

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075892.D
 Acq On : 20 Dec 2022 12:35
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 21 01:27:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

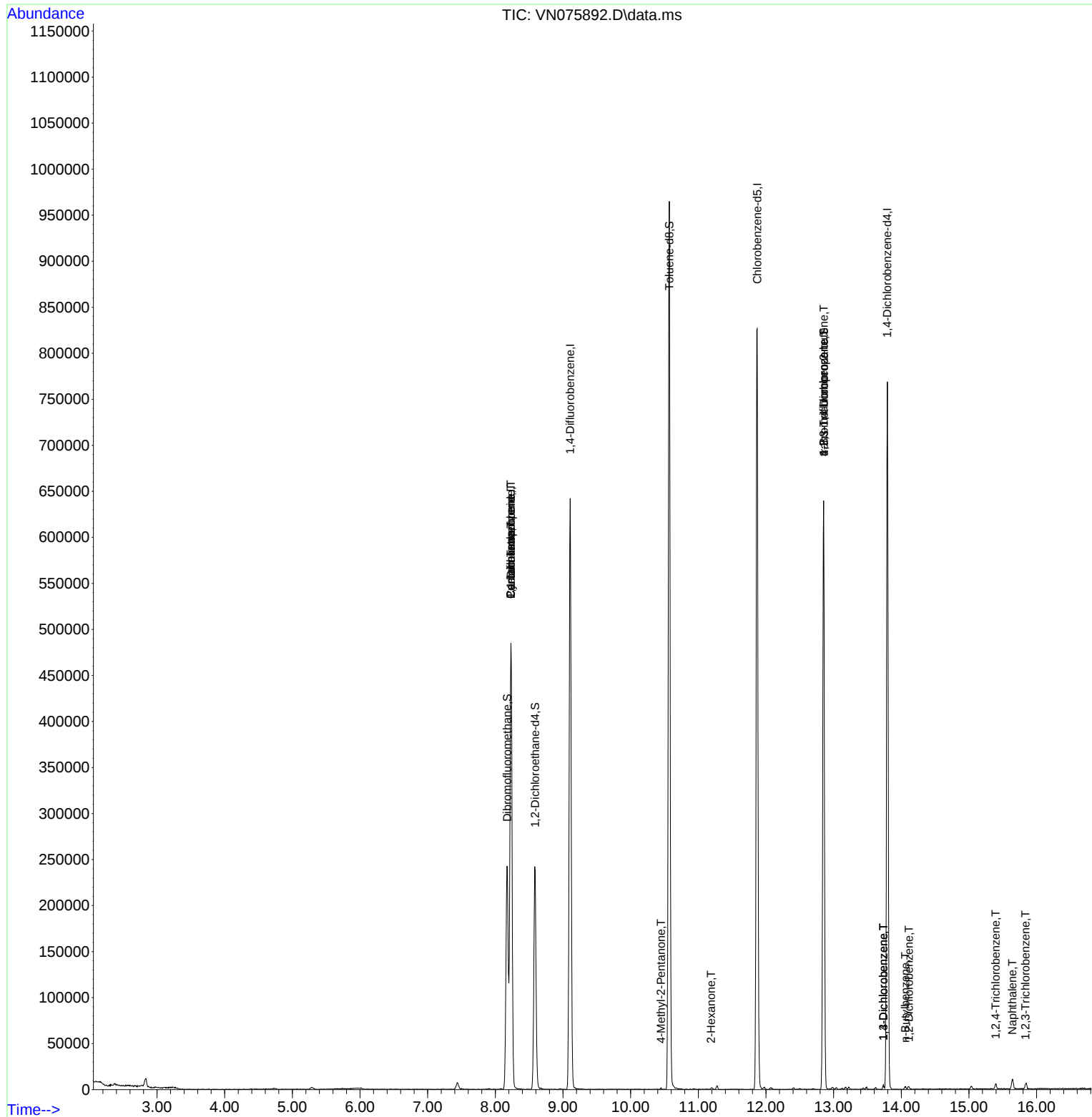
Internal Standards						
1) Pentafluorobenzene	8.229	168	385273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	598620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	519976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	191970	45.801	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.600%		
35) Dibromofluoromethane	8.177	113	176164	47.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	10.570	98	687010	49.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.140%		
62) 4-Bromofluorobenzene	12.853	95	216436	47.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.300%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.288	84	2146	Below Cal	#	91
31) Cyclohexane	8.229	56	6710	1.118	ug/l #	9
36) 1,1-Dichloropropene	8.229	75	26622	5.406	ug/l #	42
38) Carbon Tetrachloride	8.229	117	38379	6.963	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	811	0.206	ug/l #	72
59) 2-Hexanone	11.188	43	1319	0.458	ug/l	92
76) 1,2,3-Trichloropropane	12.853	75	110516	24.865	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110516	89.503	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1559	0.209	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1559	0.205	ug/l	93
89) n-Butylbenzene	14.059	91	2213	0.202	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	1680	0.229	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	2563	0.706	ug/l	86
95) Naphthalene	15.641	128	11312	3.079	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2594	0.764	ug/l	89

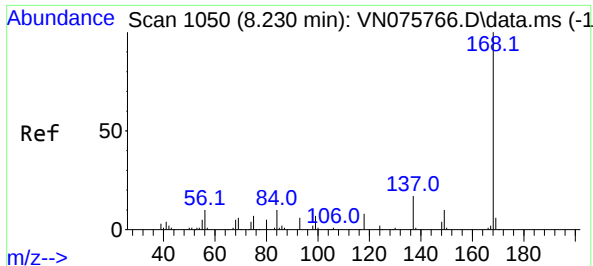
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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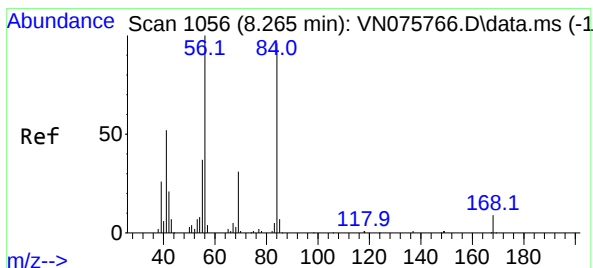
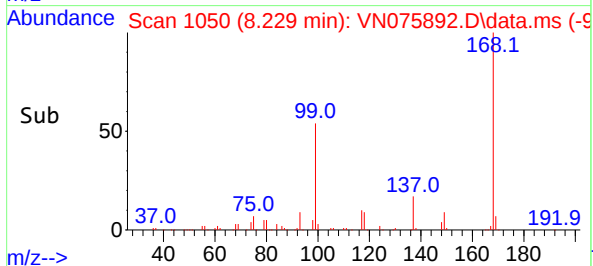
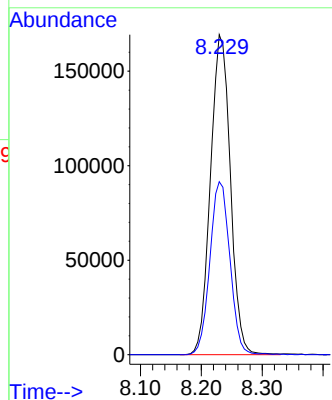
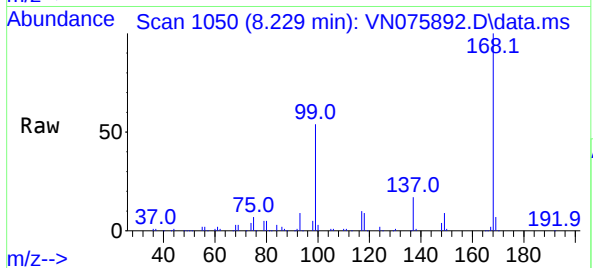




