

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121922\
 Data File : VN075880.D
 Acq On : 19 Dec 2022 18:46
 Operator : JC\MD
 Sample : N6131-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 01:31:16 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)

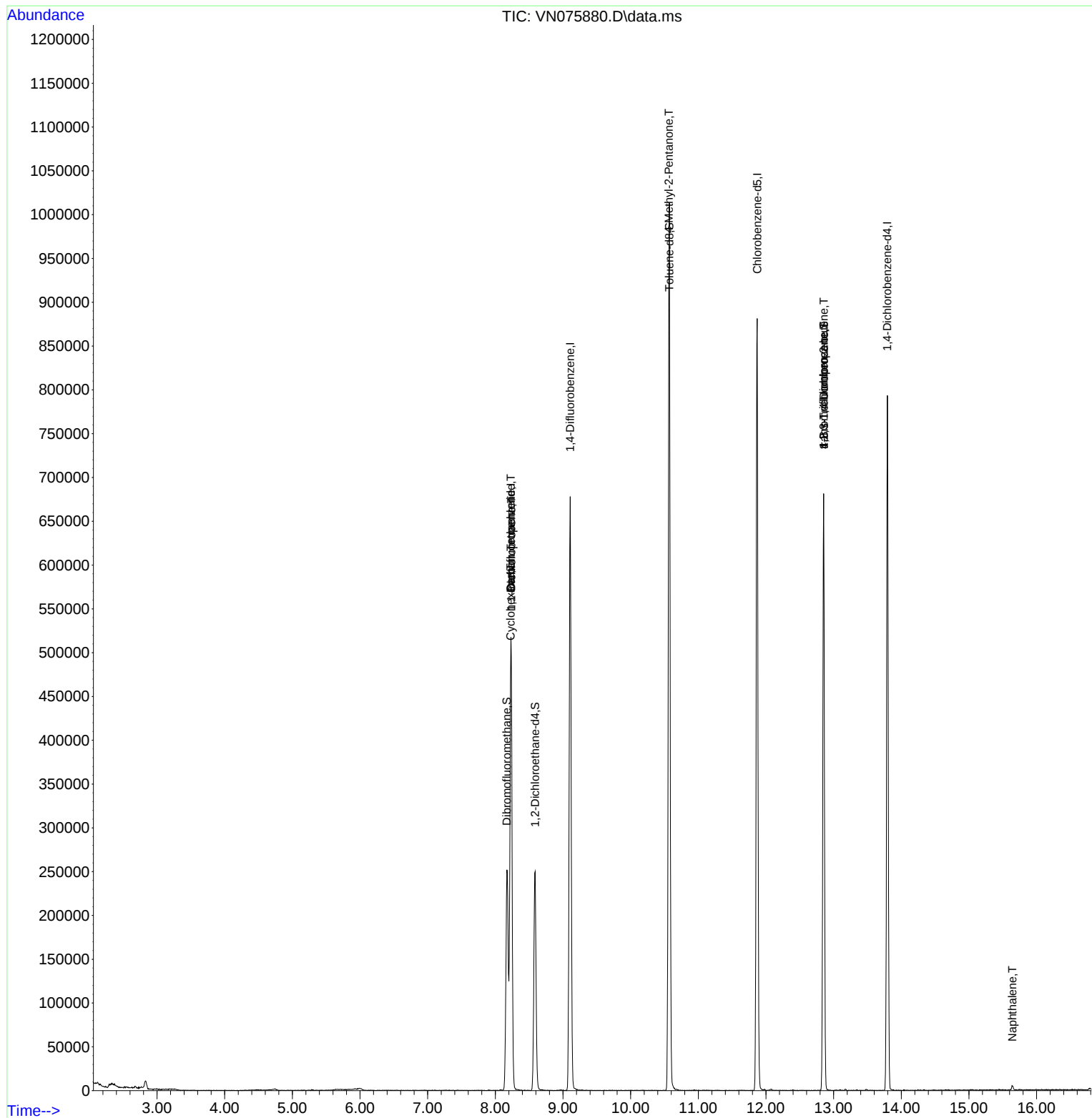
Internal Standards						
1) Pentafluorobenzene	8.230	168	406259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	623875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	535873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	203523	46.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.100%		
35) Dibromofluoromethane	8.171	113	185210	47.938	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.880%		
50) Toluene-d8	10.571	98	711377	49.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.500%		
62) 4-Bromofluorobenzene	12.853	95	221953	46.390	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.780%		
Target Compounds						
20) Methylene Chloride	5.283	84	289	Below Cal	#	64
31) Cyclohexane	8.224	56	7995	1.263	ug/l #	34
36) 1,1-Dichloropropene	8.236	75	29458	5.740	ug/l #	50
38) Carbon Tetrachloride	8.230	117	39644	6.901	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	2661	0.647	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	115247	26.048	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115247	93.759	ug/l #	12
95) Naphthalene	15.641	128	5114	2.587	ug/l	99

