

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756692.D
 Acq On : 10 Dec 2022 05:58
 Operator : JC\MD
 Sample : N5989-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:27:26 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)

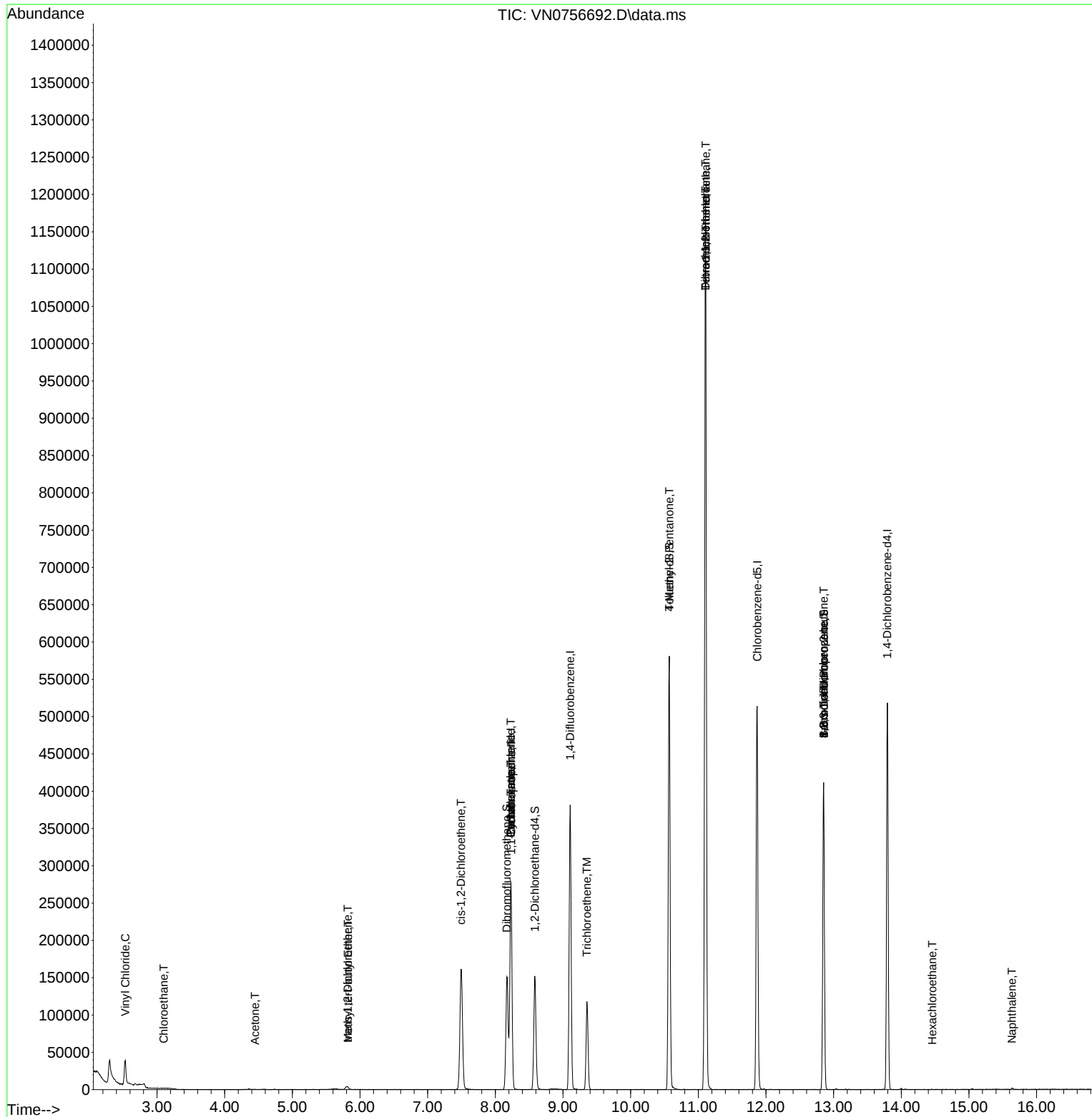
Internal Standards						
1) Pentafluorobenzene	8.230	168	216287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	356309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	325893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	120945	52.703	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.400%	
35) Dibromofluoromethane	8.171	113	108820	50.058	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.120%	
50) Toluene-d8	10.571	98	411964	50.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.920%	
62) 4-Bromofluorobenzene	12.853	95	138870	49.751	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.500%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.530	62	31003	13.317	ug/l	94
6) Chloroethane	3.100	64	693	0.399	ug/l #	43
16) Acetone	4.447	43	256	0.329	ug/l #	41
19) Methyl tert-butyl Ether	5.824	73	3670	0.589	ug/l #	86
21) trans-1,2-Dichloroethene	5.818	96	1269	0.613	ug/l #	44
27) cis-1,2-Dichloroethene	7.494	96	106501	42.367	ug/l	91
31) Cyclohexane	8.230	56	3748	1.103	ug/l #	17
36) 1,1-Dichloropropene	8.235	75	14759	5.113	ug/l #	48
38) Carbon Tetrachloride	8.230	117	21675	6.507	ug/l #	15
44) Trichloroethene	9.353	130	43430	17.378	ug/l	97
51) 4-Methyl-2-Pentanone	10.571	43	1604	0.672	ug/l #	1
55) 1,1,2-Trichloroethane	11.112	97	2125	0.923	ug/l #	1
60) Dibromochloromethane	11.106	129	260179	102.701	ug/l #	11
64) Tetrachloroethene	11.106	164	278846	117.468	ug/l	96
71) Bromoform	12.853	173	1156	0.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	69550	23.308	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	69550	74.546	ug/l #	13
90) Hexachloroethane	14.459	117	695	0.436	ug/l #	10
95) Naphthalene	15.635	128	2725	0.385	ug/l #	90

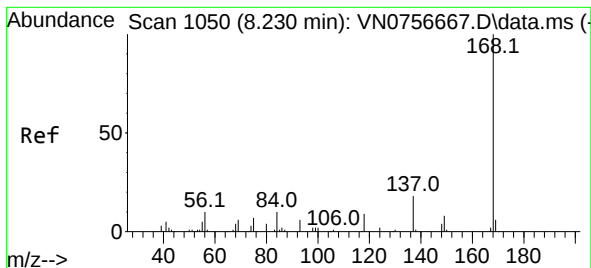
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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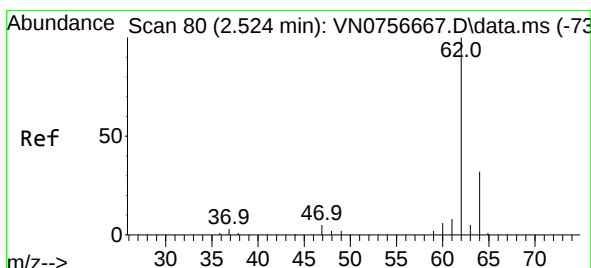
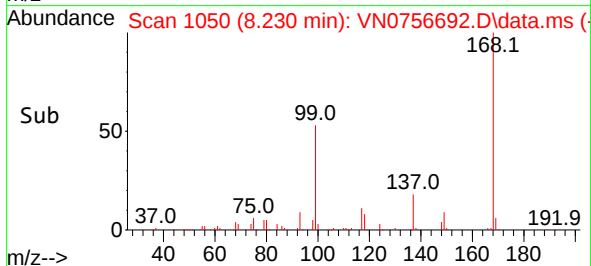
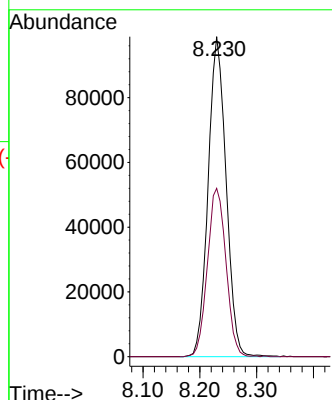
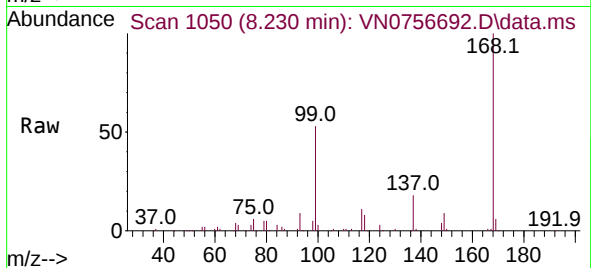




