

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075794.D
 Acq On : 15 Dec 2022 02:52
 Operator : JC\MD
 Sample : N5990-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-37

Quant Time: Dec 15 03:16:51 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)

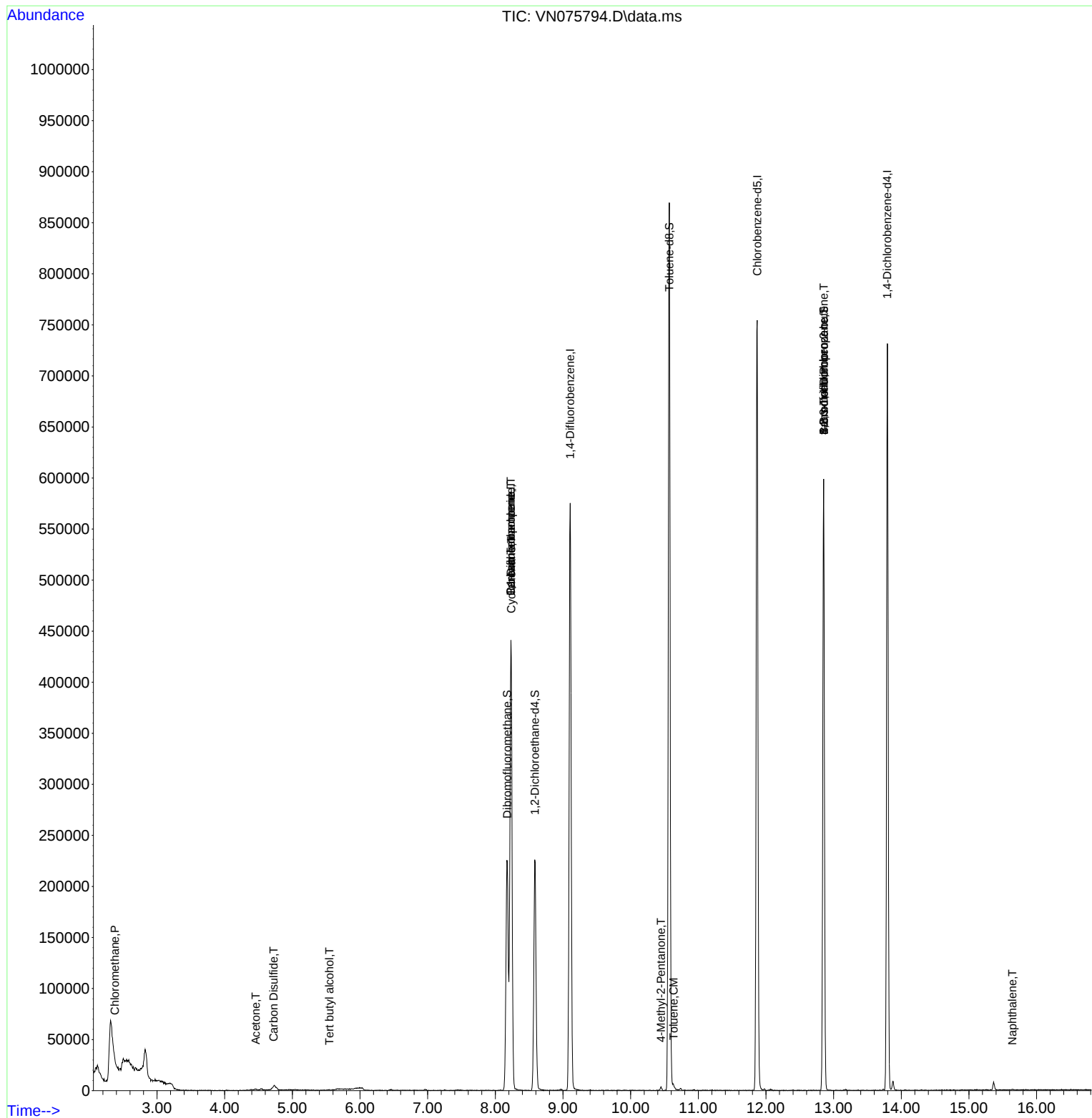
Internal Standards						
1) Pentafluorobenzene	8.230	168	346268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	540973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	473097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	181367	48.145	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.300%
35) Dibromofluoromethane	8.177	113	164020	48.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.920%
50) Toluene-d8	10.571	98	626449	50.012	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.853	95	199289	48.036	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1071	0.350	ug/l #	40
11) Tert butyl alcohol	5.547	59	343	0.643	ug/l #	72
16) Acetone	4.459	43	1619	1.247	ug/l #	39
17) Carbon Disulfide	4.724	76	7160	0.964	ug/l #	76
20) Methylene Chloride	5.283	84	77	Below Cal	#	12
31) Cyclohexane	8.235	56	6729	1.247	ug/l #	11
36) 1,1-Dichloropropene	8.230	75	24072	5.409	ug/l #	48
38) Carbon Tetrachloride	8.230	117	33995	6.825	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	1911	0.536	ug/l	94
52) Toluene	10.635	92	1796	0.201	ug/l	93
71) Bromoform	12.853	173	1747	0.668	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	102278	24.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102278	88.848	ug/l #	12
95) Naphthalene	15.641	128	906	2.255	ug/l #	69

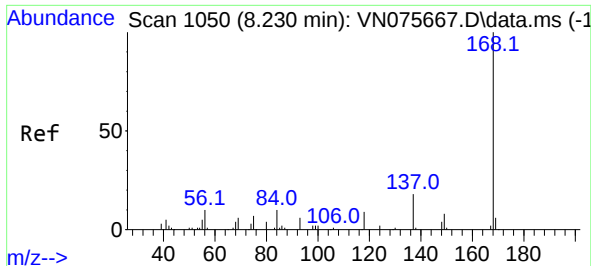
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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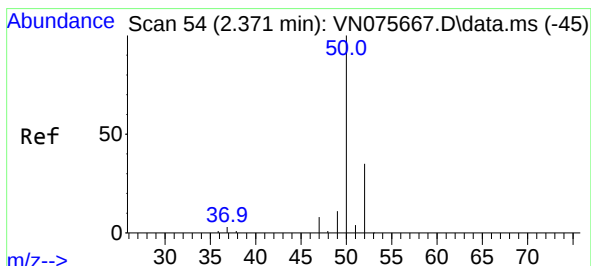
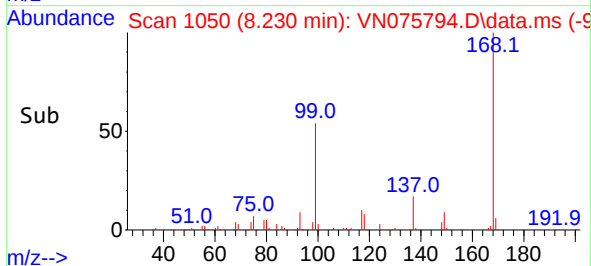
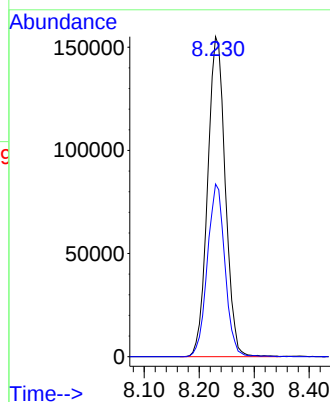
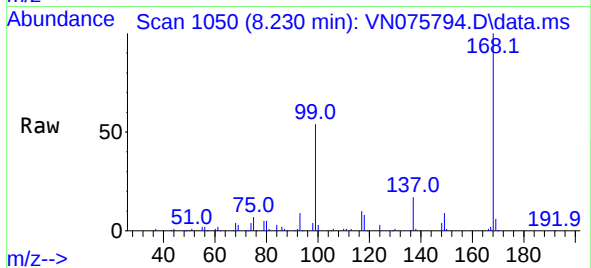




