

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756696.D
 Acq On : 10 Dec 2022 07:33
 Operator : JC\MD
 Sample : N5989-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:57:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

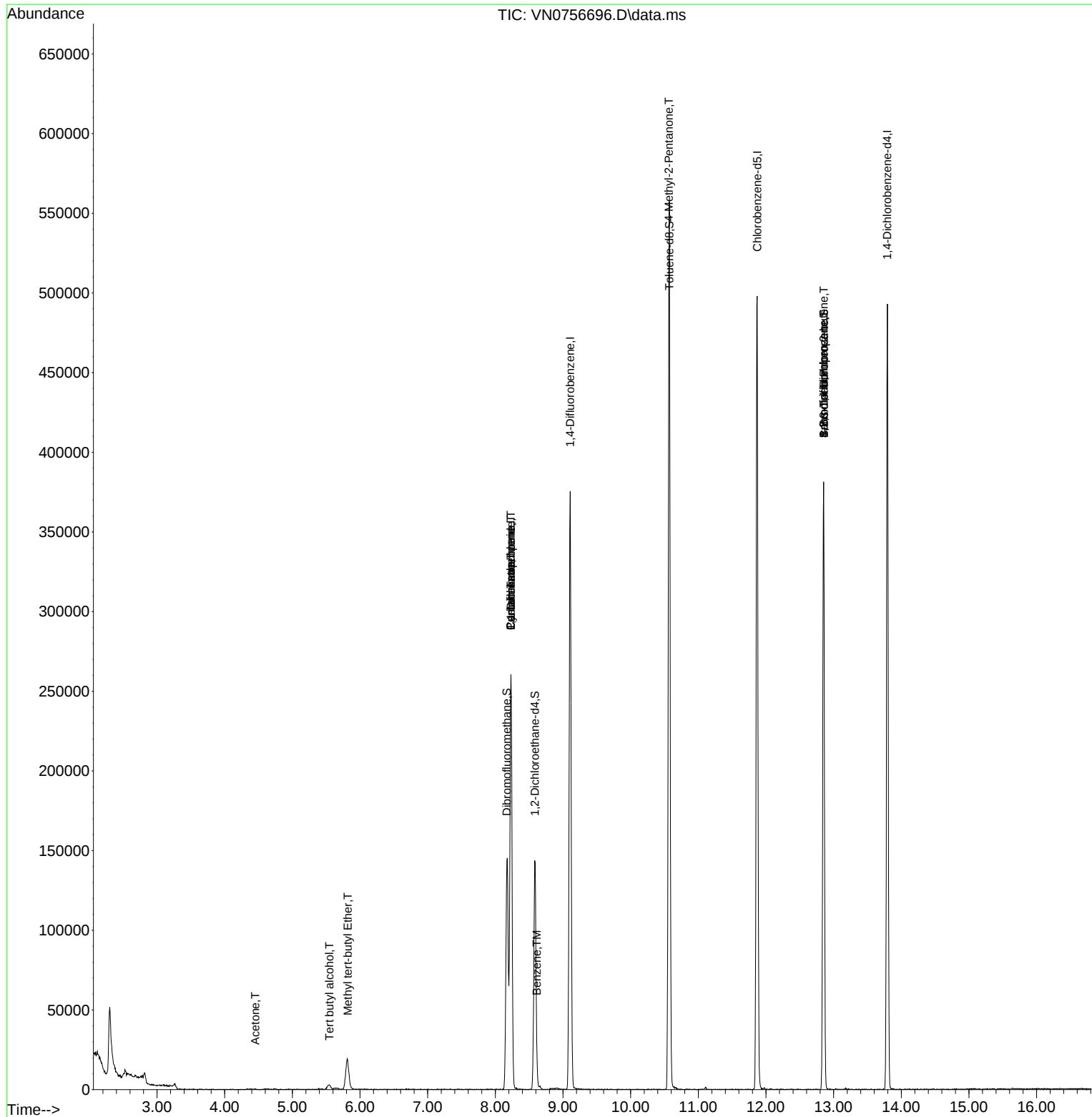
Internal Standards						
1) Pentafluorobenzene	8.230	168	203365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	345193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	310976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115786	53.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.320%	
35) Dibromofluoromethane	8.171	113	104738	49.731	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.460%	
50) Toluene-d8	10.571	98	398817	50.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.853	95	130244	48.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	5564	17.430	ug/l #	79
16) Acetone	4.453	43	530	0.725	ug/l #	41
19) Methyl tert-butyl Ether	5.818	73	32613	5.565	ug/l	97
31) Cyclohexane	8.230	56	3694	1.156	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14291	5.110	ug/l #	49
38) Carbon Tetrachloride	8.230	117	20275	6.283	ug/l #	17
40) Benzene	8.612	78	3980	0.464	ug/l	95
51) 4-Methyl-2-Pentanone	10.565	43	1537	0.665	ug/l #	1
71) Bromoform	12.853	173	1089	0.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	66589	23.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	66589	75.406	ug/l #	13

