

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756694.D
 Acq On : 10 Dec 2022 06:46
 Operator : JC\MD
 Sample : N5989-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:56:27 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)

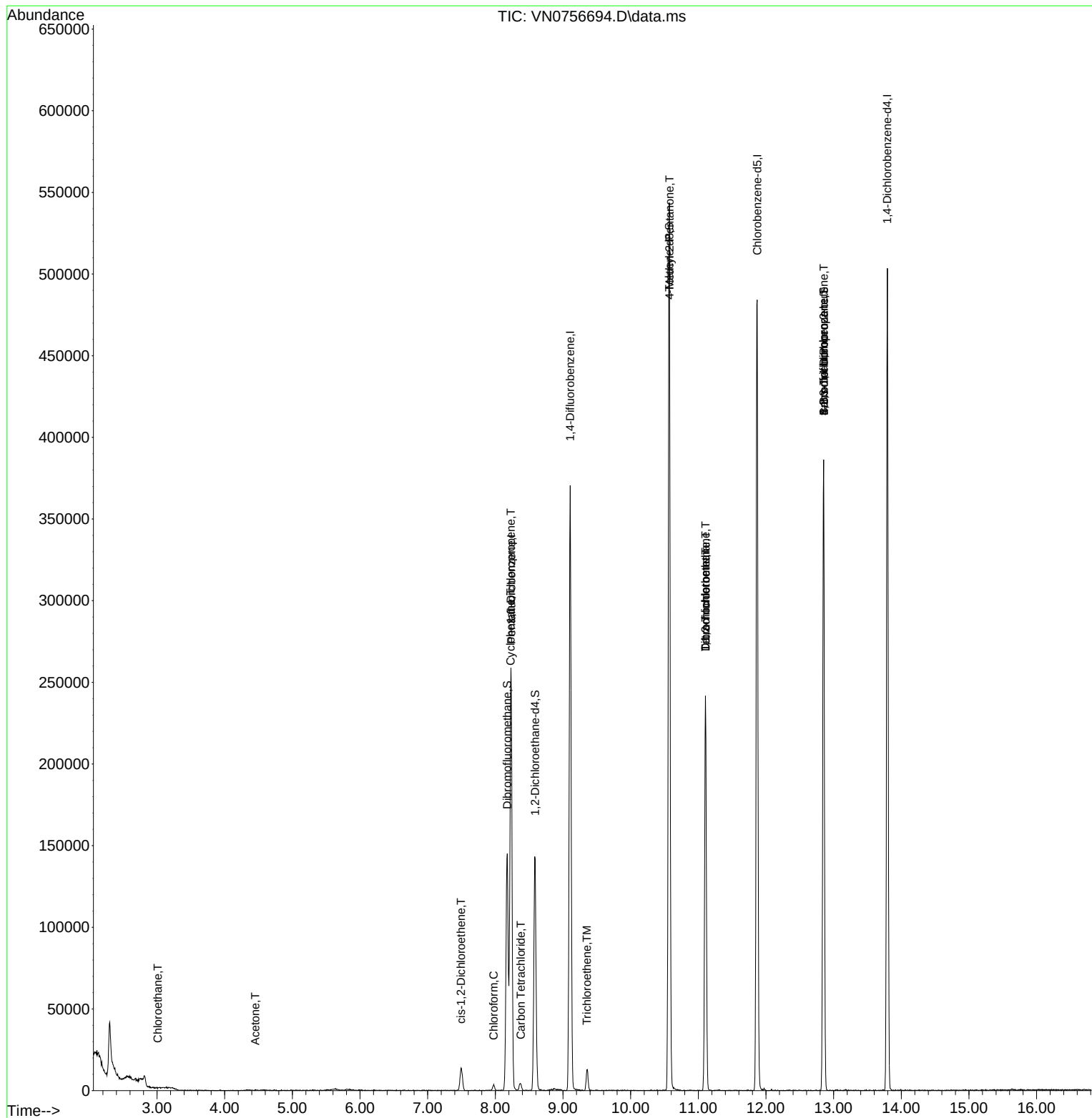
Internal Standards						
1) Pentafluorobenzene	8.235	168	201031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	304529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	117413	55.046	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.100%
35) Dibromofluoromethane	8.177	113	103656	49.954	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.900%
50) Toluene-d8	10.570	98	398391	51.124	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.853	95	130597	49.017	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.040%
Target Compounds						
					Qvalue	
6) Chloroethane	3.012	64	592	0.367	ug/l #	43
16) Acetone	4.453	43	219	0.303	ug/l #	41
27) cis-1,2-Dichloroethene	7.494	96	9305	3.983	ug/l	91
30) Chloroform	7.977	83	3545	0.996	ug/l #	73
31) Cyclohexane	8.224	56	3564	1.129	ug/l #	23
36) 1,1-Dichloropropene	8.229	75	14364	5.213	ug/l #	48
38) Carbon Tetrachloride	8.377	117	3466	1.090	ug/l	99
44) Trichloroethene	9.353	130	4957	2.078	ug/l	91
51) 4-Methyl-2-Pentanone	10.576	43	1433	0.629	ug/l #	1
55) 1,1,2-Trichloroethane	11.106	97	538	0.245	ug/l #	29
60) Dibromochloromethane	11.106	129	54361	22.481	ug/l #	11
64) Tetrachloroethene	11.106	164	58821	26.518	ug/l	98
71) Bromoform	12.853	173	1082	0.626	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	65350	22.787	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65350	72.940	ug/l #	13

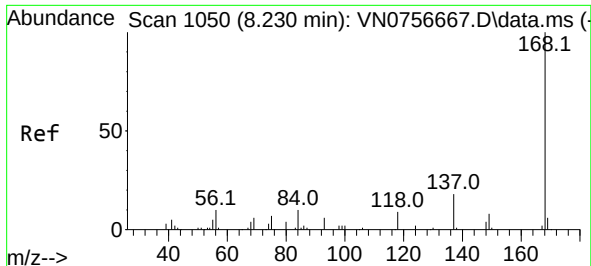
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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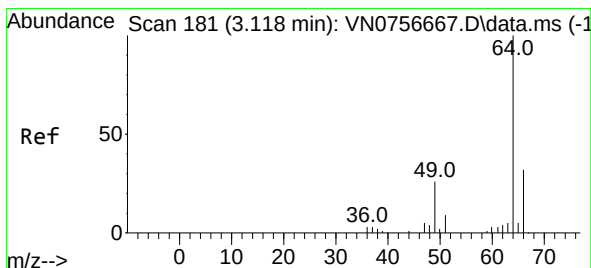
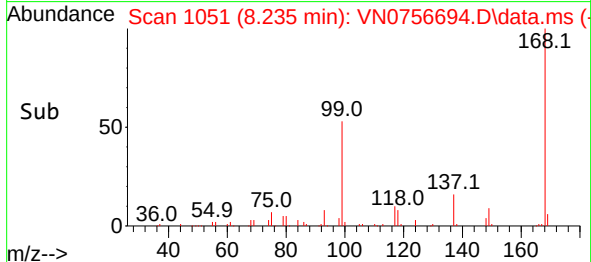
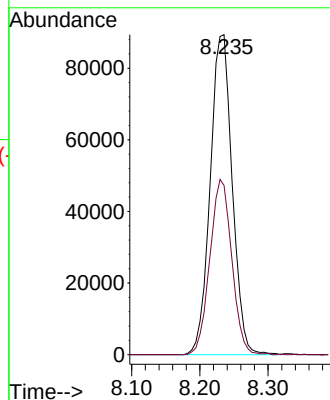
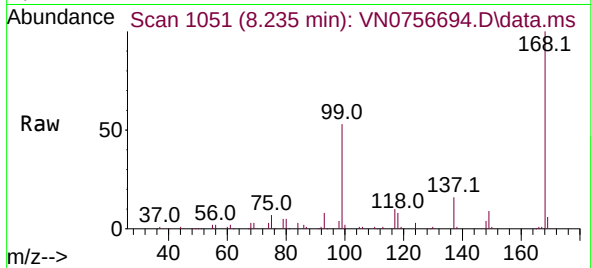