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

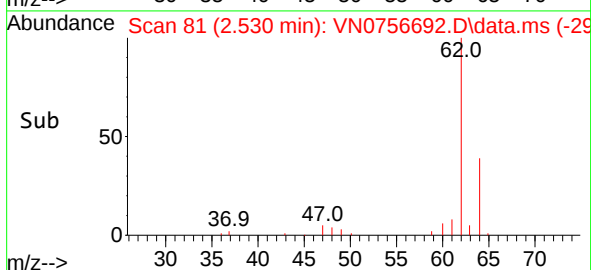
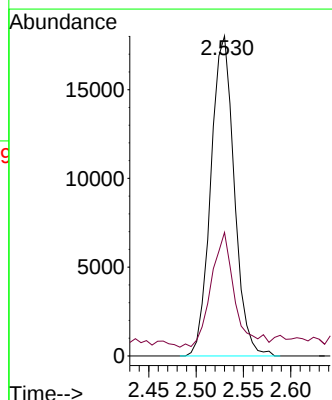
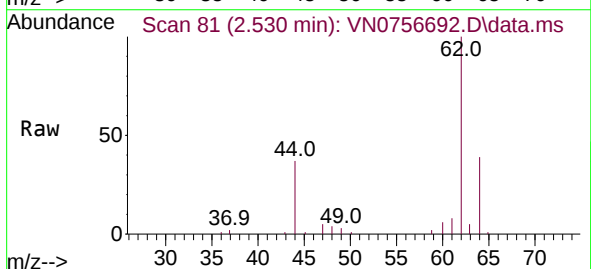
Instrument :
MSVOA_N
ClientSampleId :

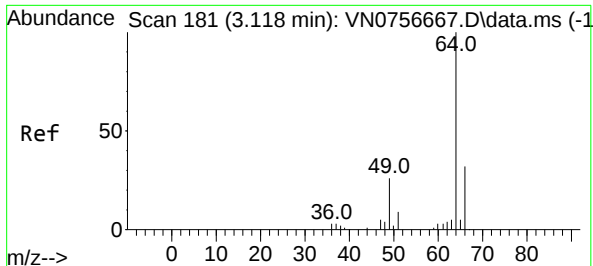
Tgt Ion:168 Resp: 216287
Ion Ratio Lower Upper
168 100
99 52.6 41.2 61.8



#4
Vinyl Chloride
Concen: 13.317 ug/l
RT: 2.530 min Scan# 81
Delta R.T. 0.006 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

Tgt Ion: 62 Resp: 31003
Ion Ratio Lower Upper
62 100
64 35.9 25.9 38.9

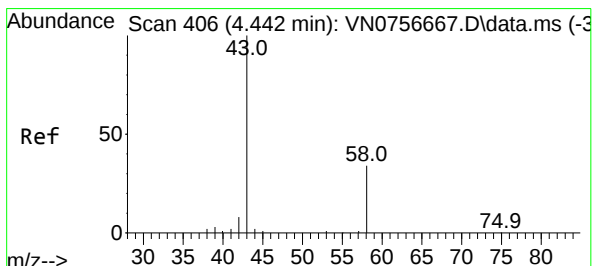
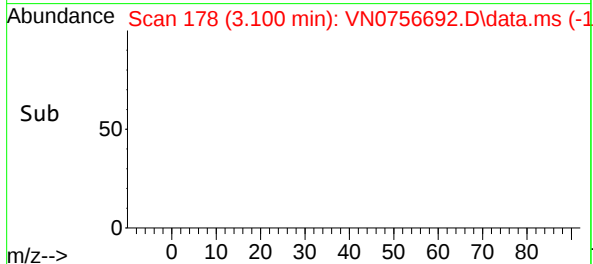
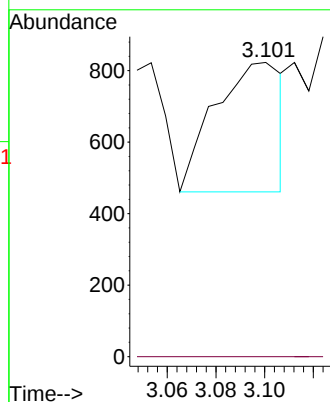
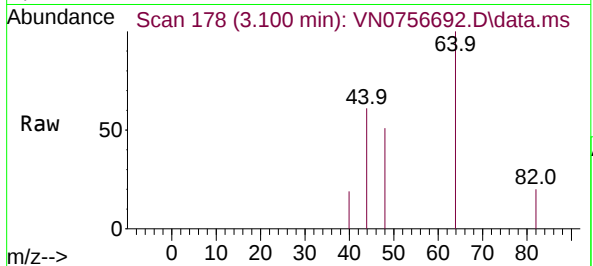




#6
Chloroethane
Concen: 0.399 ug/l
RT: 3.100 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

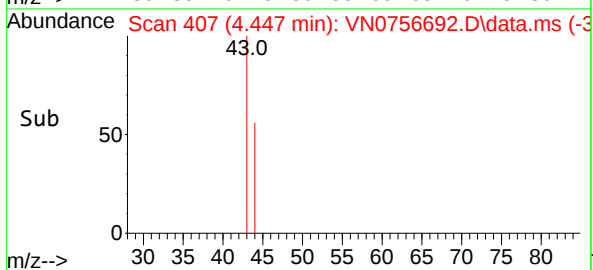
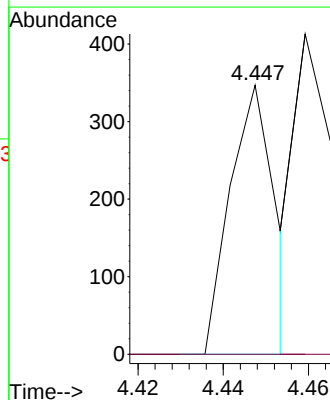
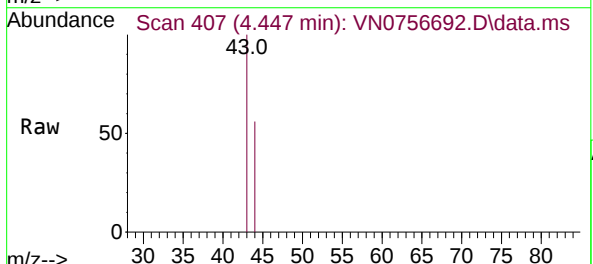
Instrument :
MSVOA_N
ClientSampleId :

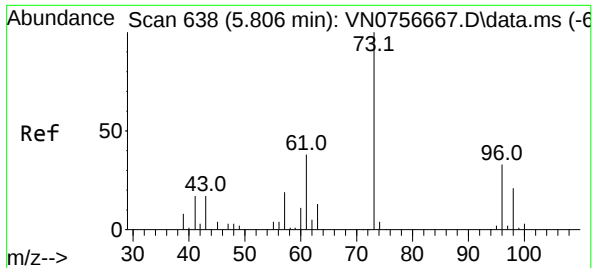
Tgt Ion: 64 Resp: 693
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#16
Acetone
Concen: 0.329 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#





#19

Methyl tert-butyl Ether

Concen: 0.589 ug/l

RT: 5.824 min Scan# 641

Delta R.T. 0.018 min

Lab File: VN0756692.D

Acq: 10 Dec 2022 05:58

Instrument :