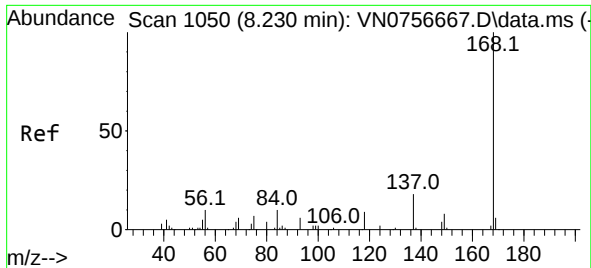
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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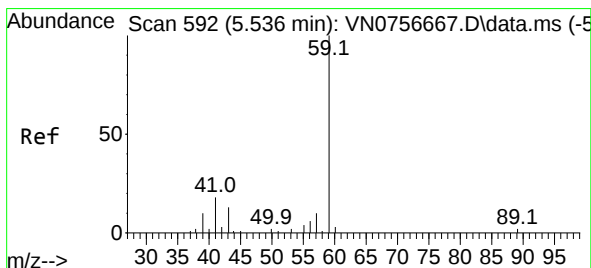
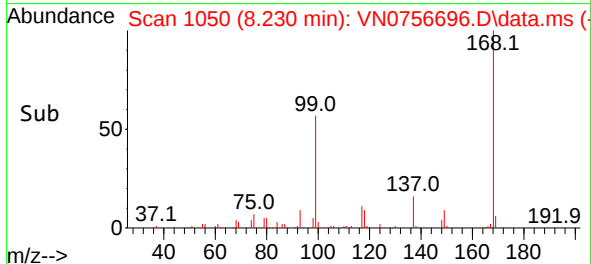
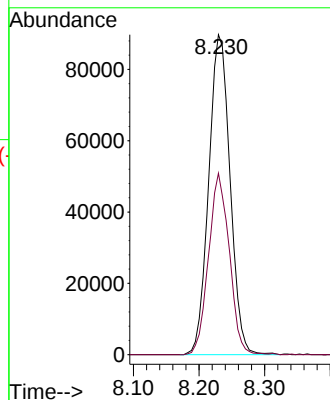
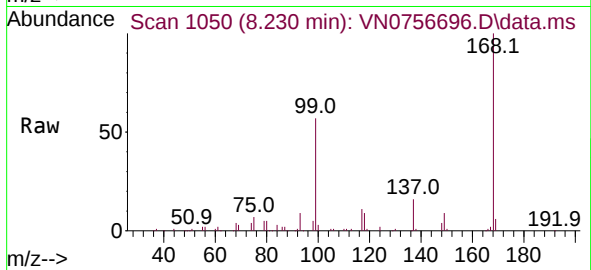




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

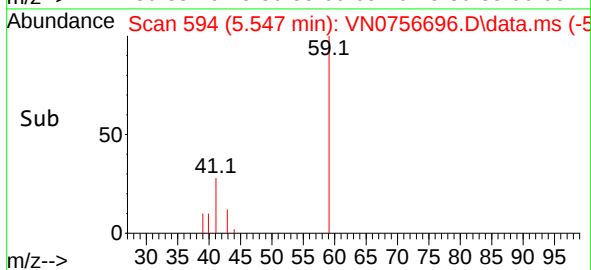
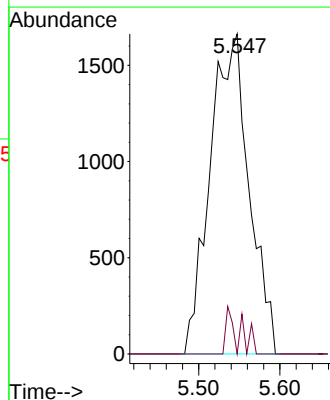
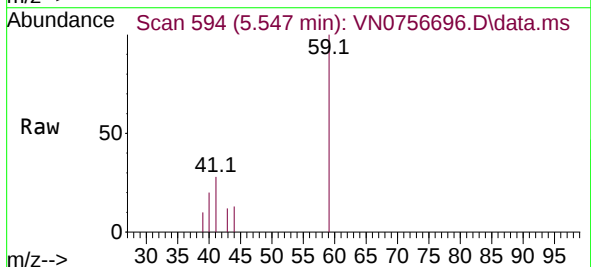
Instrument :
MSVOA_N
ClientSampleId :

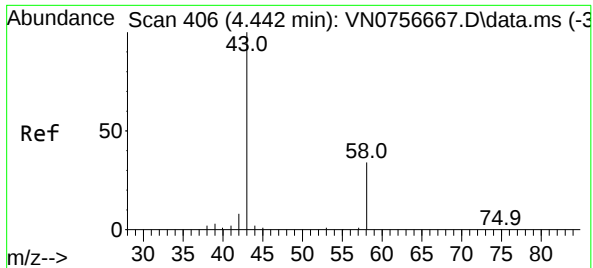
Tgt Ion:168 Resp: 203365
Ion Ratio Lower Upper
168 100
99 56.7 41.2 61.8



#11
Tert butyl alcohol
Concen: 17.430 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.012 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

Tgt Ion: 59 Resp: 5564
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#





#16

Acetone

Concen: 0.725 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN0756696.D

Acq: 10 Dec 2022 07:33

Instrument :

MSVOA_N

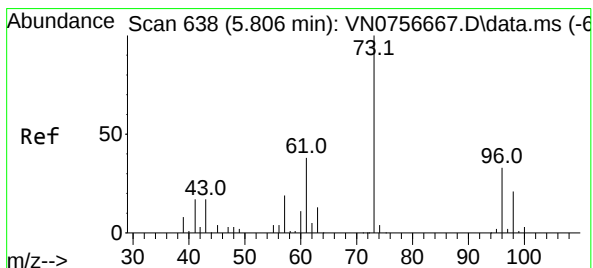
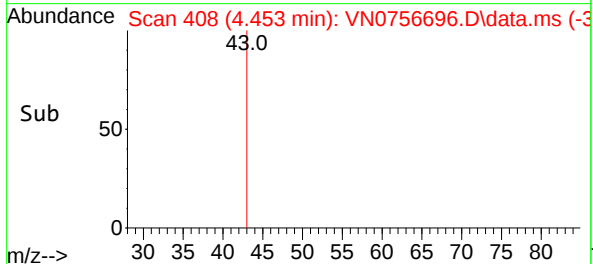
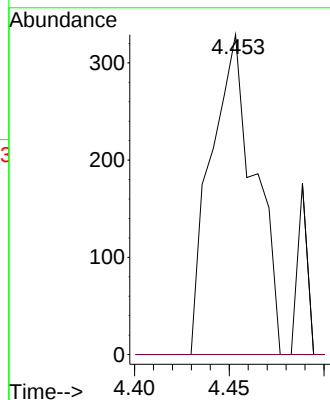
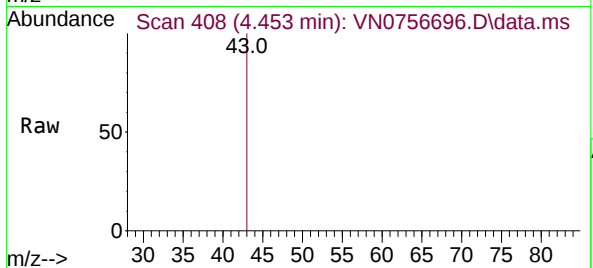
ClientSampleId :