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

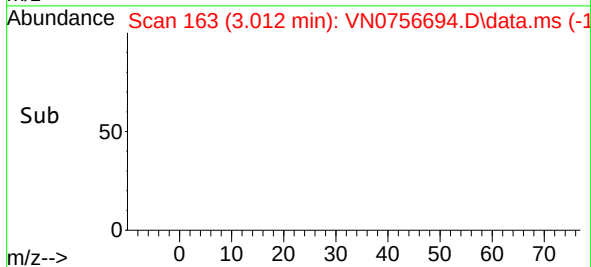
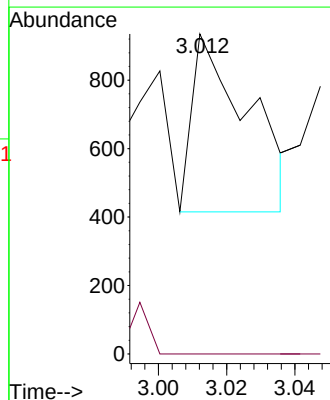
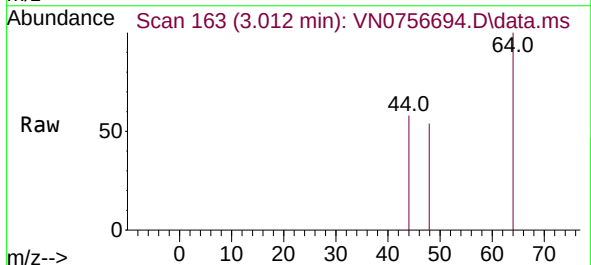
Instrument :
MSVOA_N
ClientSampleId :

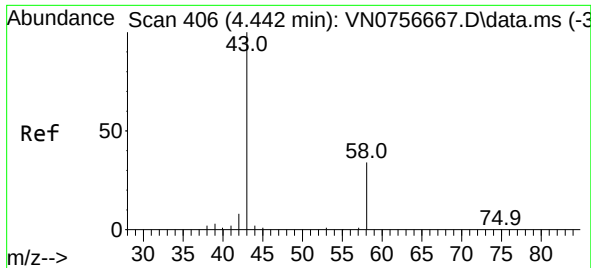
Tgt Ion:168 Resp: 201031
Ion Ratio Lower Upper
168 100
99 52.9 41.2 61.8



#6
Chloroethane
Concen: 0.367 ug/l
RT: 3.012 min Scan# 163
Delta R.T. -0.106 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

Tgt Ion: 64 Resp: 592
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#





#16

Acetone

Concen: 0.303 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN0756694.D

Acq: 10 Dec 2022 06:46

Instrument :

MSVOA_N

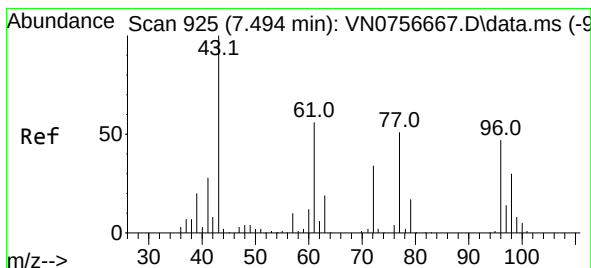
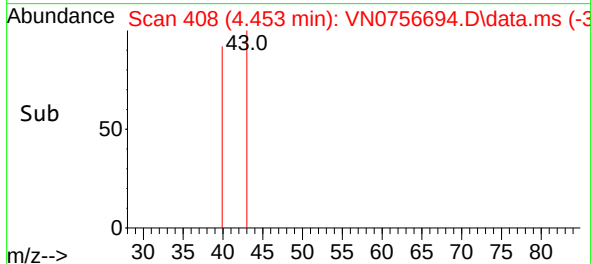
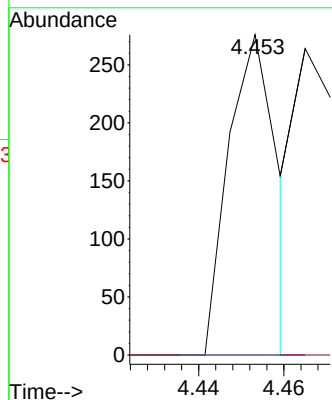
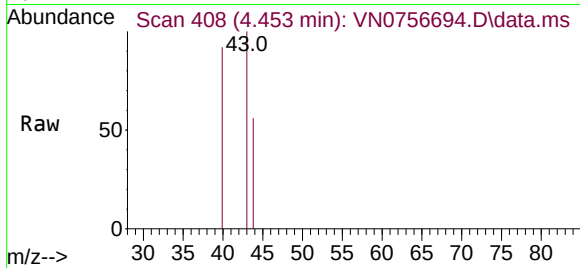
ClientSampleId :

Tgt Ion: 43 Resp: 219

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#27

cis-1,2-Dichloroethene

Concen: 3.983 ug/l

RT: 7.494 min Scan# 925

Delta R.T. -0.000 min

Lab File: VN0756694.D

Acq: 10 Dec 2022 06:46

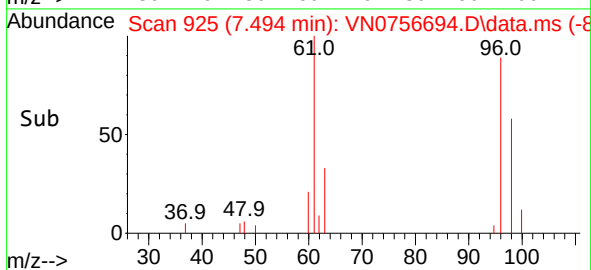
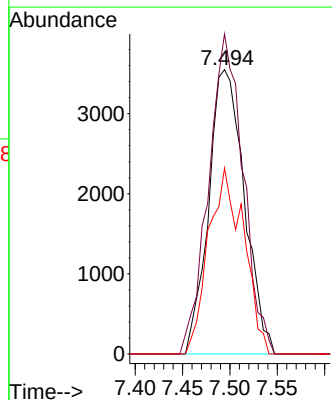
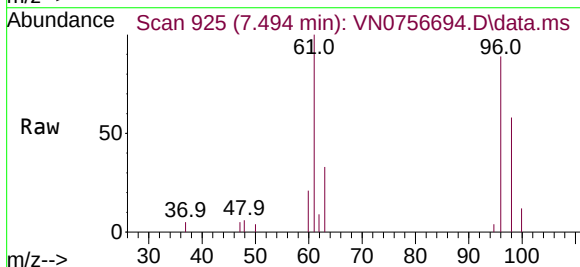
Tgt Ion: 96 Resp: 9305