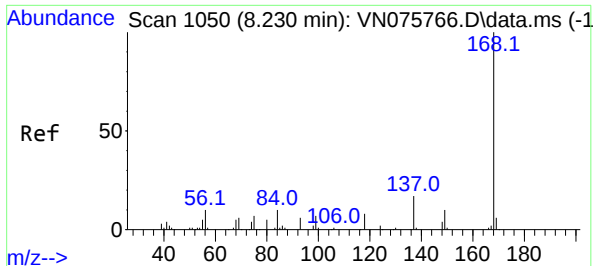
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075880.D

Acq: 19 Dec 2022 18:46

Instrument :

MSVOA_N

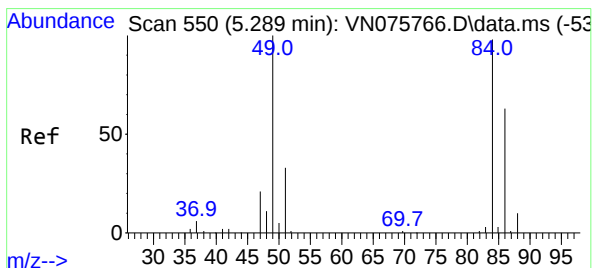
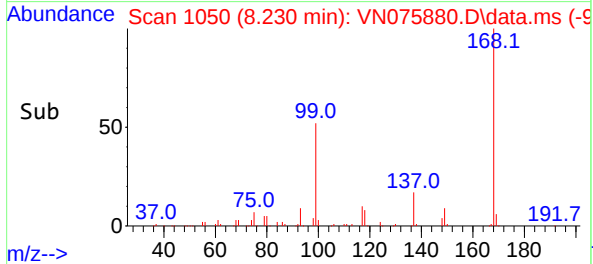
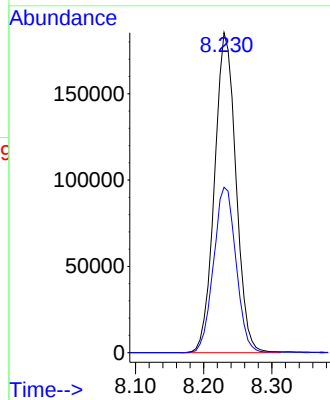
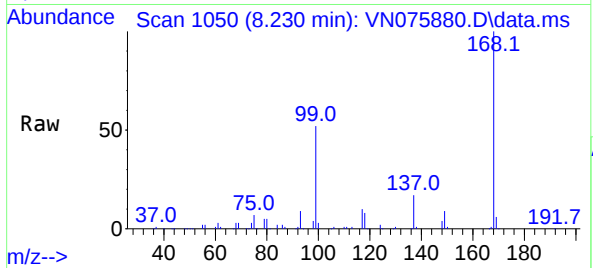
ClientSampleId :

Tgt Ion:168 Resp: 406259

Ion Ratio Lower Upper

168 100

99 51.7 44.2 66.4



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN075880.D

Acq: 19 Dec 2022 18:46

Tgt Ion: 84 Resp: 289

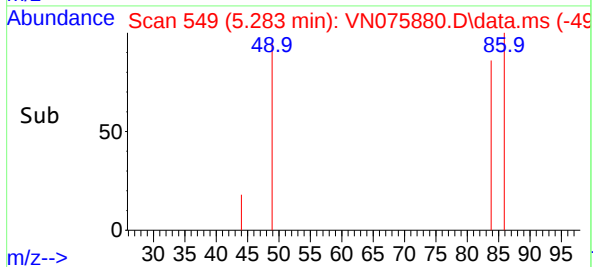
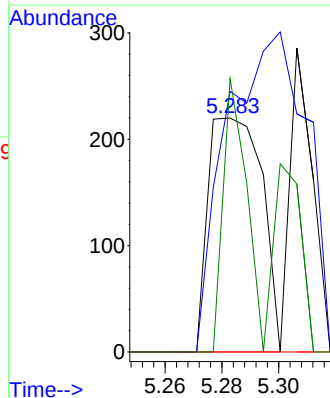
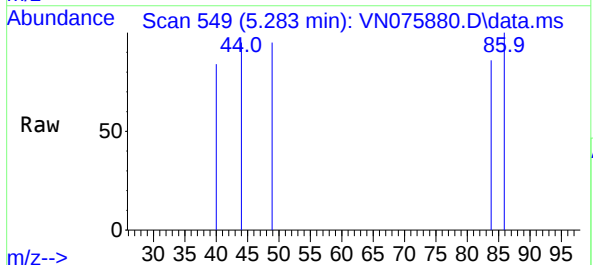
Ion Ratio Lower Upper