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

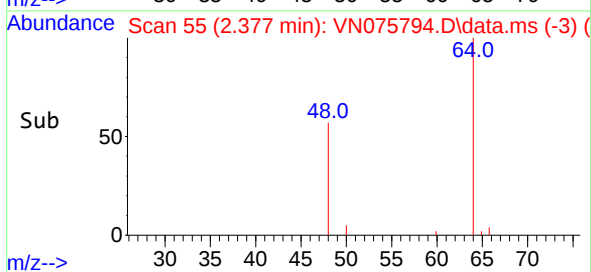
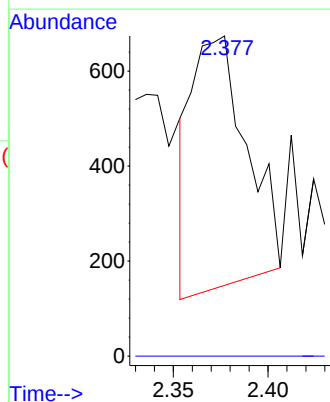
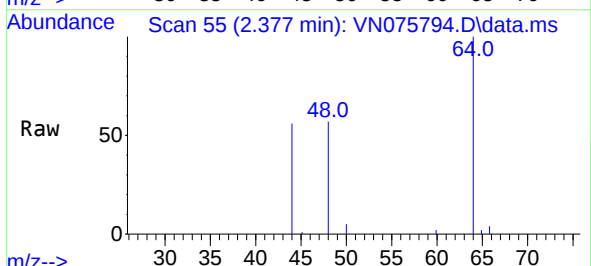
Instrument :
MSVOA_N
ClientSampleId :
MW-37

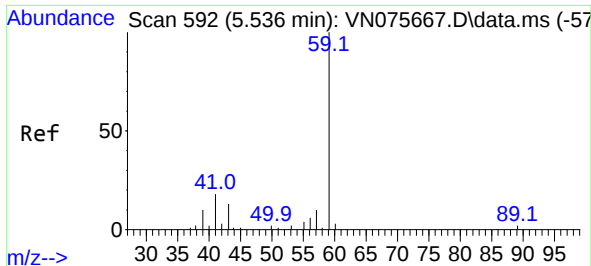
Tgt Ion:168 Resp: 346268
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion: 50 Resp: 1071
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#





#11

Tert butyl alcohol

Concen: 0.643 ug/l

RT: 5.547 min Scan# 59

Delta R.T. 0.012 min

Lab File: VN075794.D

Acq: 15 Dec 2022 02:52

Instrument :

MSVOA_N

ClientSampleId :

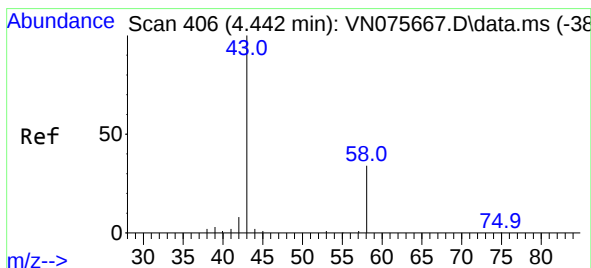
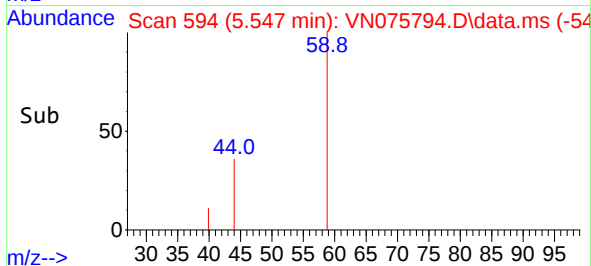
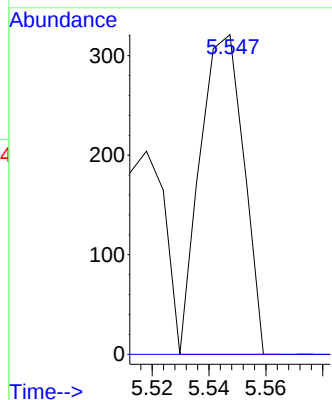
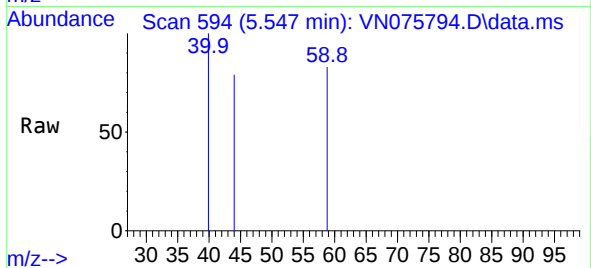
MW-37

Tgt Ion: 59 Resp: 343

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.247 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.018 min

