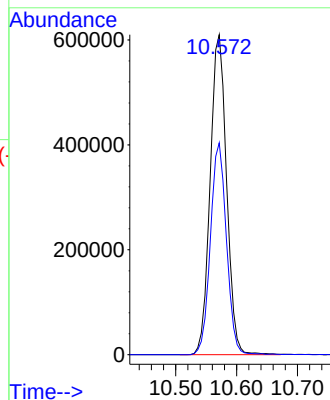
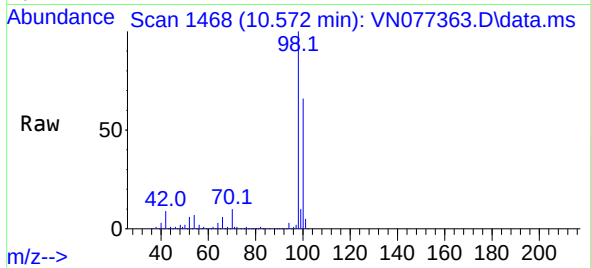




#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

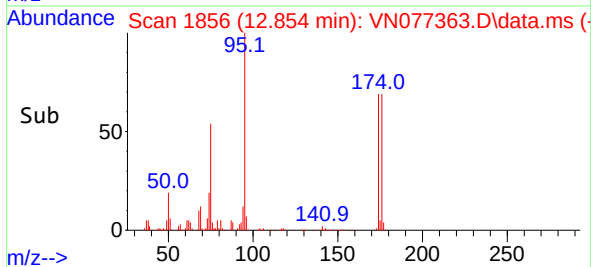
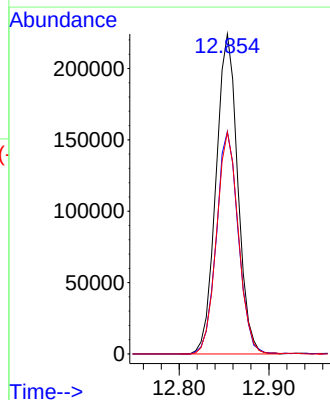
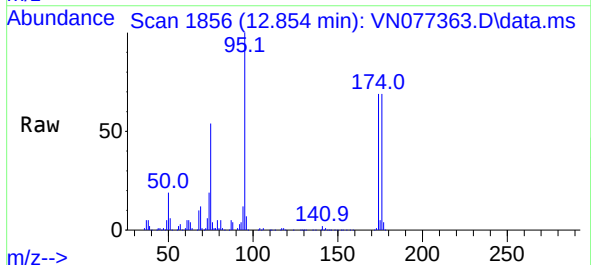
Instrument : MSVOA_N
ClientSampleId : BP-TT-RW5B-20230413DL

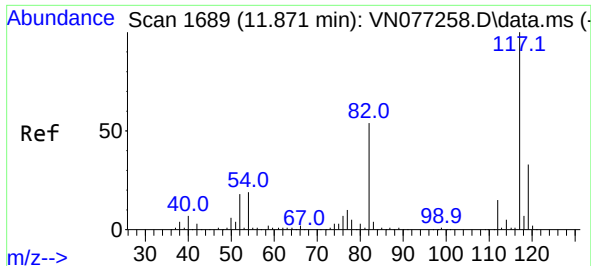
Tgt Ion: 98 Resp: 1141668
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 47.906 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

Tgt Ion: 95 Resp: 376374
Ion Ratio Lower Upper
95 100
174 70.0 0.0 146.8
176 69.8 0.0 139.6