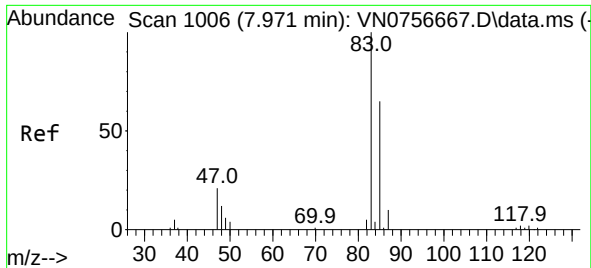
Ion Ratio Lower Upper

96 100

61 109.0 0.0 247.8

98 64.3 0.0 126.0

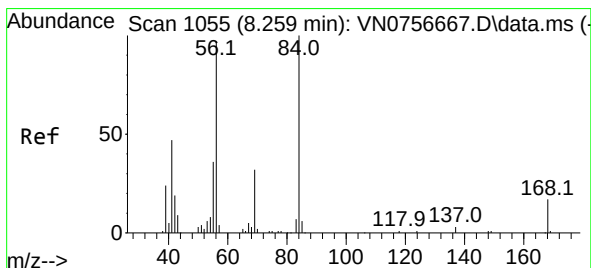
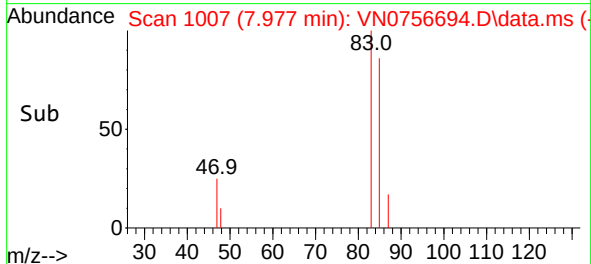
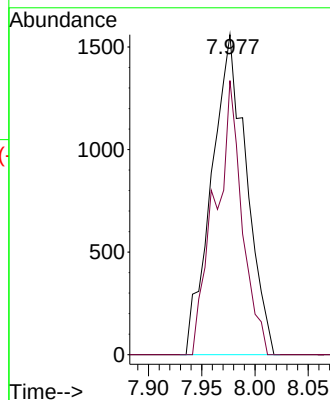
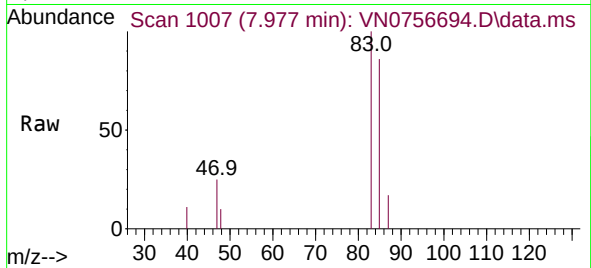




#30
Chloroform
Concen: 0.996 ug/l
RT: 7.977 min Scan# 1006
Delta R.T. 0.006 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

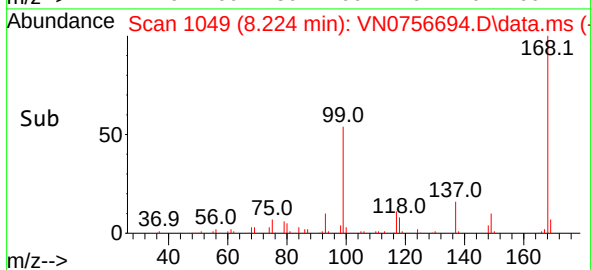
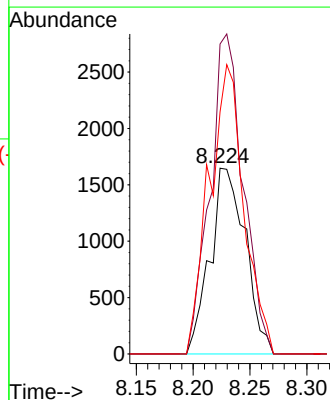
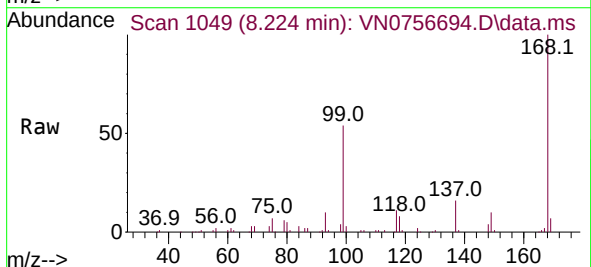
Instrument :
MSVOA_N
ClientSampleId :

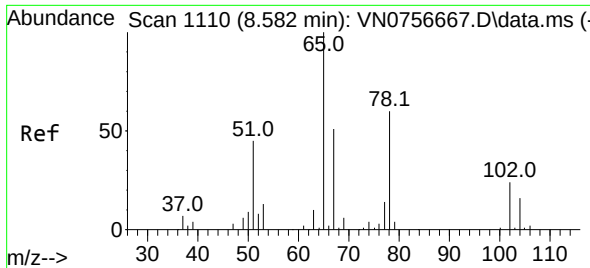
Tgt Ion: 83 Resp: 3545
Ion Ratio Lower Upper
83 100
85 85.6 51.8 77.6#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

Tgt Ion: 56 Resp: 3564
Ion Ratio Lower Upper
56 100
69 166.8 26.2 39.2#
84 130.3 82.8 124.2#

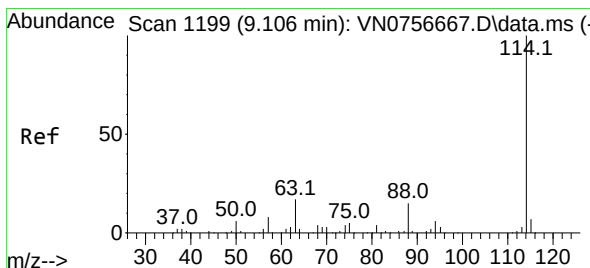
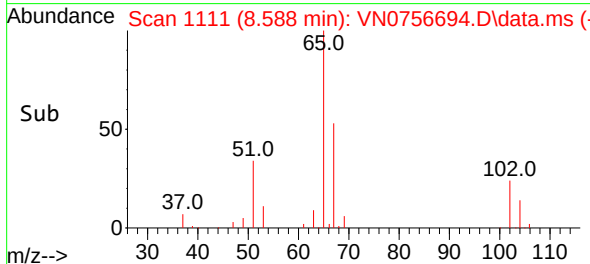
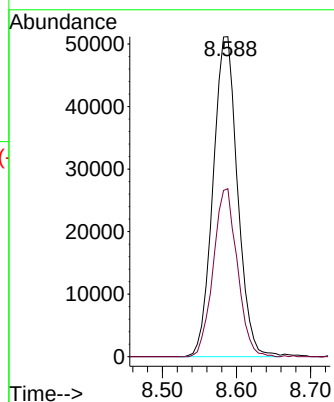
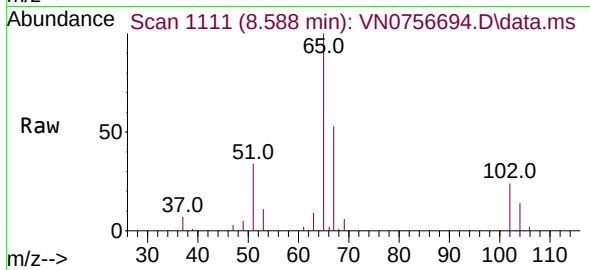