Tgt Ion: 43 Resp: 530

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#19

Methyl tert-butyl Ether

Concen: 5.565 ug/l

RT: 5.818 min Scan# 640

Delta R.T. 0.012 min

Lab File: VN0756696.D

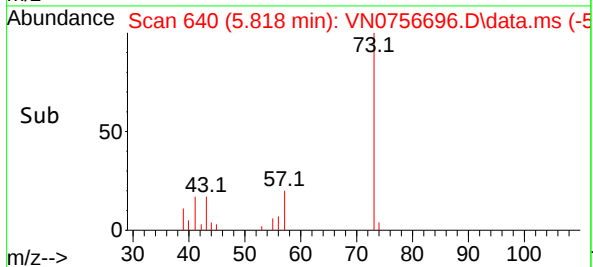
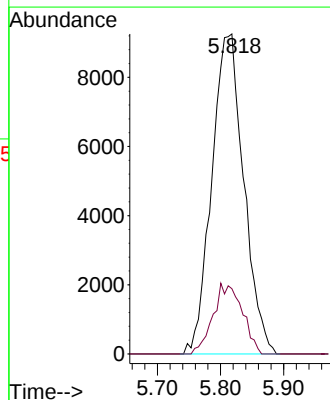
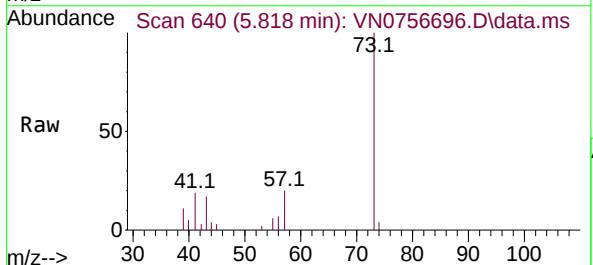
Acq: 10 Dec 2022 07:33

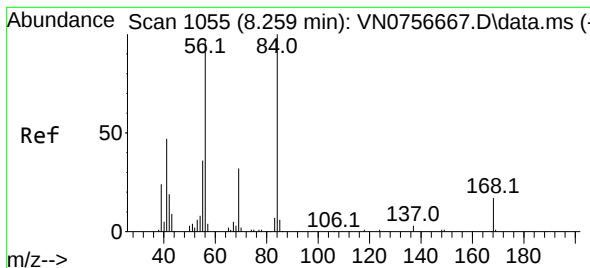
Tgt Ion: 73 Resp: 32613

Ion Ratio Lower Upper

73 100

57 20.4 15.1 22.7





#31

Cyclohexane

Concen: 1.156 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN0756696.D

Acq: 10 Dec 2022 07:33

Instrument :

MSVOA_N

ClientSampleId :

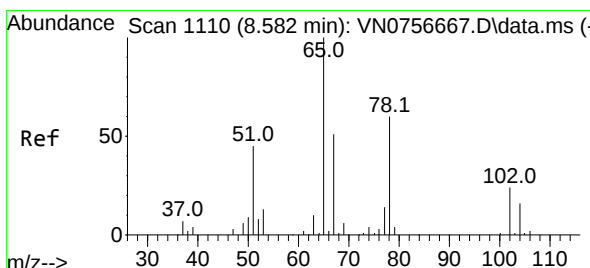
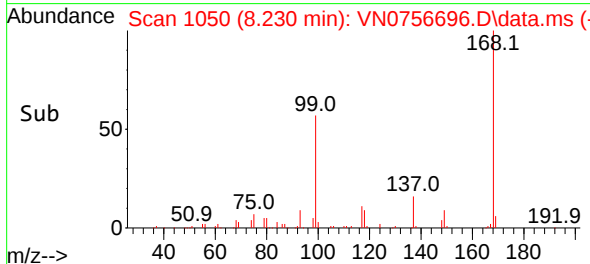
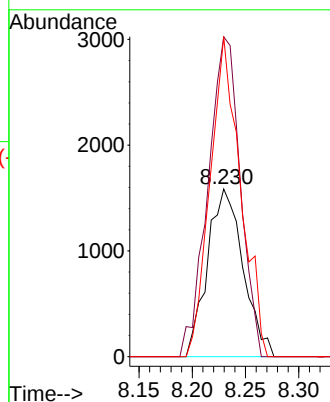
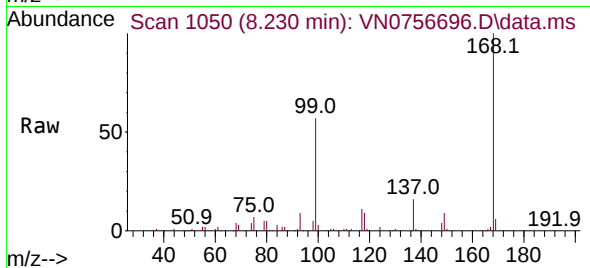
Tgt Ion: 56 Resp: 3694