Lab File: VN075794.D

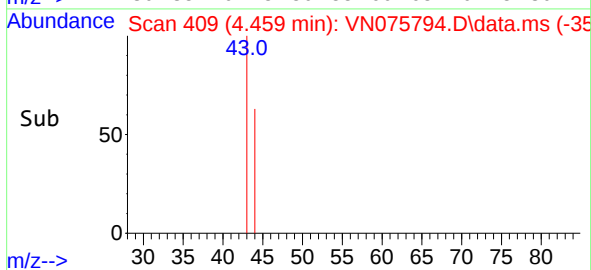
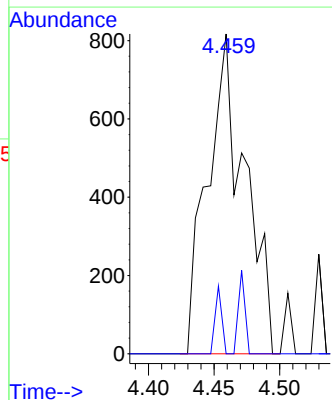
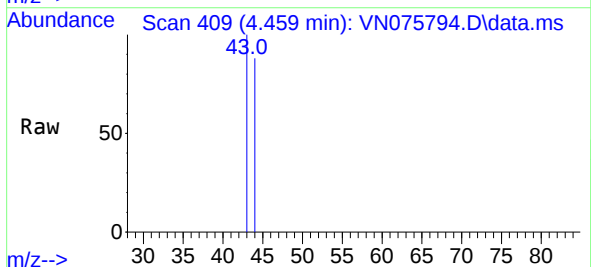
Acq: 15 Dec 2022 02:52

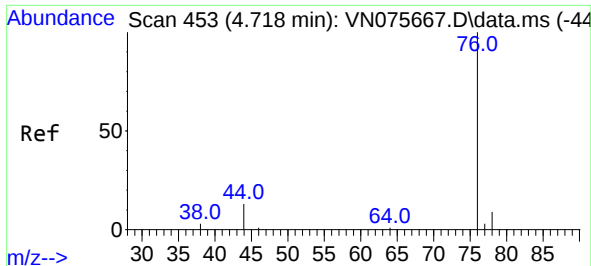
Tgt Ion: 43 Resp: 1619

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#

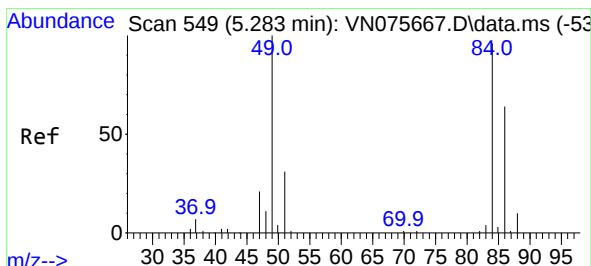
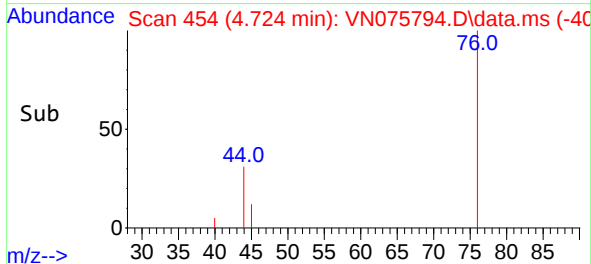
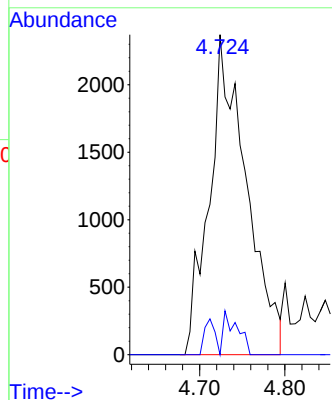
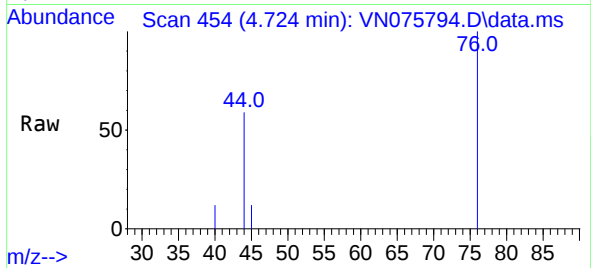




#17
Carbon Disulfide
Concen: 0.964 ug/l
RT: 4.724 min Scan# 453
Delta R.T. 0.006 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

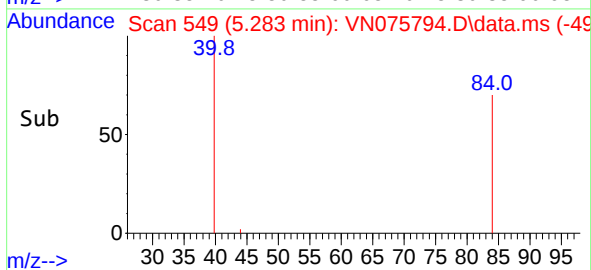
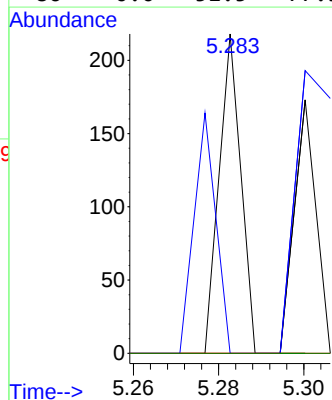
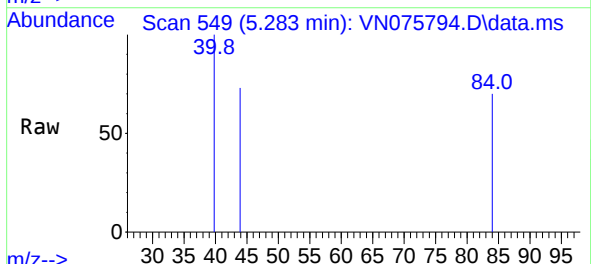
Instrument :
MSVOA_N
ClientSampleId :
MW-37

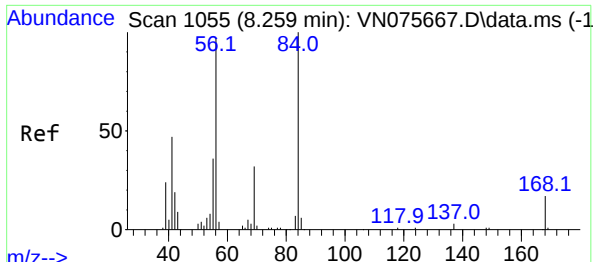
Tgt Ion: 76 Resp: 7160
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

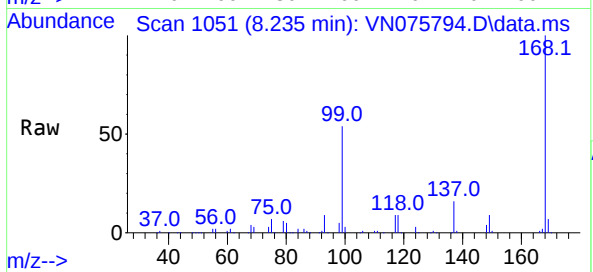
Tgt Ion: 84 Resp: 77
Ion Ratio Lower Upper
84 100
49 0.0 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#