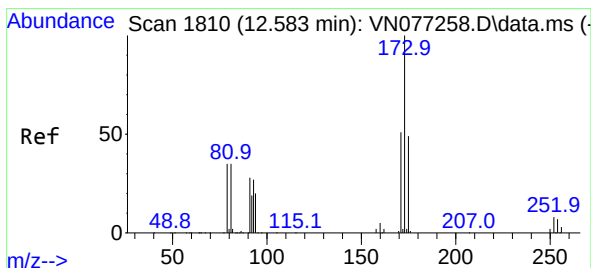
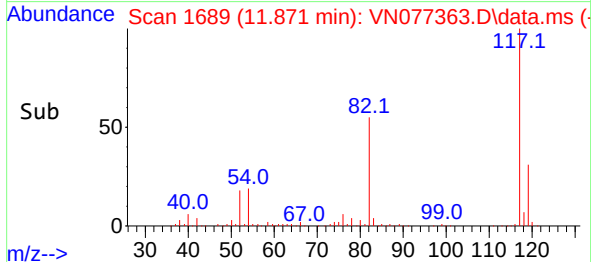
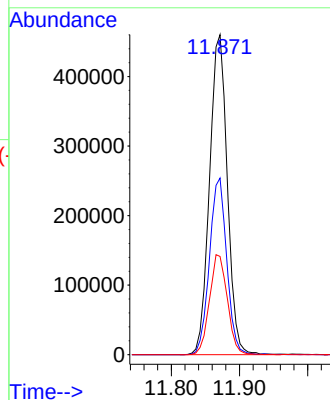
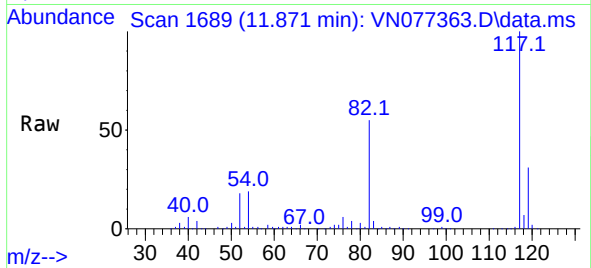




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

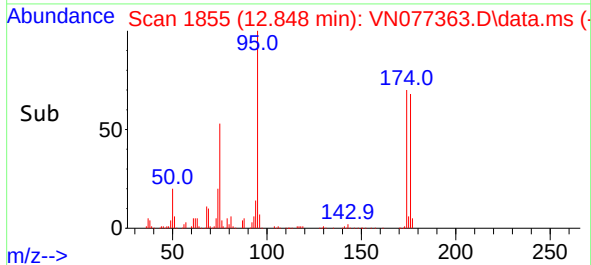
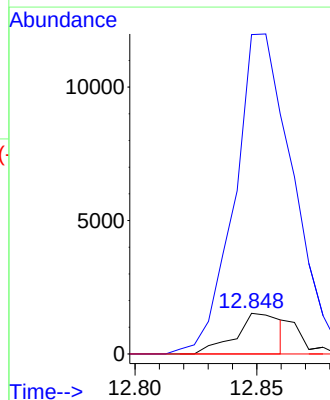
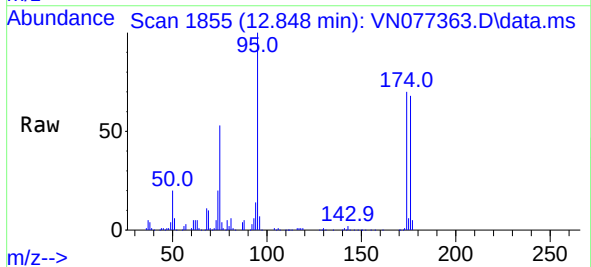
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413DL

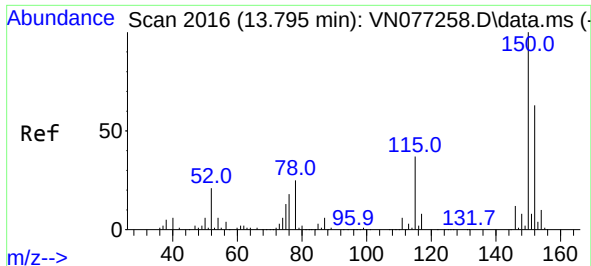
Tgt Ion:117 Resp: 834528
Ion Ratio Lower Upper
117 100
82 55.2 42.9 64.3
119 30.7 26.2 39.4



#71
Bromoform
Concen: 0.404 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

Tgt Ion:173 Resp: 1975
Ion Ratio Lower Upper
173 100
175 796.4 24.1 72.4#
254 0.0 0.1 0.1#

