

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075818.D
 Acq On : 15 Dec 2022 15:23
 Operator : JC\MD
 Sample : N6002-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 03:10:00 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)

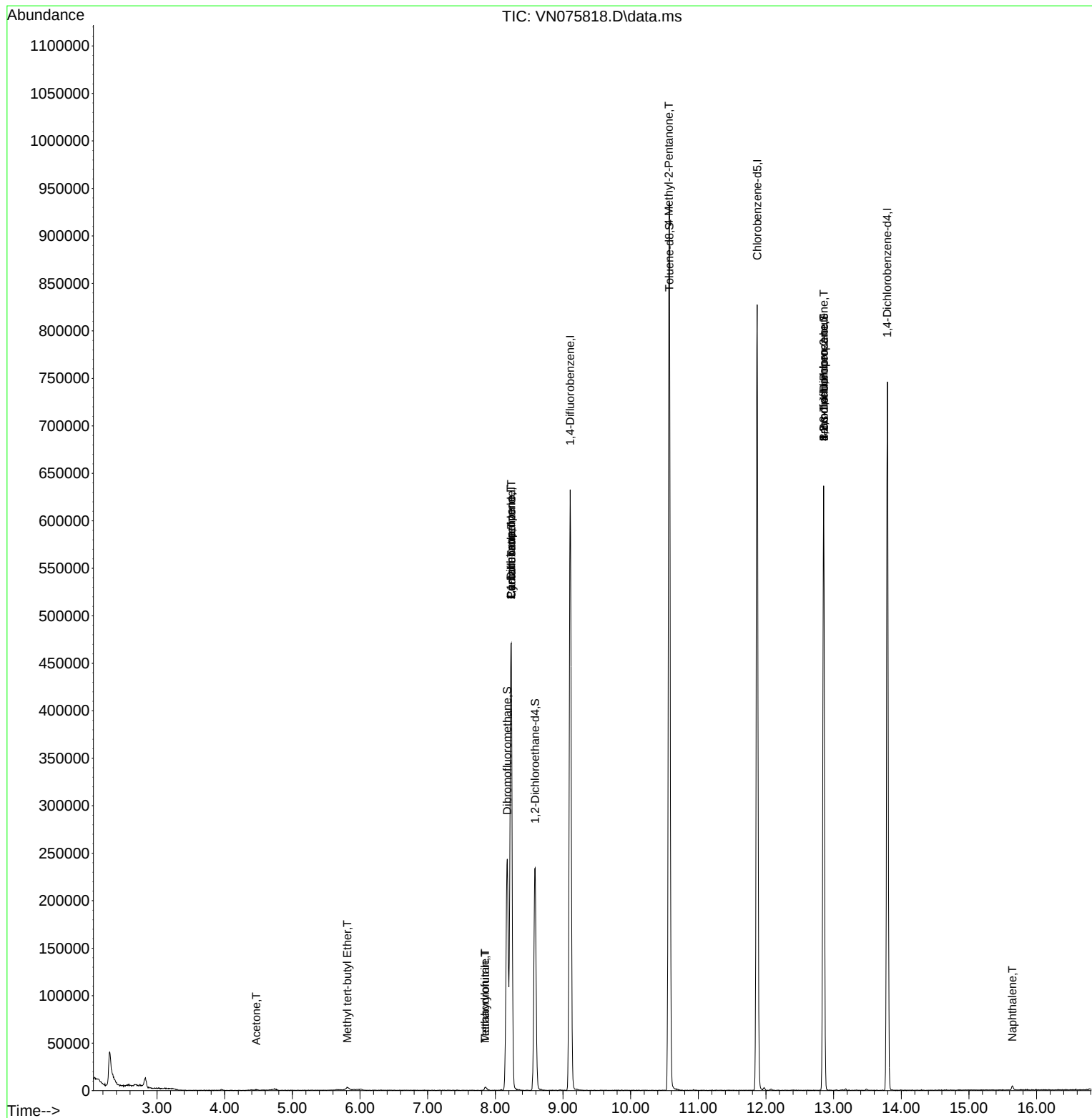
Internal Standards						
1) Pentafluorobenzene	8.235	168	370735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	583323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	501153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	188945	46.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.700%
35) Dibromofluoromethane	8.177	113	172899	47.862	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.720%
50) Toluene-d8	10.571	98	672461	49.788	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.853	95	209691	46.874	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.740%
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	970	0.698	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	5008	0.463	ug/l	100
20) Methylene Chloride	5.306	84	125	Below Cal	#	12
29) Tetrahydrofuran	7.847	42	2341	1.919	ug/l	98
31) Cyclohexane	8.235	56	7193	1.245	ug/l	# 23
36) 1,1-Dichloropropene	8.230	75	26868	5.599	ug/l	# 50
38) Carbon Tetrachloride	8.235	117	36389	6.775	ug/l	# 16
41) Methacrylonitrile	7.847	41	1475	0.736	ug/l	# 39
51) 4-Methyl-2-Pentanone	10.565	43	2489	0.647	ug/l	# 1
71) Bromoform	12.853	173	1675	0.604	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	107140	25.245	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	107140	90.868	ug/l	# 12
95) Naphthalene	15.641	128	5161	2.608	ug/l	# 95

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

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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

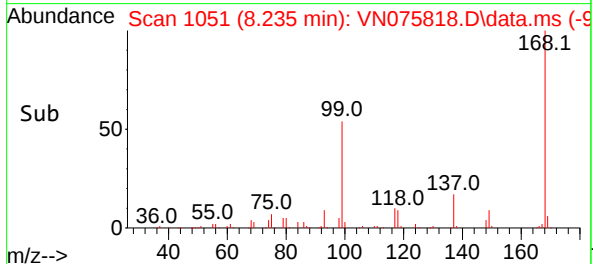
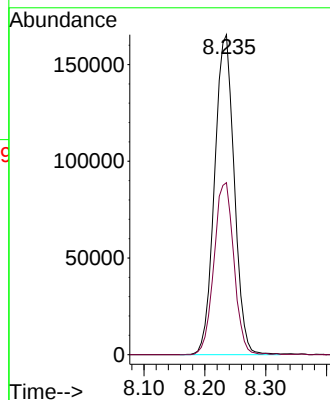
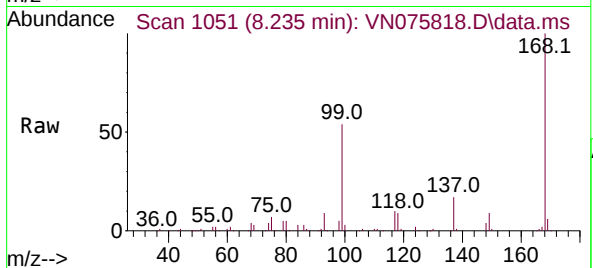




