

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075826.D
 Acq On : 15 Dec 2022 18:35
 Operator : JC\MD
 Sample : N6066-07 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 03:12:19 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)

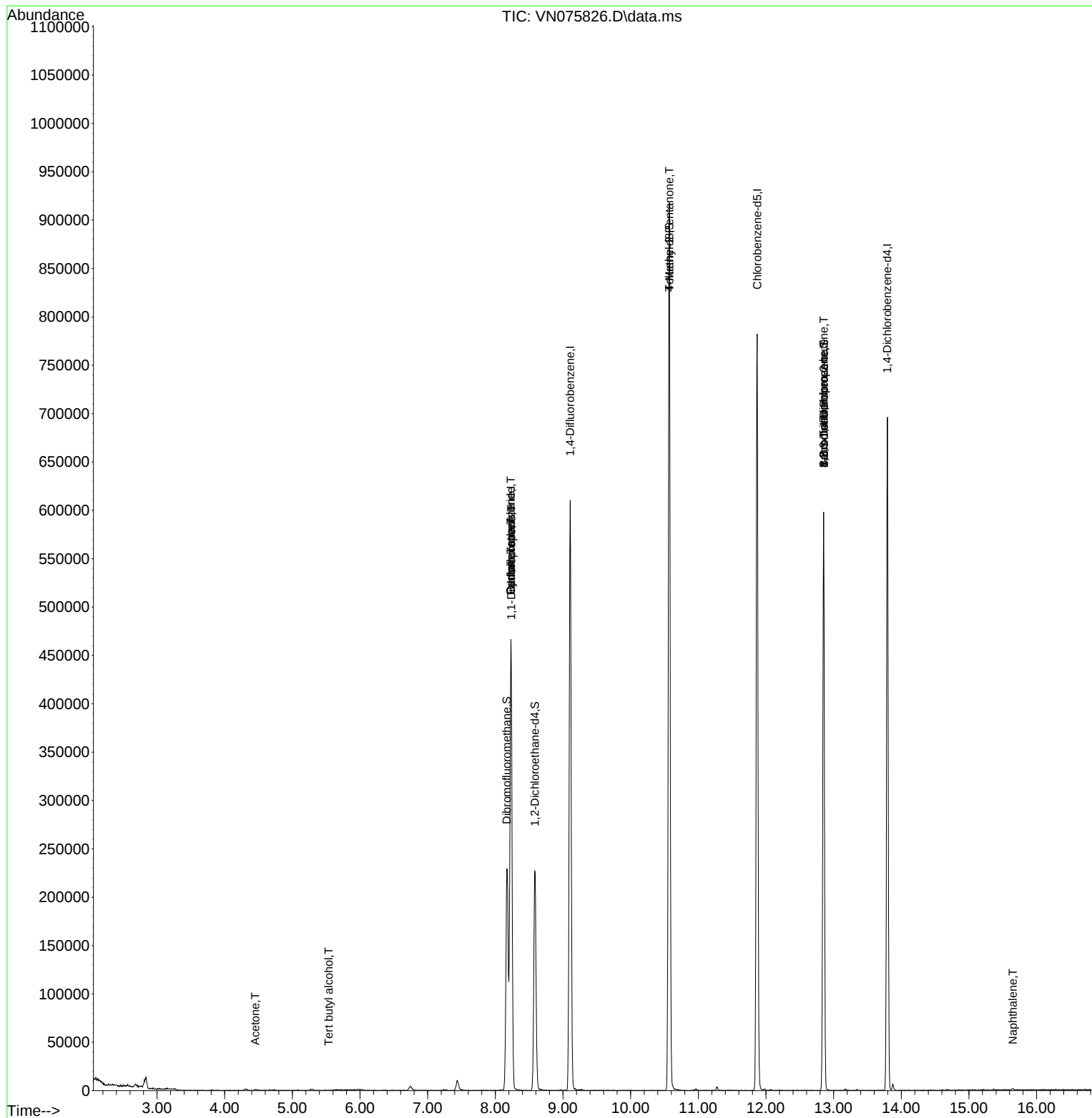
Internal Standards						
1) Pentafluorobenzene	8.230	168	363419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	560186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	481122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	187470	47.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.840%
35) Dibromofluoromethane	8.171	113	168067	48.446	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.900%
50) Toluene-d8	10.571	98	651066	50.195	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.380%
62) 4-Bromofluorobenzene	12.853	95	197247	45.913	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	115	0.206	ug/l #	72
16) Acetone	4.453	43	550	0.404	ug/l #	60
20) Methylene Chloride	5.283	84	392	Below Cal	#	41
31) Cyclohexane	8.230	56	7096	1.253	ug/l #	19
36) 1,1-Dichloropropene	8.236	75	25788	5.596	ug/l #	49
38) Carbon Tetrachloride	8.230	117	34950	6.776	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	2429	0.658	ug/l #	1
71) Bromoform	12.853	173	1576	0.592	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	100832	25.983	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100832	93.527	ug/l #	12
95) Naphthalene	15.647	128	2382	2.395	ug/l #	77