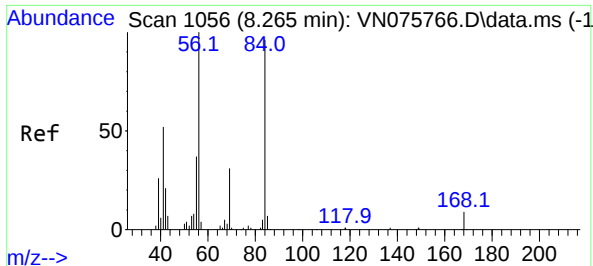
84 100

49 111.4 81.8 122.6

51 0.0 26.7 40.1#

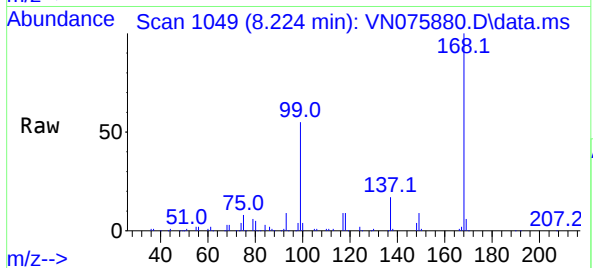
86 116.8 51.5 77.3#



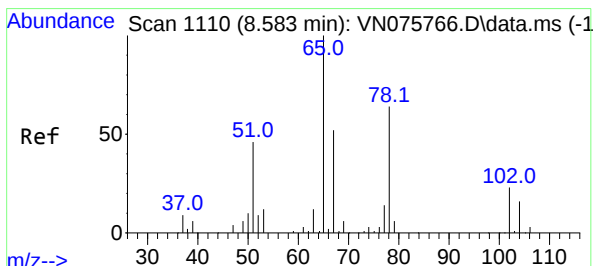
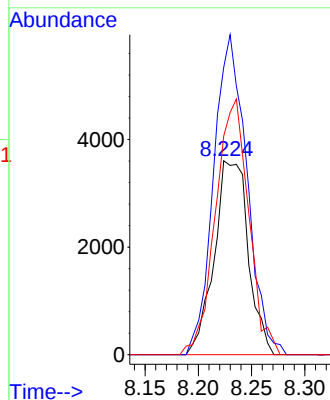
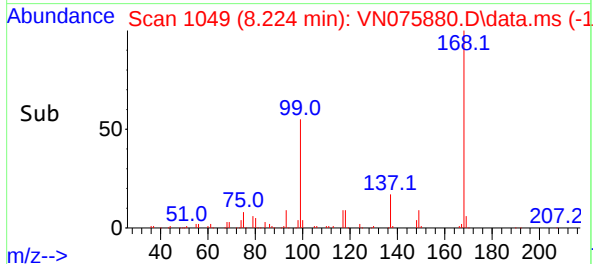


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Instrument :
MSVOA_N
ClientSampleId :

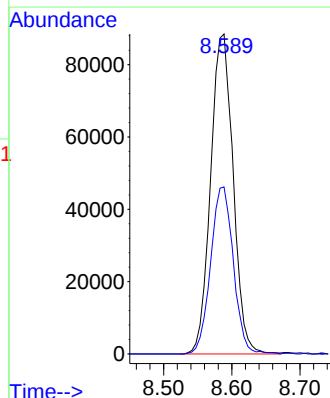
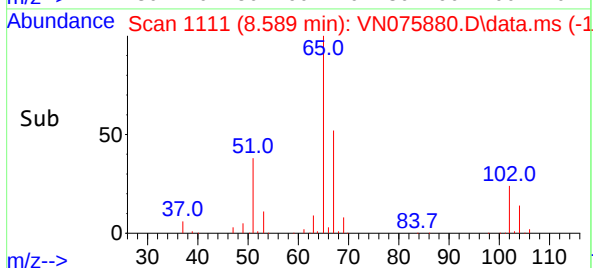
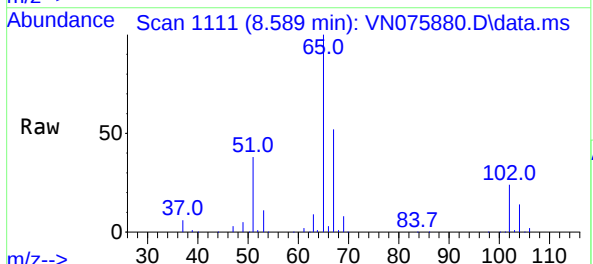


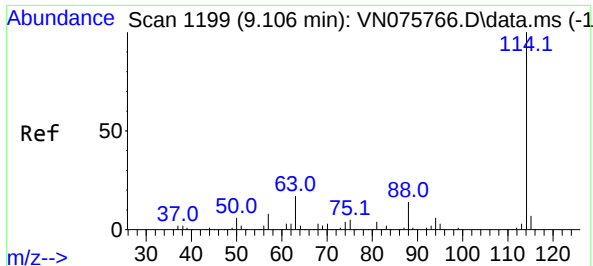
Tgt Ion: 56 Resp: 7995
Ion Ratio Lower Upper
56 100
69 148.3 24.7 37.1#
84 112.8 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 46.049 ug/l
RT: 8.589 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Tgt Ion: 65 Resp: 203523
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