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

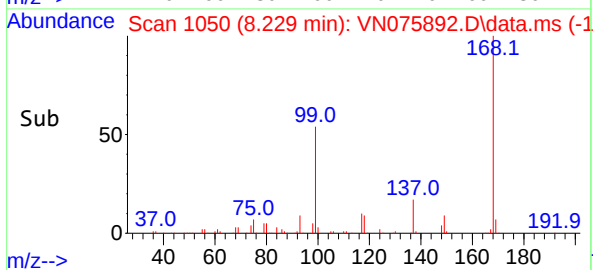
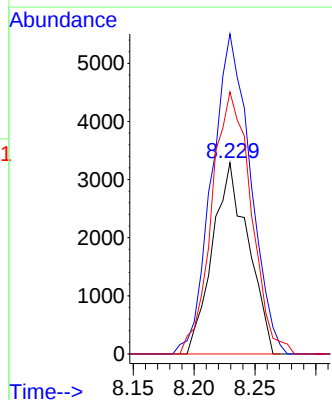
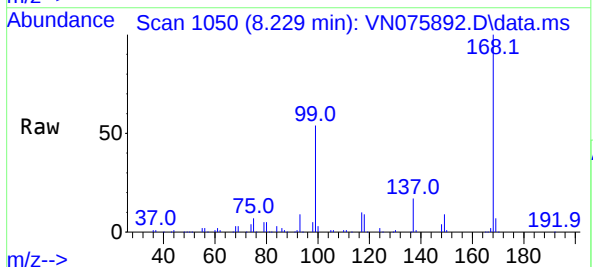
Instrument :
MSVOA_N
ClientSampleId :
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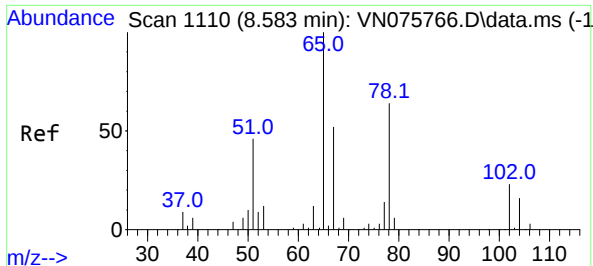
Tgt Ion:168 Resp: 385273
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion: 56 Resp: 6710
Ion Ratio Lower Upper
56 100
69 162.5 24.7 37.1#
84 137.1 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 45.801 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN075892.D

Acq: 20 Dec 2022 12:35

Instrument :

MSVOA_N

ClientSampleId :

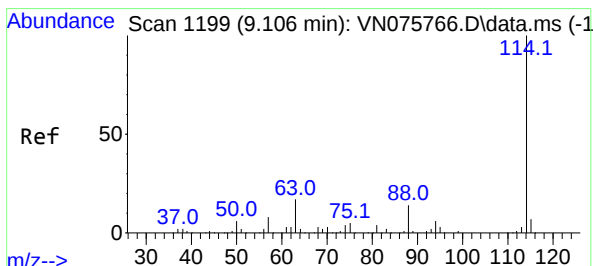
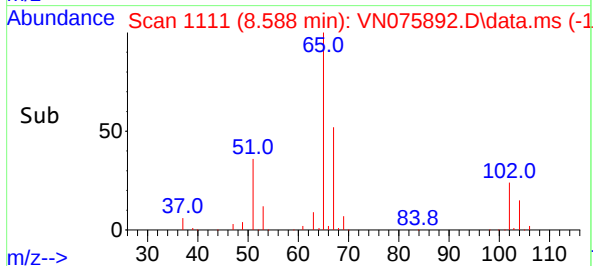
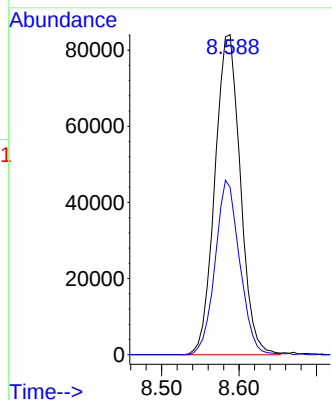
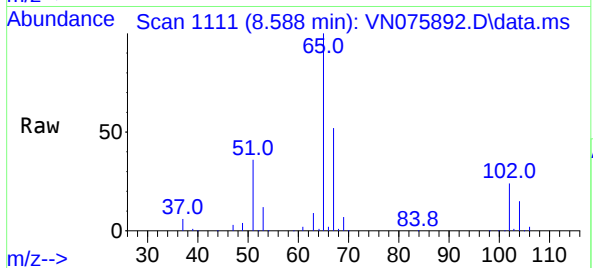
IBLK

Tgt Ion: 65 Resp: 191970

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075892.D

Acq: 20 Dec 2022 12:35

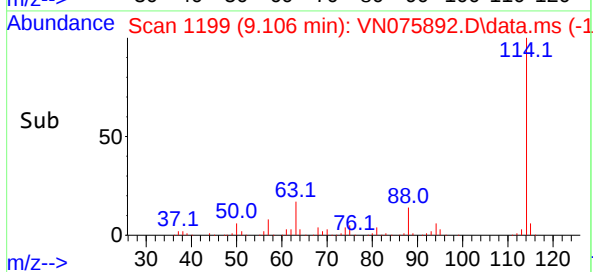
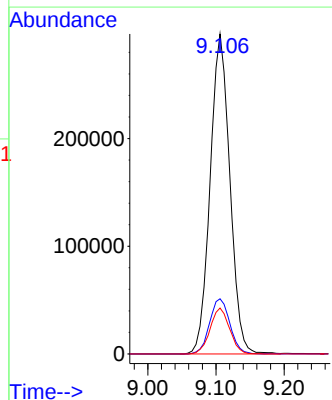
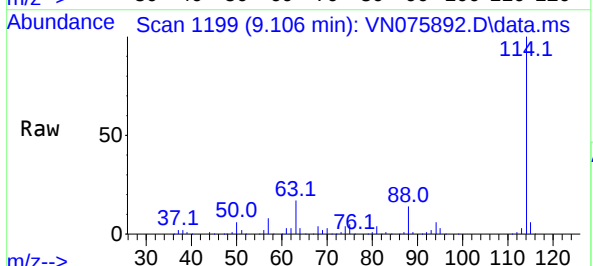
Tgt Ion: 114 Resp: 598620