MSVOA_N

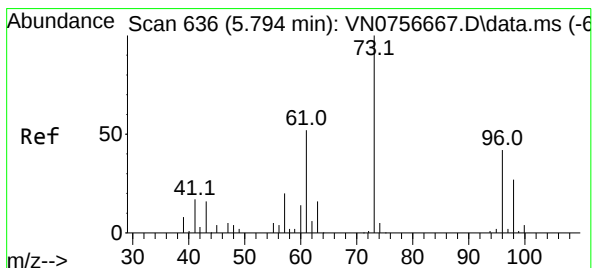
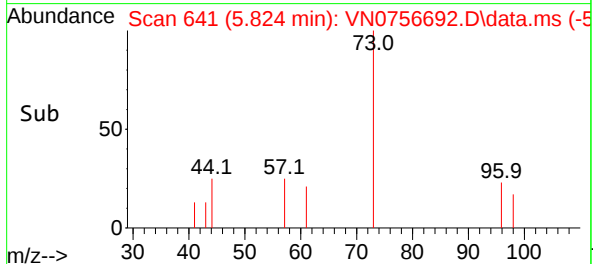
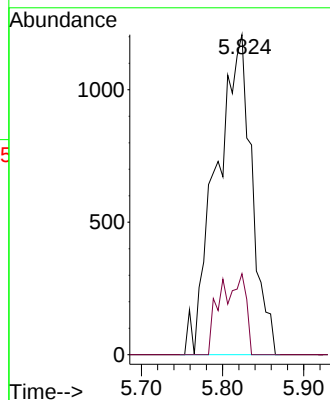
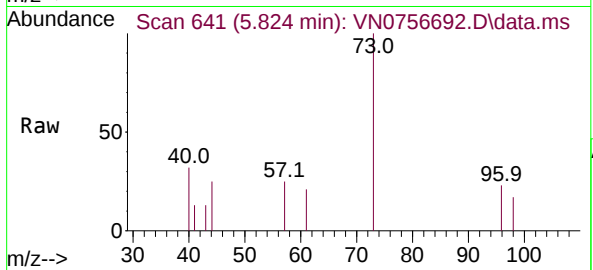
ClientSampleId :

Tgt Ion: 73 Resp: 3670

Ion Ratio Lower Upper

73 100

57 25.3 15.1 22.7#



#21

trans-1,2-Dichloroethene

Concen: 0.613 ug/l

RT: 5.818 min Scan# 640

Delta R.T. 0.024 min

Lab File: VN0756692.D

Acq: 10 Dec 2022 05:58

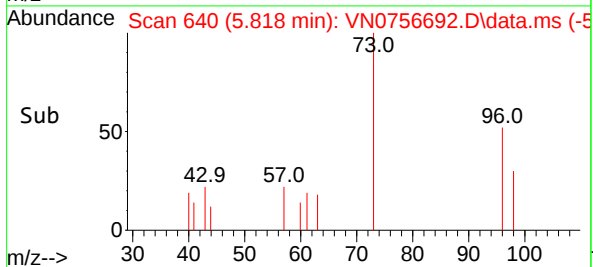
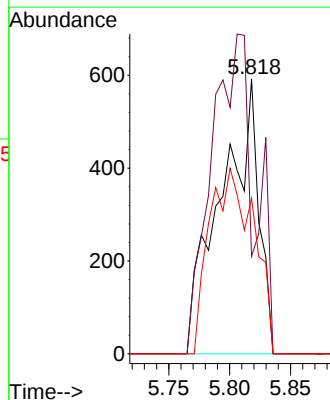
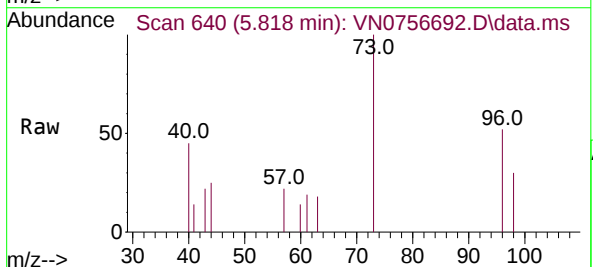
Tgt Ion: 96 Resp: 1269

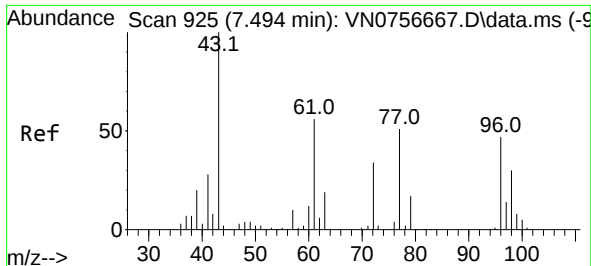
Ion Ratio Lower Upper

96 100

61 35.5 100.5 150.7#

98 56.6 52.7 79.1





#27

cis-1,2-Dichloroethene

Concen: 42.367 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN0756692.D

Acq: 10 Dec 2022 05:58

Instrument :

MSVOA_N

ClientSampleId :

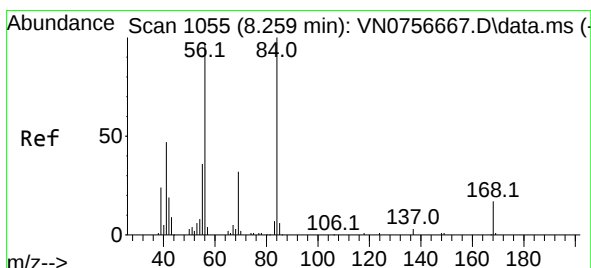
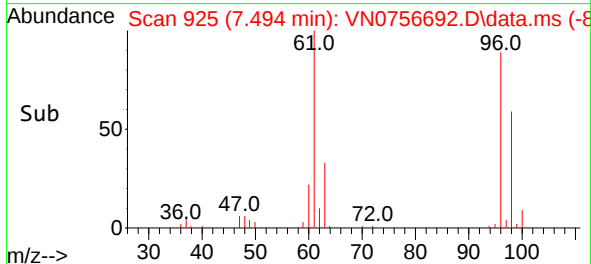
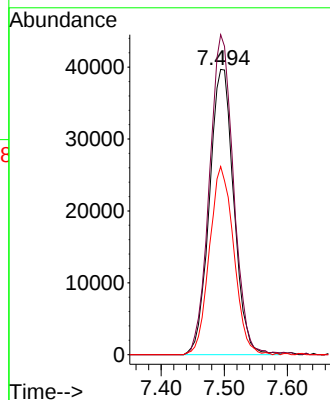
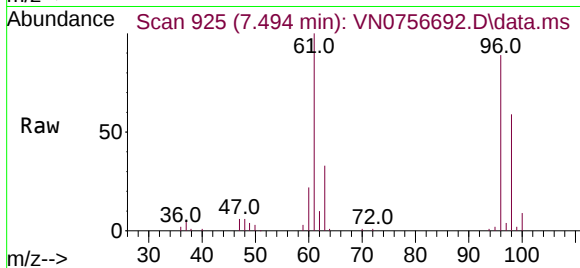
Tgt Ion: 96 Resp: 106501

Ion Ratio Lower Upper

96 100

61 110.7 0.0 247.8

98 65.6 0.0 126.0



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN0756692.D

Acq: 10 Dec 2022 05:58

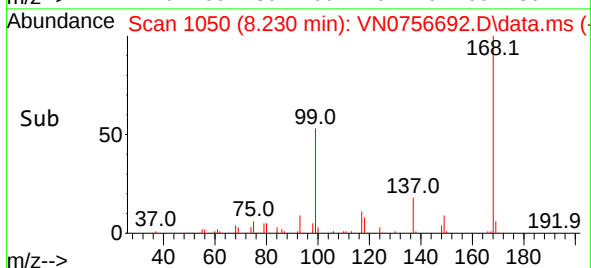
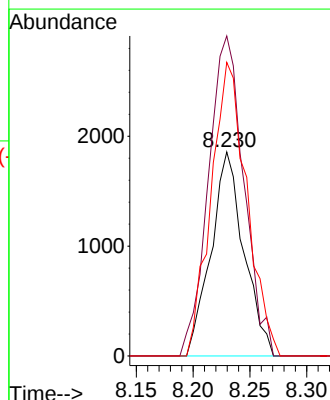
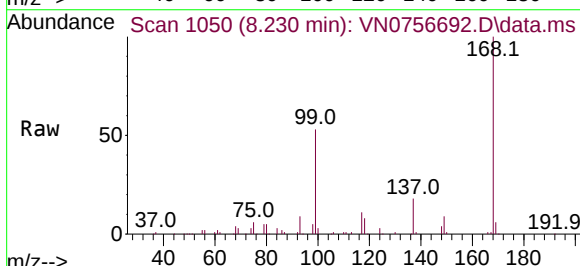
Tgt Ion: 56 Resp: 3748