#33
 1,2-Dichloroethane-d4
 Concen: 55.046 ug/l
 RT: 8.588 min Scan# 1111
 Delta R.T. 0.006 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

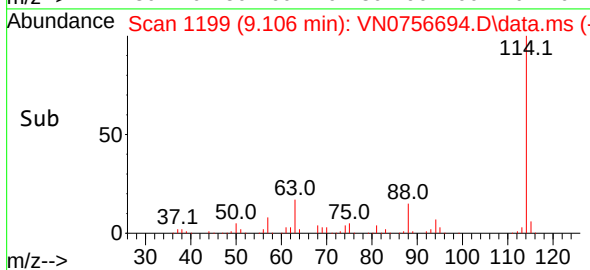
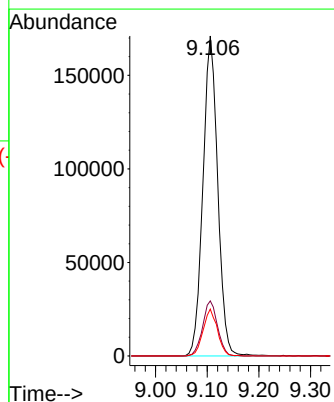
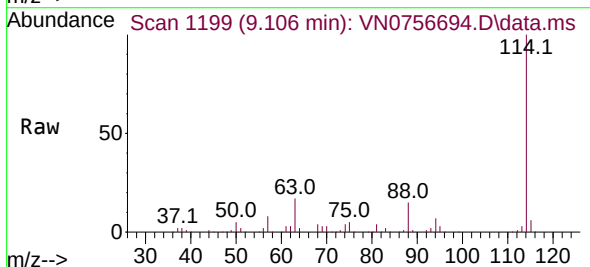
Instrument :
 MSVOA_N
 ClientSampleId :

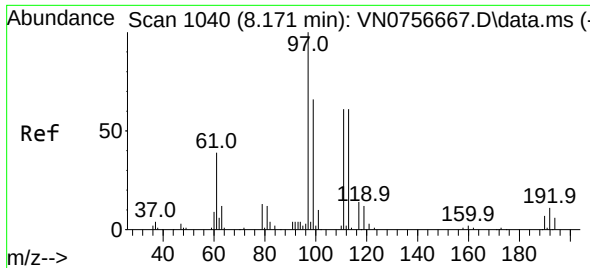
Tgt Ion: 65 Resp: 117413
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

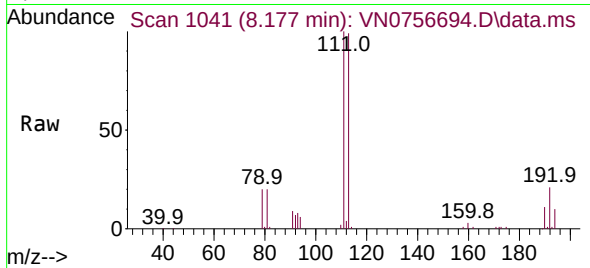
Tgt Ion: 114 Resp: 340102
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.4
 88 14.6 0.0 29.2



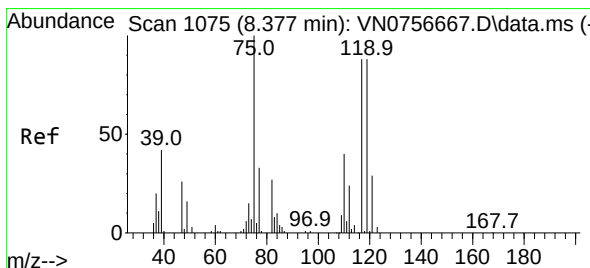
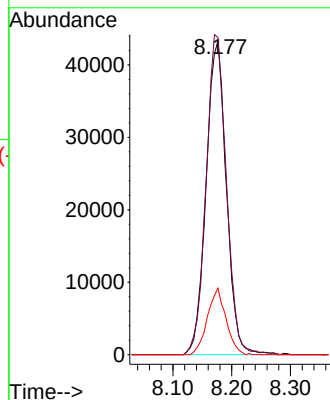
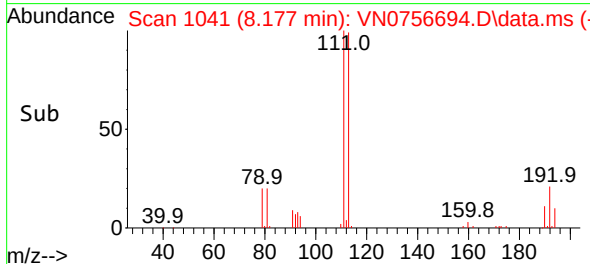


#35
Dibromofluoromethane
Concen: 49.954 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

Instrument :
MSVOA_N
ClientSampleId :

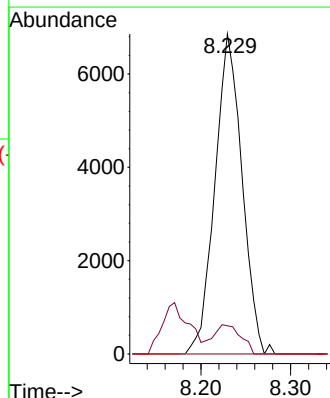
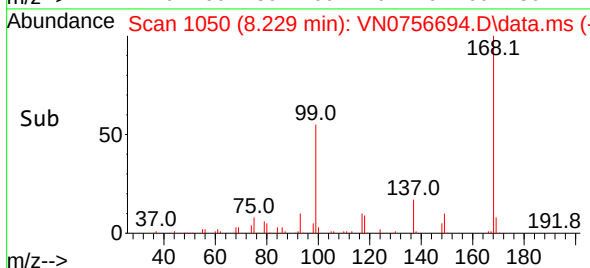
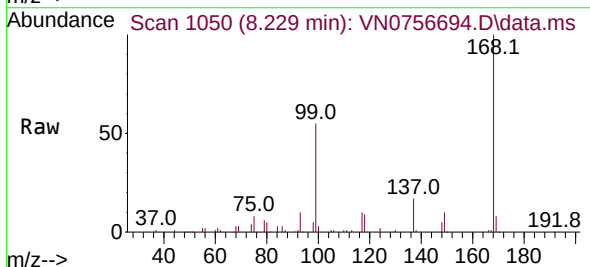