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

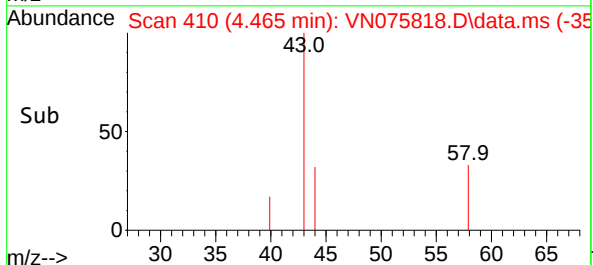
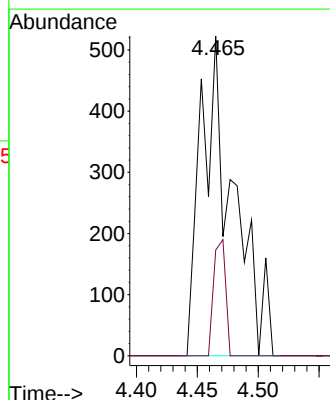
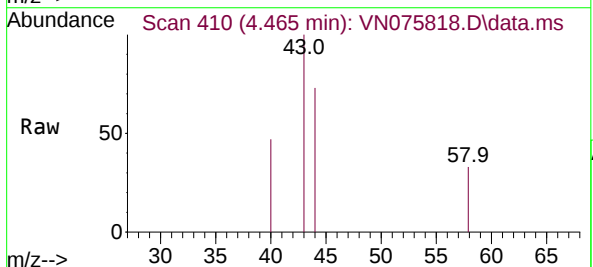
Instrument :
MSVOA_N
ClientSampleId :

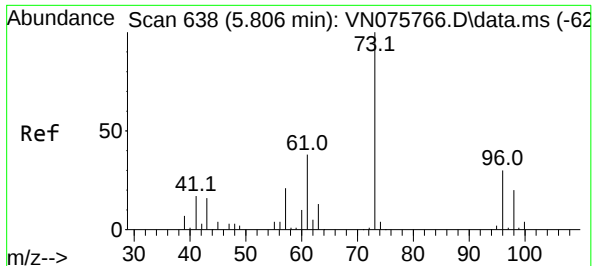
Tgt Ion:168 Resp: 370735
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#16
Acetone
Concen: 0.698 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 33.1 28.6 43.0





#19

Methyl tert-butyl Ether

Concen: 0.463 ug/l

RT: 5.812 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

Instrument :

MSVOA_N

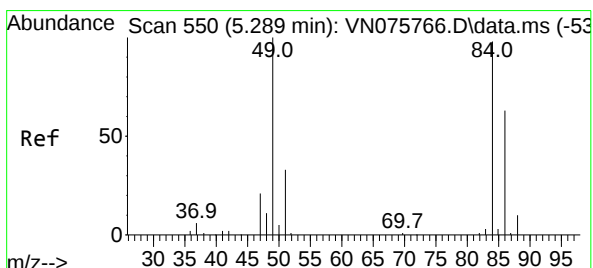
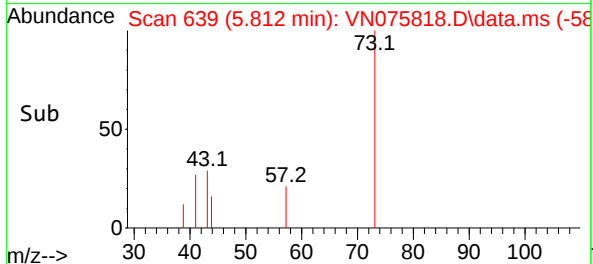
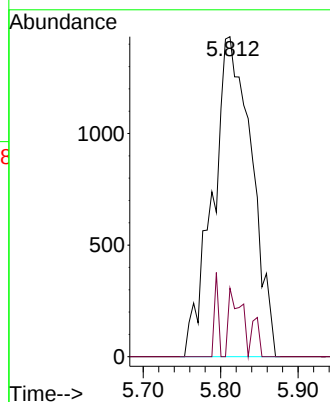
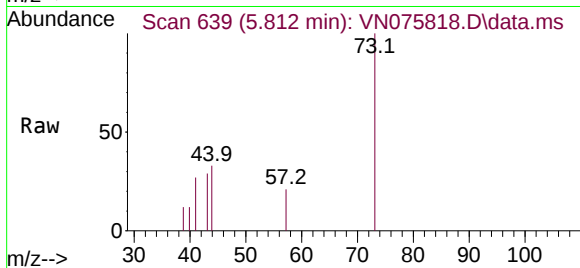
ClientSampleId :

Tgt Ion: 73 Resp: 5008

Ion Ratio Lower Upper

73 100

57 21.4 17.1 25.7



#20

Methylene Chloride

Concen: Below Cal

RT: 5.306 min Scan# 553

Delta R.T. 0.017 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

Tgt Ion: 84 Resp: 125

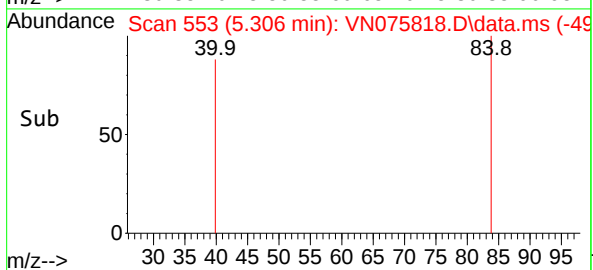
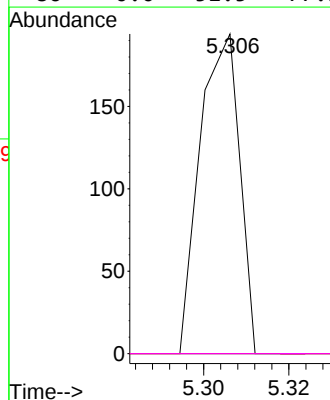
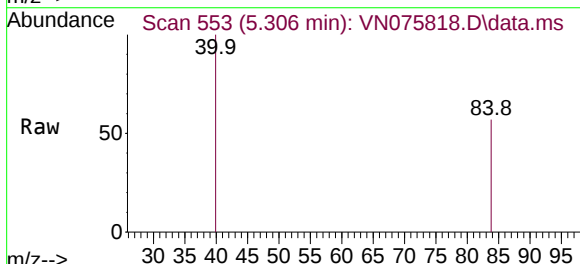
Ion Ratio Lower Upper