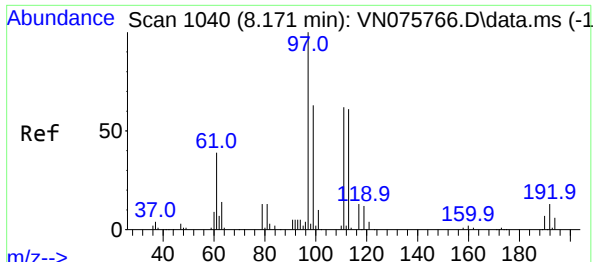
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.4 0.0 28.8

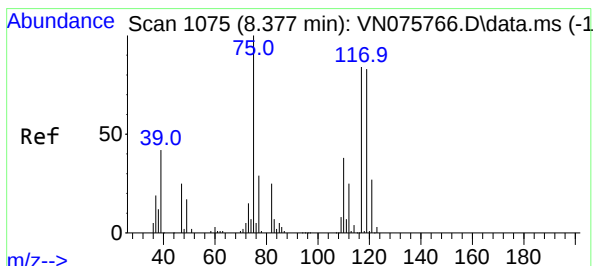
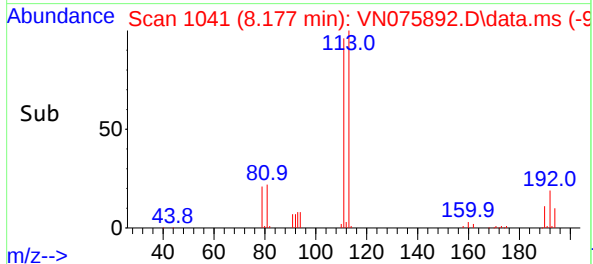
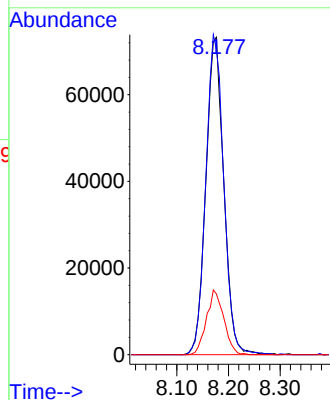
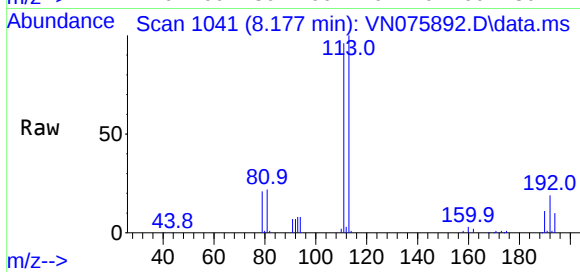




#35
Dibromofluoromethane
Concen: 47.520 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

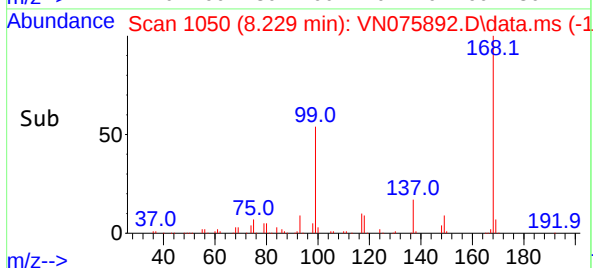
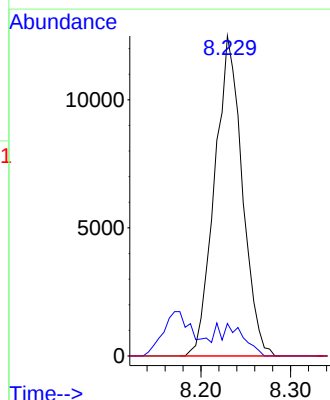
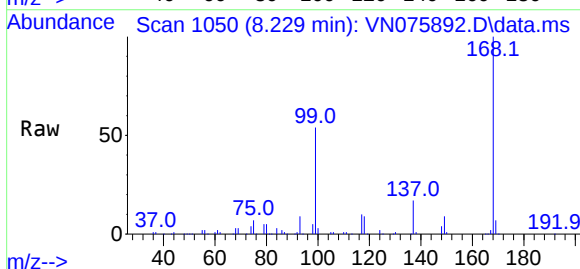
Instrument :
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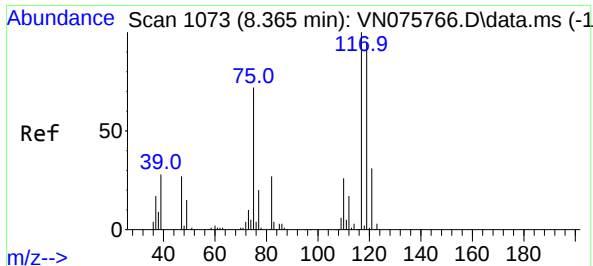
Tgt Ion:113 Resp: 176164
Ion Ratio Lower Upper
113 100
111 101.1 83.4 125.2
192 19.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.406 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion: 75 Resp: 26622
Ion Ratio Lower Upper
75 100
110 1.1 18.8 56.4#
77 0.0 24.1 36.1#