Ion Ratio Lower Upper

56 100

69 190.7 26.2 39.2#

84 190.8 82.8 124.2#



#33

1,2-Dichloroethane-d4

Concen: 53.660 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN0756696.D

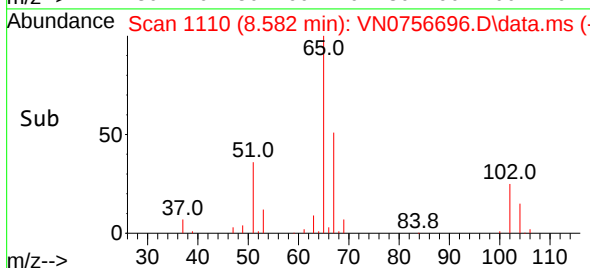
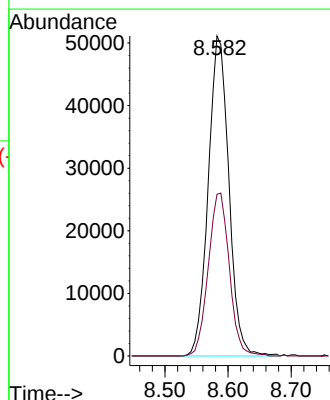
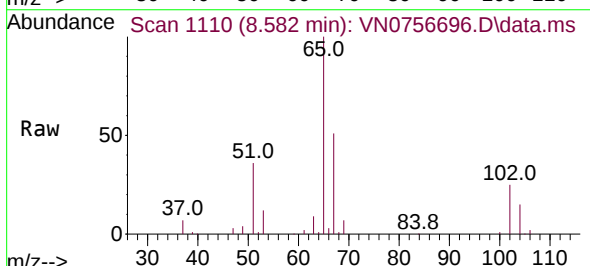
Acq: 10 Dec 2022 07:33

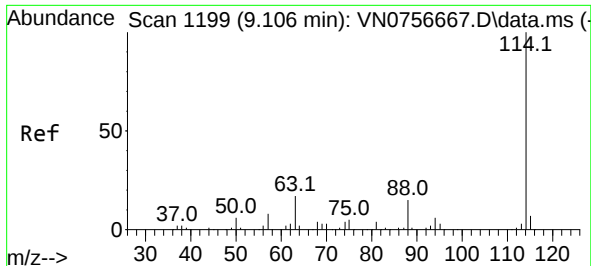
Tgt Ion: 65 Resp: 115786

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN0756696.D

Acq: 10 Dec 2022 07:33

Instrument :

MSVOA_N

ClientSampleId :

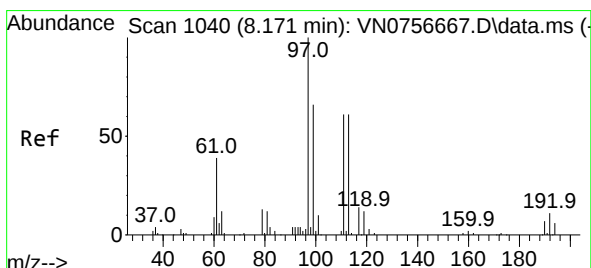
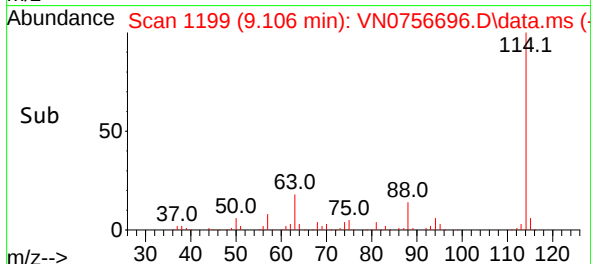
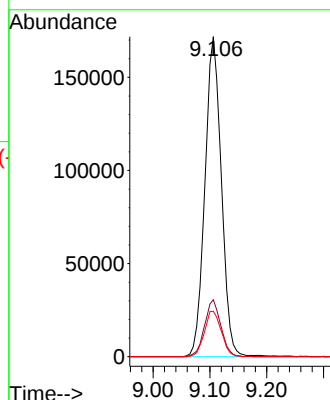
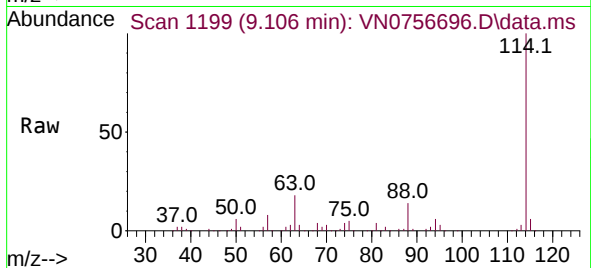
Tgt Ion:114 Resp: 345193

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.2 0.0 29.2



#35

Dibromofluoromethane

Concen: 49.731 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN0756696.D

Acq: 10 Dec 2022 07:33

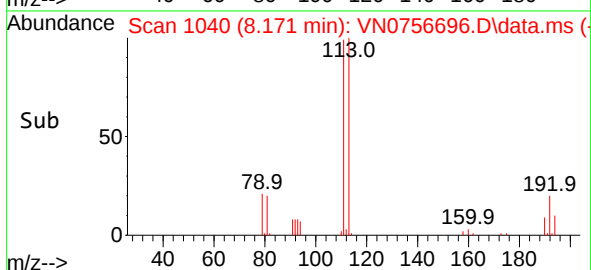
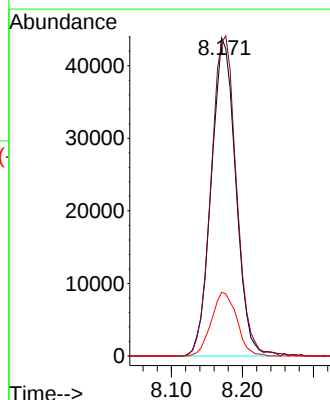
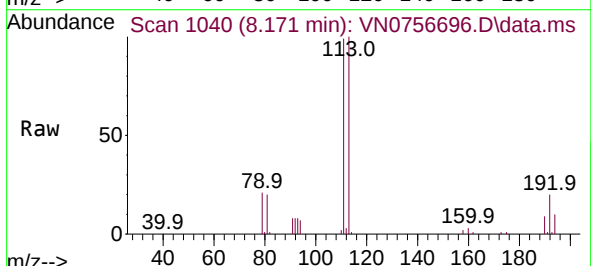
Tgt Ion:113 Resp: 104738