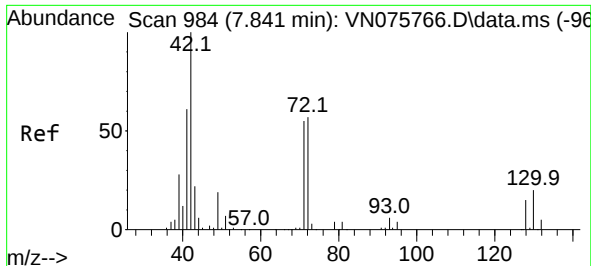
84 100

49 0.0 81.8 122.6#

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#





#29

Tetrahydrofuran

Concen: 1.919 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

Instrument :

MSVOA_N

ClientSampleId :

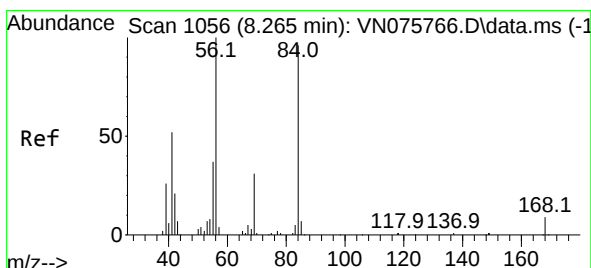
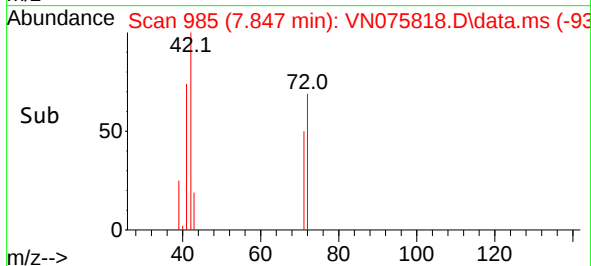
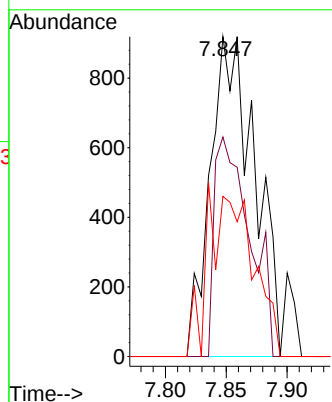
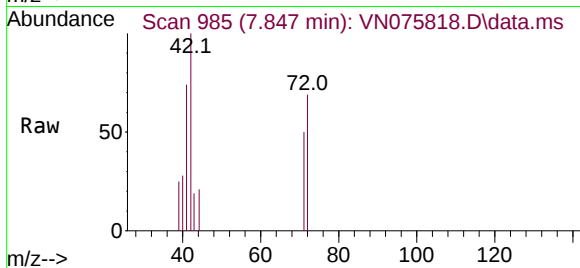
Tgt Ion: 42 Resp: 2341

Ion Ratio Lower Upper

42 100

72 54.3 44.5 66.7

71 52.7 41.0 61.6



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

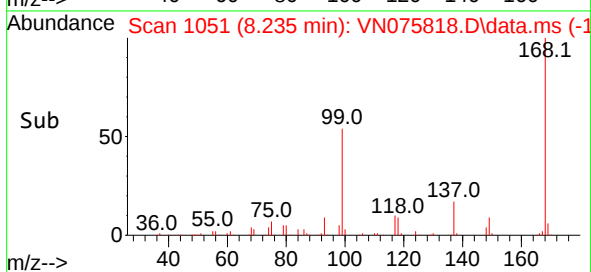
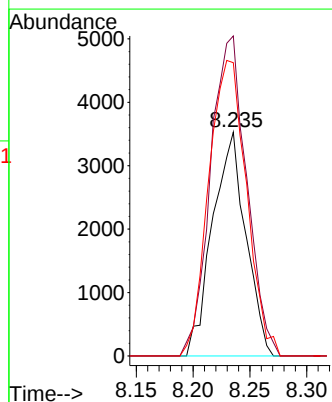
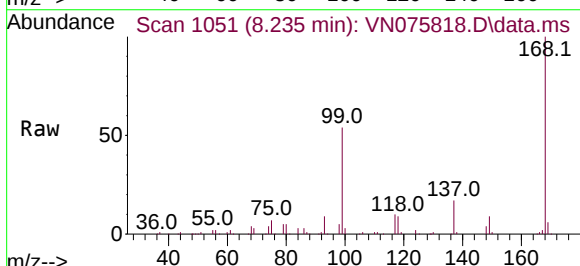
Tgt Ion: 56 Resp: 7193

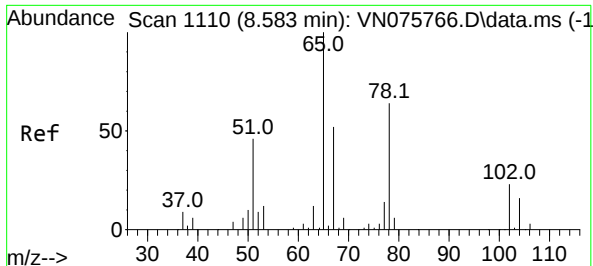
Ion Ratio Lower Upper

56 100

69 143.0 24.7 37.1#

84 131.1 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.847 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

Instrument :