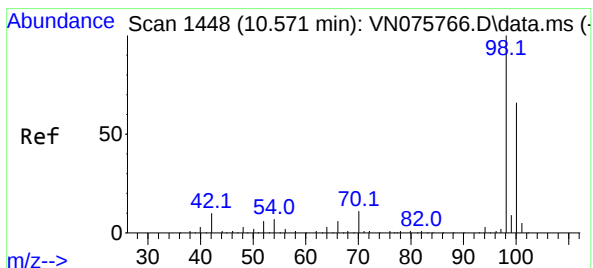
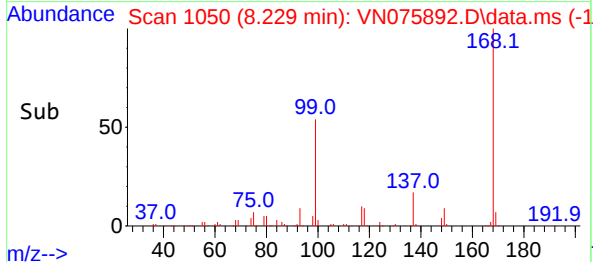
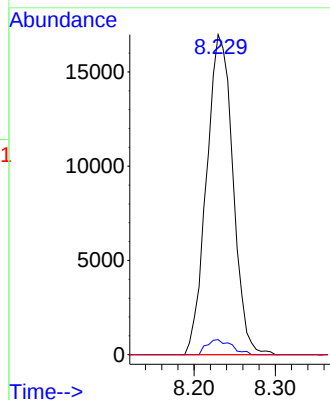
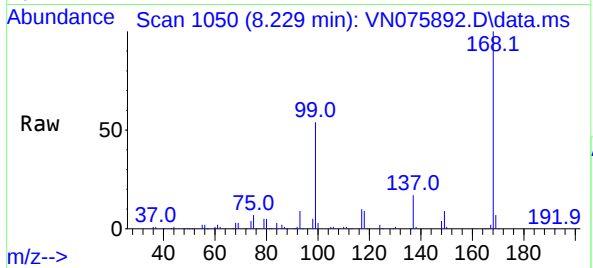




#38
Carbon Tetrachloride
Concen: 6.963 ug/l
RT: 8.229 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

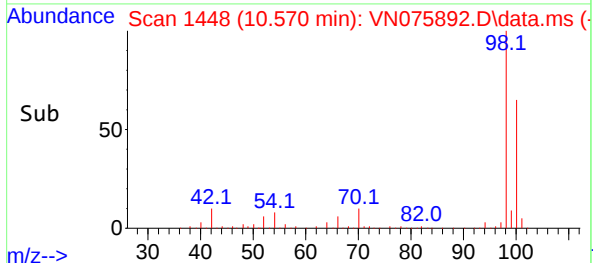
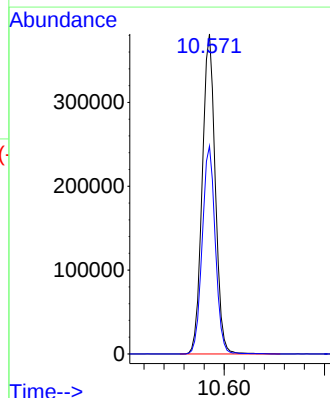
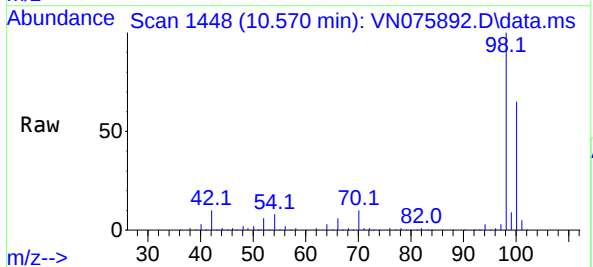
Instrument :
MSVOA_N
ClientSampleId :
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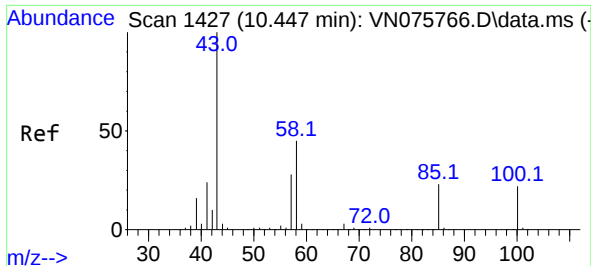
Tgt Ion:117 Resp: 38379
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.565 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion: 98 Resp: 687010
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

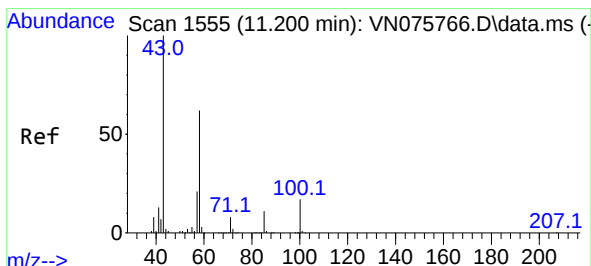
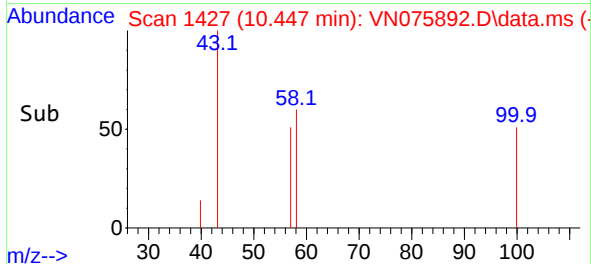
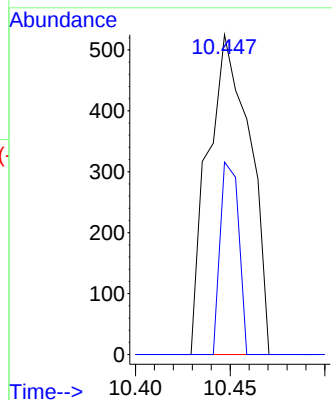
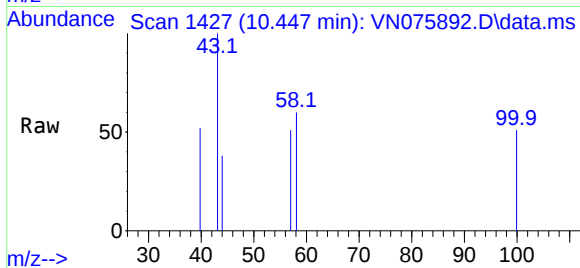




#51
4-Methyl-2-Pentanone
Concen: 0.206 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