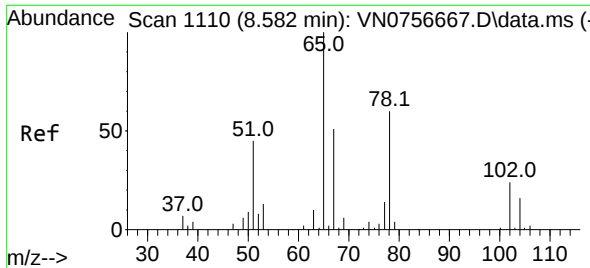
Ion Ratio Lower Upper

56 100

69 156.9 26.2 39.2#

84 143.9 82.8 124.2#

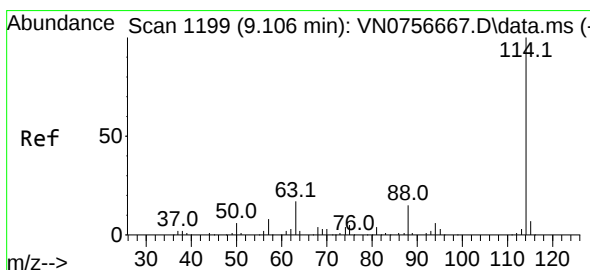
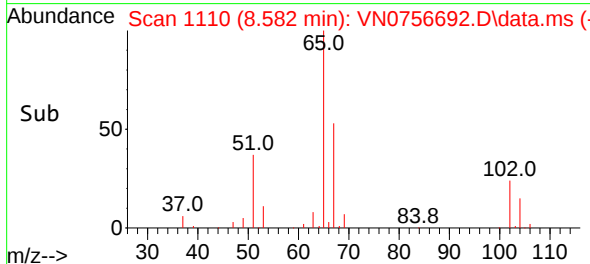
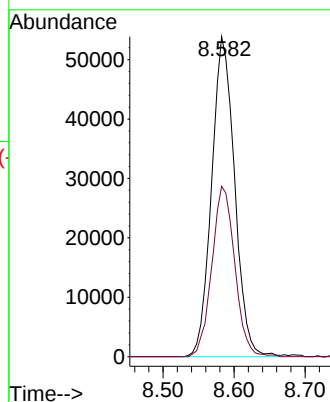
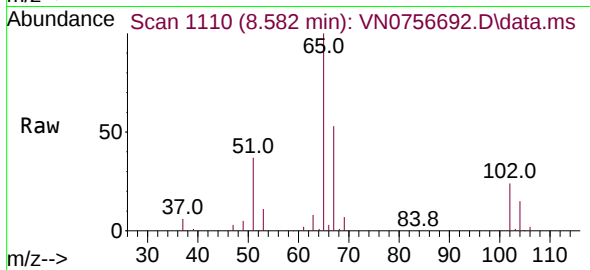




#33
 1,2-Dichloroethane-d4
 Concen: 52.703 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN0756692.D
 Acq: 10 Dec 2022 05:58

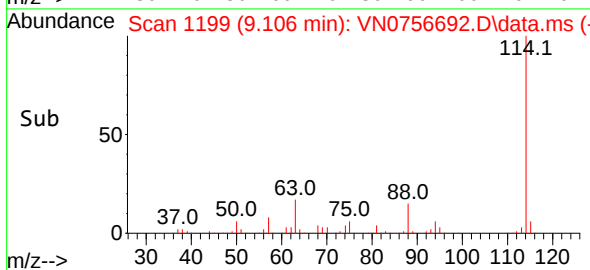
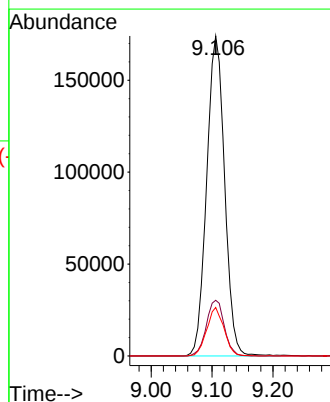
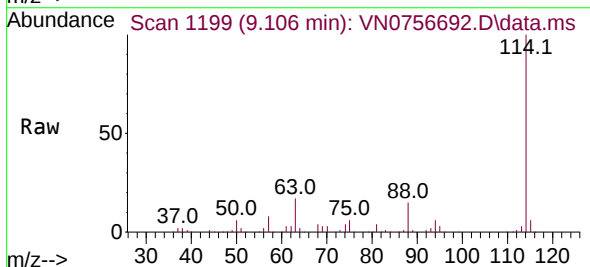
Instrument :
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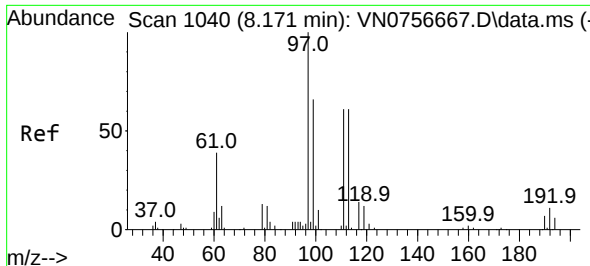
Tgt Ion: 65 Resp: 120945
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN0756692.D
 Acq: 10 Dec 2022 05:58

Tgt Ion: 114 Resp: 356309
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.4
 88 15.2 0.0 29.2

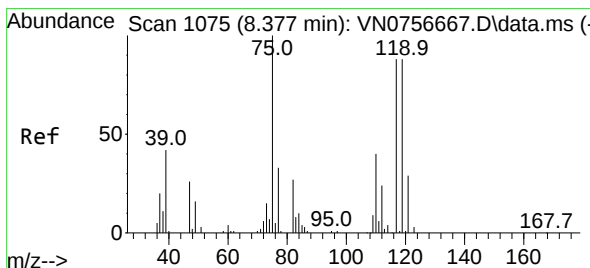
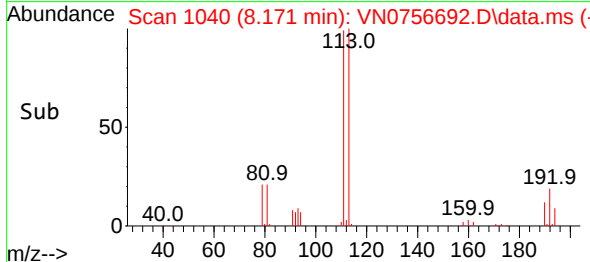
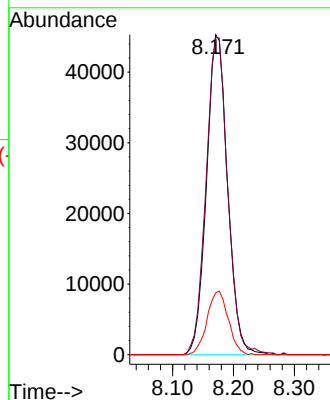
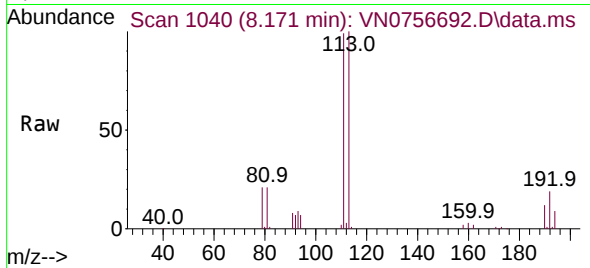




#35
Dibromofluoromethane
Concen: 50.058 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

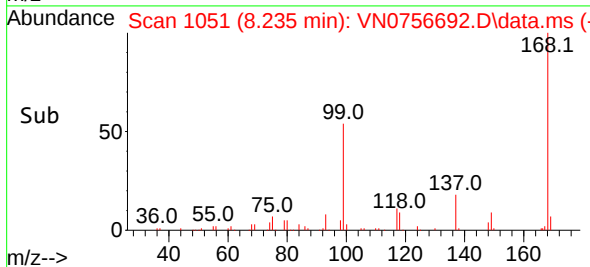
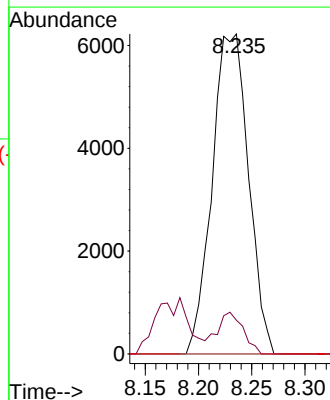
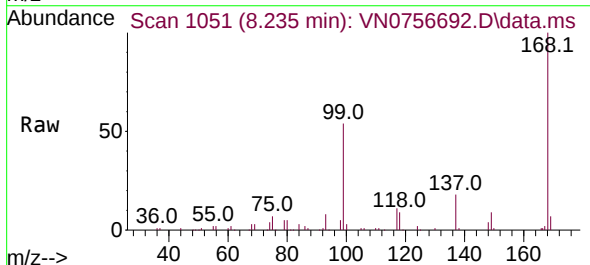
Instrument :
MSVOA_N
ClientSampleId :