MSVOA_N

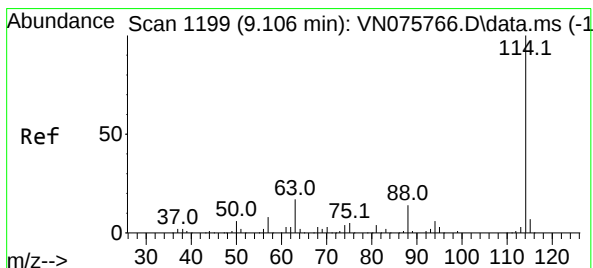
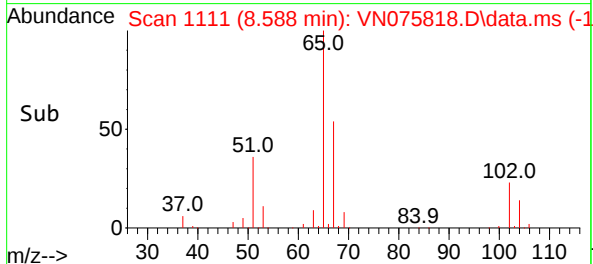
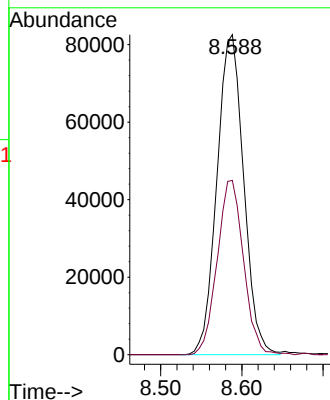
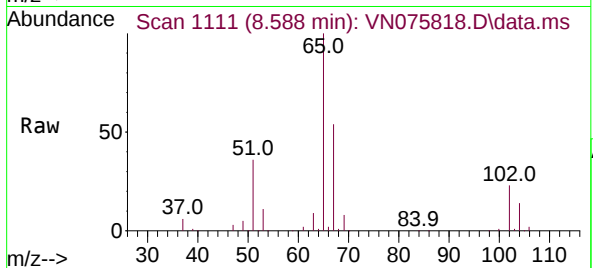
ClientSampleId :

Tgt Ion: 65 Resp: 188945

Ion Ratio Lower Upper

65 100

67 53.7 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: VN075818.D

Acq: 15 Dec 2022 15:23

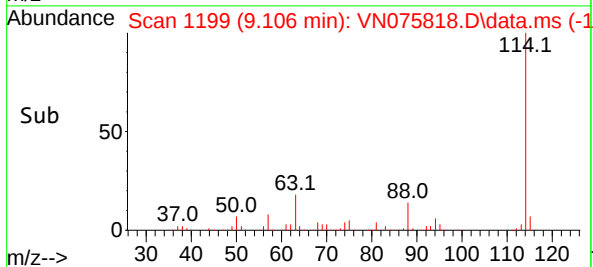
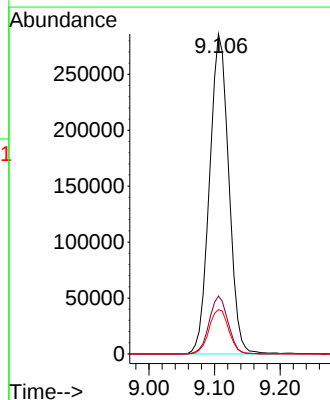
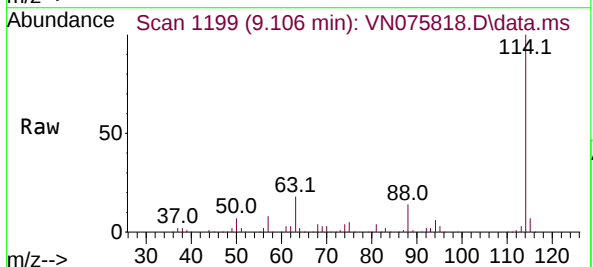
Tgt Ion: 114 Resp: 583323

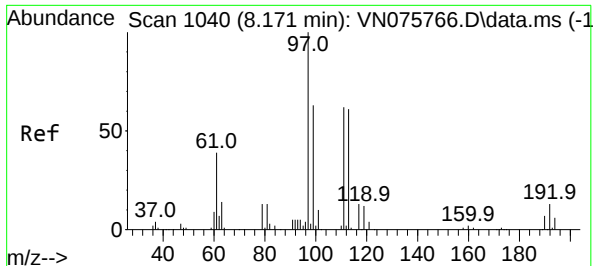
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 13.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.862 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

Instrument :

MSVOA_N

ClientSampleId :

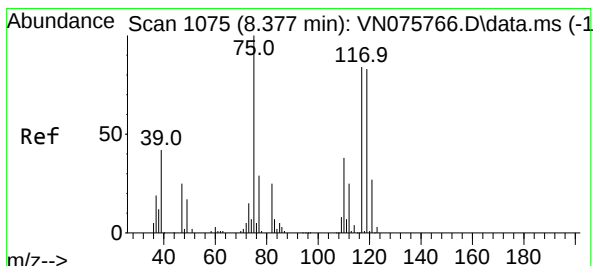
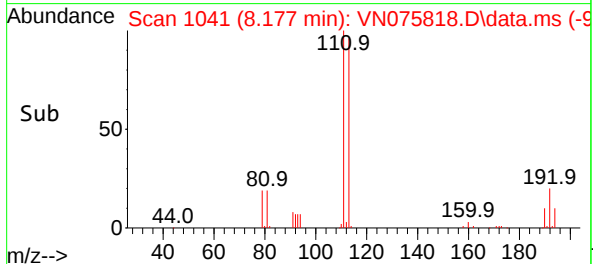
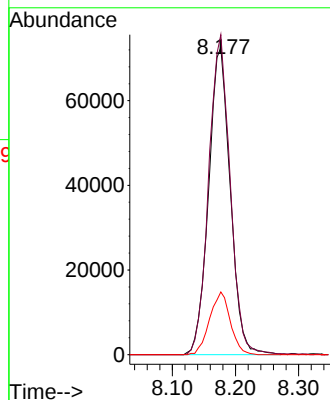
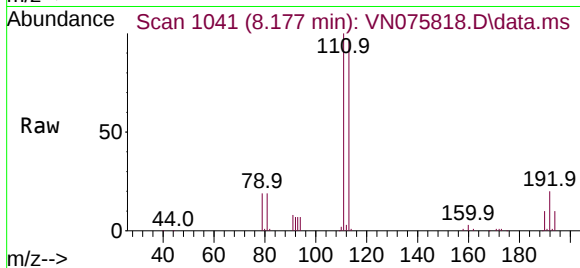
Tgt Ion:113 Resp: 172899

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 19.5 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.599 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075818.D