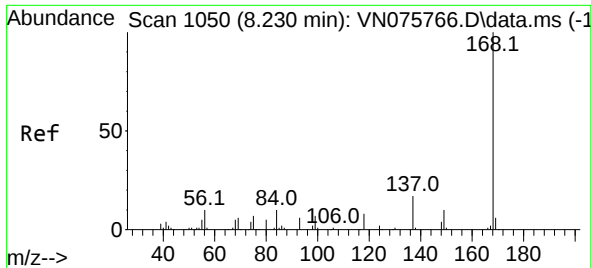
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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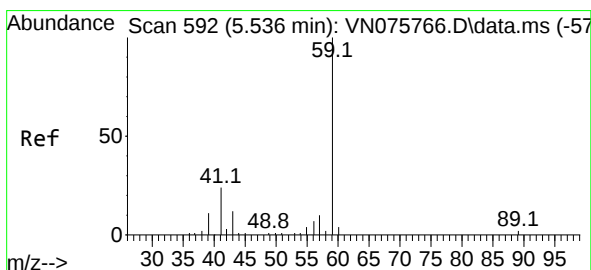
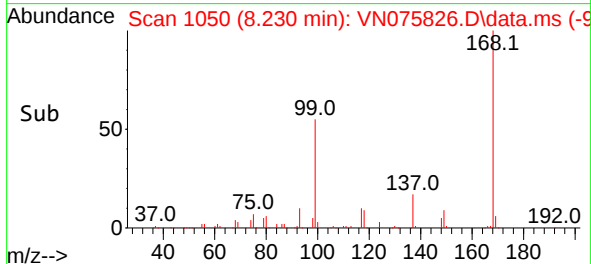
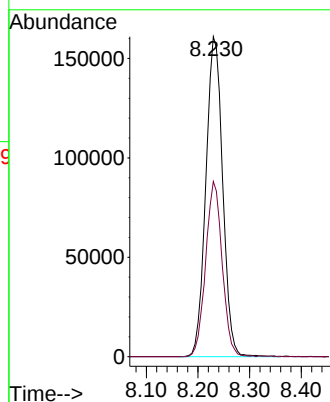
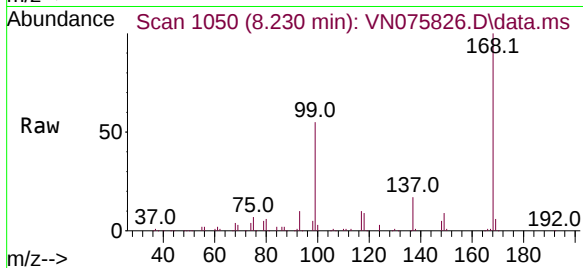




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

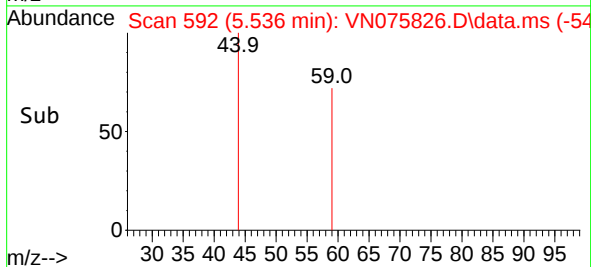
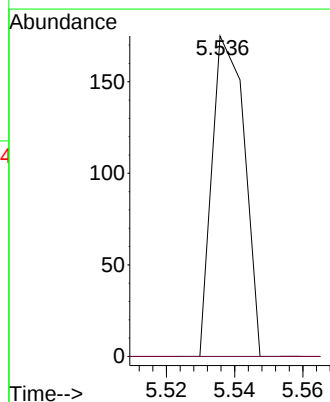
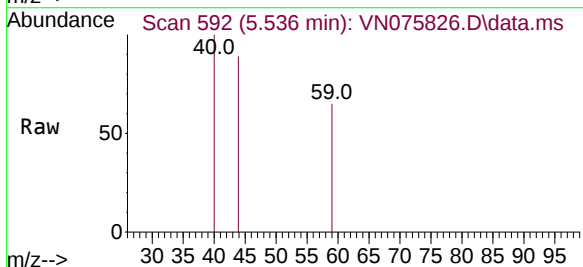
Instrument :
MSVOA_N
ClientSampleId :

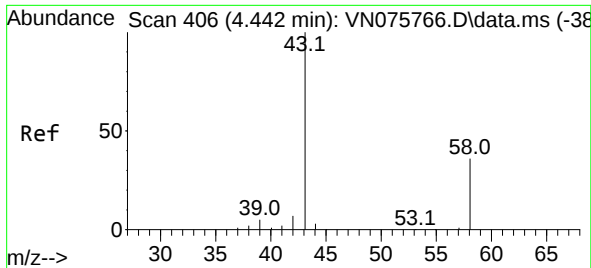
Tgt Ion:168 Resp: 363419
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.404 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN075826.D

Acq: 15 Dec 2022 18:35

Instrument :

MSVOA_N

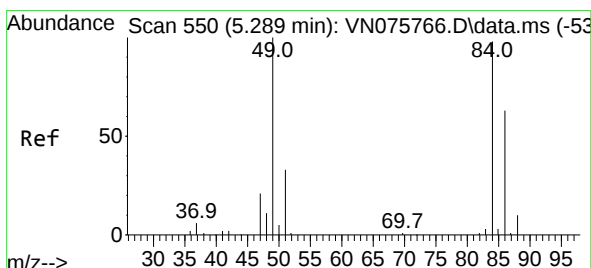
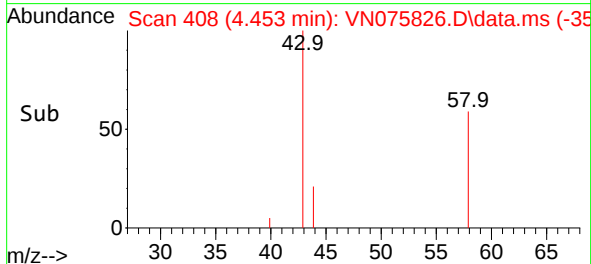
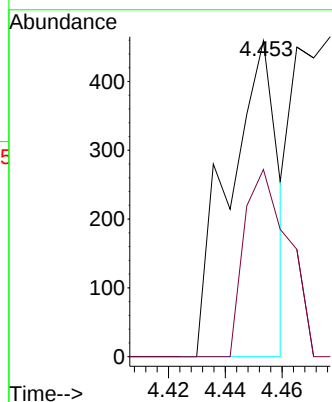
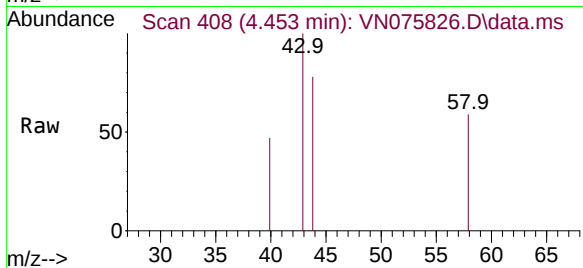
ClientSampleId :