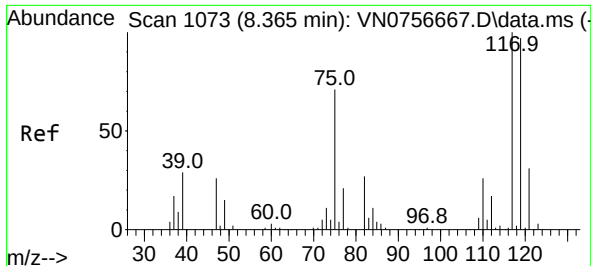
Tgt Ion:113 Resp: 103656
Ion Ratio Lower Upper
113 100
111 102.4 81.0 121.6
192 19.5 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.213 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

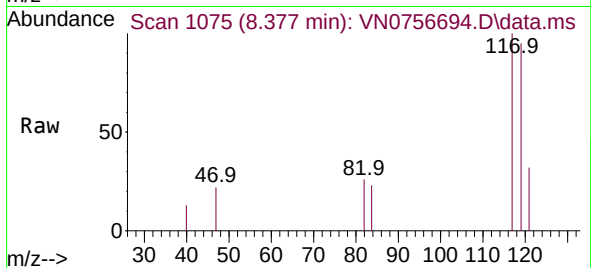
Tgt Ion: 75 Resp: 14364
Ion Ratio Lower Upper
75 100
110 8.9 18.9 56.9#
77 0.0 25.4 38.2#



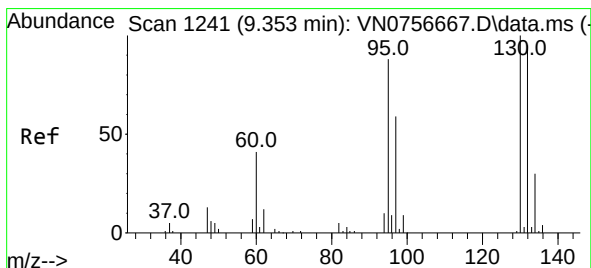
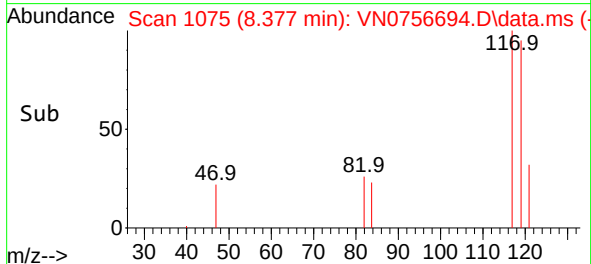
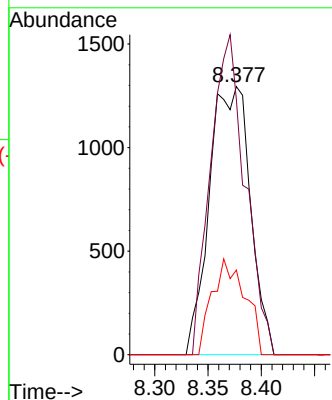


#38
Carbon Tetrachloride
Concen: 1.090 ug/l
RT: 8.377 min Scan# 117
Delta R.T. 0.012 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

Instrument :
MSVOA_N
ClientSampleId :

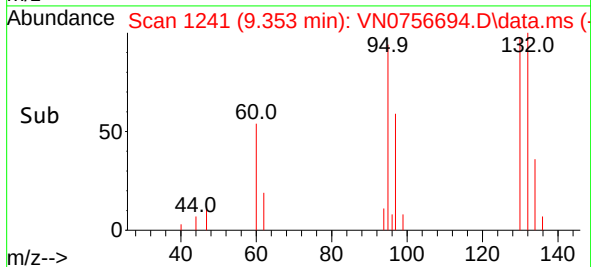
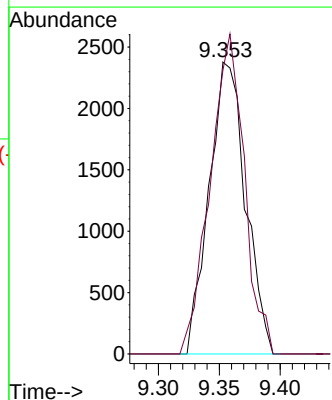
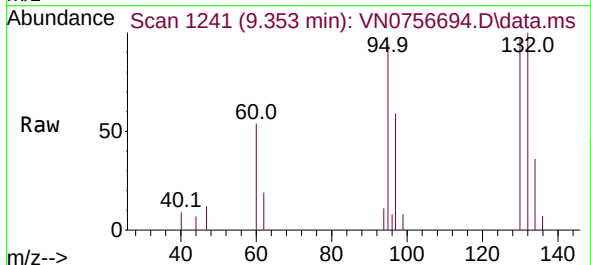


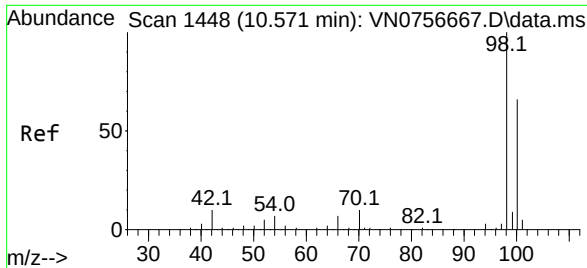
Tgt Ion:117 Resp: 3466
Ion Ratio Lower Upper
117 100
119 95.2 77.2 115.8
121 31.6 24.6 37.0



#44
Trichloroethene
Concen: 2.078 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

Tgt Ion:130 Resp: 4957
Ion Ratio Lower Upper
130 100
95 97.2 0.0 176.8

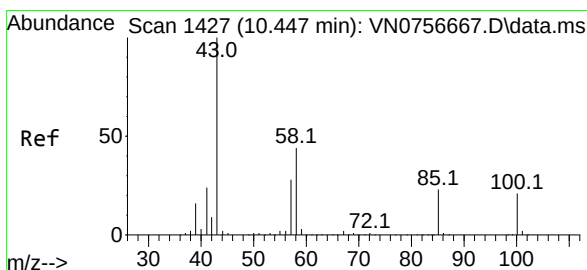
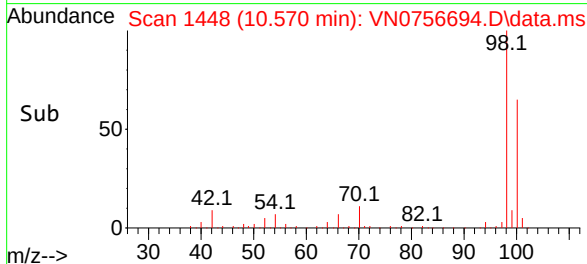
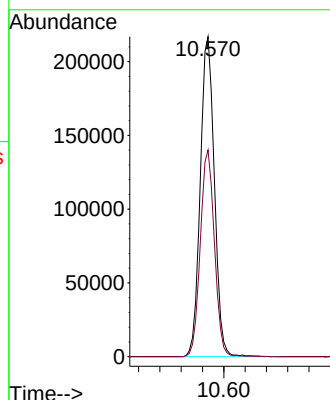
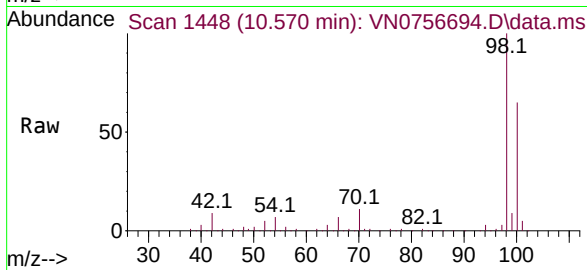