Acq: 15 Dec 2022 15:23

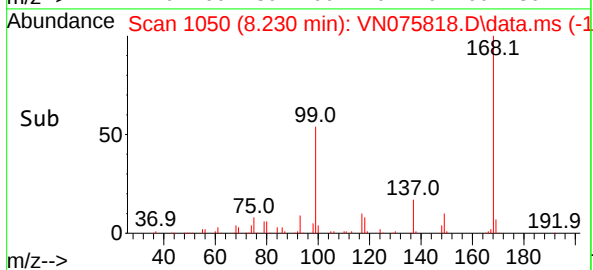
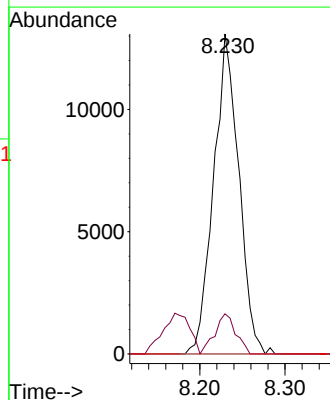
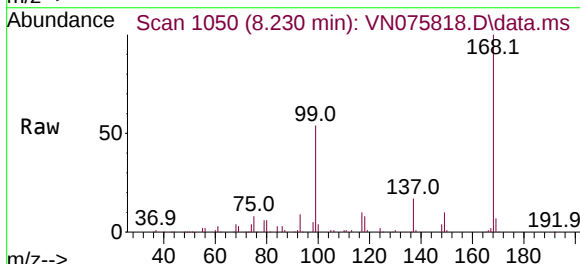
Tgt Ion: 75 Resp: 26868

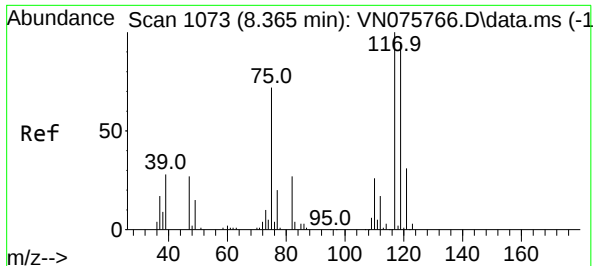
Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.4#

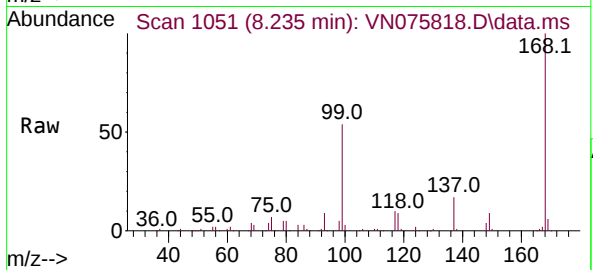
77 0.0 24.1 36.1#



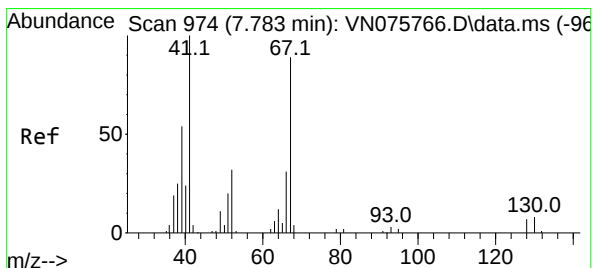
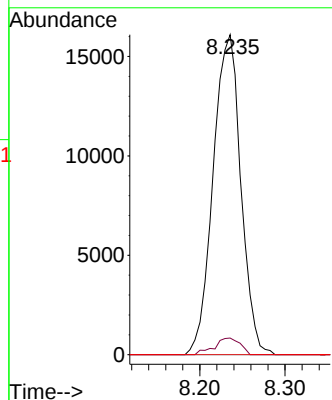
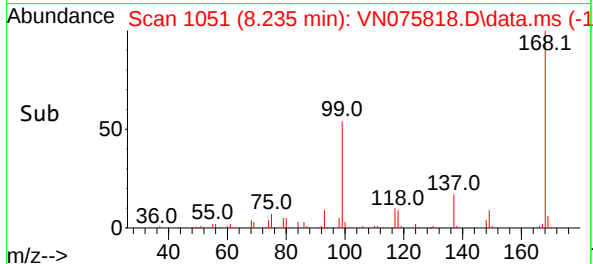


#38
Carbon Tetrachloride
Concen: 6.775 ug/l
RT: 8.235 min Scan# 1073
Delta R.T. -0.129 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Instrument :
MSVOA_N
ClientSampleId :

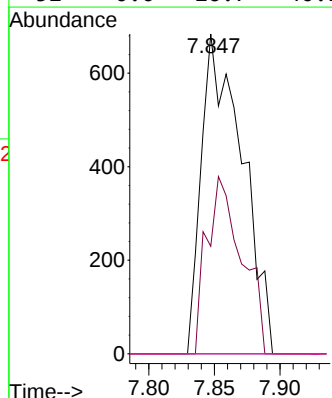
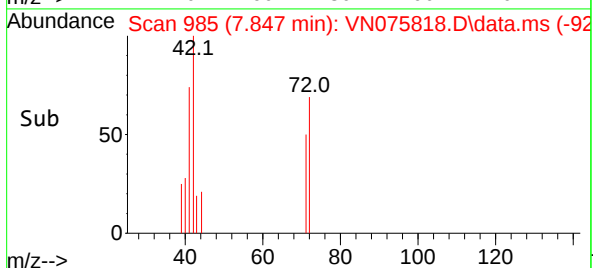
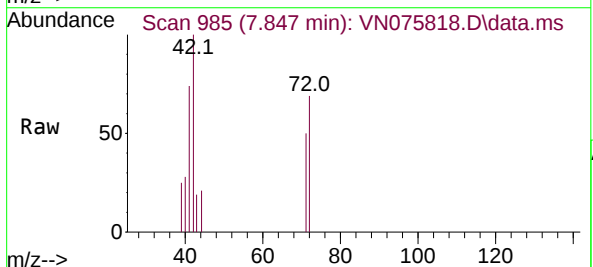


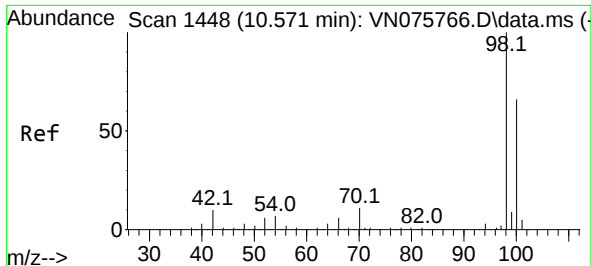
Tgt Ion:117 Resp: 36389
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.736 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.065 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Tgt Ion: 41 Resp: 1475
Ion Ratio Lower Upper
41 100
39 48.0 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#