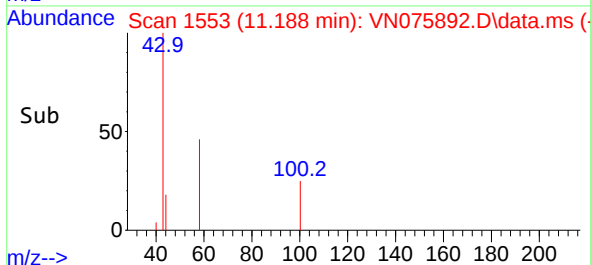
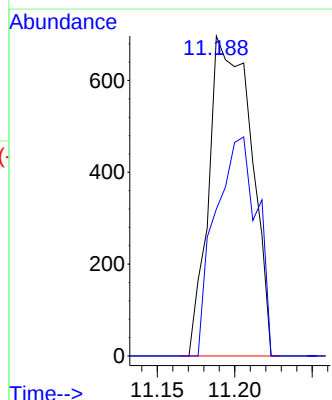
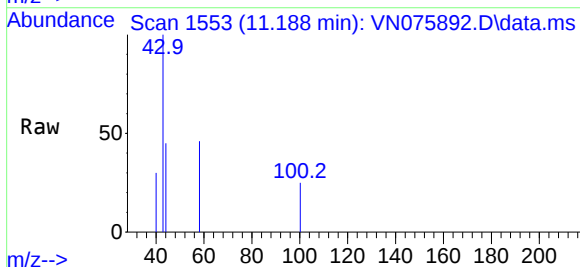
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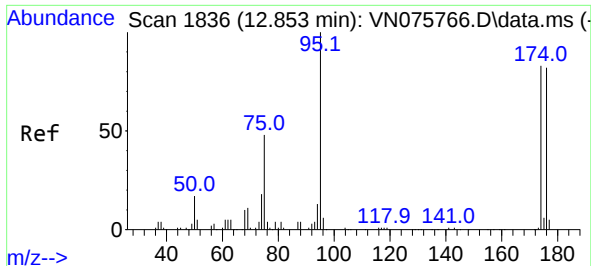
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 26.4 35.5 53.3#



#59
2-Hexanone
Concen: 0.458 ug/l
RT: 11.188 min Scan# 1553
Delta R.T. -0.012 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 67.6 30.6 92.0

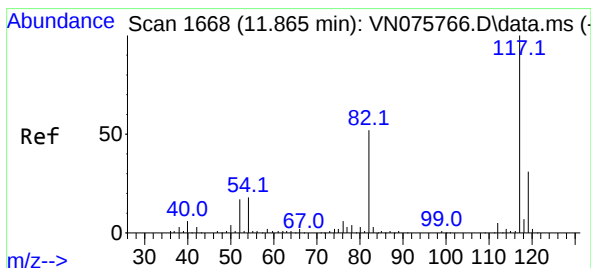
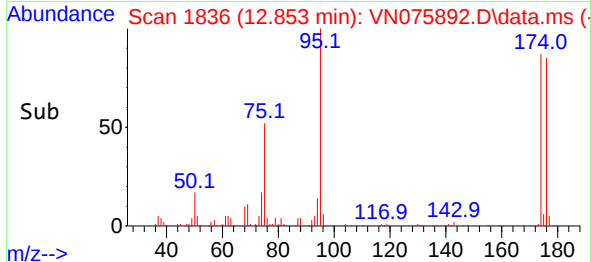
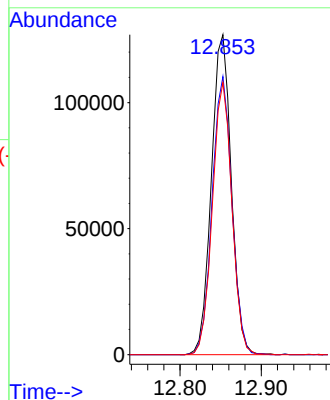
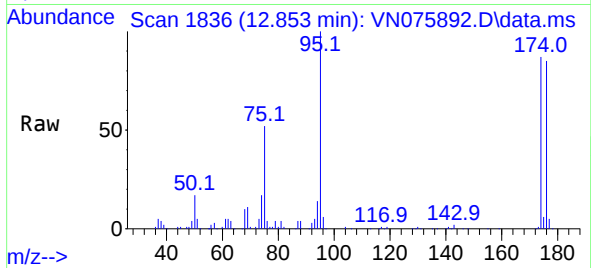




#62
4-Bromofluorobenzene
Concen: 47.146 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

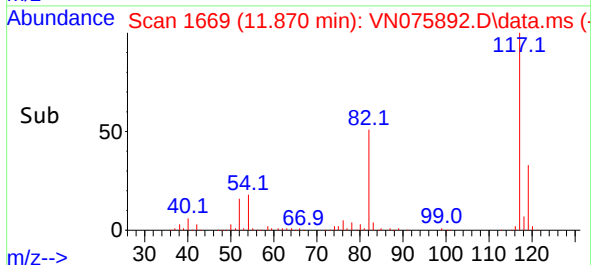
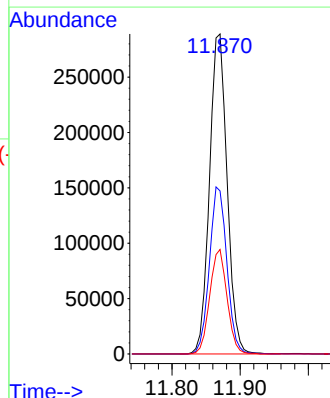
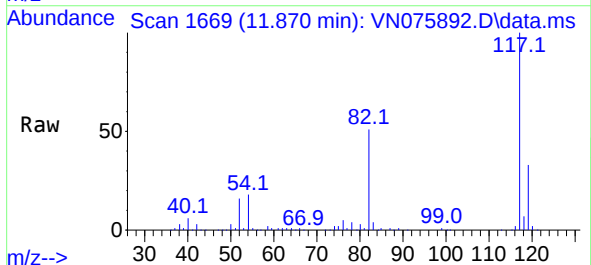
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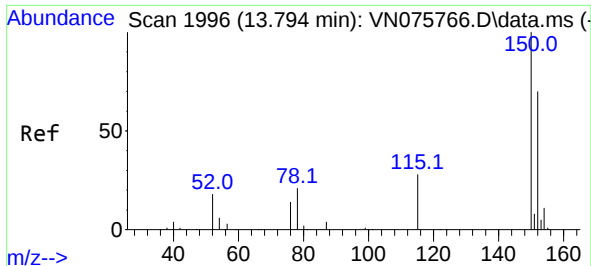
Tgt Ion: 95 Resp: 216436
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.3 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion: 117 Resp: 519976
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 32.7 24.6 37.0