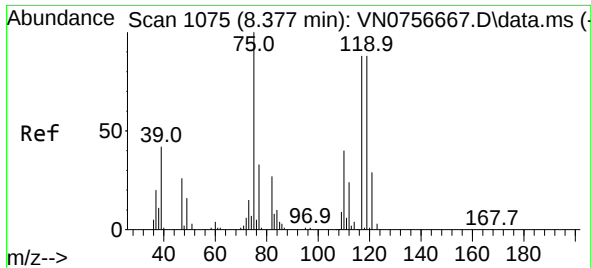
Ion Ratio Lower Upper

113 100

111 104.4 81.0 121.6

192 20.8 16.2 24.2

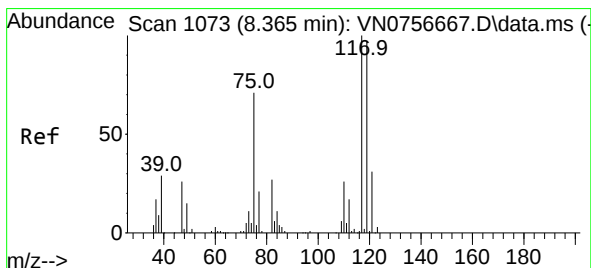
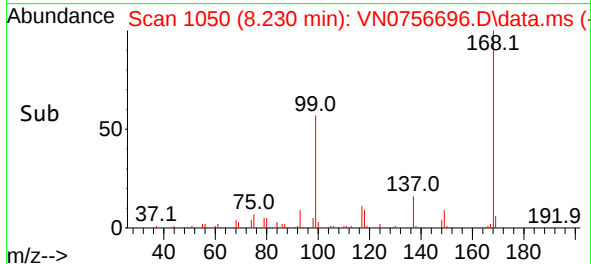
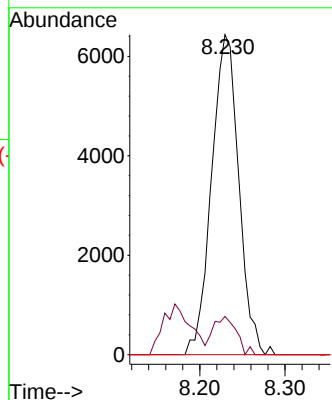
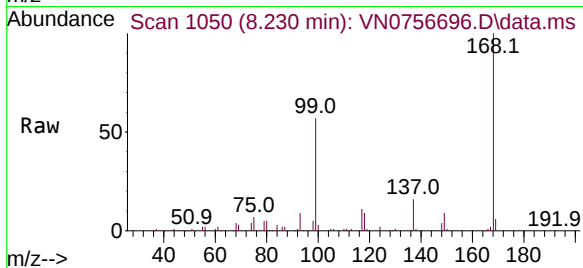




#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

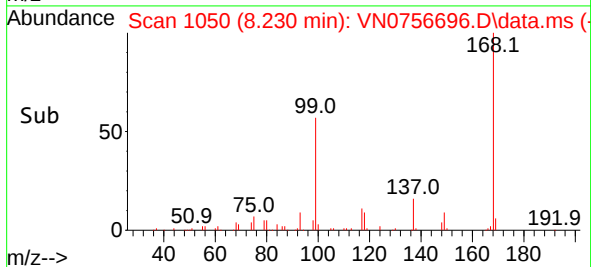
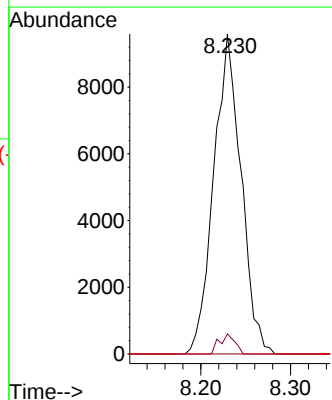
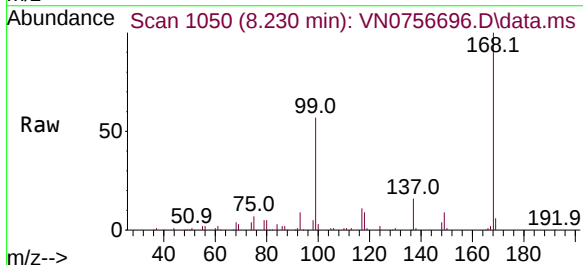
Instrument :
MSVOA_N
ClientSampleId :

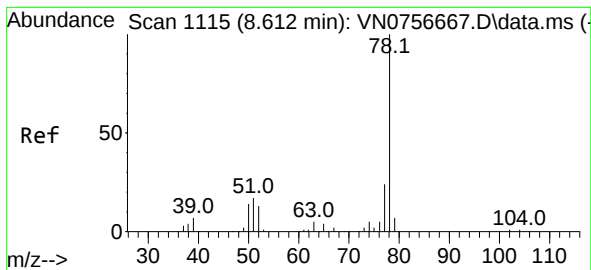
Tgt Ion: 75 Resp: 14291
Ion Ratio Lower Upper
75 100
110 10.3 18.9 56.9#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.283 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

Tgt Ion: 117 Resp: 20275
Ion Ratio Lower Upper
117 100
119 6.2 77.2 115.8#
121 0.0 24.6 37.0#





#40

Benzene

Concen: 0.464 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN0756696.D

Acq: 10 Dec 2022 07:33

Instrument :