#50
Toluene-d8
Concen: 51.124 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

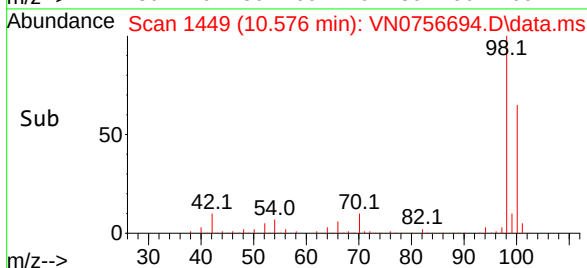
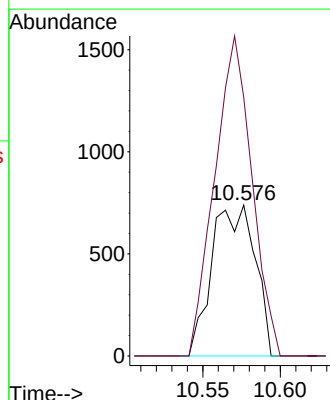
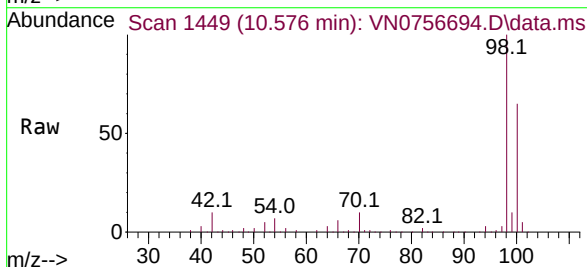
Instrument :
MSVOA_N
ClientSampleId :

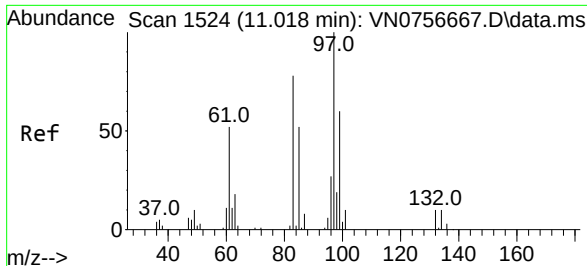
Tgt Ion: 98 Resp: 398391
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.629 ug/l
RT: 10.576 min Scan# 1449
Delta R.T. 0.129 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

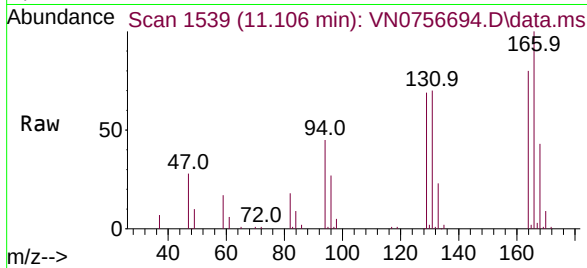
Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
58 182.5 35.0 52.6#



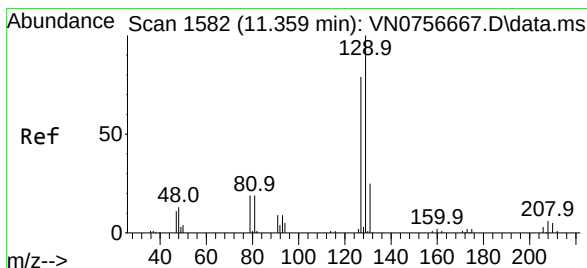
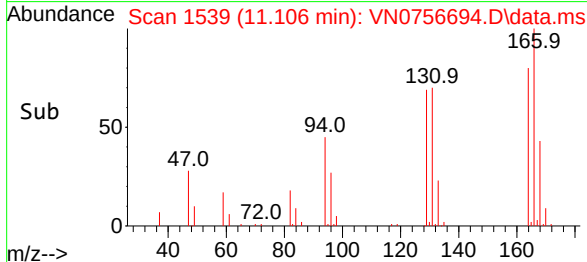
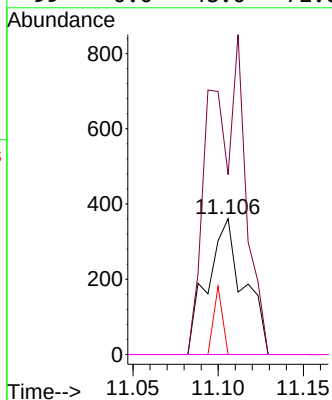


#55
 1,1,2-Trichloroethane
 Concen: 0.245 ug/l
 RT: 11.106 min Scan# 1539
 Delta R.T. 0.088 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

Instrument :
 MSVOA_N
 ClientSampleId :

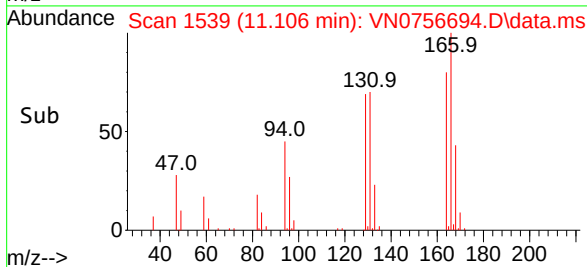
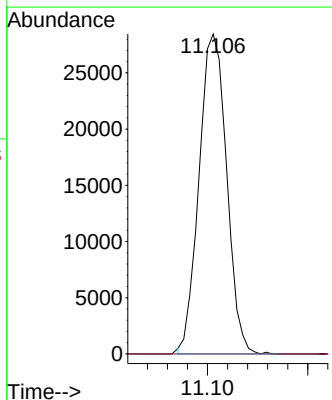
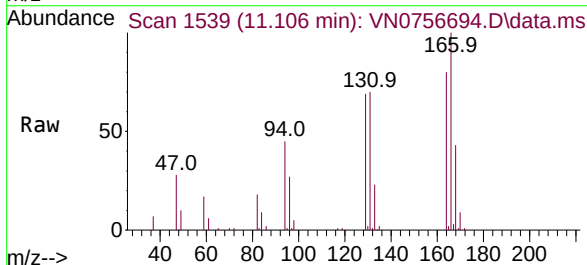


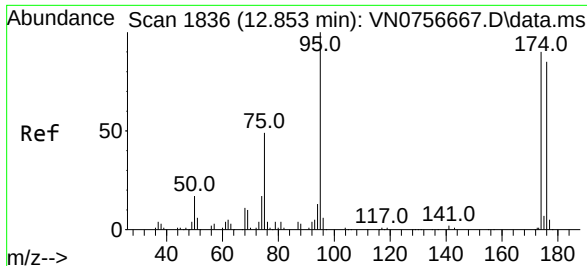
Tgt Ion: 97	Resp: 538
Ion Ratio	Lower Upper
97	100
83	132.4 62.7 94.1#
85	0.0 41.8 62.6#
99	0.0 48.0 72.0#



#60
 Dibromochloromethane
 Concen: 22.481 ug/l
 RT: 11.106 min Scan# 1539
 Delta R.T. -0.253 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