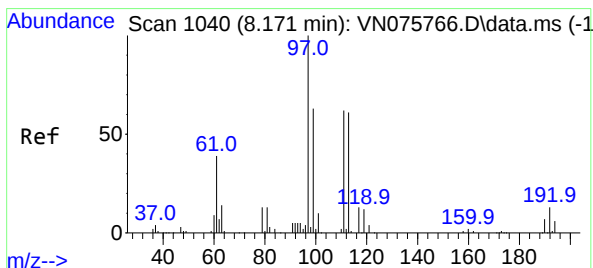
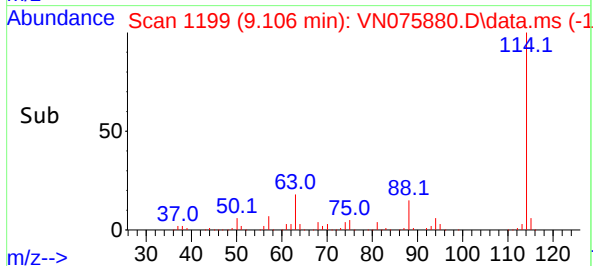
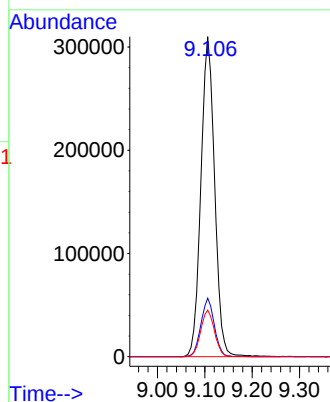
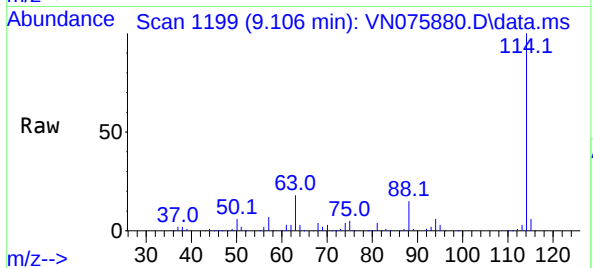




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

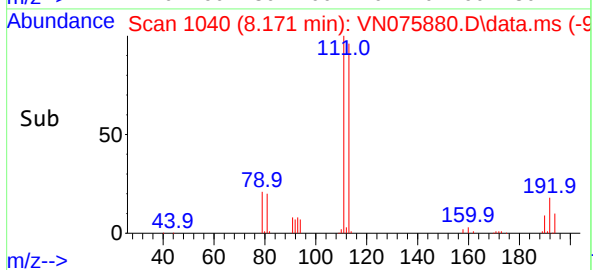
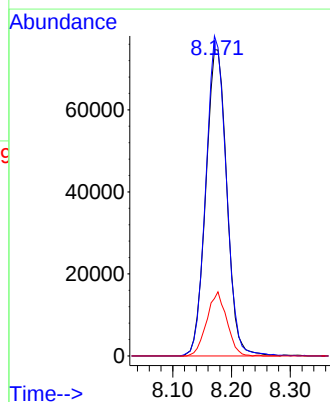
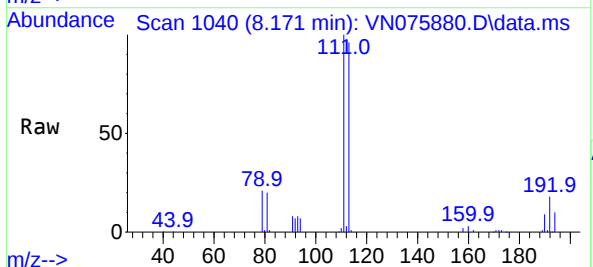
Instrument :
MSVOA_N
ClientSampleId :

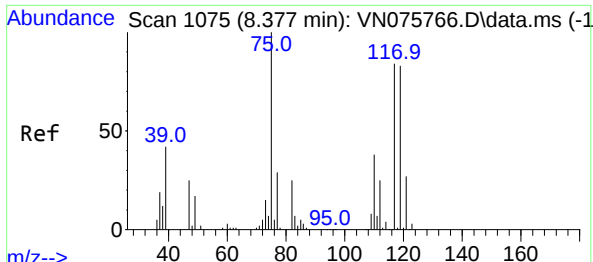
Tgt Ion:114 Resp: 623875
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.4
88 14.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.938 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Tgt Ion:113 Resp: 185210
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.2
192 19.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.740 ug/l

RT: 8.236 min Scan# 10

Delta R.T. -0.141 min

Lab File: VN075880.D

Acq: 19 Dec 2022 18:46

Instrument :

MSVOA_N

ClientSampleId :