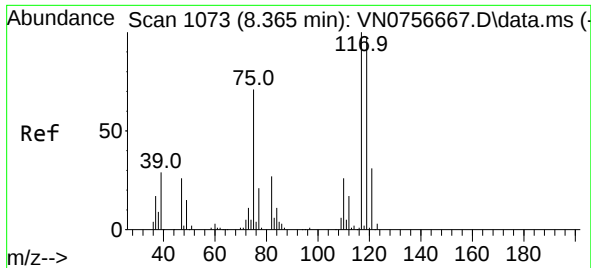
Tgt Ion:113 Resp: 108820
Ion Ratio Lower Upper
113 100
111 102.2 81.0 121.6
192 20.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.113 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

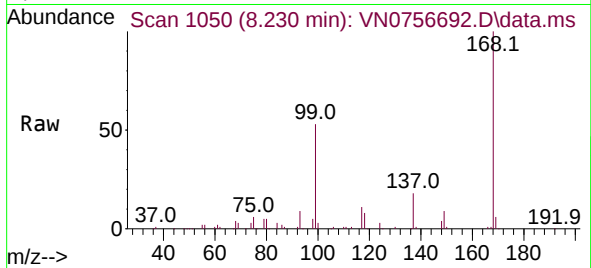
Tgt Ion: 75 Resp: 14759
Ion Ratio Lower Upper
75 100
110 9.3 18.9 56.9#
77 0.0 25.4 38.2#



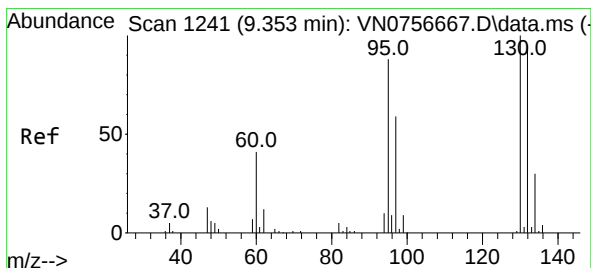
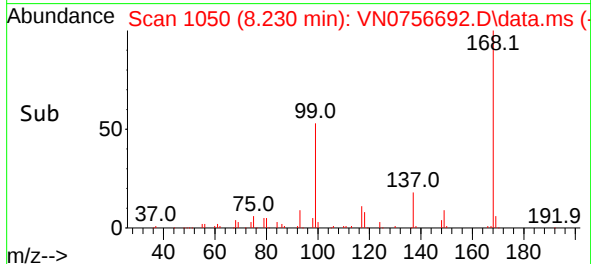
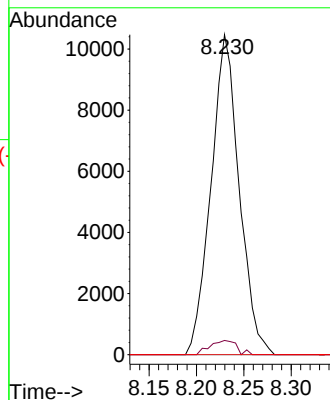


#38
Carbon Tetrachloride
Concen: 6.507 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

Instrument :
MSVOA_N
ClientSampleId :

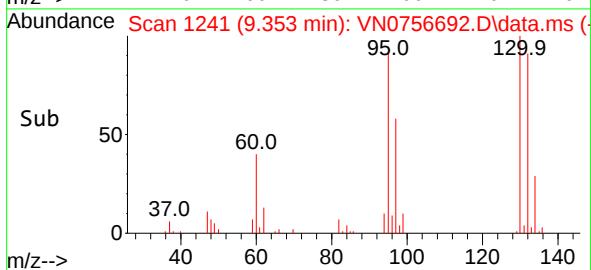
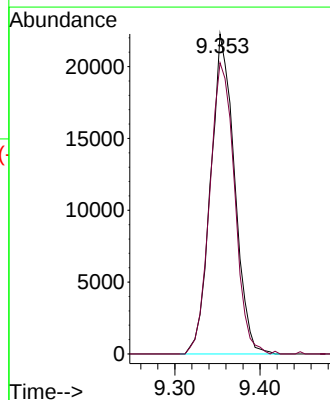
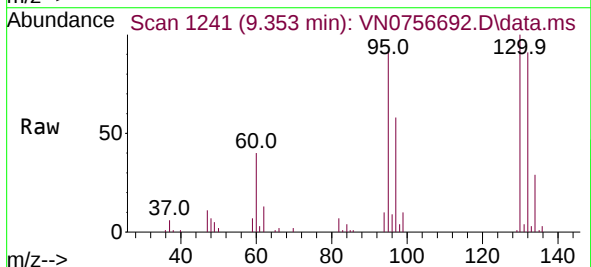


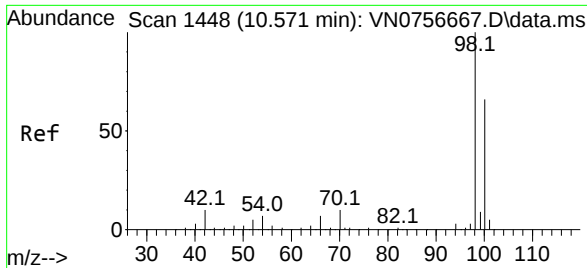
Tgt Ion:117 Resp: 21675
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 17.378 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

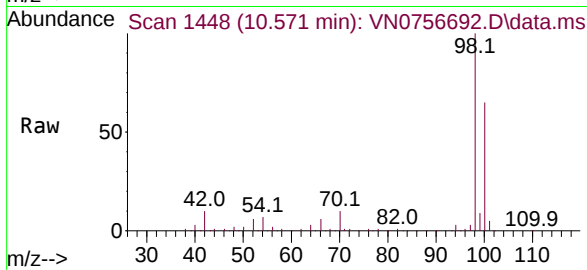
Tgt Ion:130 Resp: 43430
Ion Ratio Lower Upper
130 100
95 91.0 0.0 176.8



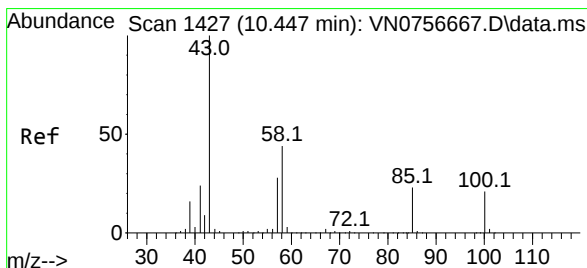
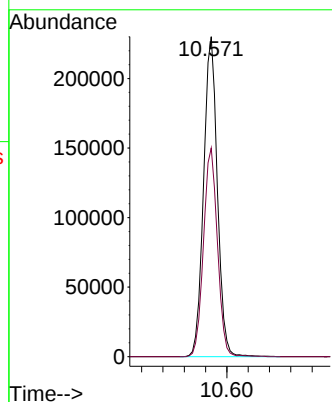
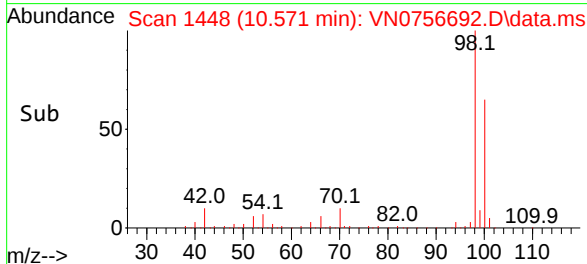


#50
Toluene-d8
Concen: 50.461 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

Instrument :
MSVOA_N
ClientSampleId :