MSVOA_N

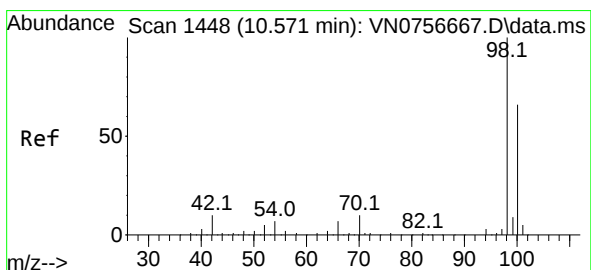
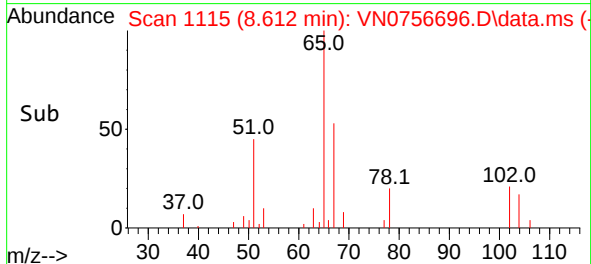
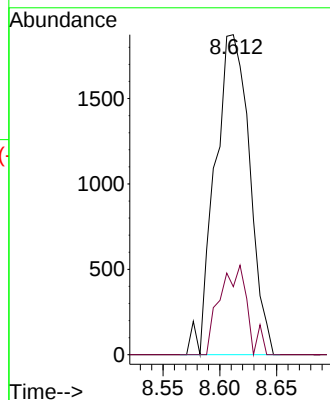
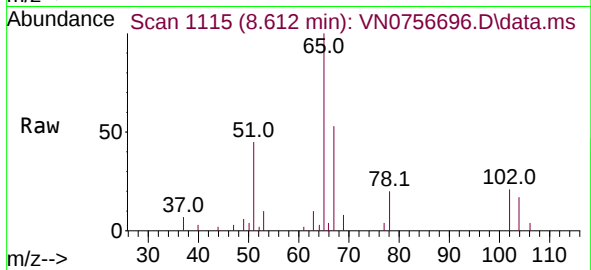
ClientSampleId :

Tgt Ion: 78 Resp: 3980

Ion Ratio Lower Upper

78 100

77 21.2 19.1 28.7



#50

Toluene-d8

Concen: 50.424 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN0756696.D

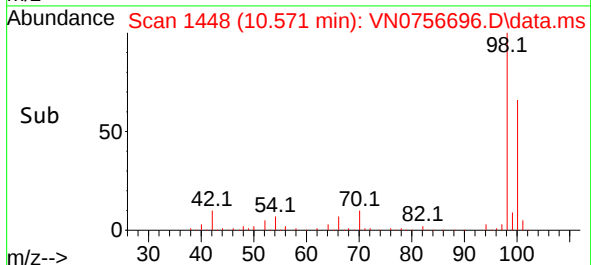
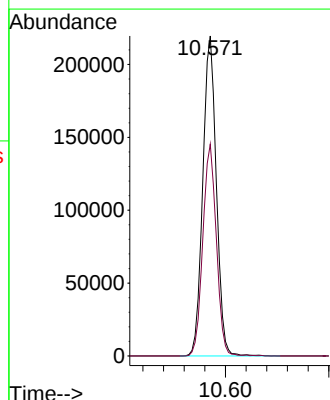
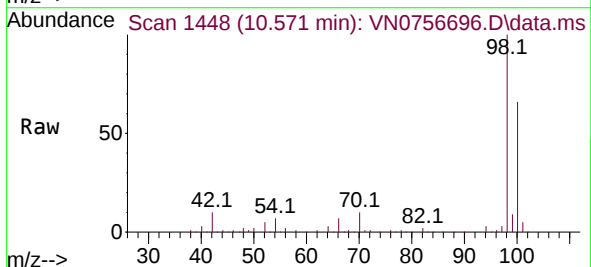
Acq: 10 Dec 2022 07:33

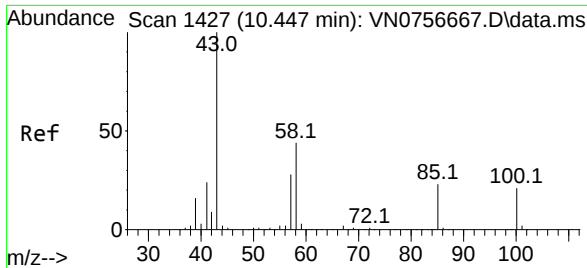
Tgt Ion: 98 Resp: 398817

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

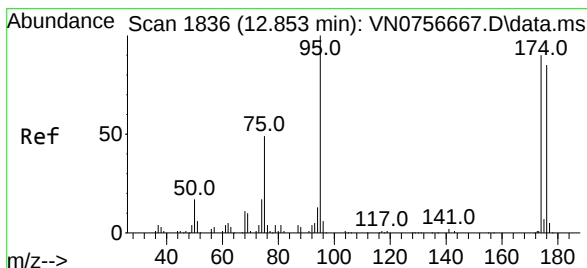
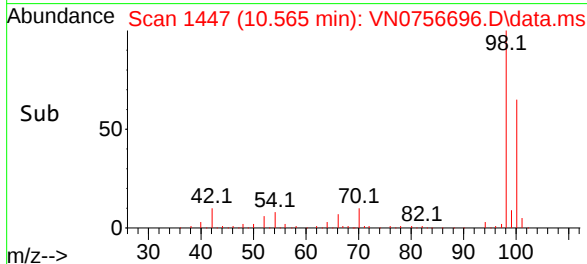
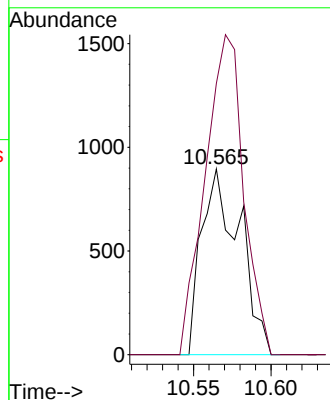
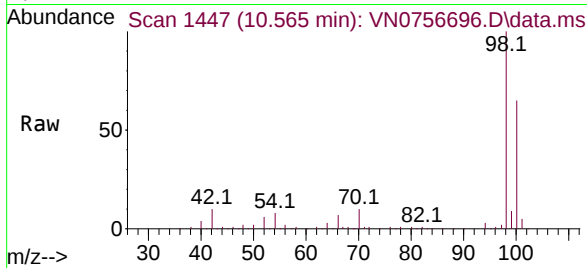




#51
4-Methyl-2-Pentanone
Concen: 0.665 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