Tgt Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

58 59.3 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN075826.D

Acq: 15 Dec 2022 18:35

Tgt Ion: 84 Resp: 392

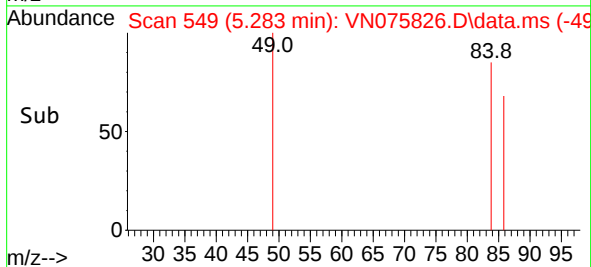
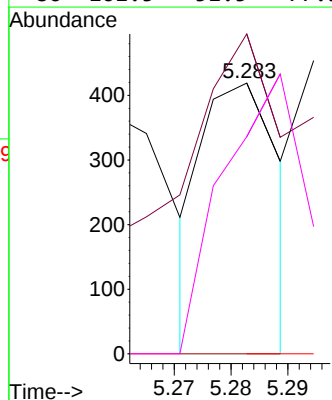
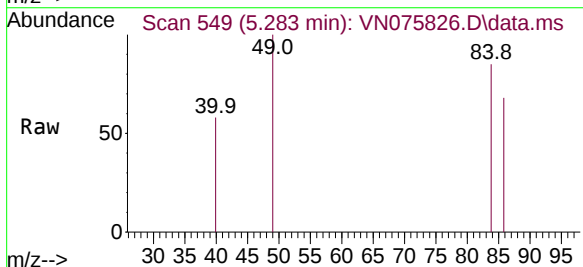
Ion Ratio Lower Upper

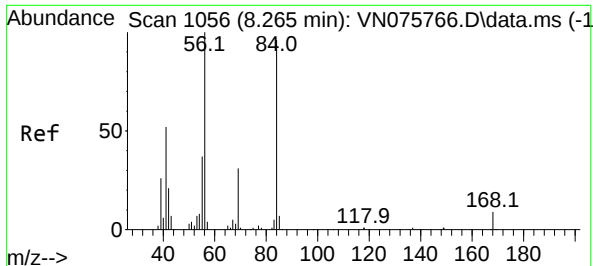
84 100

49 119.7 81.8 122.6

51 0.0 26.7 40.1#

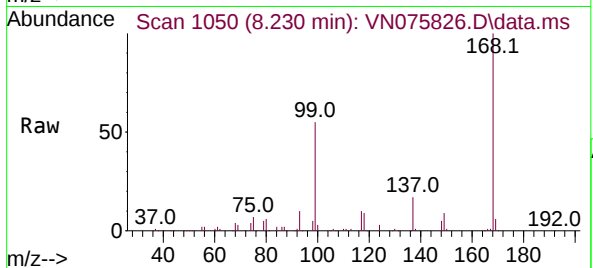
86 161.5 51.5 77.3#



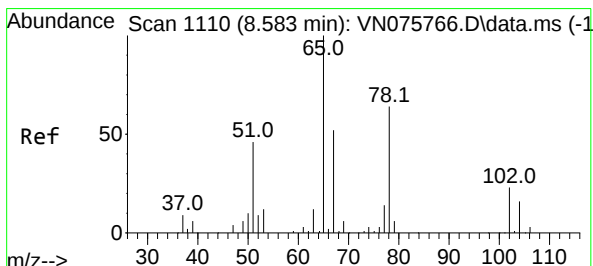
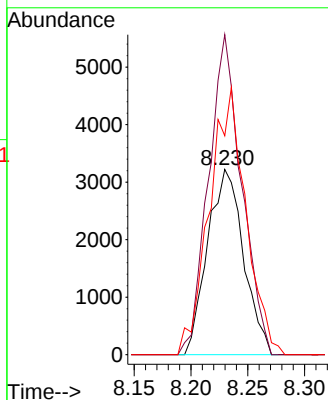
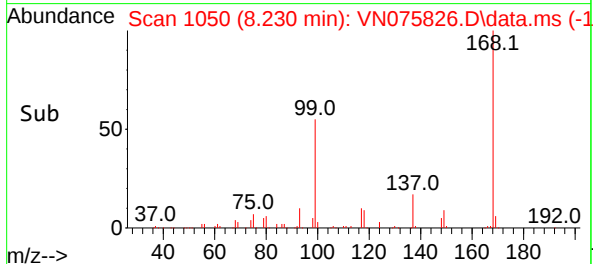


#31
Cyclohexane
Concen: 1.253 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

Instrument :
MSVOA_N
ClientSampleId :

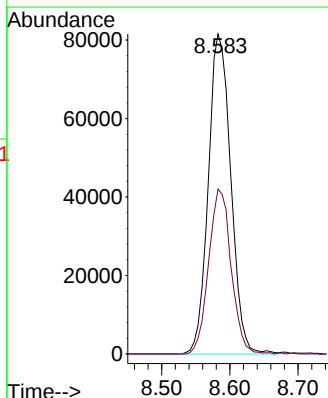
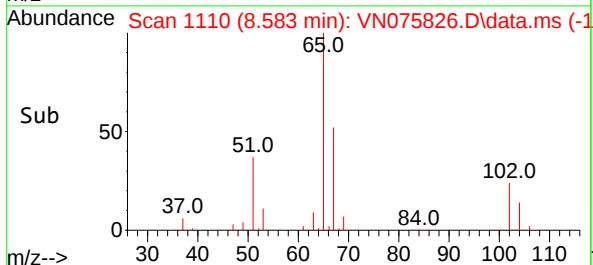
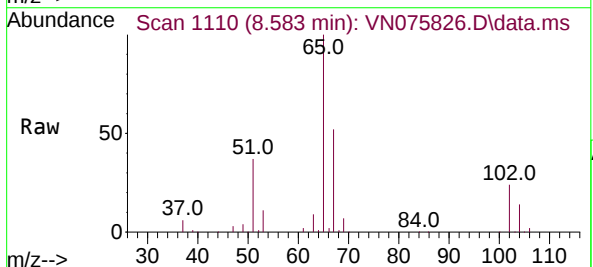