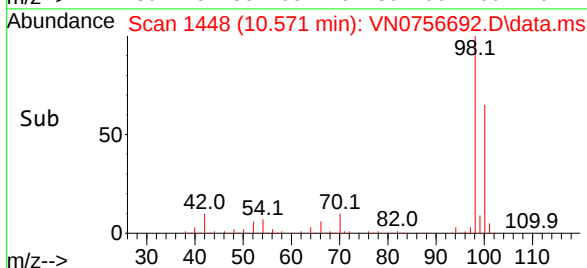
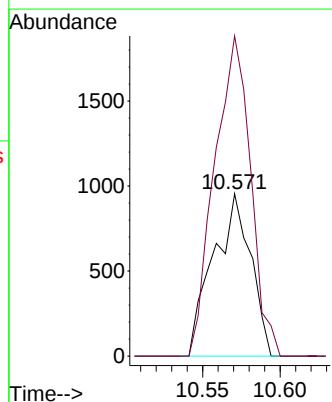
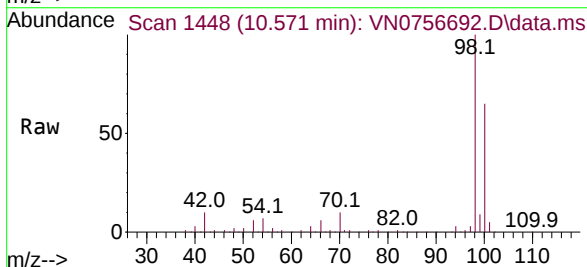


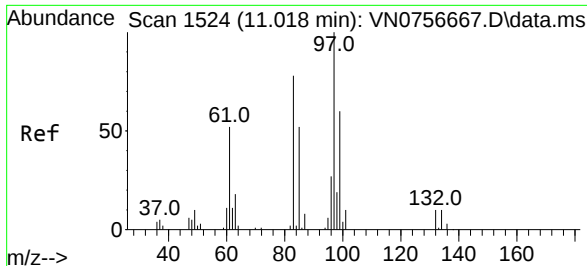
Tgt Ion: 98 Resp: 411964
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.672 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
58 189.4 35.0 52.6#





#55

1,1,2-Trichloroethane

Concen: 0.923 ug/l

RT: 11.112 min Scan# 1

Delta R.T. 0.094 min

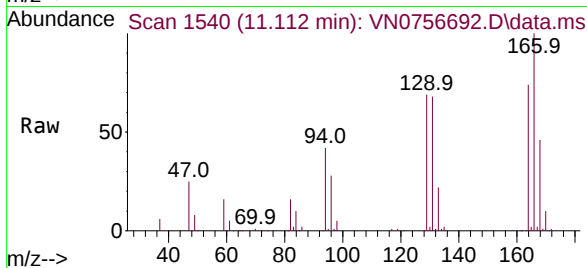
Lab File: VN0756692.D

Acq: 10 Dec 2022 05:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 2125

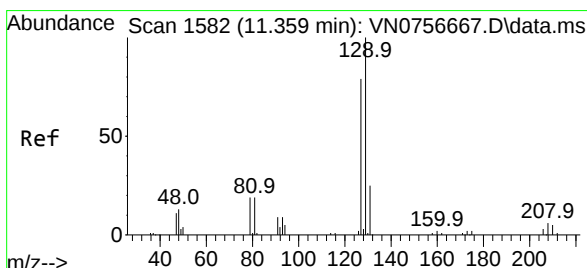
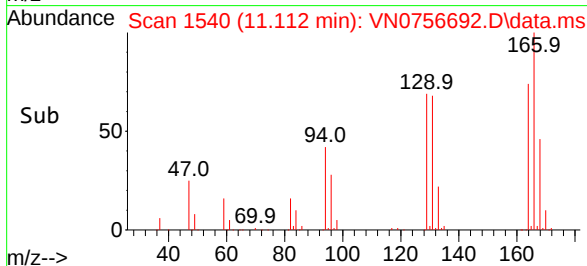
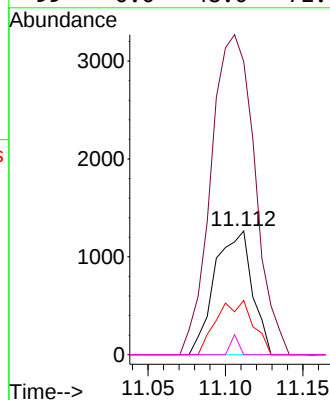
Ion Ratio Lower Upper

97 100

83 237.0 62.7 94.1#

85 43.9 41.8 62.6

99 0.0 48.0 72.0#



#60

Dibromochloromethane

Concen: 102.701 ug/l

RT: 11.106 min Scan# 1539

Delta R.T. -0.253 min

Lab File: VN0756692.D

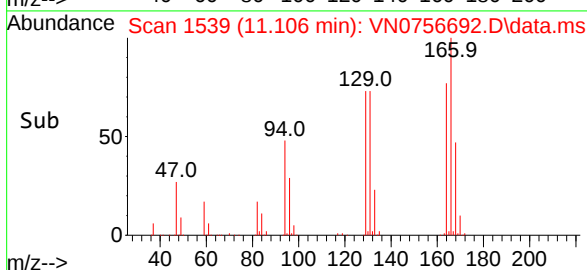
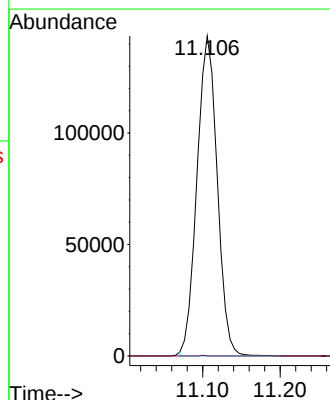
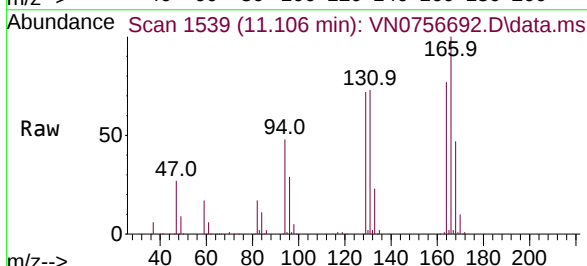
Acq: 10 Dec 2022 05:58

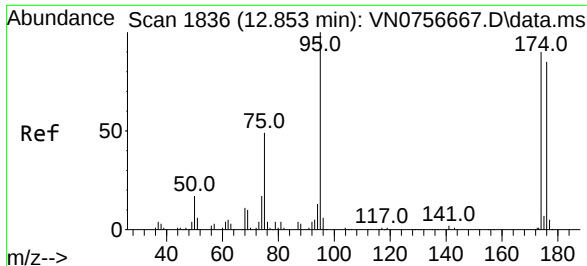
Tgt Ion: 129 Resp: 260179

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

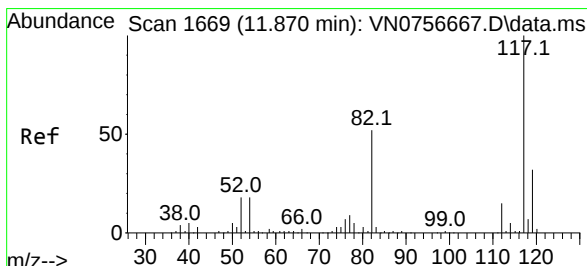
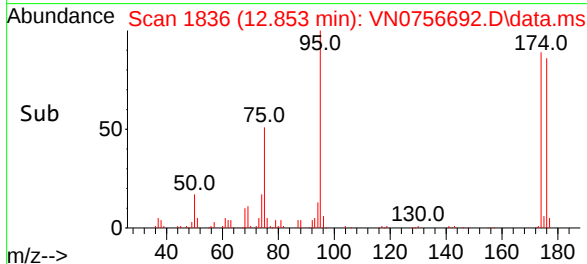
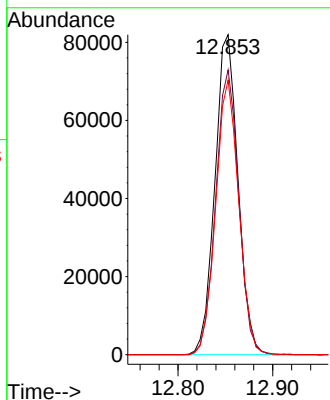
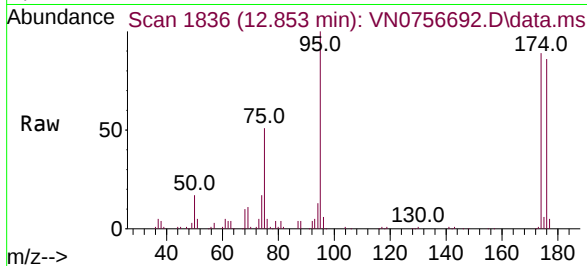




#62
4-Bromofluorobenzene
Concen: 49.751 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