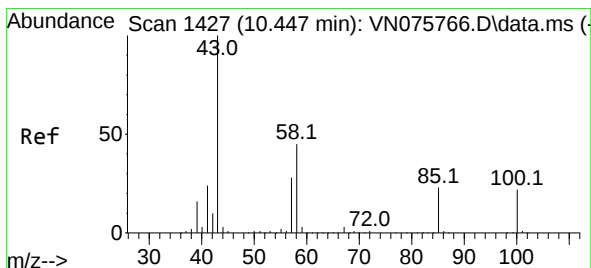
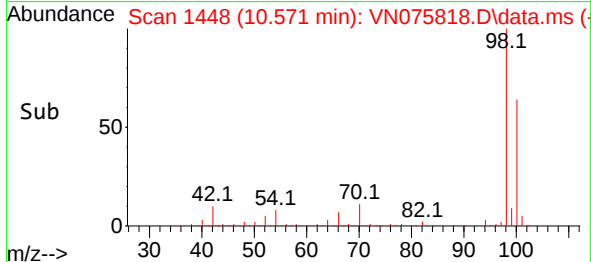
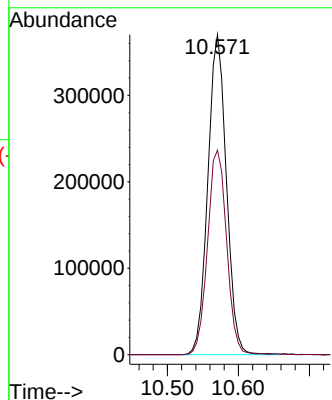
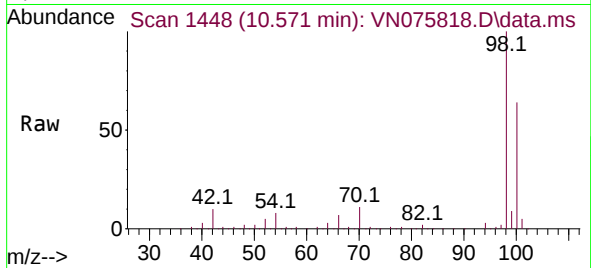




#50
Toluene-d8
Concen: 49.788 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

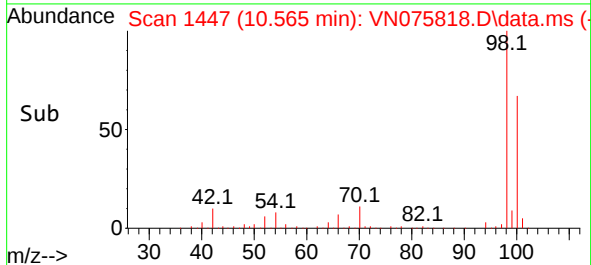
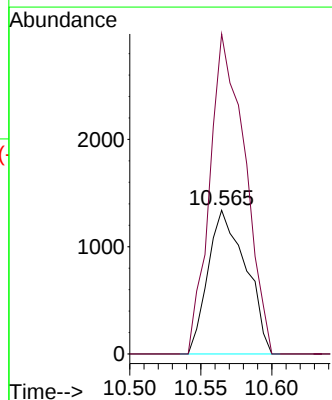
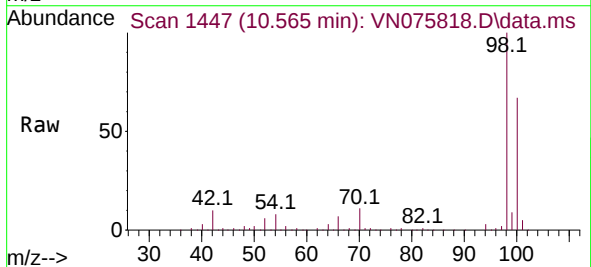
Instrument :
MSVOA_N
ClientSampleId :

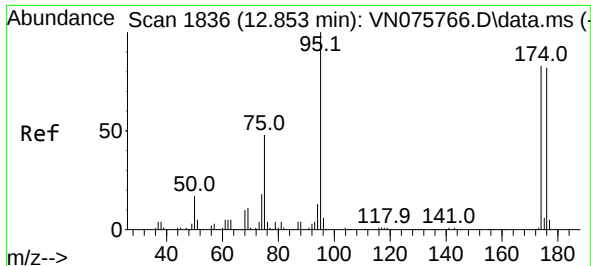
Tgt Ion: 98 Resp: 672461
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.647 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
58 207.0 35.5 53.3#

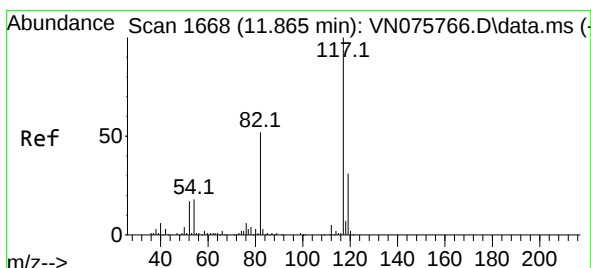
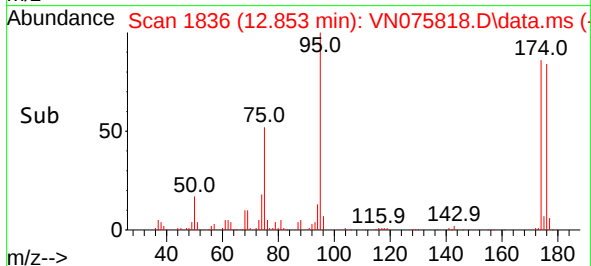
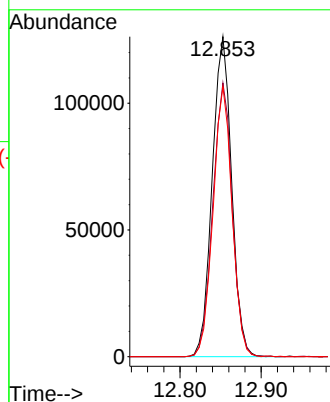
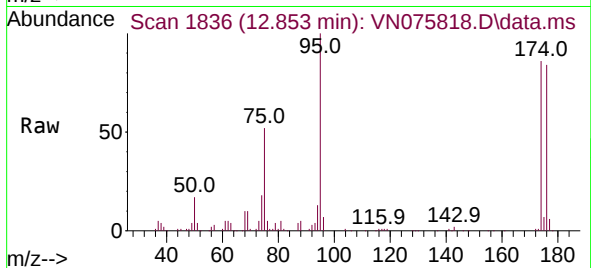