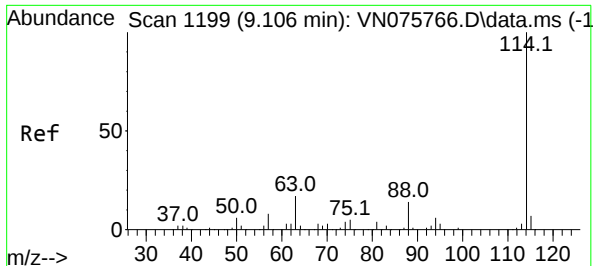
Tgt Ion: 56 Resp: 7096
Ion Ratio Lower Upper
56 100
69 172.8 24.7 37.1#
84 118.2 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 47.417 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

Tgt Ion: 65 Resp: 187470
Ion Ratio Lower Upper
65 100
67 51.4 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: VN075826.D

Acq: 15 Dec 2022 18:35

Instrument :

MSVOA_N

ClientSampleId :

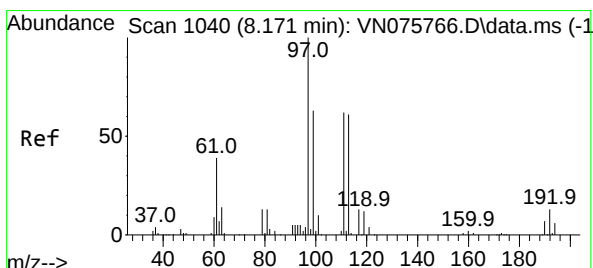
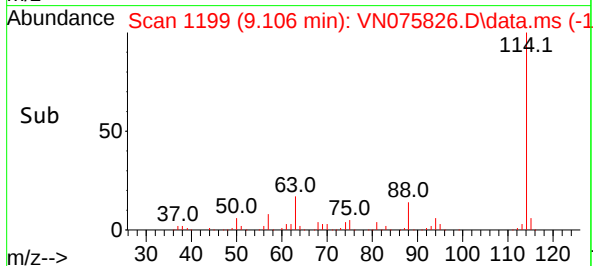
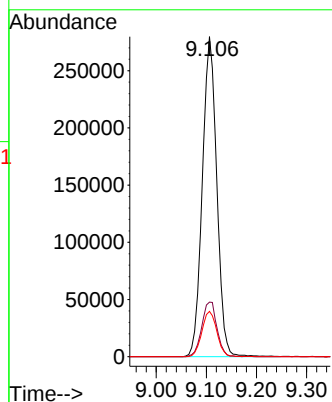
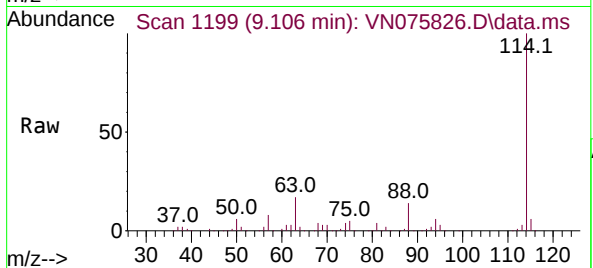
Tgt Ion:114 Resp: 560186

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.4

88 14.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.446 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075826.D

Acq: 15 Dec 2022 18:35

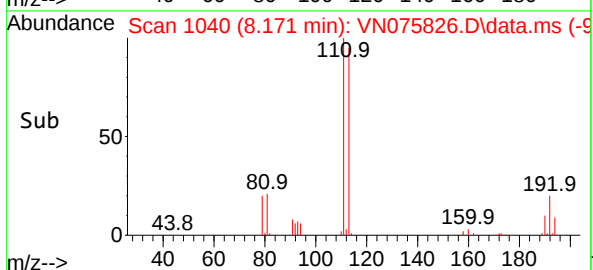
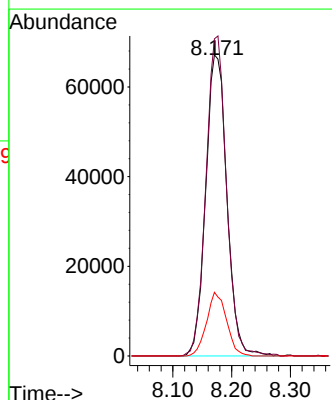
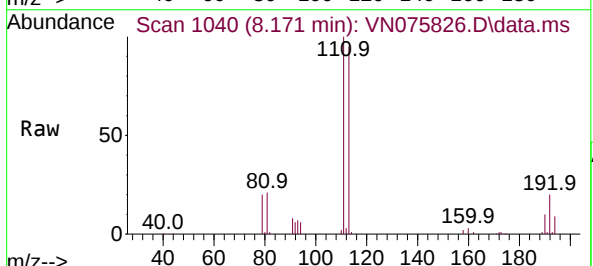
Tgt Ion:113 Resp: 168067

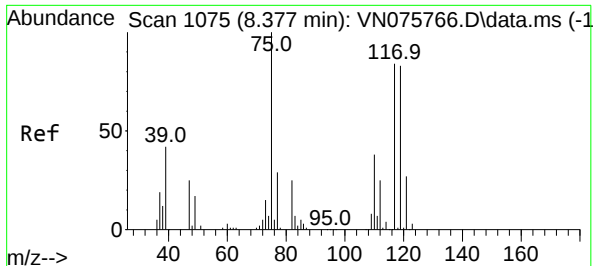
Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 19.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.596 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN075826.D