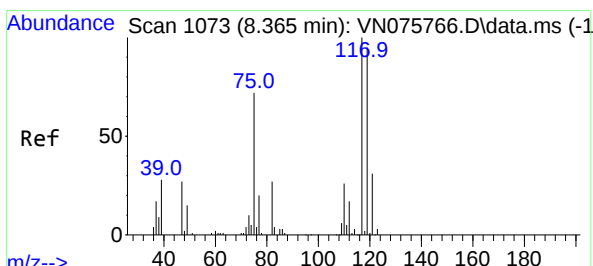
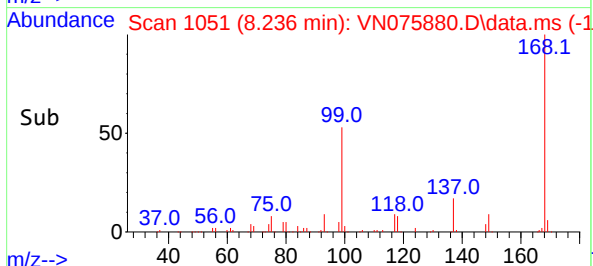
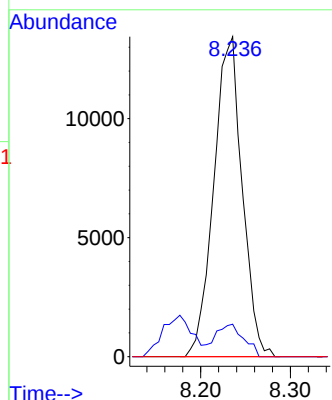
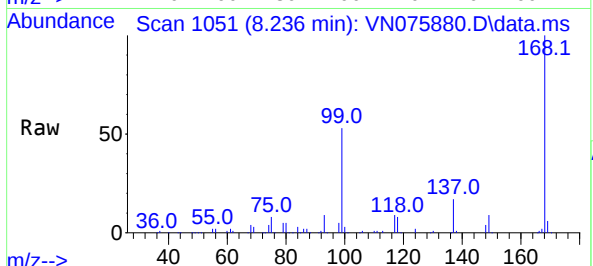
Tgt Ion: 75 Resp: 29458

Ion Ratio Lower Upper

75 100

110 9.9 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.901 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075880.D

Acq: 19 Dec 2022 18:46

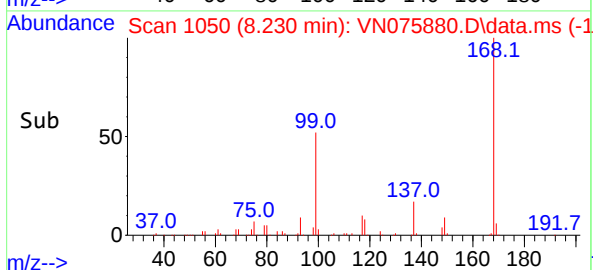
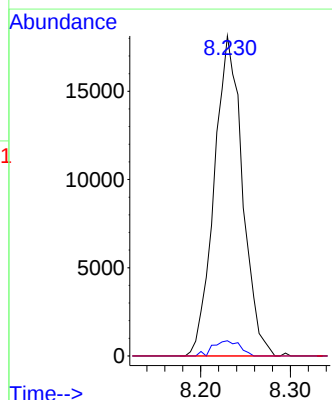
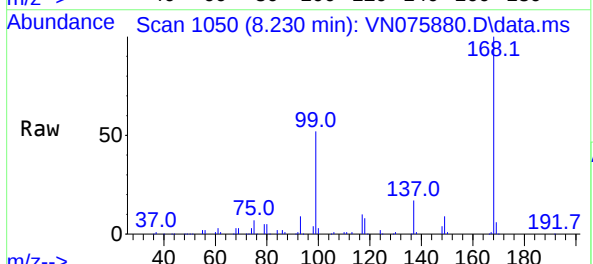
Tgt Ion: 117 Resp: 39644

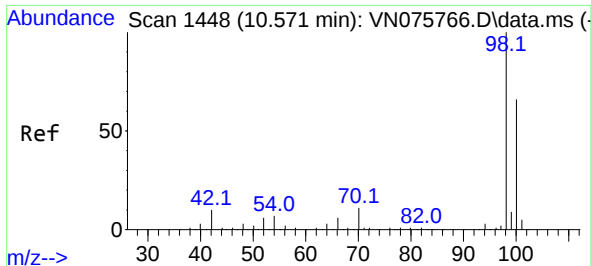
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.5 36.7#