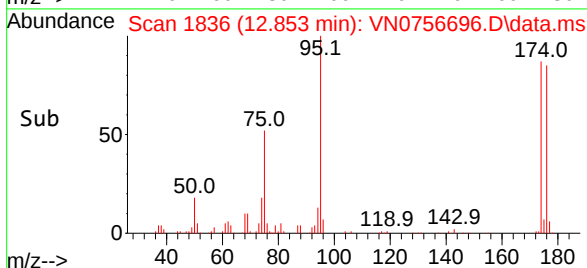
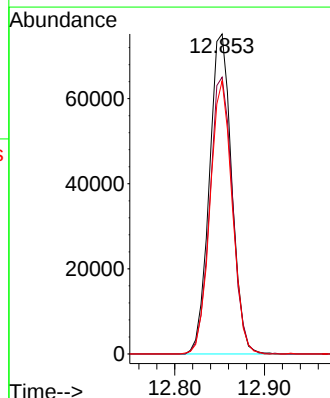
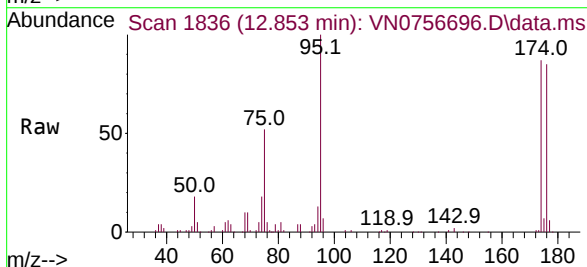
Instrument :
MSVOA_N
ClientSampleId :

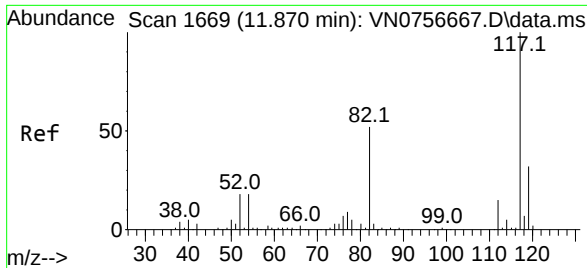
Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
58 173.6 35.0 52.6#



#62
4-Bromofluorobenzene
Concen: 48.163 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

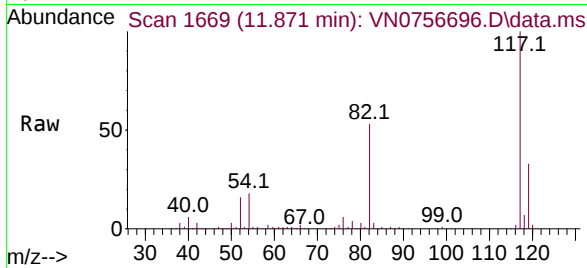
Tgt Ion: 95 Resp: 130244
Ion Ratio Lower Upper
95 100
174 87.6 0.0 178.6
176 84.2 0.0 170.8



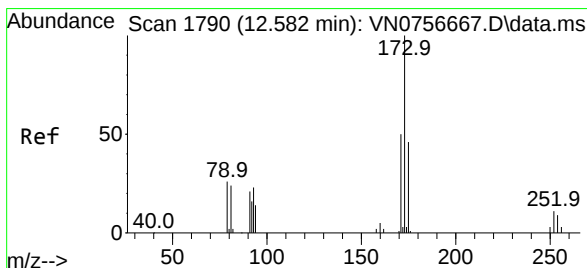
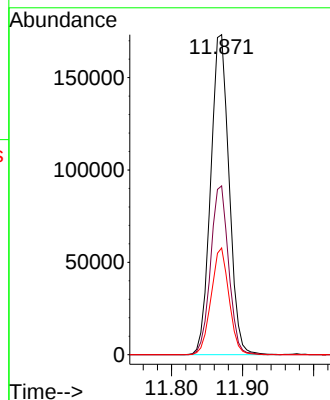
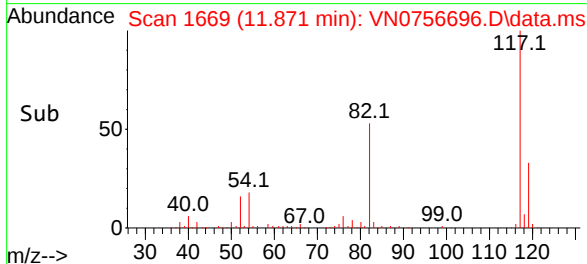


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

Instrument :
MSVOA_N
ClientSampleId :

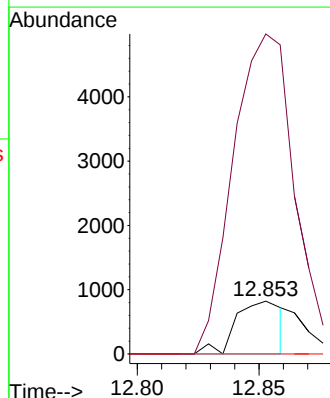
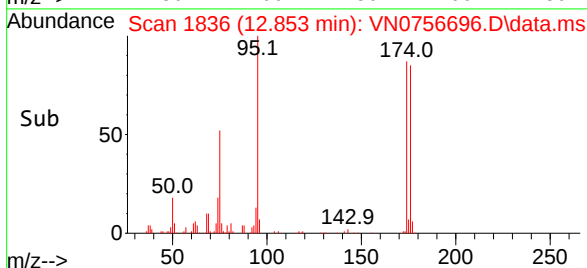
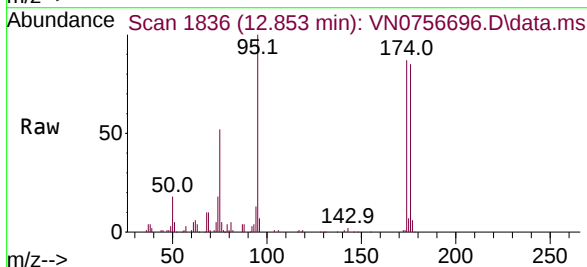