Acq: 15 Dec 2022 18:35

Instrument :

MSVOA_N

ClientSampleId :

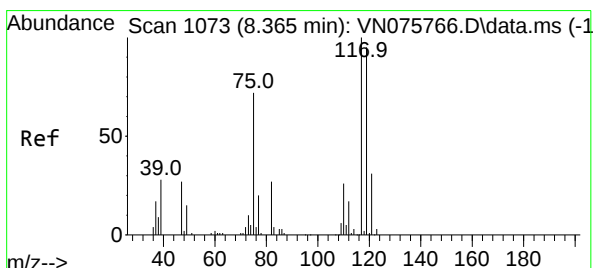
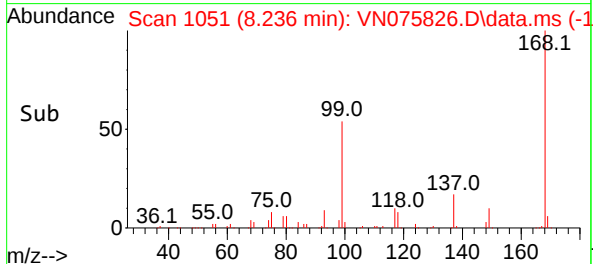
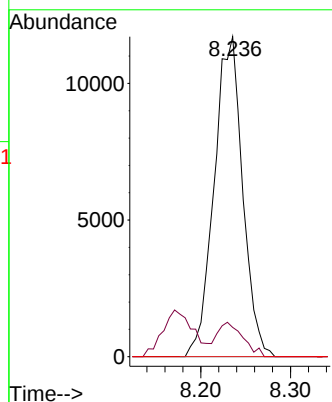
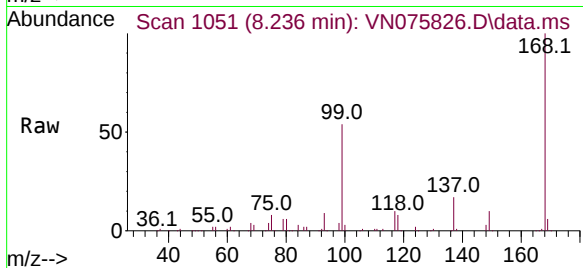
Tgt Ion: 75 Resp: 25788

Ion Ratio Lower Upper

75 100

110 9.4 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.776 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075826.D

Acq: 15 Dec 2022 18:35

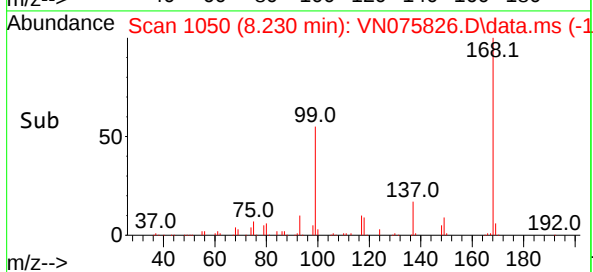
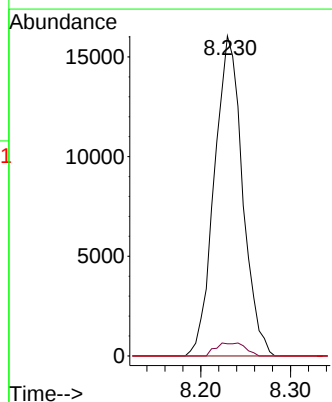
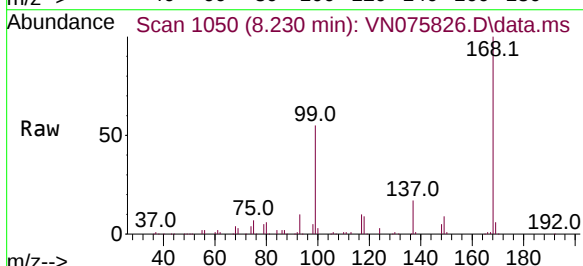
Tgt Ion: 117 Resp: 34950

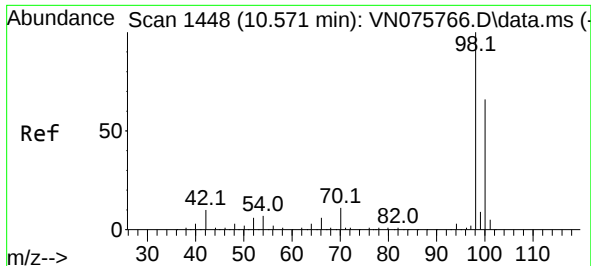
Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

121 0.0 24.5 36.7#

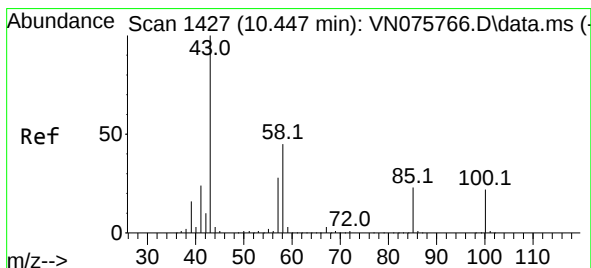
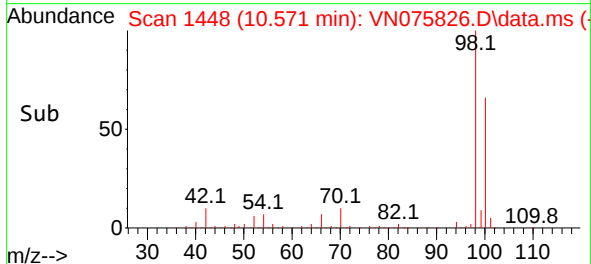
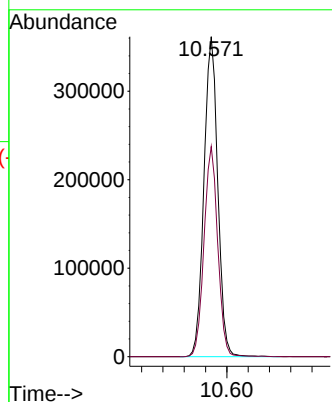
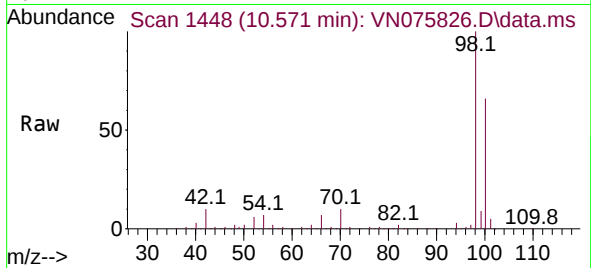