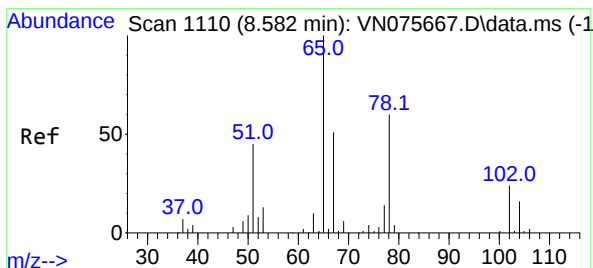
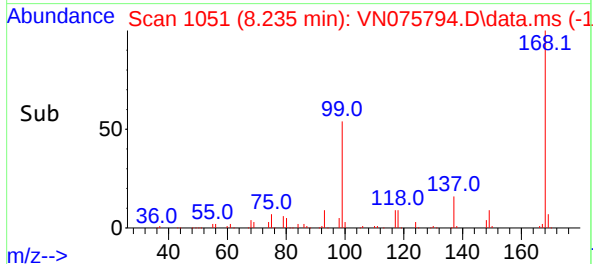
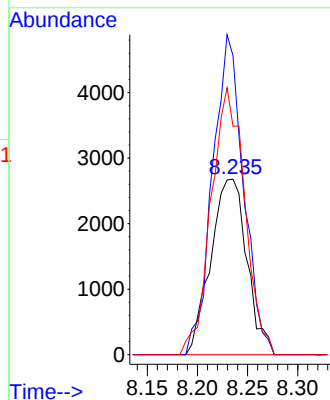


#31
Cyclohexane
Concen: 1.247 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Instrument :
MSVOA_N
ClientSampleId :
MW-37

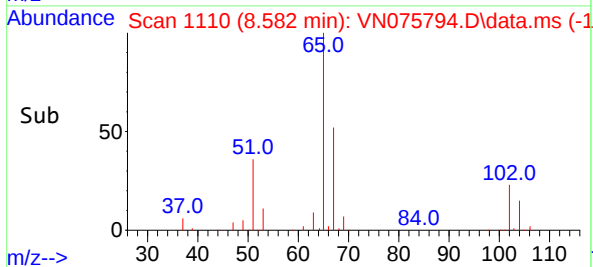
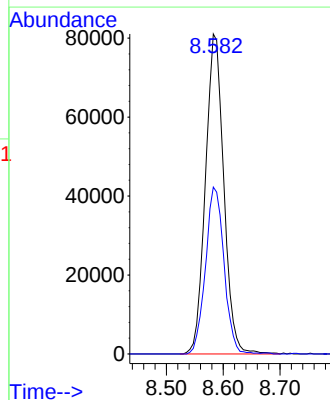
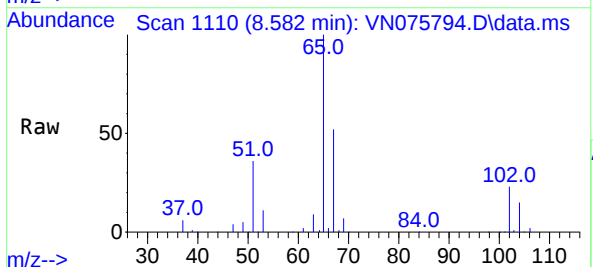


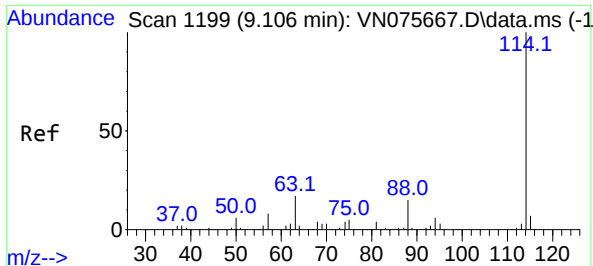
Tgt Ion: 56 Resp: 6729
Ion Ratio Lower Upper
56 100
69 170.4 24.7 37.1#
84 130.2 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 48.145 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion: 65 Resp: 181367
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

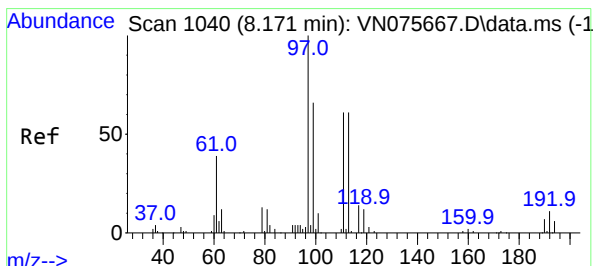
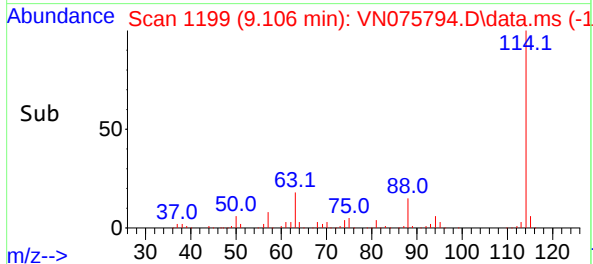
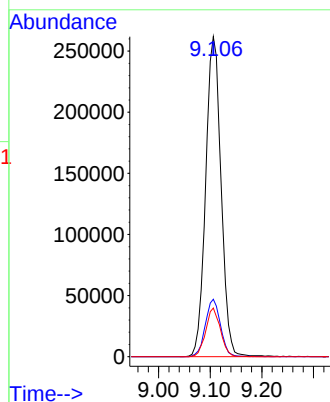
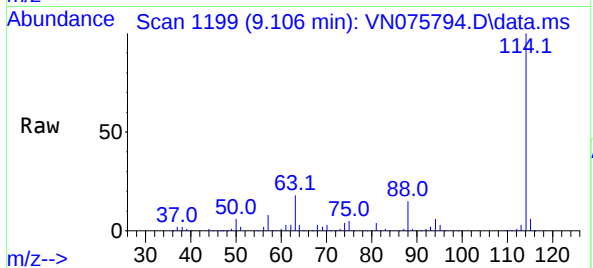