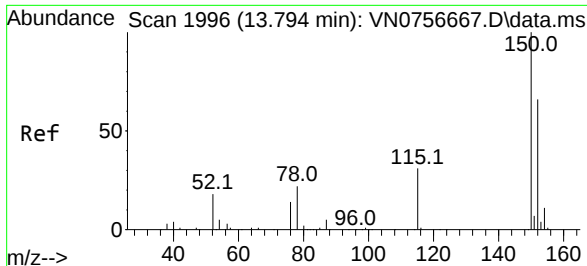
Tgt Ion:117 Resp: 310976
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 33.3 25.8 38.6



#71
Bromoform
Concen: 0.617 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756696.D
Acq: 10 Dec 2022 07:33

Tgt Ion:173 Resp: 1089
Ion Ratio Lower Upper
173 100
175 656.7 23.8 71.2#
254 0.0 0.0 0.0

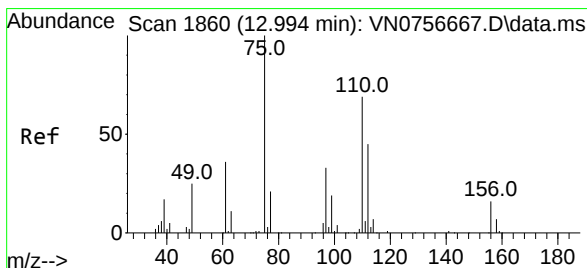
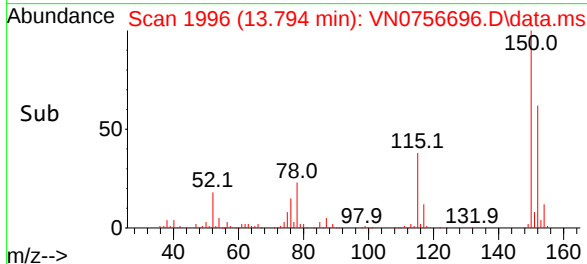
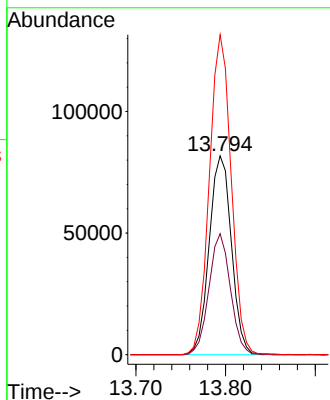
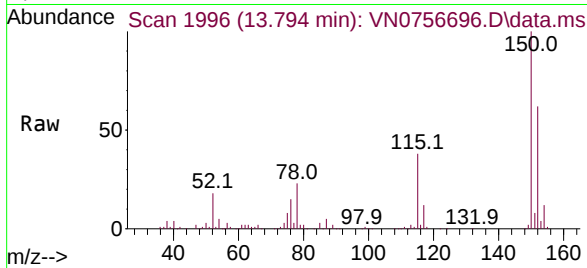




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN0756696.D
 Acq: 10 Dec 2022 07:33

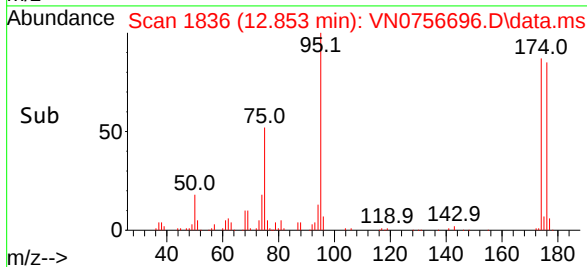
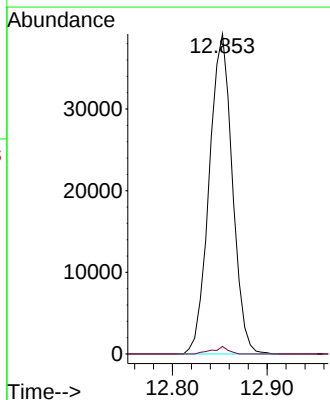
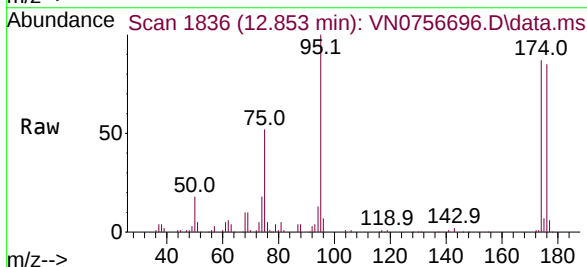
Instrument :
 MSVOA_N
 ClientSampleId :

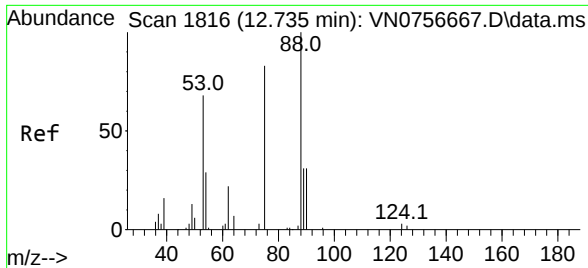
Tgt Ion:152 Resp: 140578
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.4 85.2
 150 158.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.587 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN0756696.D
 Acq: 10 Dec 2022 07:33

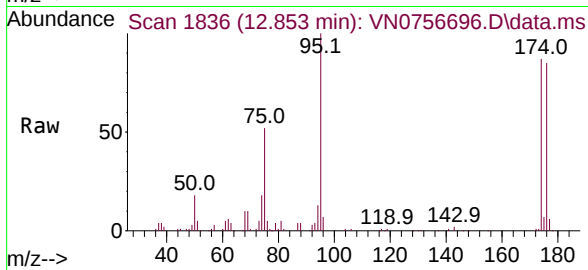
Tgt Ion: 75 Resp: 66589
 Ion Ratio Lower Upper
 75 100
 77 1.6 81.8 245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.406 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN0756696.D
 Acq: 10 Dec 2022 07:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 66589
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#