#50
Toluene-d8
Concen: 50.195 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

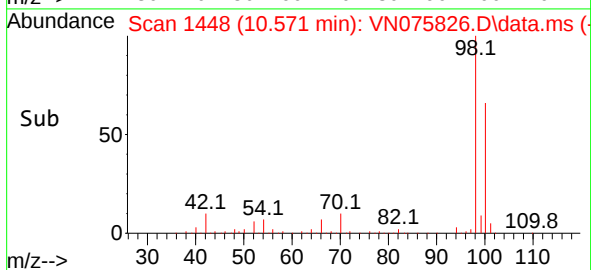
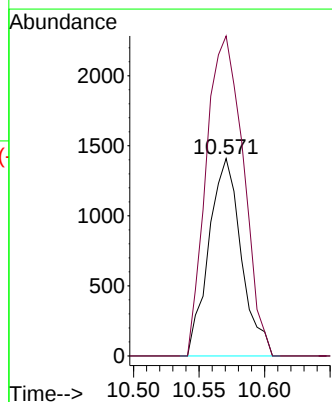
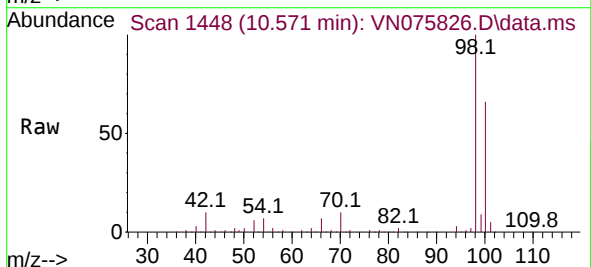
Instrument :
MSVOA_N
ClientSampleId :

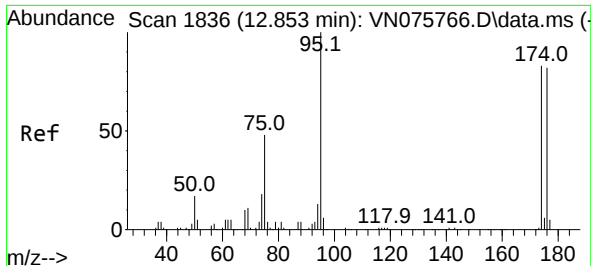
Tgt Ion: 98 Resp: 651066
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.658 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
58 185.1 35.5 53.3#





#62

4-Bromofluorobenzene

Concen: 45.913 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN075826.D

Acq: 15 Dec 2022 18:35

Instrument :

MSVOA_N

ClientSampleId :

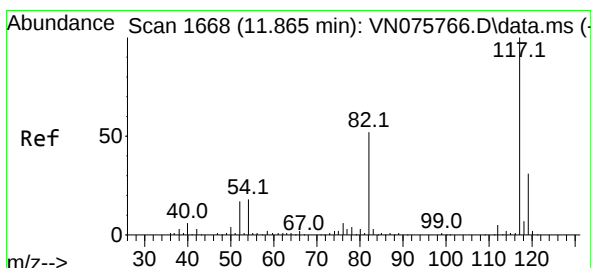
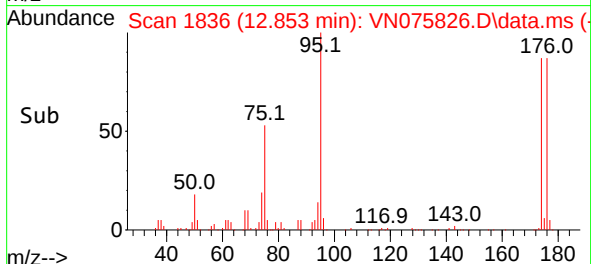
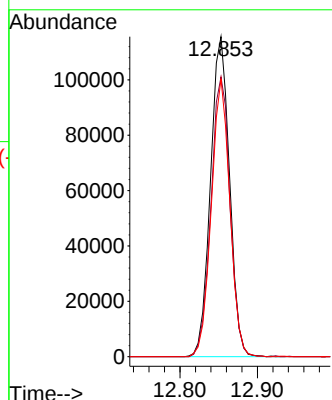
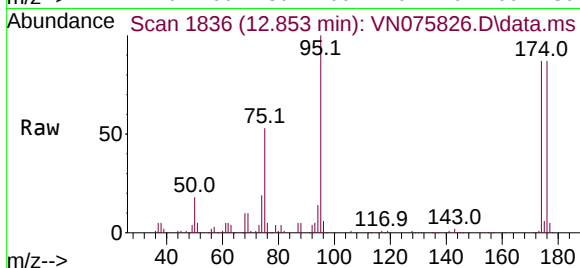
Tgt Ion: 95 Resp: 197247