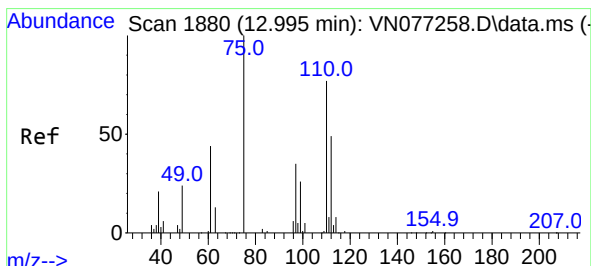
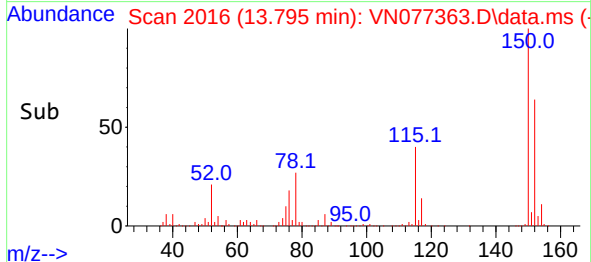
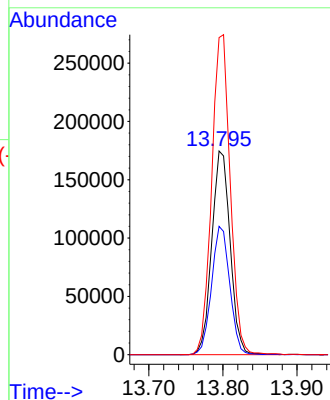
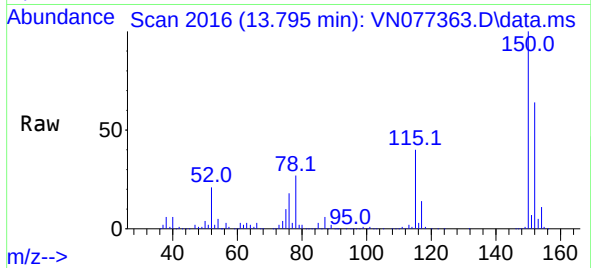




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

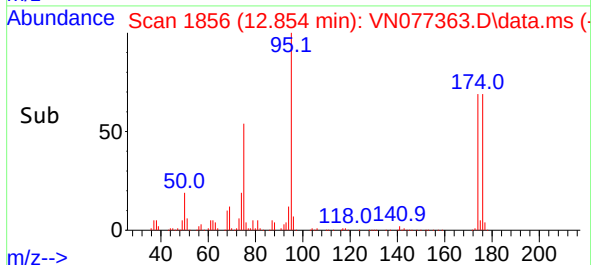
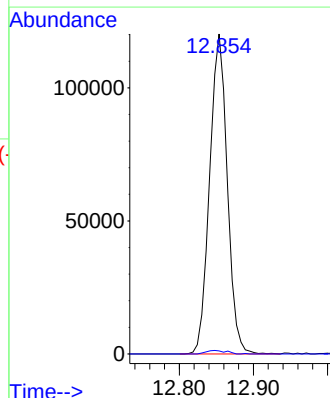
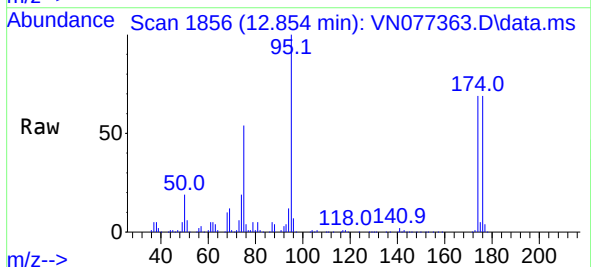
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413DL

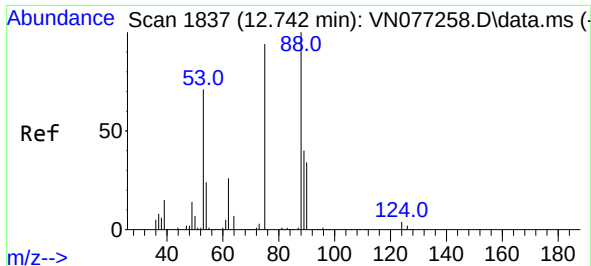
Tgt Ion:152 Resp: 300684
Ion Ratio Lower Upper
152 100
115 62.5 32.1 96.3
150 158.5 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 27.779 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

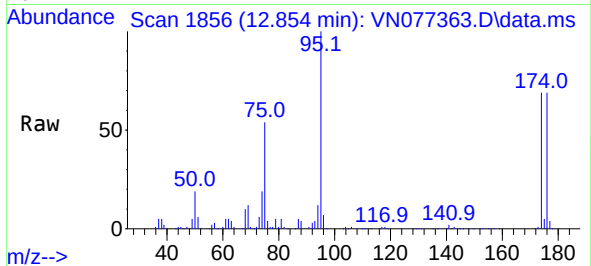
Tgt Ion: 75 Resp: 198901
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.512 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077363.D
Acq: 17 Apr 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413DL



Tgt Ion: 75 Resp: 198901
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