#62
4-Bromofluorobenzene
Concen: 46.874 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

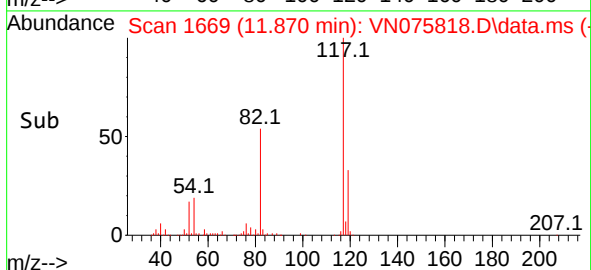
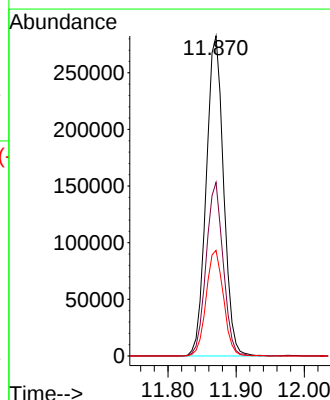
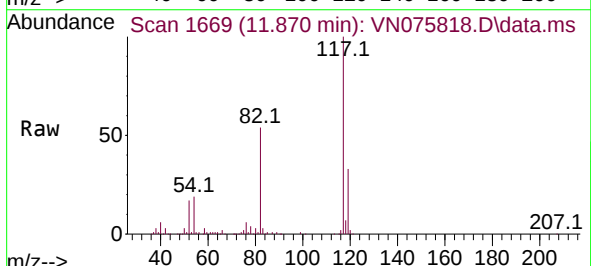
Instrument :
MSVOA_N
ClientSampleId :

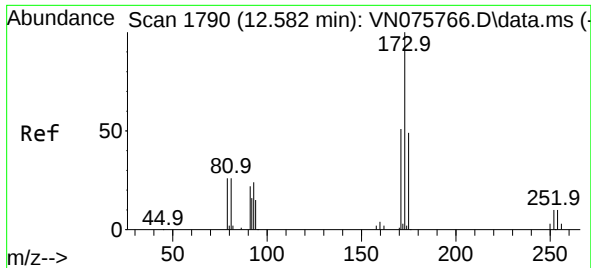
Tgt Ion: 95 Resp: 209691
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.6
176 82.9 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Tgt Ion: 117 Resp: 501153
Ion Ratio Lower Upper
117 100
82 54.3 41.3 61.9
119 33.0 24.6 37.0

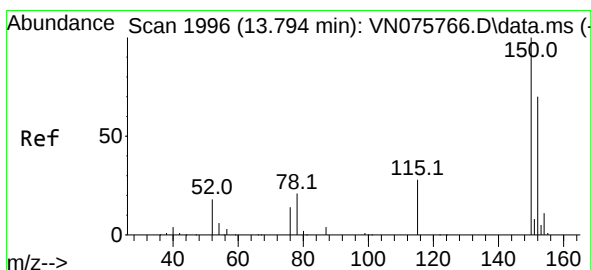
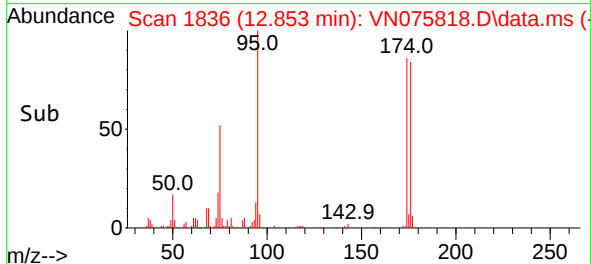
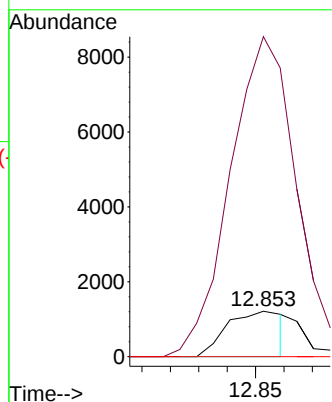
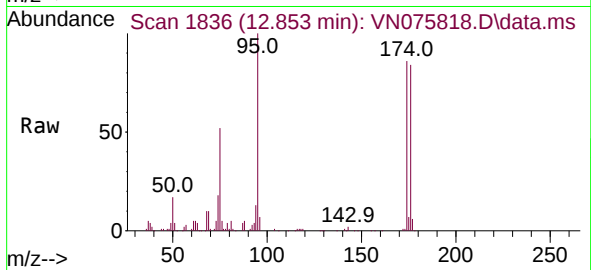




#71
Bromoform
Concen: 0.604 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

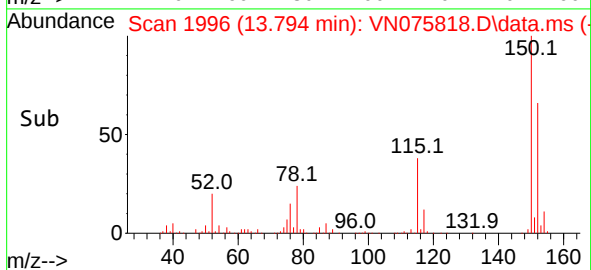
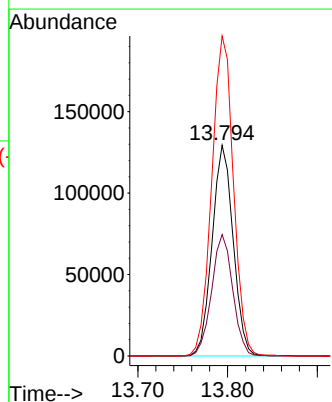
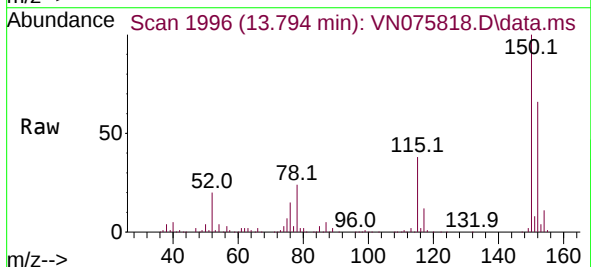
Instrument :
MSVOA_N
ClientSampleId :