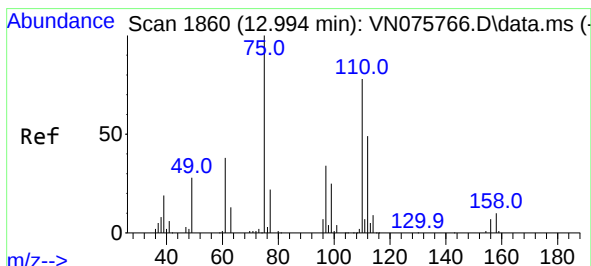
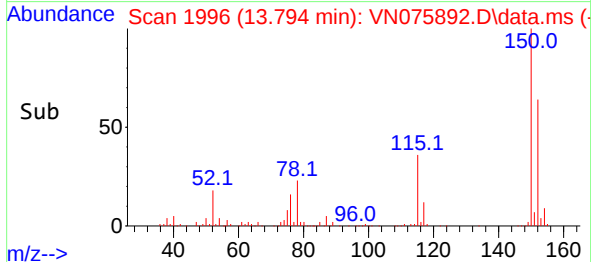
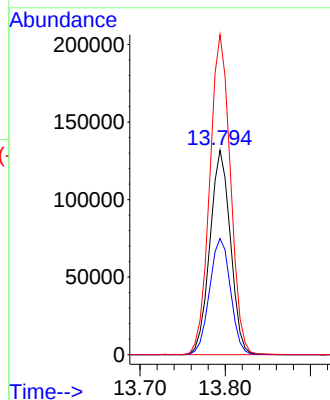
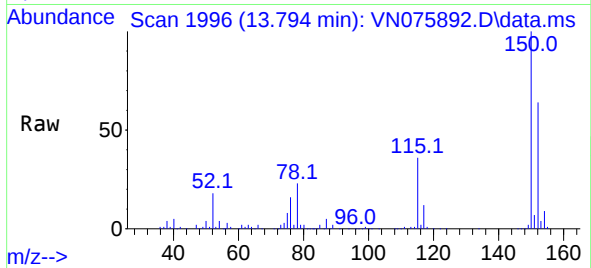




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075892.D
 Acq: 20 Dec 2022 12:35

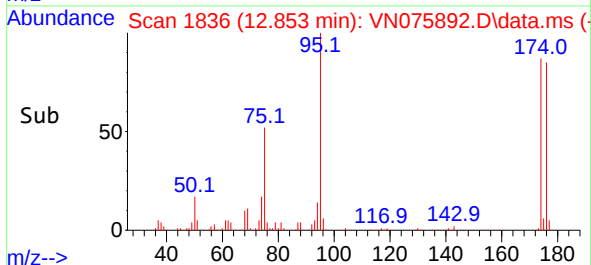
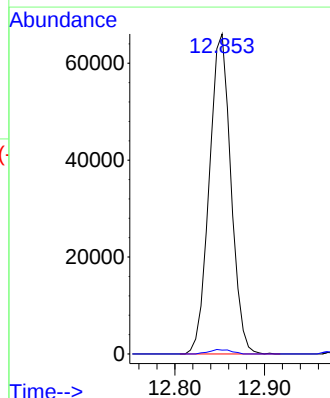
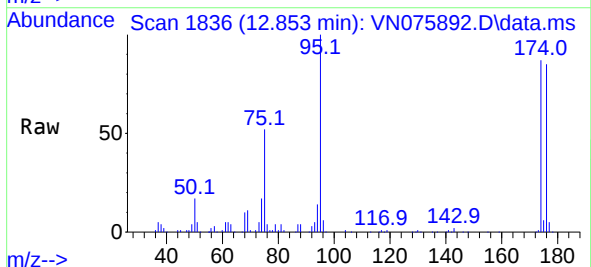
Instrument :
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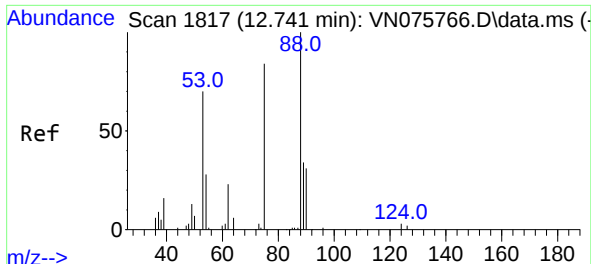
Tgt Ion:152 Resp: 220491
 Ion Ratio Lower Upper
 152 100
 115 58.1 29.1 87.4
 150 157.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.865 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075892.D
 Acq: 20 Dec 2022 12:35

Tgt Ion: 75 Resp: 110516
 Ion Ratio Lower Upper
 75 100
 77 1.4 82.6 247.8#

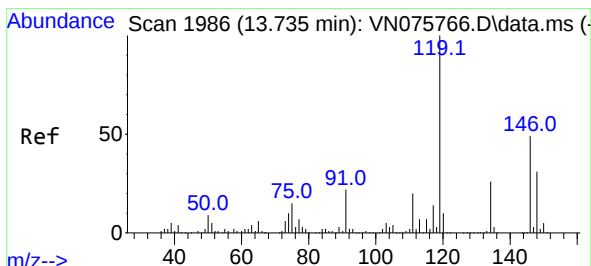
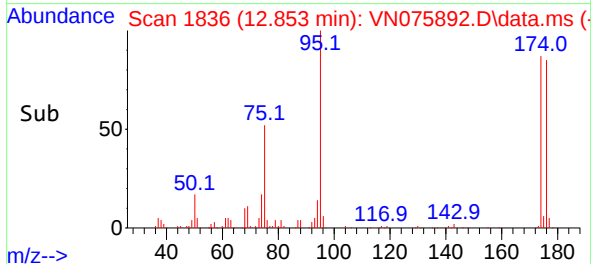
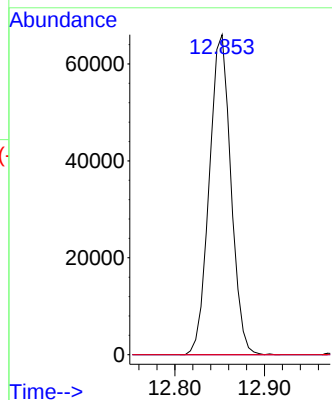
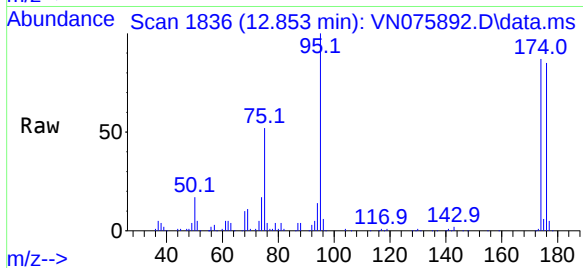




#81
trans-1,4-Dichloro-2-butene
Concen: 89.503 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