Ion Ratio Lower Upper

95 100

174 87.7 0.0 171.6

176 84.3 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: VN075826.D

Acq: 15 Dec 2022 18:35

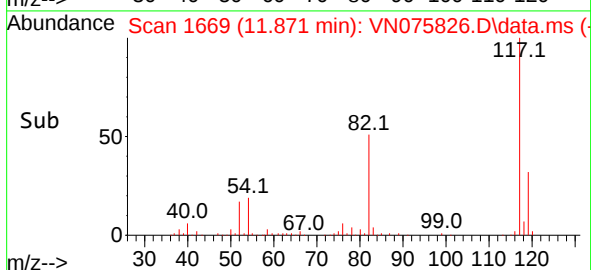
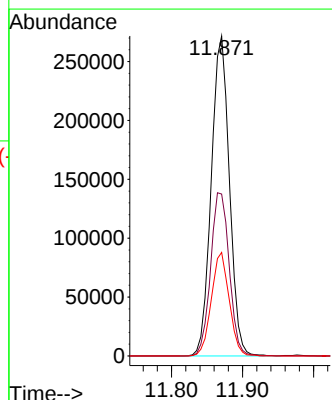
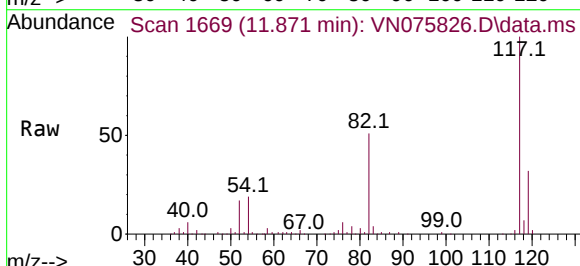
Tgt Ion: 117 Resp: 481122

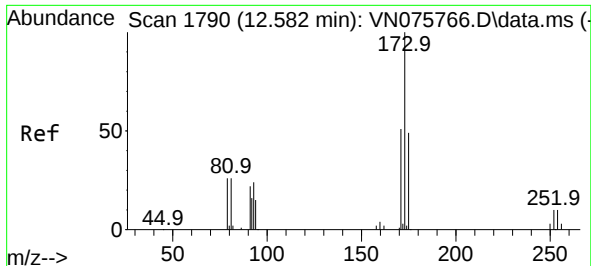
Ion Ratio Lower Upper

117 100

82 50.6 41.3 61.9

119 32.3 24.6 37.0

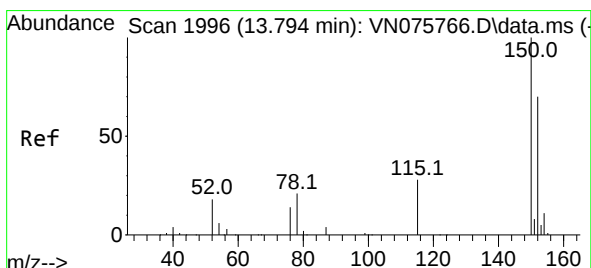
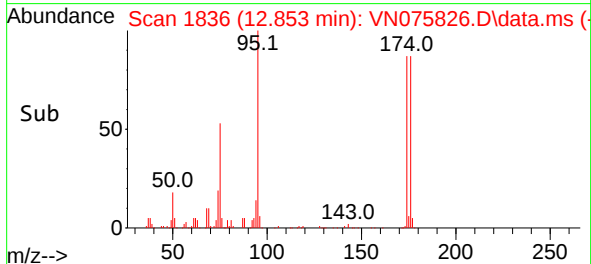
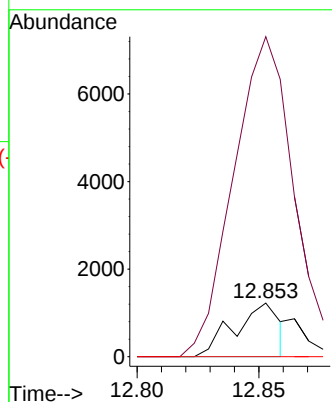
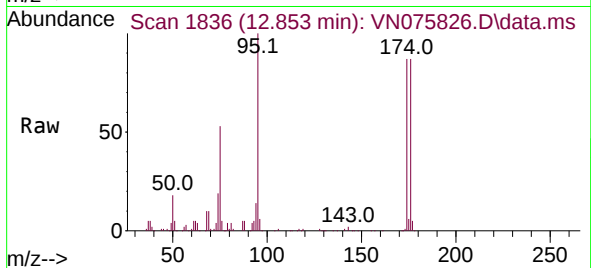




#71
Bromoform
Concen: 0.592 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

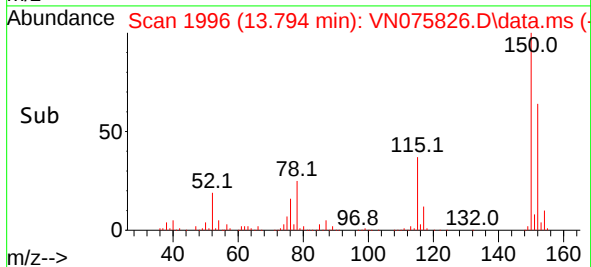
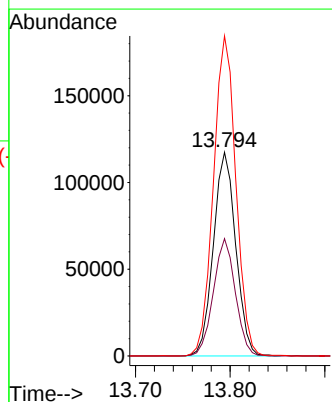
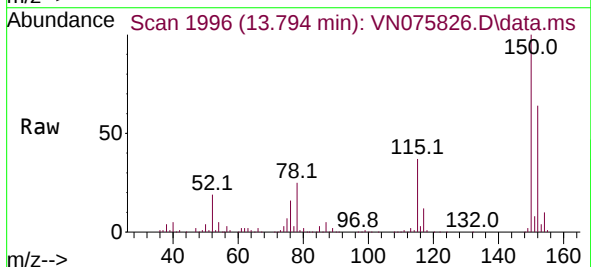
Instrument :
MSVOA_N
ClientSampleId :