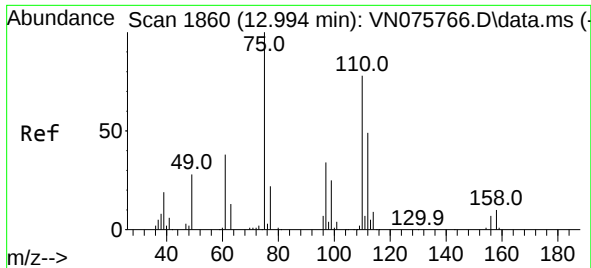
Tgt Ion:173 Resp: 1675
Ion Ratio Lower Upper
173 100
175 664.8 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Tgt Ion:152 Resp: 210545
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 156.5 0.0 347.0

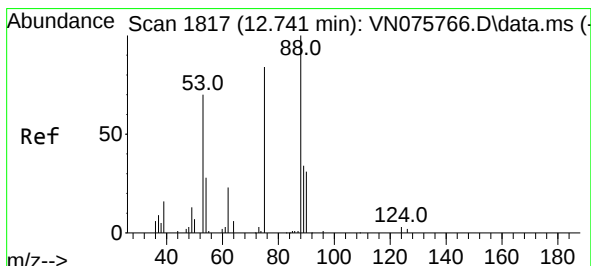
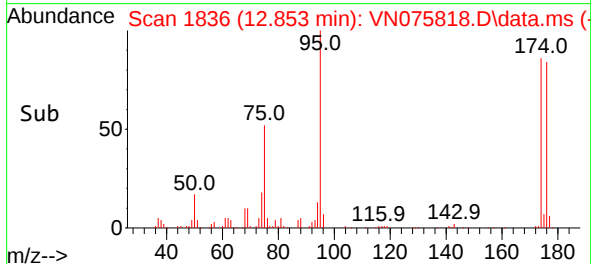
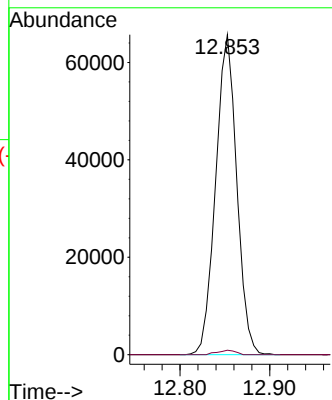
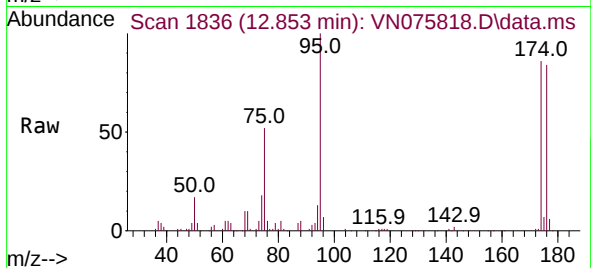




#76
1,2,3-Trichloropropane
Concen: 25.245 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

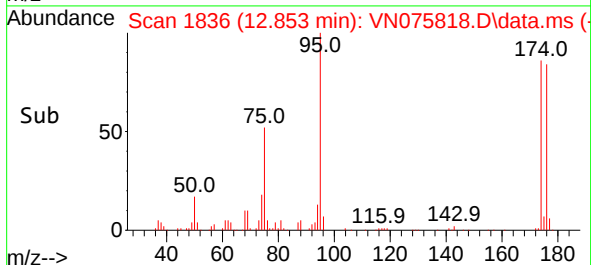
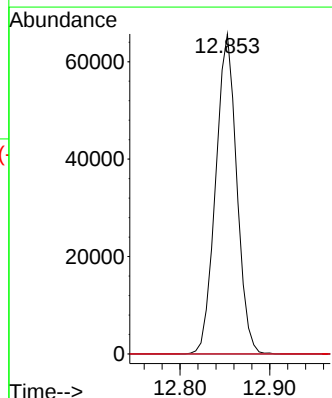
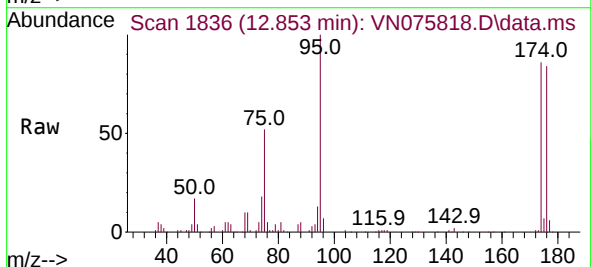
Instrument :
MSVOA_N
ClientSampleId :

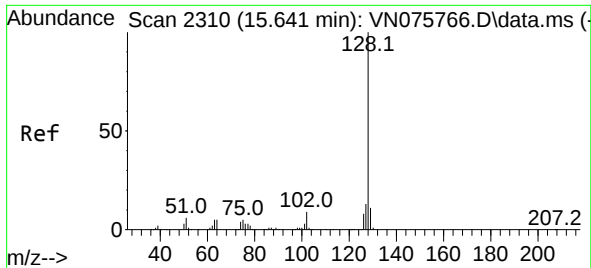
Tgt Ion: 75 Resp: 107140
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.868 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

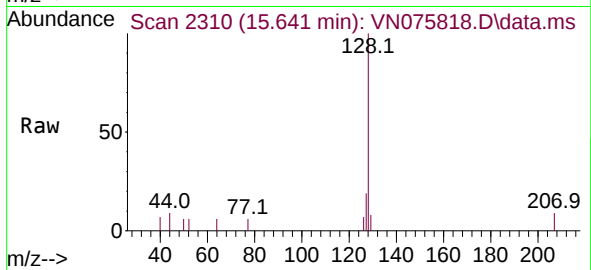
Tgt Ion: 75 Resp: 107140
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.608 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075818.D
Acq: 15 Dec 2022 15:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	7.6	8.7	13.1#