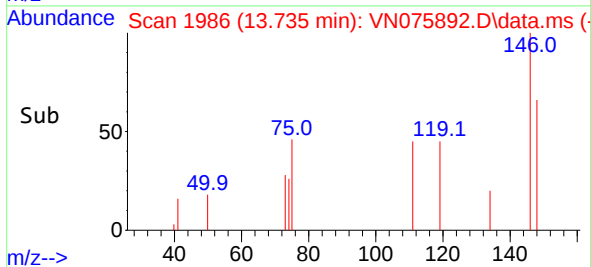
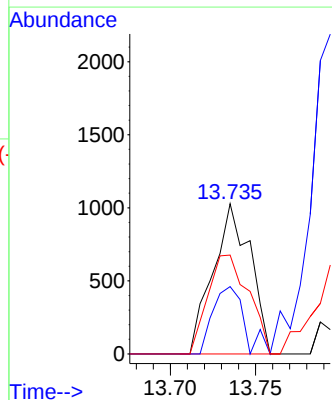
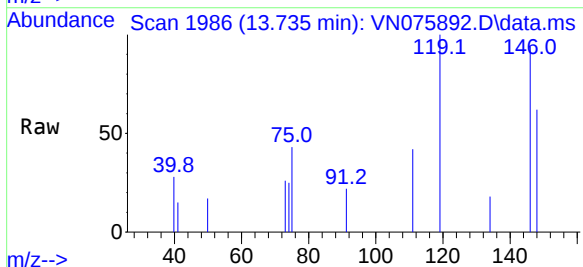
Instrument :
MSVOA_N
ClientSampleId :
IBLK

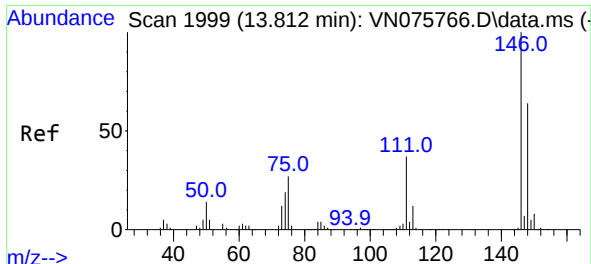
Tgt Ion: 75 Resp: 110516
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.209 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion:146 Resp: 1559
Ion Ratio Lower Upper
146 100
111 37.5 19.7 59.0
148 71.8 31.4 94.2

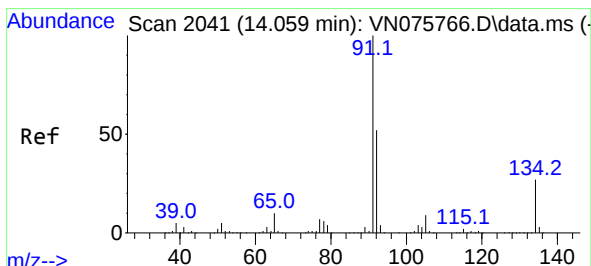
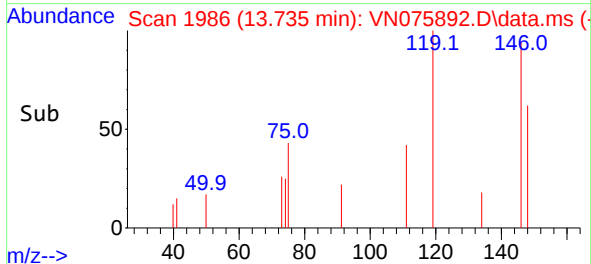
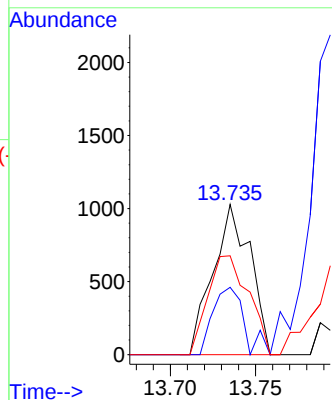
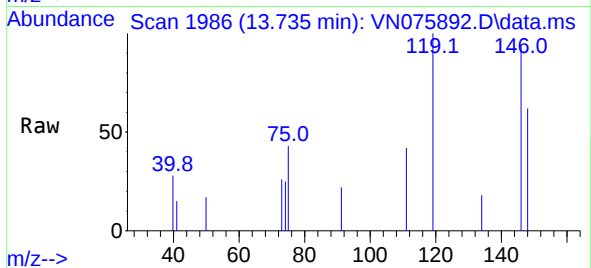




#88
1,4-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

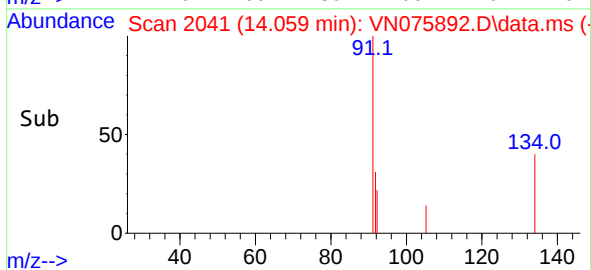
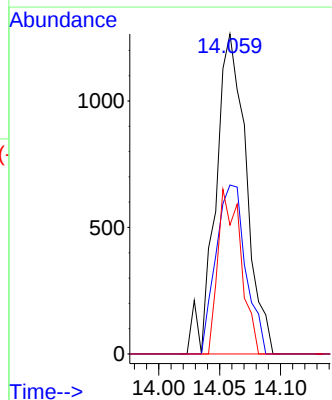
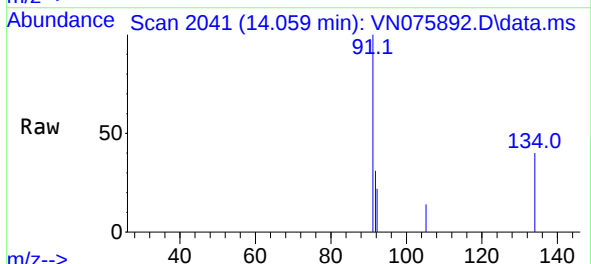
Instrument :
MSVOA_N
ClientSampleId :
IBLK

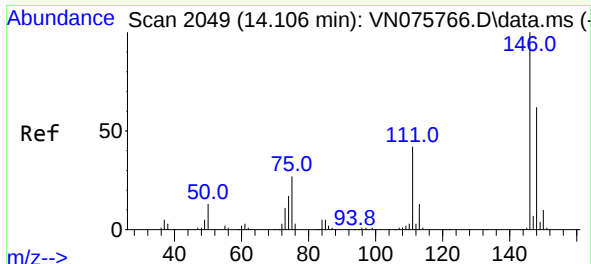
Tgt Ion:146 Resp: 1559
Ion Ratio Lower Upper
146 100
111 37.5 19.1 57.1
148 71.8 32.0 96.2



#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion: 91 Resp: 2213
Ion Ratio Lower Upper
91 100
92 51.5 26.4 79.2
134 38.4 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.229 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN075892.D