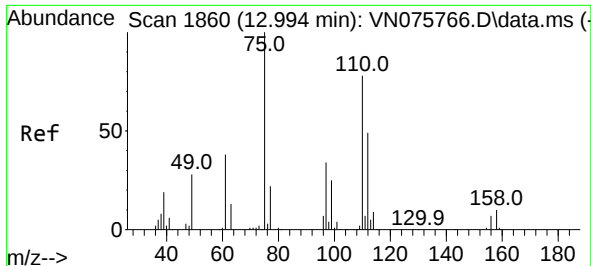
Tgt Ion:173 Resp: 1576
Ion Ratio Lower Upper
173 100
175 645.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

Tgt Ion:152 Resp: 192516
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.4
150 157.7 0.0 347.0

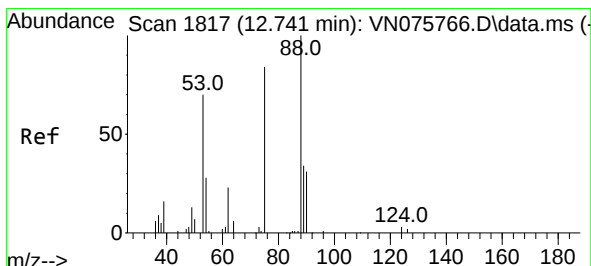
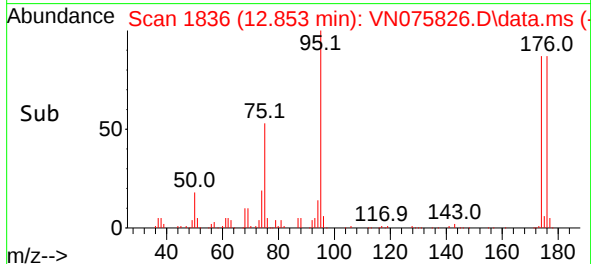
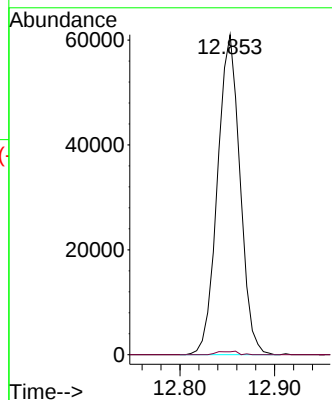
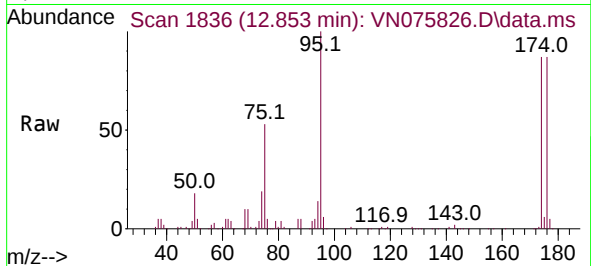




#76
1,2,3-Trichloropropane
Concen: 25.983 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

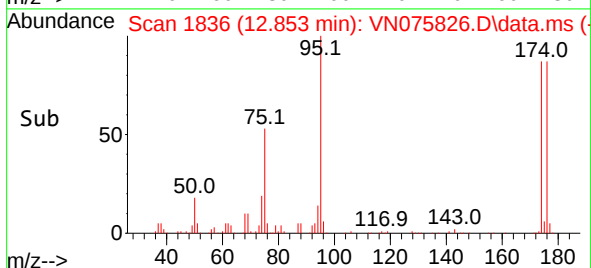
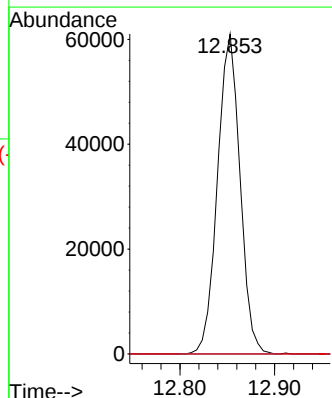
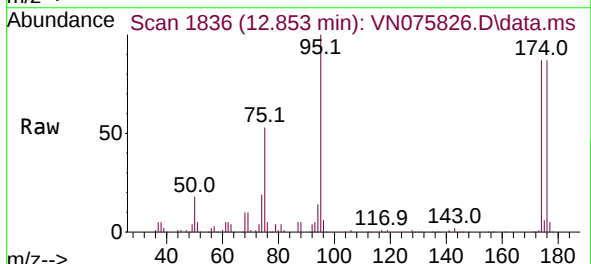
Instrument :
MSVOA_N
ClientSampleId :

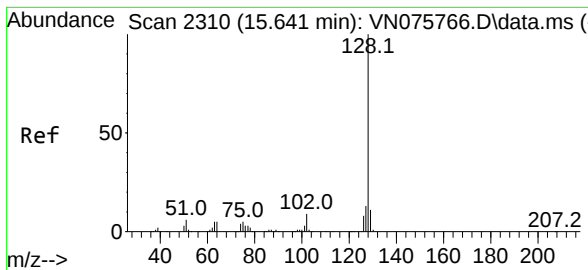
Tgt Ion: 75 Resp: 100832
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.527 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

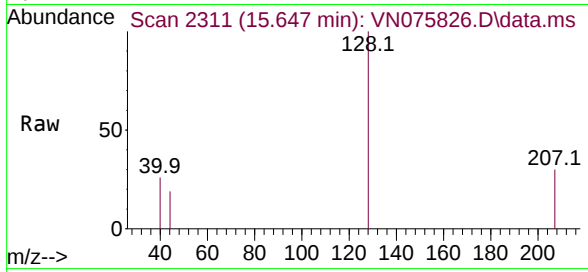
Tgt Ion: 75 Resp: 100832
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.395 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075826.D
Acq: 15 Dec 2022 18:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2382
Ion	Ratio	Lower	Upper
128	100		
127	2.9	10.4	15.6#
129	2.9	8.7	13.1#