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

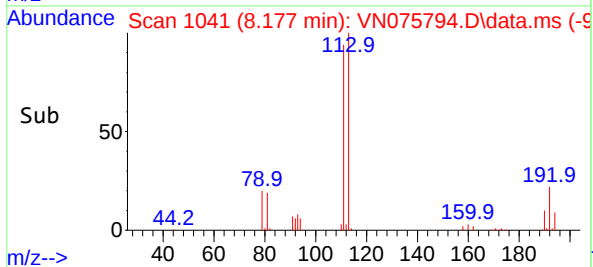
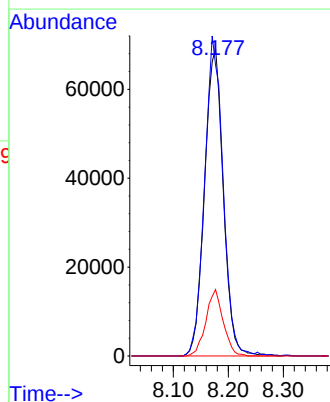
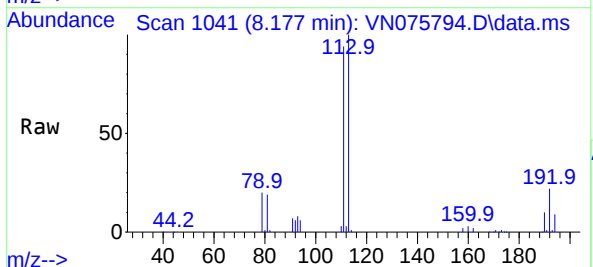
Instrument :
MSVOA_N
ClientSampleId :
MW-37

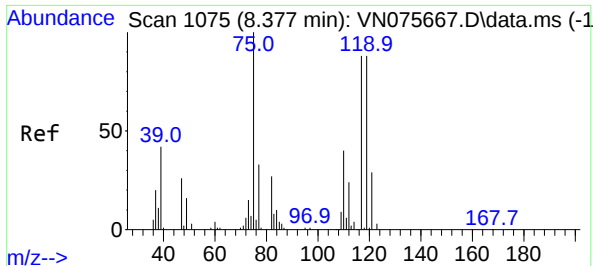
Tgt Ion:114 Resp: 540973
Ion Ratio Lower Upper
114 100
63 18.0 0.0 34.4
88 15.2 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.959 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion:113 Resp: 164020
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 19.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.409 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075794.D

Acq: 15 Dec 2022 02:52

Instrument :

MSVOA_N

ClientSampleId :

MW-37

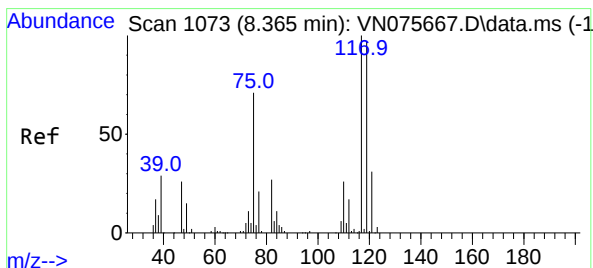
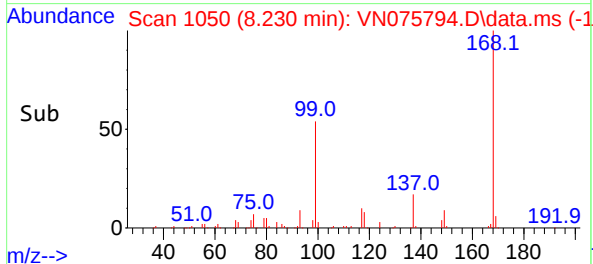
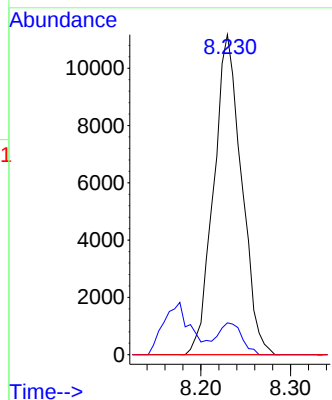
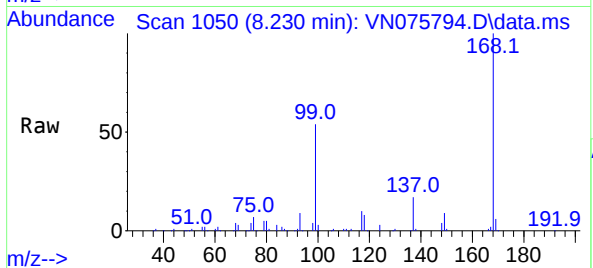
Tgt Ion: 75 Resp: 24072

Ion Ratio Lower Upper

75 100

110 8.2 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.825 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075794.D

Acq: 15 Dec 2022 02:52

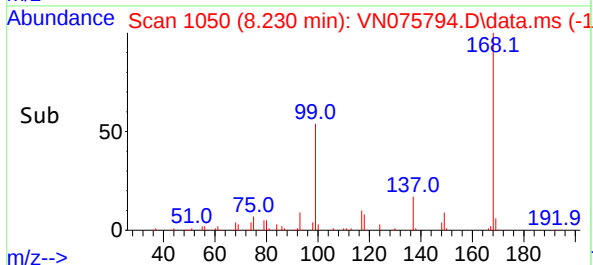
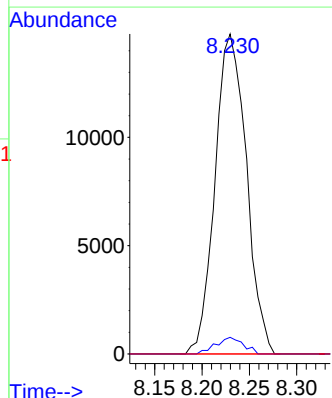
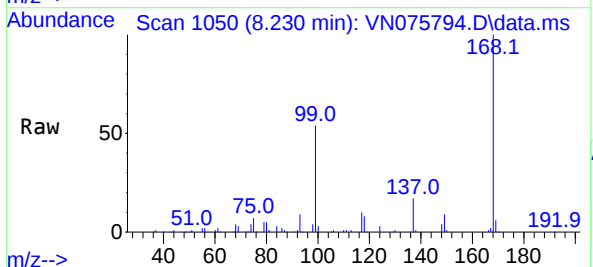
Tgt Ion: 117 Resp: 33995

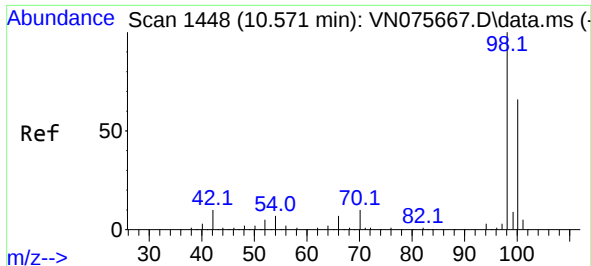
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.5 36.7#