Tgt Ion: 129	Resp: 54361
Ion Ratio	Lower Upper
129	100
127	0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 49.017 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.000 min

Lab File: VN0756694.D

Acq: 10 Dec 2022 06:46

Instrument :

MSVOA_N

ClientSampleId :

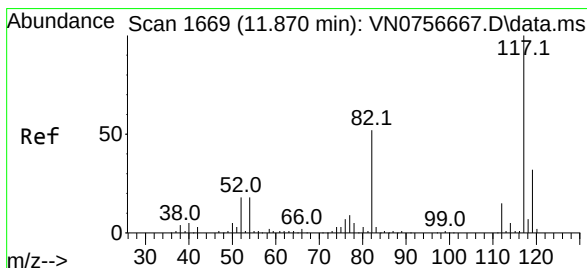
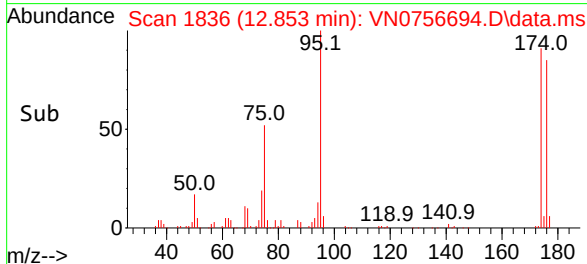
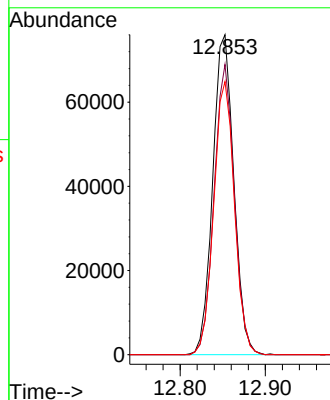
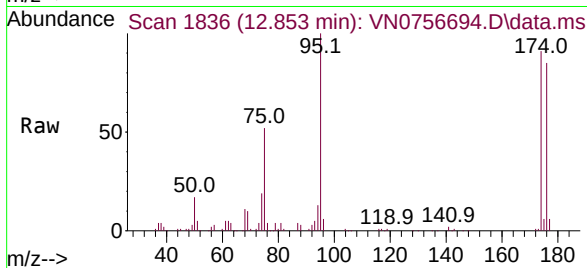
Tgt Ion: 95 Resp: 130597

Ion Ratio Lower Upper

95 100

174 87.4 0.0 178.6

176 84.1 0.0 170.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1669

Delta R.T. -0.000 min

Lab File: VN0756694.D

Acq: 10 Dec 2022 06:46

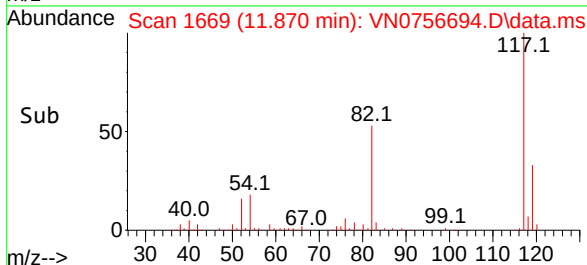
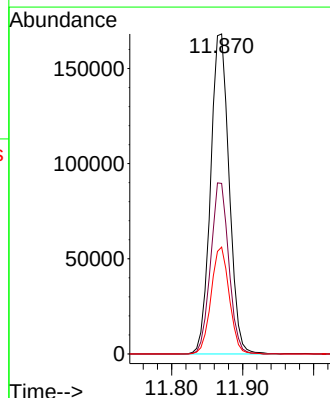
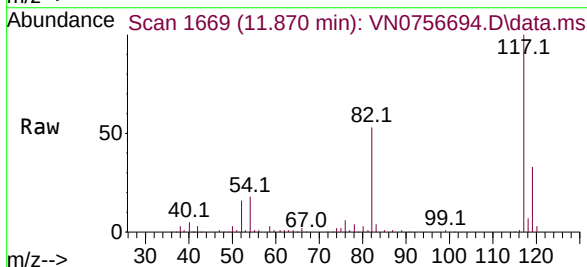
Tgt Ion: 117 Resp: 304529

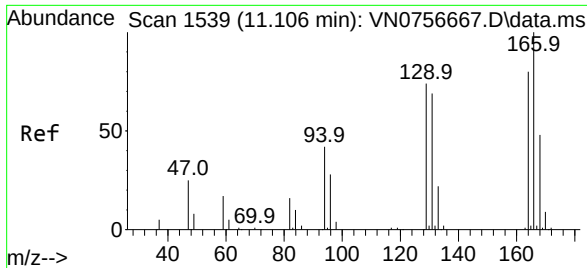
Ion Ratio Lower Upper

117 100

82 53.3 41.8 62.8

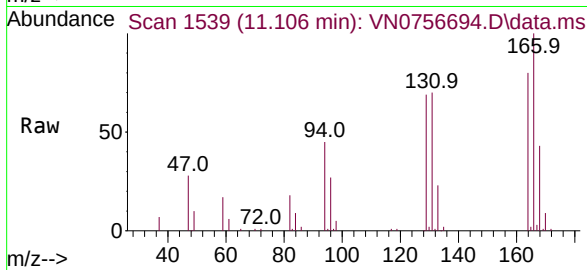
119 33.4 25.8 38.6



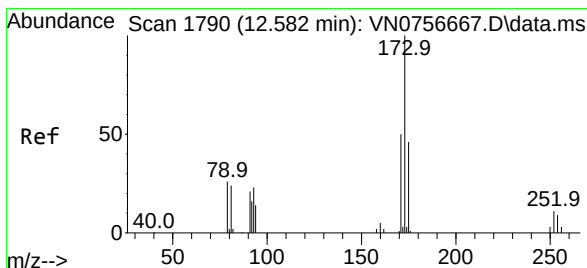
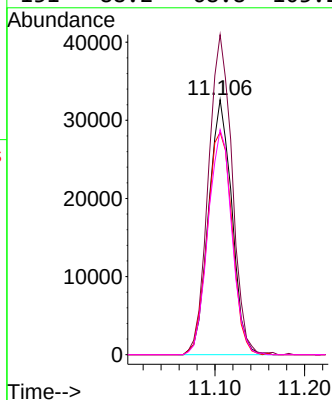
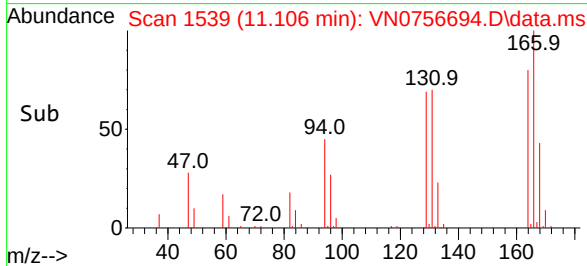


#64
Tetrachloroethene
Concen: 26.518 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46

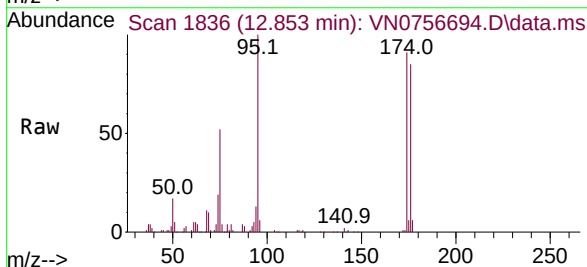
Instrument :
MSVOA_N
ClientSampleId :