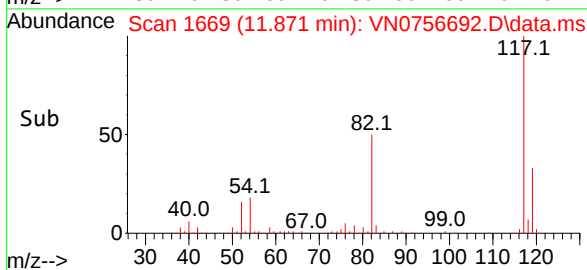
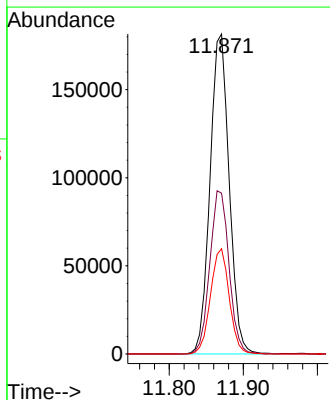
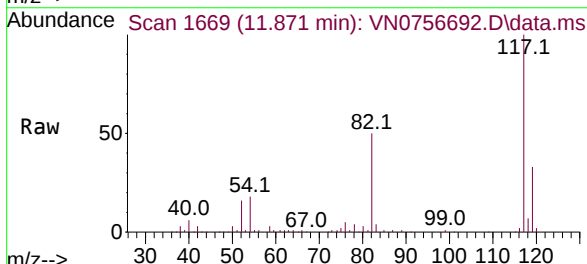
Instrument :
MSVOA_N
ClientSampleId :

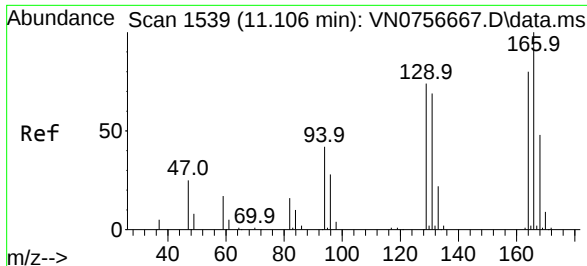
Tgt Ion: 95 Resp: 138870
Ion Ratio Lower Upper
95 100
174 88.6 0.0 178.6
176 85.4 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

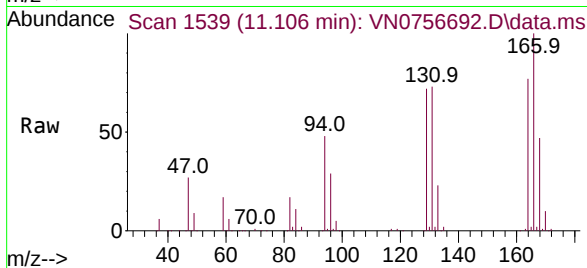
Tgt Ion: 117 Resp: 325893
Ion Ratio Lower Upper
117 100
82 50.2 41.8 62.8
119 32.9 25.8 38.6



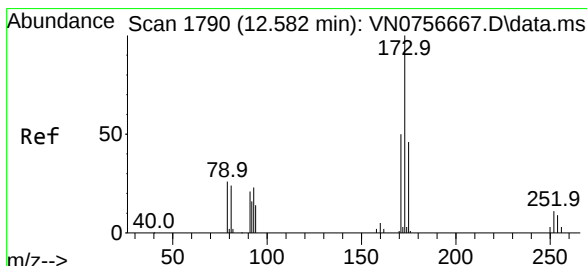
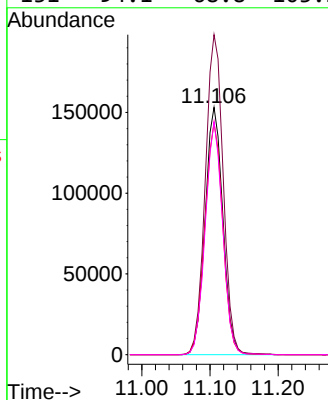
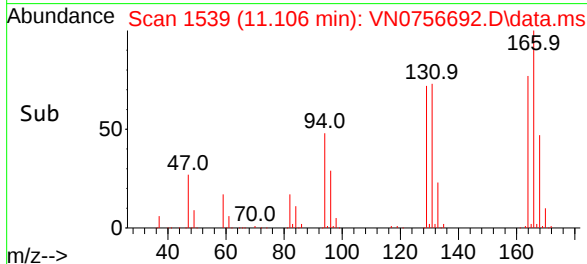


#64
Tetrachloroethene
Concen: 117.468 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

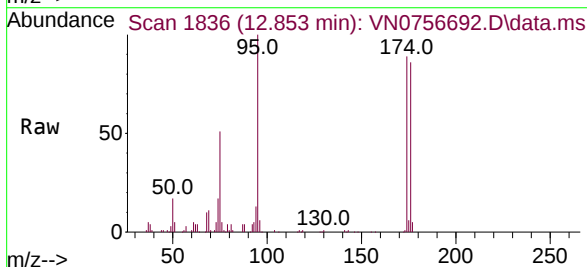
Instrument :
MSVOA_N
ClientSampleId :



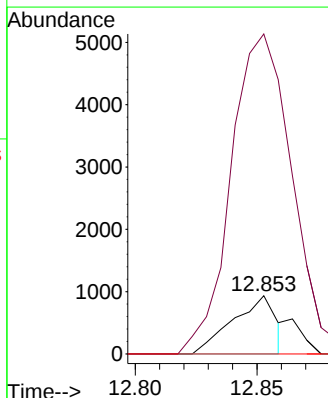
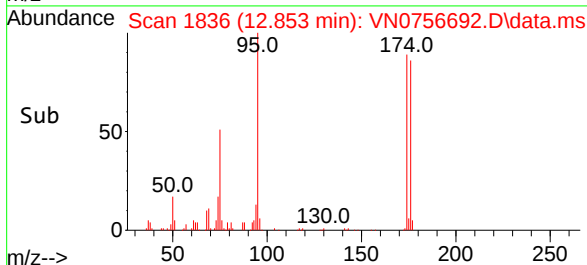
Tgt Ion:164 Resp: 278846
Ion Ratio Lower Upper
164 100
166 129.4 100.3 150.5
129 93.7 73.9 110.9
131 94.1 68.8 103.2

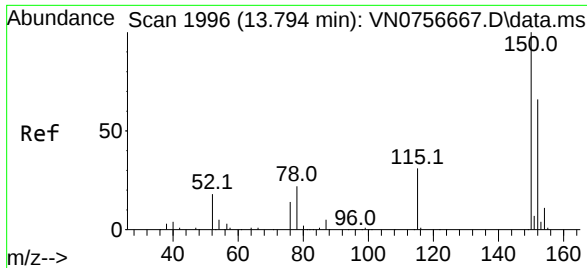


#71
Bromoform
Concen: 0.625 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58



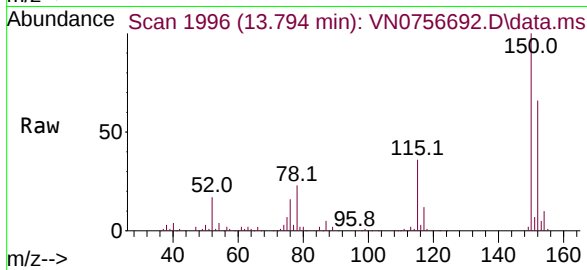
Tgt Ion:173 Resp: 1156
Ion Ratio Lower Upper
173 100
175 619.6 23.8 71.2#
254 0.0 0.0 0.0



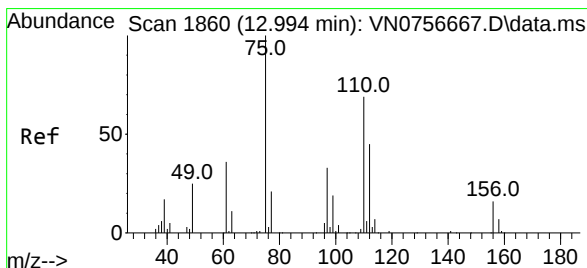
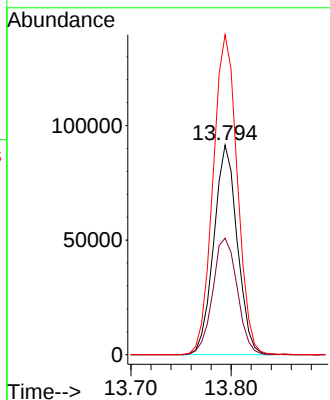
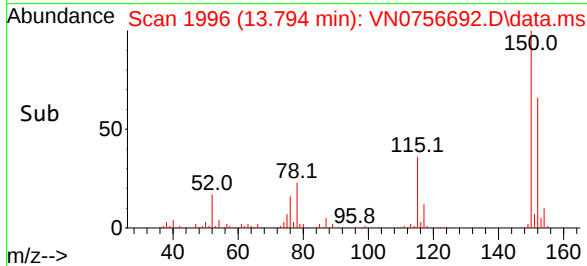