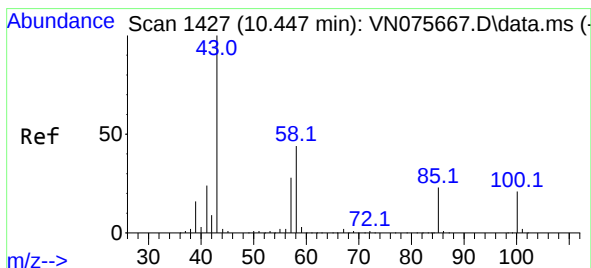
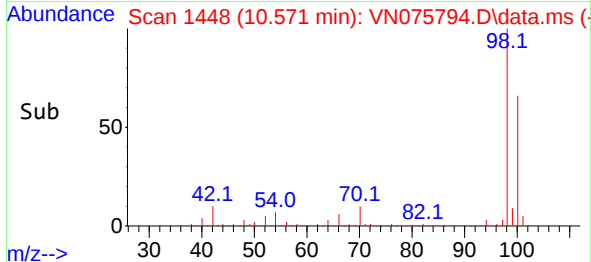
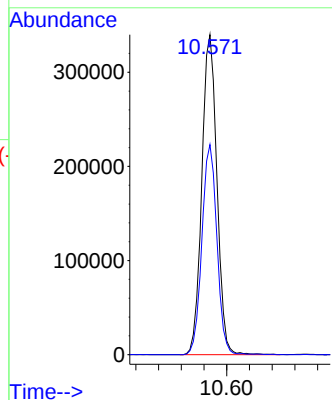
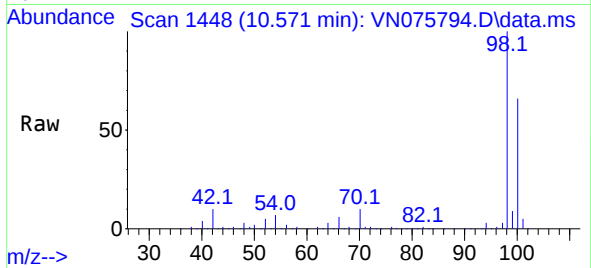




#50
Toluene-d8
Concen: 50.012 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

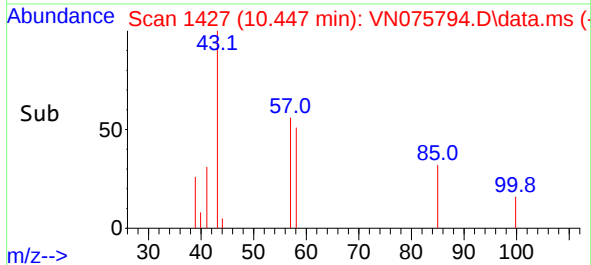
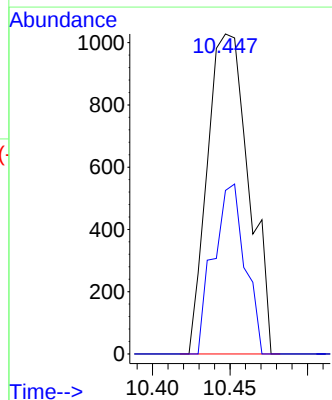
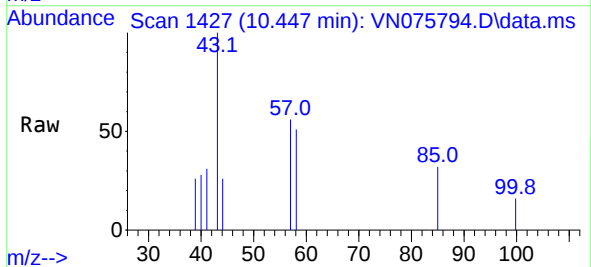
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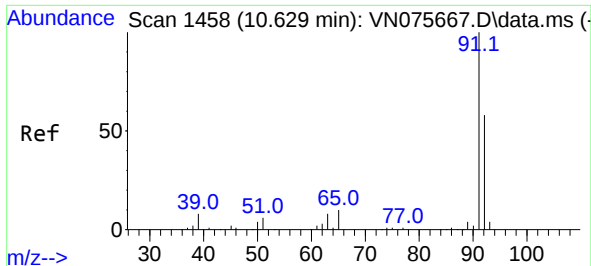
Tgt Ion: 98 Resp: 626449
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.536 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
58 40.4 35.5 53.3

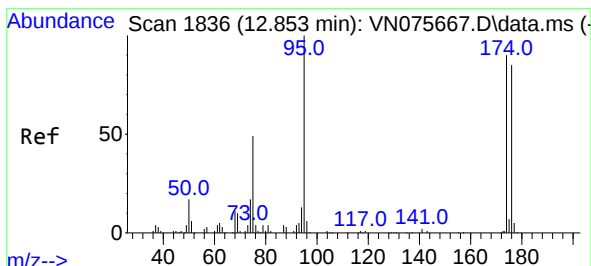
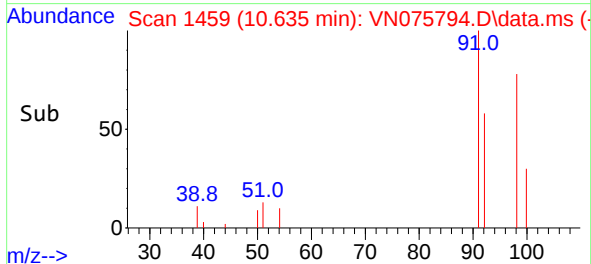
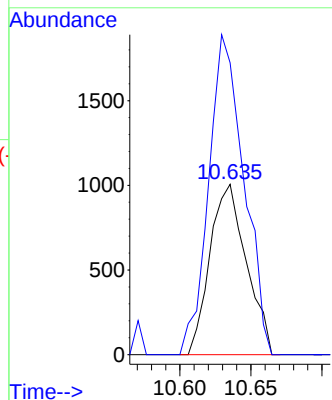
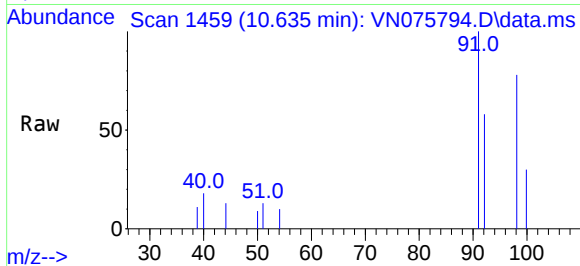