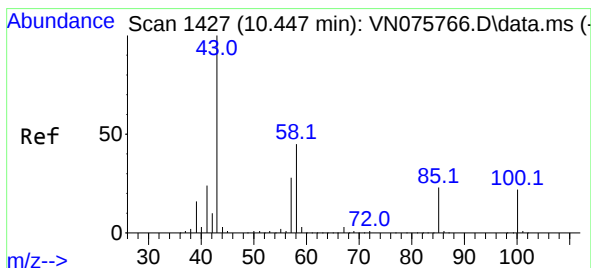
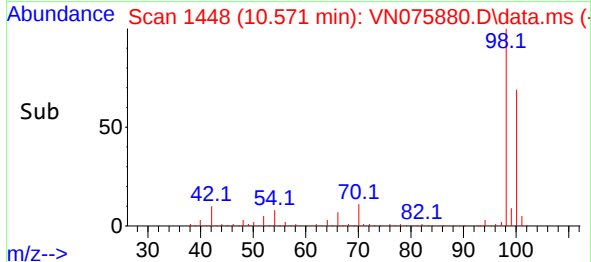
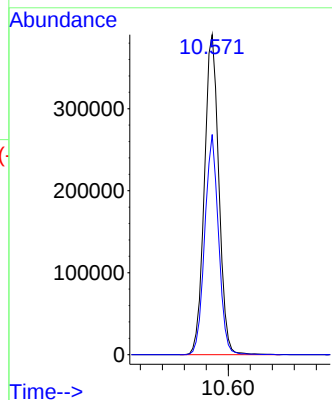
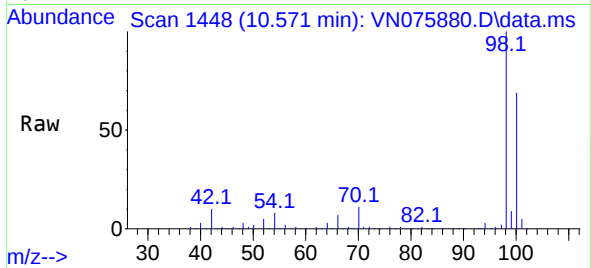




#50
Toluene-d8
Concen: 49.246 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

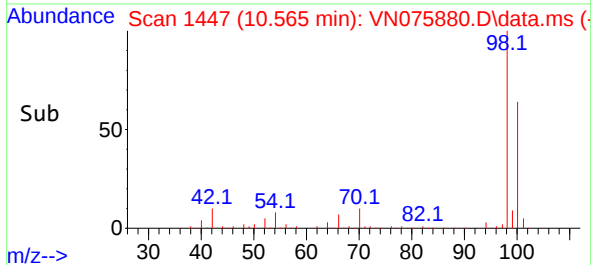
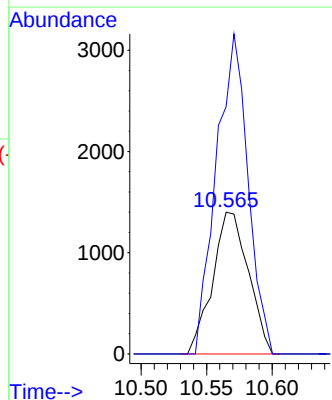
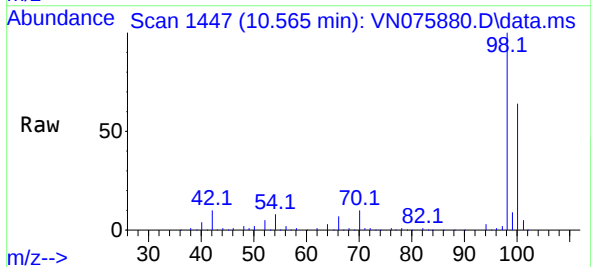
Instrument :
MSVOA_N
ClientSampleId :

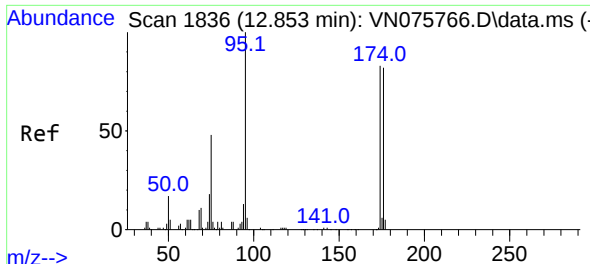
Tgt Ion: 98 Resp: 711377
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.647 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Tgt Ion: 43 Resp: 2661
Ion Ratio Lower Upper
43 100
58 199.7 35.5 53.3#

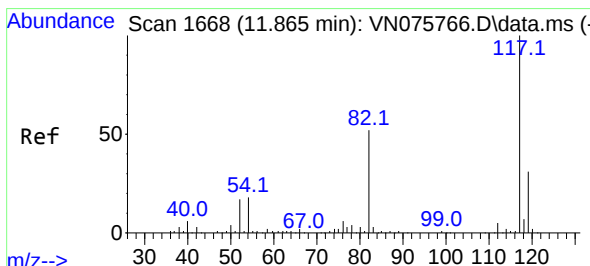
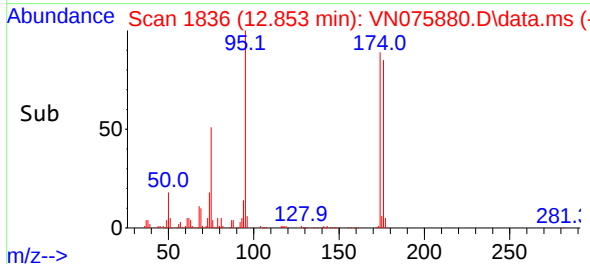
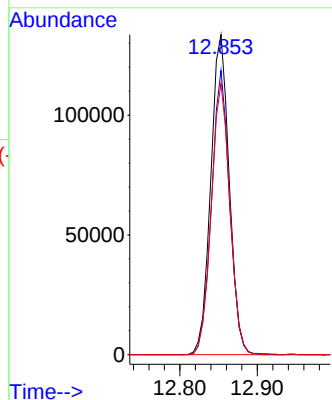
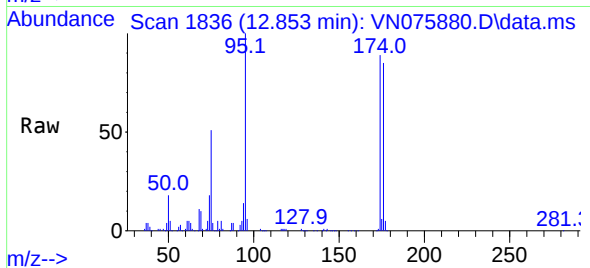