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN0756692.D
 Acq: 10 Dec 2022 05:58

Instrument :
 MSVOA_N
 ClientSampleId :

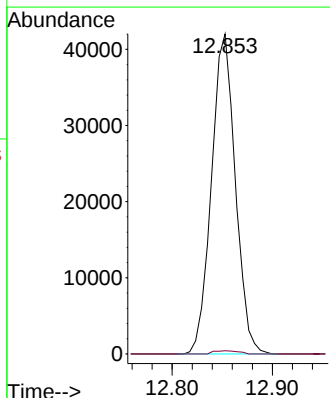
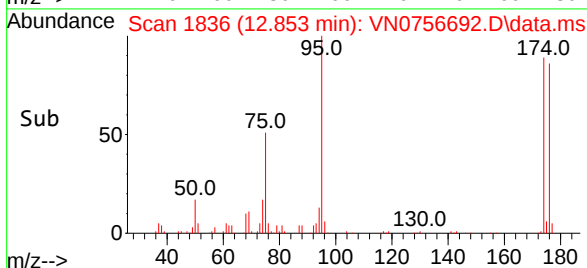
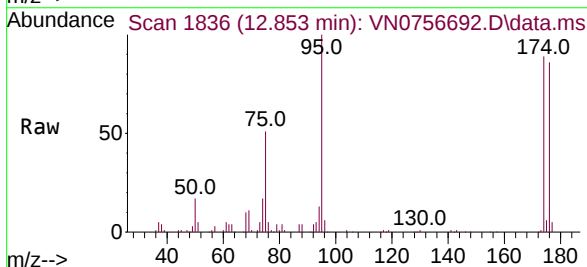


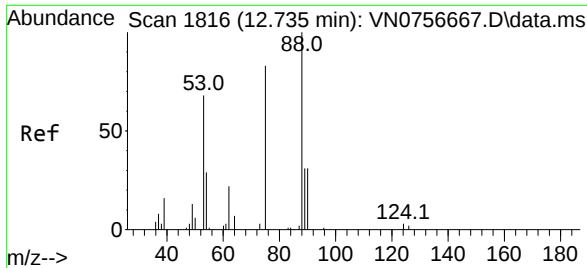
Tgt Ion:152 Resp: 148585
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.4 85.2
 150 157.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.308 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN0756692.D
 Acq: 10 Dec 2022 05:58

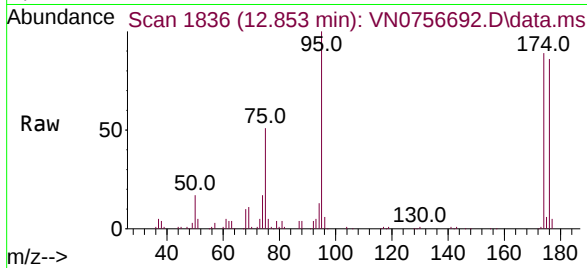
Tgt Ion: 75 Resp: 69550
 Ion Ratio Lower Upper
 75 100
 77 1.0 81.8 245.4#



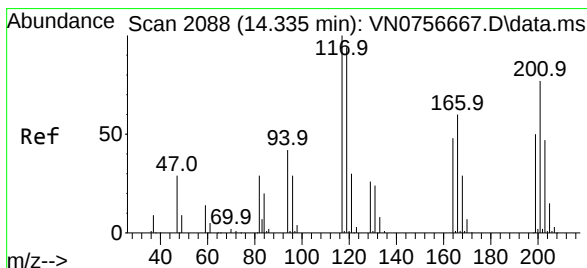
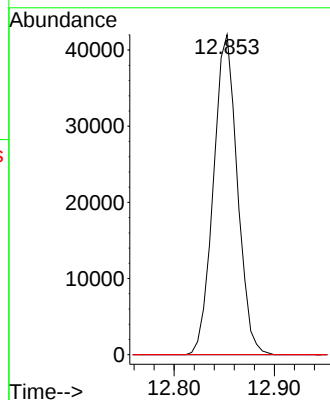
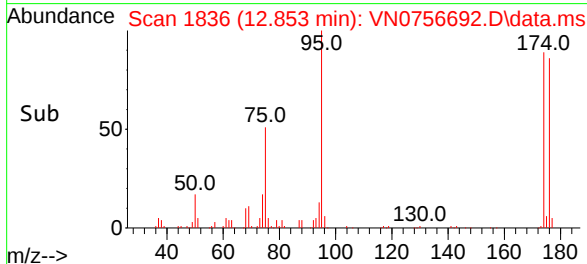


#81
trans-1,4-Dichloro-2-butene
Concen: 74.546 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

Instrument :
MSVOA_N
ClientSampleId :

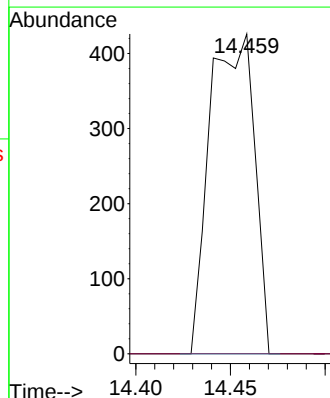
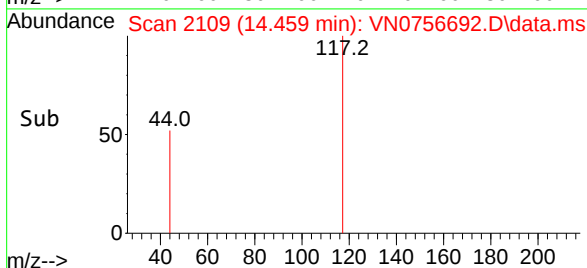
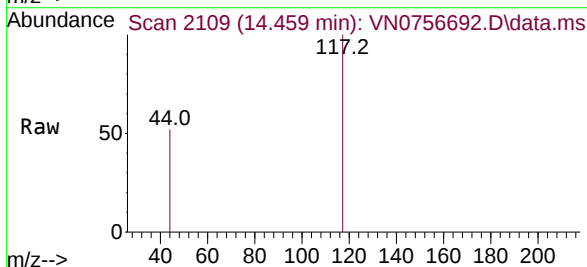


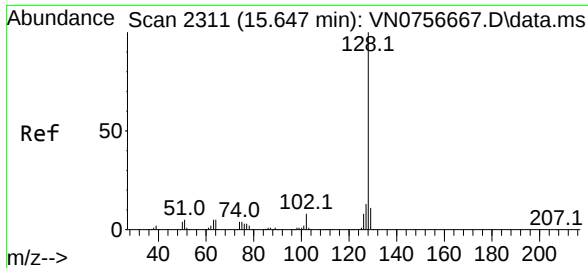
Tgt Ion: 75 Resp: 69550
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#



#90
Hexachloroethane
Concen: 0.436 ug/l
RT: 14.459 min Scan# 2109
Delta R.T. 0.124 min
Lab File: VN0756692.D
Acq: 10 Dec 2022 05:58

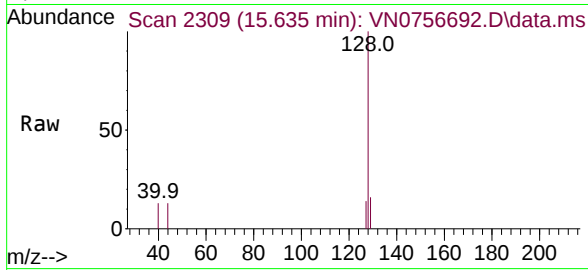
Tgt Ion: 117 Resp: 695
Ion Ratio Lower Upper
117 100
201 0.0 39.2 117.6#





#95
 Naphthalene
 Concen: 0.385 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN0756692.D
 Acq: 10 Dec 2022 05:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	2725
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	2.6	8.4	12.6#