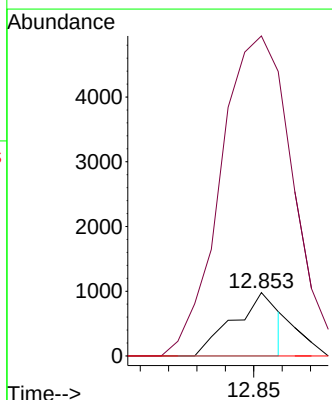
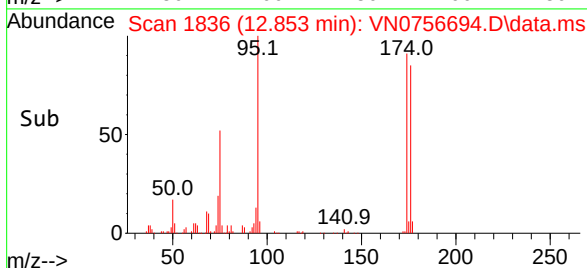
Tgt Ion:164 Resp: 58821
Ion Ratio Lower Upper
164 100
166 125.5 100.3 150.5
129 87.2 73.9 110.9
131 88.2 68.8 103.2

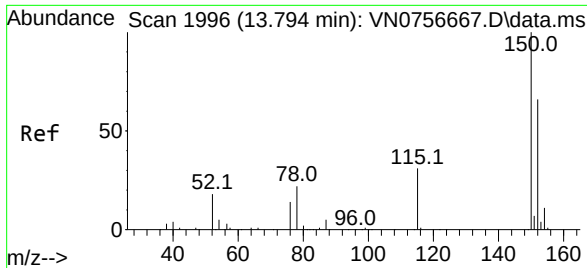


#71
Bromoform
Concen: 0.626 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756694.D
Acq: 10 Dec 2022 06:46



Tgt Ion:173 Resp: 1082
Ion Ratio Lower Upper
173 100
175 670.5 23.8 71.2#
254 0.0 0.0 0.0

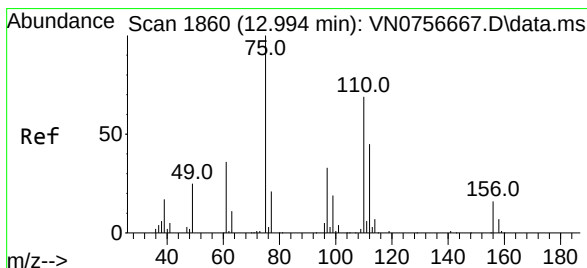
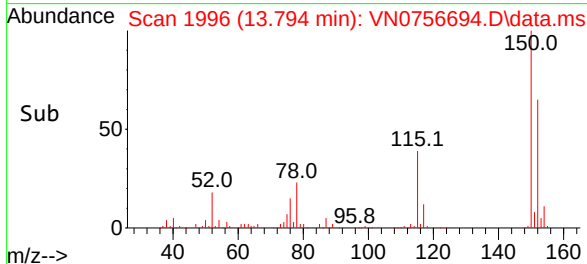
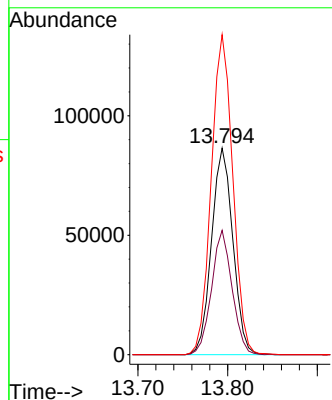
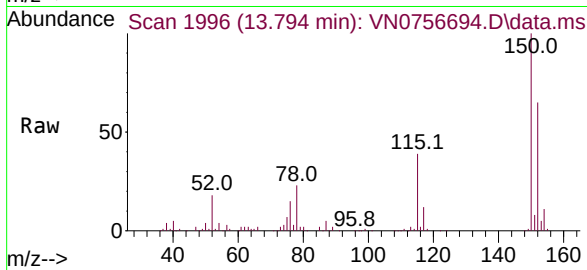




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

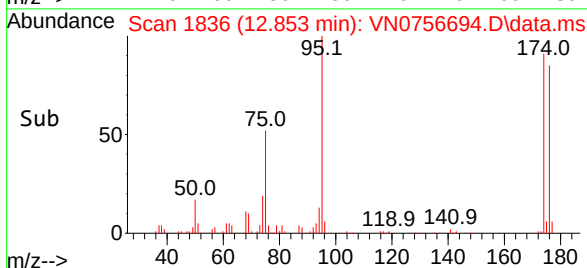
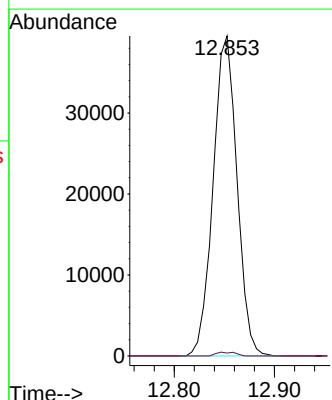
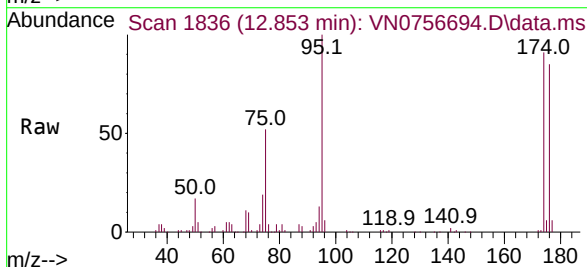
Instrument :
 MSVOA_N
 ClientSampleId :

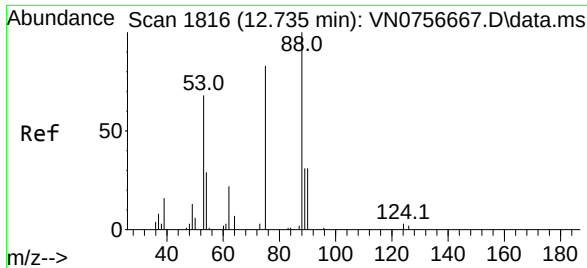
Tgt Ion:152 Resp: 142805
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.4 85.2
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 22.787 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

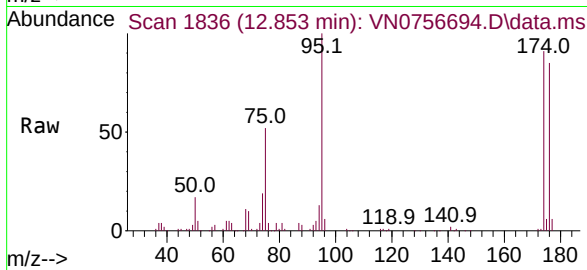
Tgt Ion: 75 Resp: 65350
 Ion Ratio Lower Upper
 75 100
 77 0.9 81.8 245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.940 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN0756694.D
 Acq: 10 Dec 2022 06:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 65350
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#