#62
4-Bromofluorobenzene
Concen: 46.390 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

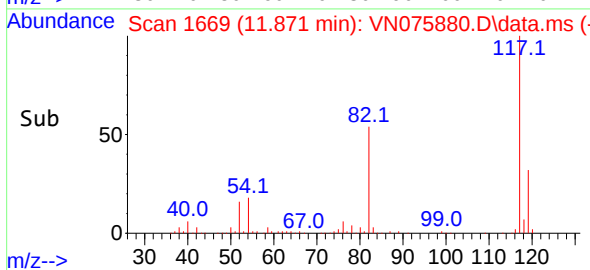
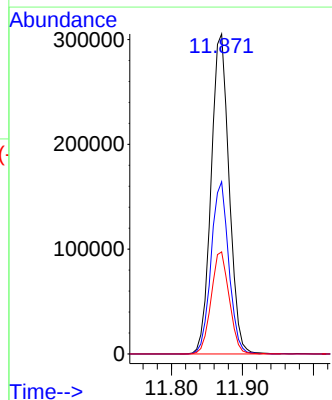
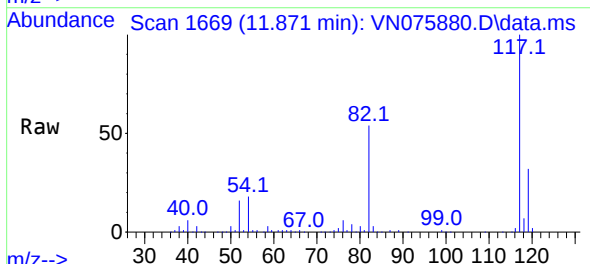
Instrument :
MSVOA_N
ClientSampleId :

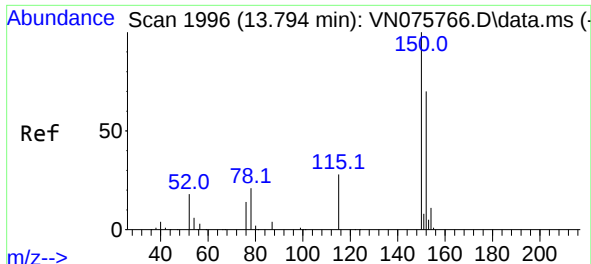
Tgt Ion: 95 Resp: 221953
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 85.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

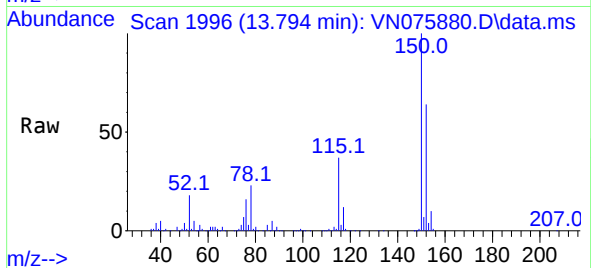
Tgt Ion: 117 Resp: 535873
Ion Ratio Lower Upper
117 100
82 53.8 41.3 61.9
119 31.9 24.6 37.0



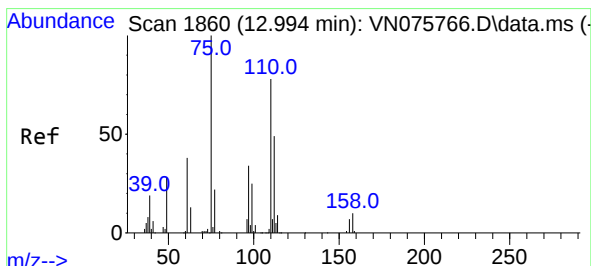
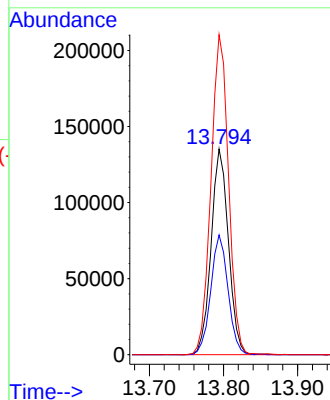
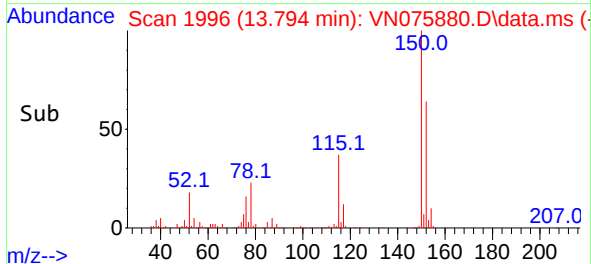