#52
Toluene
Concen: 0.201 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

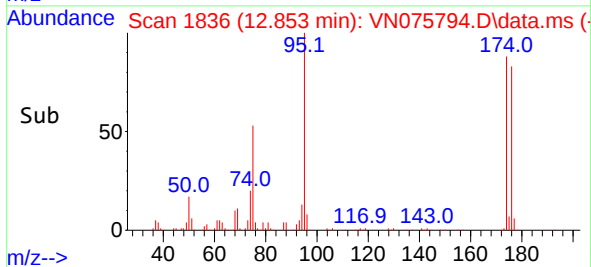
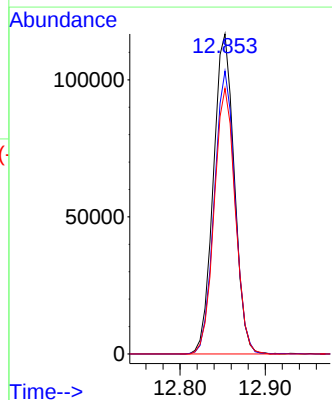
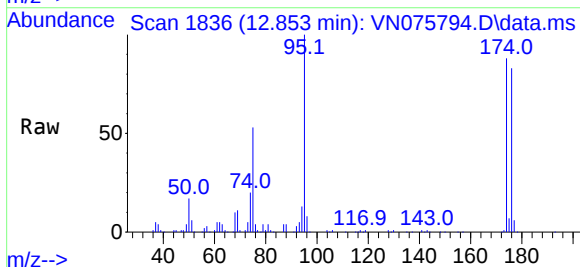
Instrument :
MSVOA_N
ClientSampleId :
MW-37

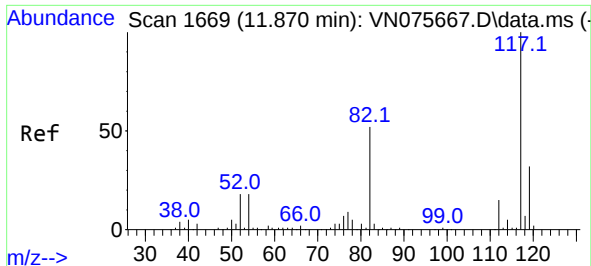
Tgt Ion: 92 Resp: 1796
Ion Ratio Lower Upper
92 100
91 181.9 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 48.036 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion: 95 Resp: 199289
Ion Ratio Lower Upper
95 100
174 87.4 0.0 171.6
176 83.2 0.0 169.2

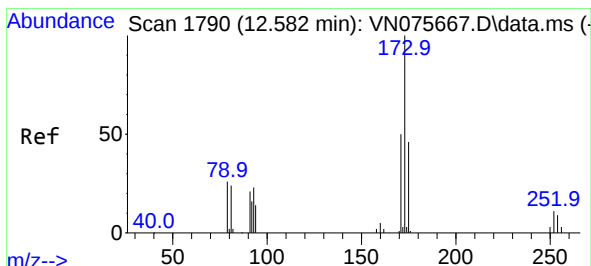
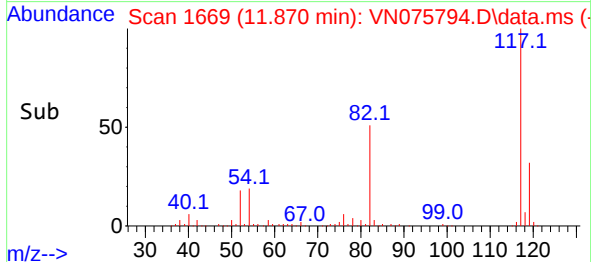
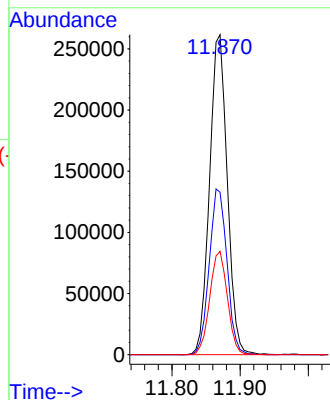
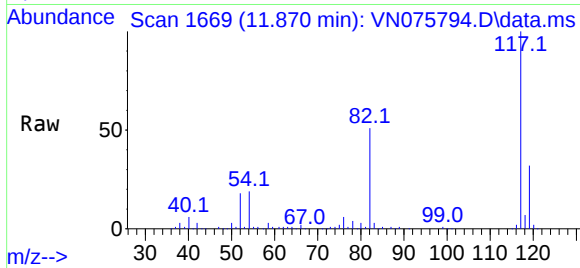




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

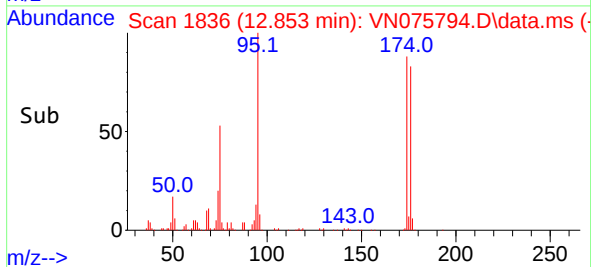
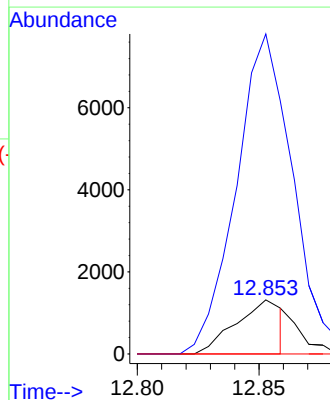
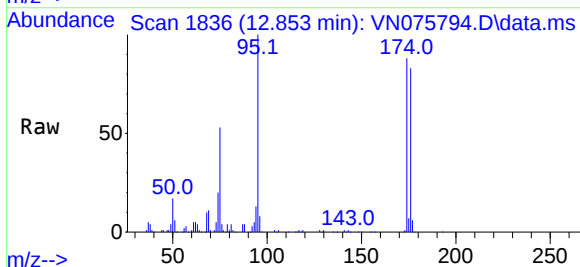
Instrument :
MSVOA_N
ClientSampleId :
MW-37

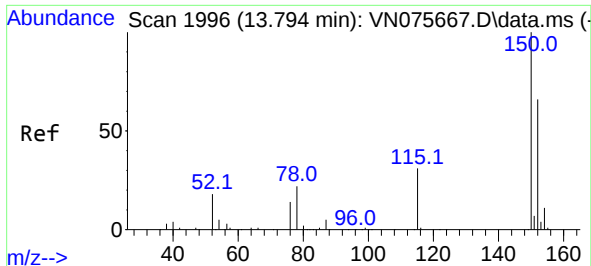
Tgt Ion:117 Resp: 473097
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 32.3 24.6 37.0



#71
Bromoform
Concen: 0.668 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion:173 Resp: 1747
Ion Ratio Lower Upper
173 100
175 575.3 24.3 72.8#
254 0.0 0.0 0.0