Acq: 20 Dec 2022 12:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

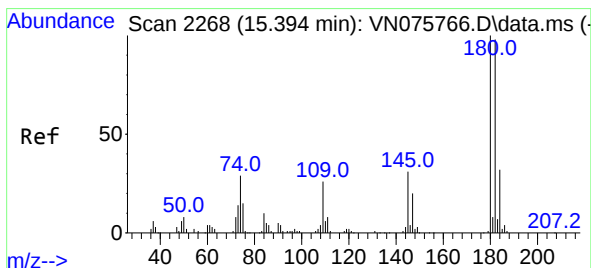
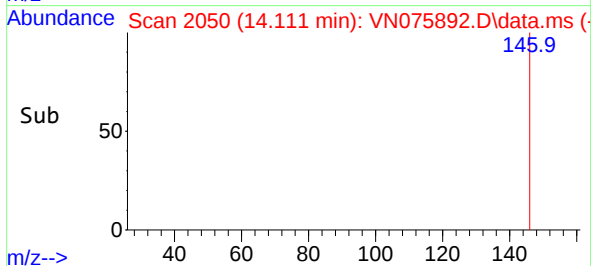
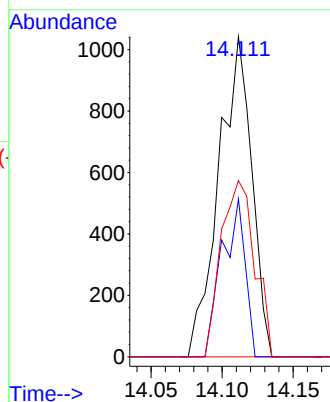
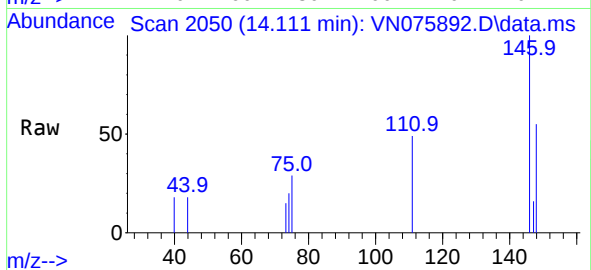
Tgt Ion:146 Resp: 1680

Ion Ratio Lower Upper

146 100

111 34.7 20.3 61.0

148 56.3 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 0.706 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN075892.D

Acq: 20 Dec 2022 12:35

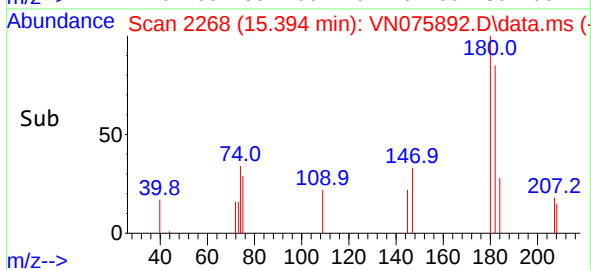
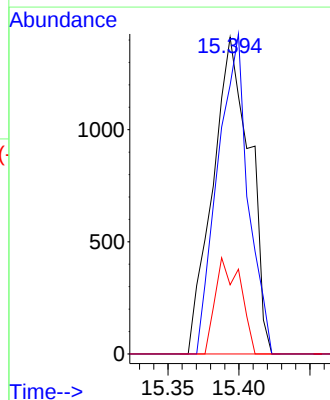
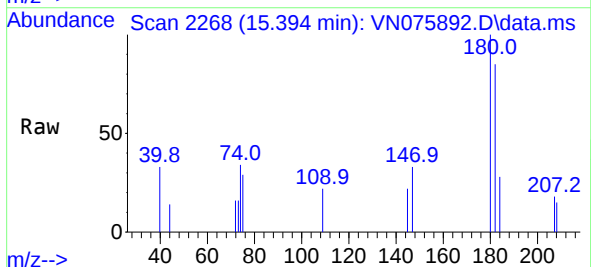
Tgt Ion:180 Resp: 2563

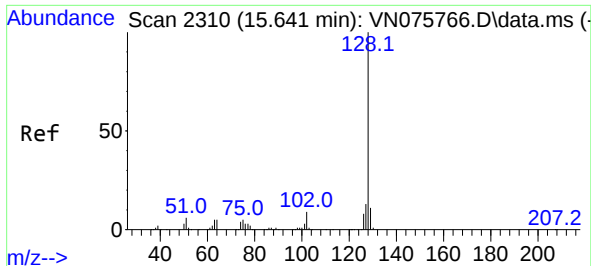
Ion Ratio Lower Upper

180 100

182 82.9 47.5 142.5

145 20.5 15.3 45.8

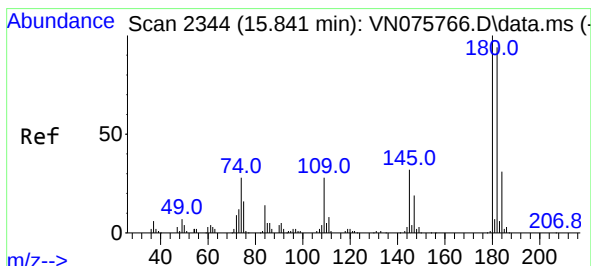
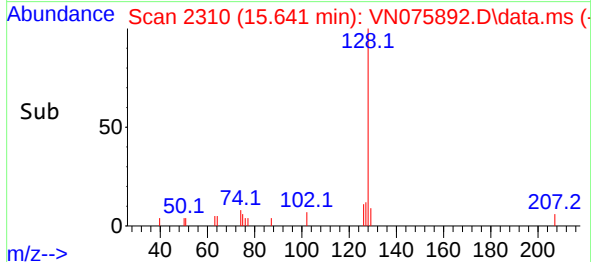
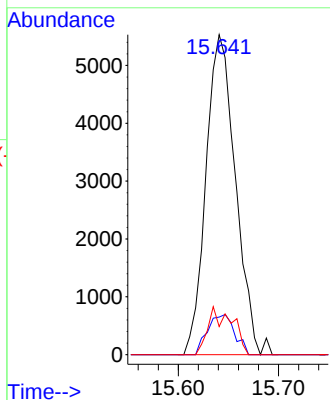
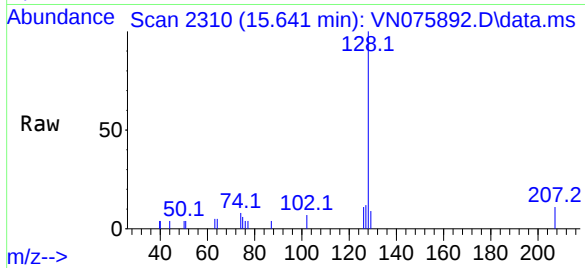




#95
Naphthalene
Concen: 3.079 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	11312
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.4	15.6
129	12.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.764 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN075892.D
Acq: 20 Dec 2022 12:35

Tgt Ion:	180	Resp:	2594
Ion Ratio	Lower	Upper	
180	100		
182	107.2	47.0	141.0
145	33.2	16.0	47.9