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Instrument :
MSVOA_N
ClientSampleId :

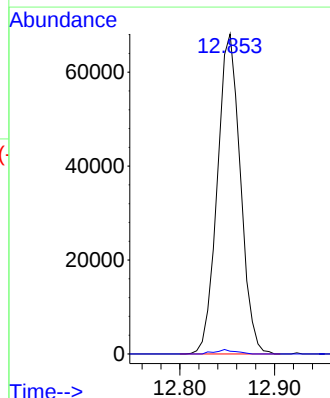
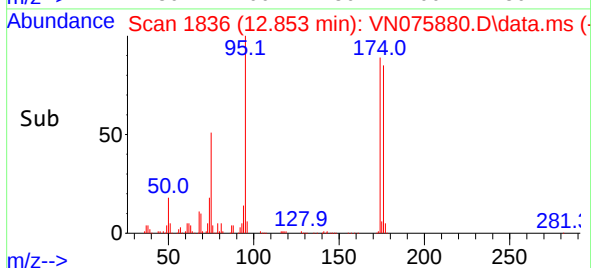
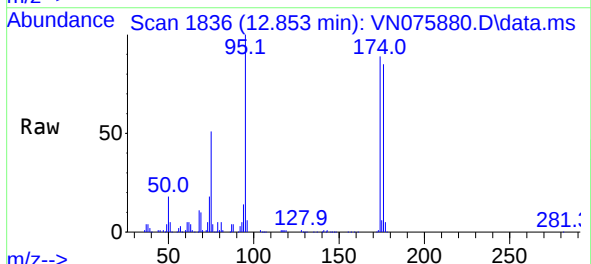


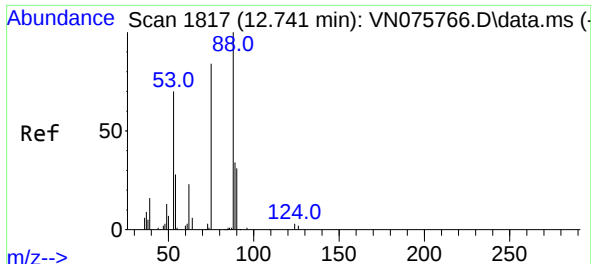
Tgt Ion:152 Resp: 219493
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 157.9 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 26.048 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Tgt Ion: 75 Resp: 115247
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

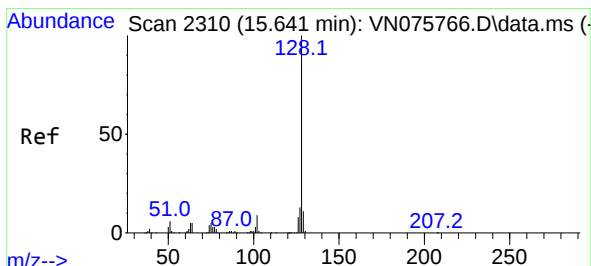
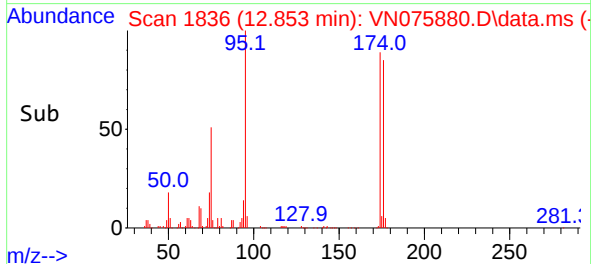
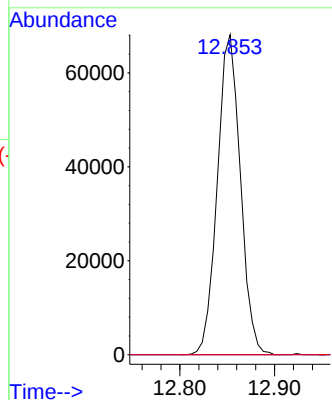
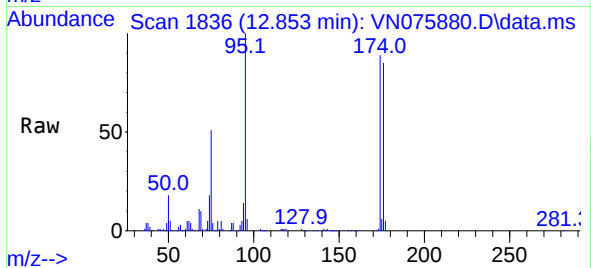




#81
trans-1,4-Dichloro-2-butene
Concen: 93.759 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 115247
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.587 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN075880.D
Acq: 19 Dec 2022 18:46

Tgt Ion:128 Resp: 5114
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 10.9 8.7 13.1