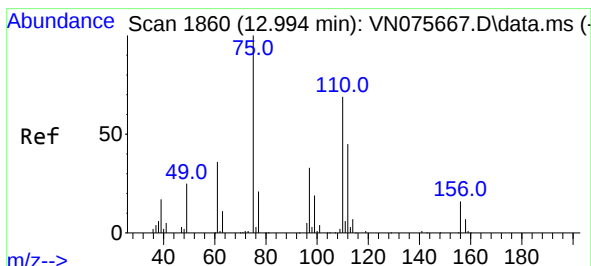
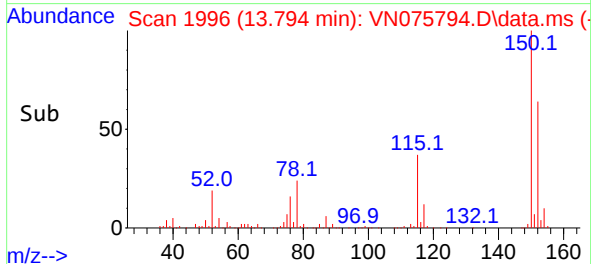
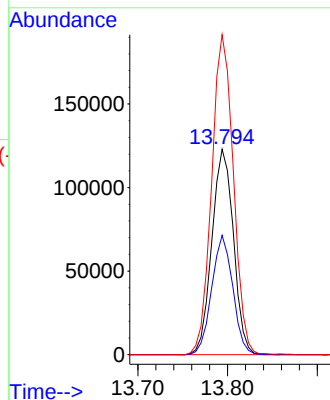
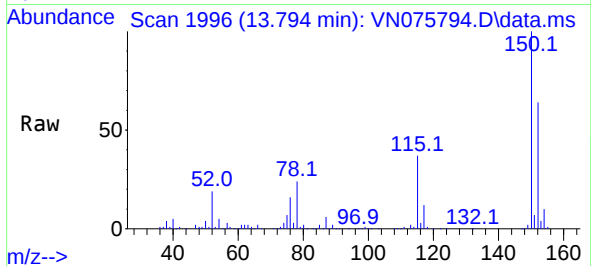




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

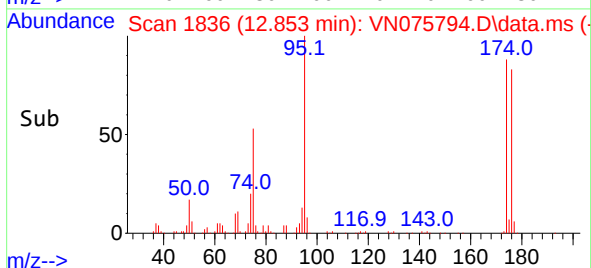
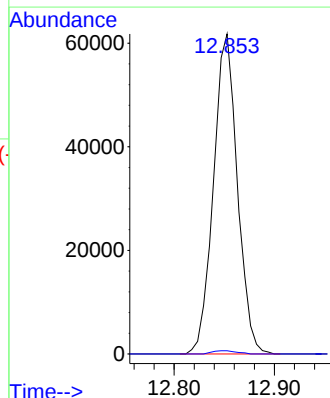
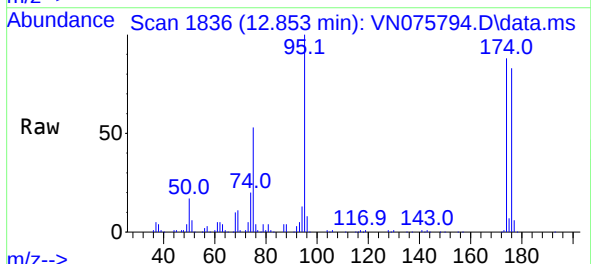
Instrument :
MSVOA_N
ClientSampleId :
MW-37

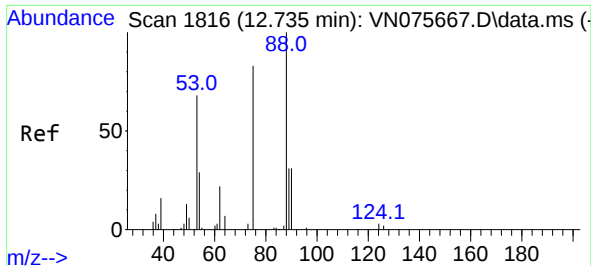
Tgt Ion:152 Resp: 205560
Ion Ratio Lower Upper
152 100
115 56.6 29.1 87.4
150 156.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.683 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion: 75 Resp: 102278
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

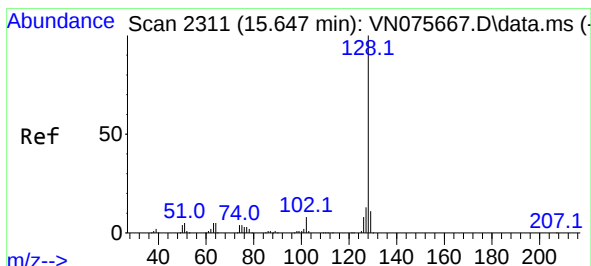
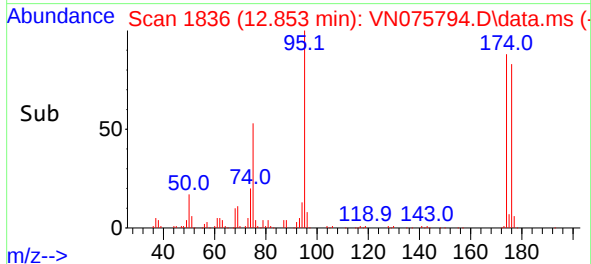
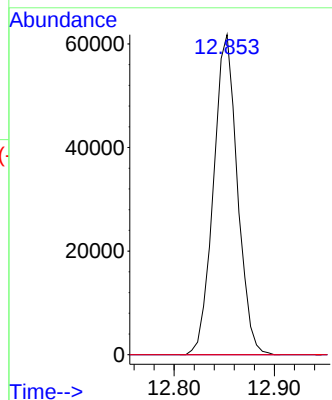
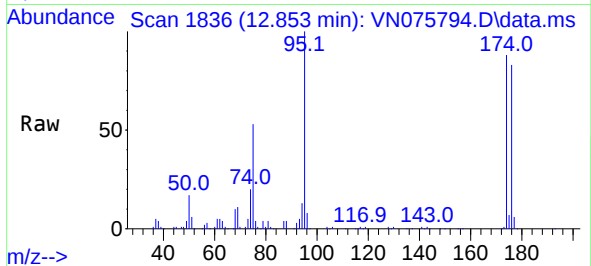




#81
trans-1,4-Dichloro-2-butene
Concen: 88.848 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Instrument :
MSVOA_N
ClientSampleId :
MW-37

Tgt Ion: 75 Resp: 102278
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.255 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075794.D
Acq: 15 Dec 2022 02:52

Tgt Ion:128 Resp: 906
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

