

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756671.D
 Acq On : 09 Dec 2022 16:55
 Operator : JC\MD
 Sample : VN1209WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 03:09:12 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)

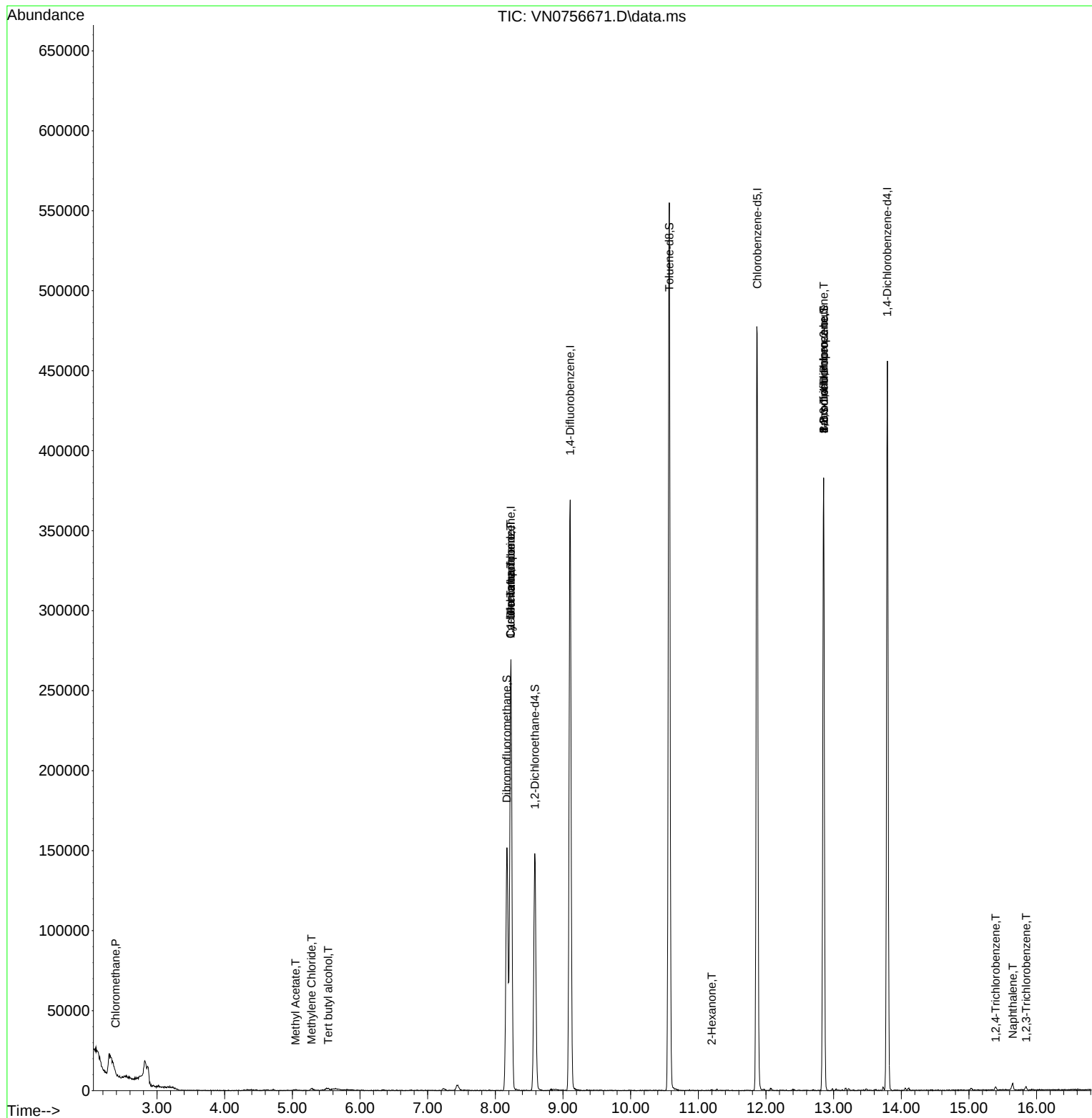
Internal Standards						
1) Pentafluorobenzene	8.230	168	213261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	304540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118911	52.551	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.100%	
35) Dibromofluoromethane	8.171	113	107767	50.157	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.320%	
50) Toluene-d8	10.571	98	402450	49.876	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.853	95	126809	45.965	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	402	0.215	ug/l #	40
11) Tert butyl alcohol	5.530	59	179	0.535	ug/l #	72
18) Methyl Acetate	5.048	43	939	0.381	ug/l #	44
20) Methylene Chloride	5.283	84	1321	0.578	ug/l #	63
31) Cyclohexane	8.224	56	4132	1.233	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	14916	5.228	ug/l #	48
38) Carbon Tetrachloride	8.224	117	20662	6.276	ug/l #	16
59) 2-Hexanone	11.200	43	496	0.290	ug/l #	53
71) Bromoform	12.853	173	991	0.573	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	64125	24.285	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64125	77.557	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.394	180	1091	0.514	ug/l #	85
95) Naphthalene	15.647	128	5058	0.807	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1042	0.500	ug/l	85

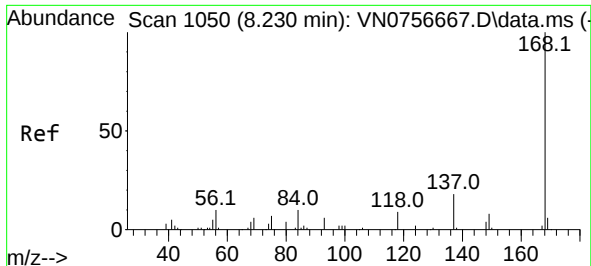
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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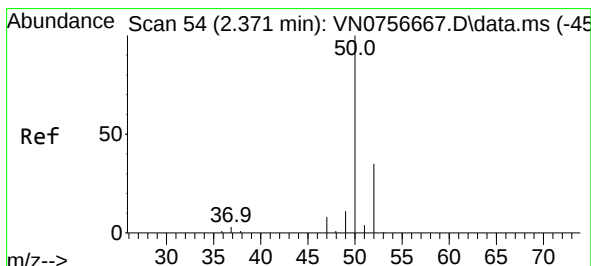
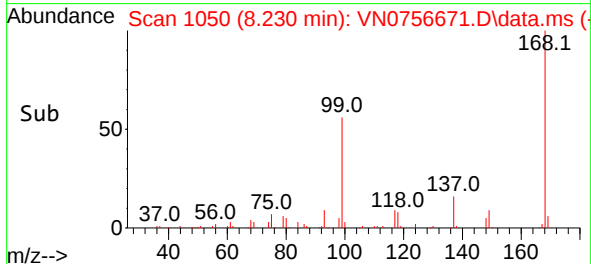
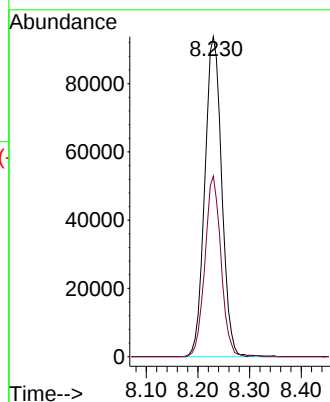
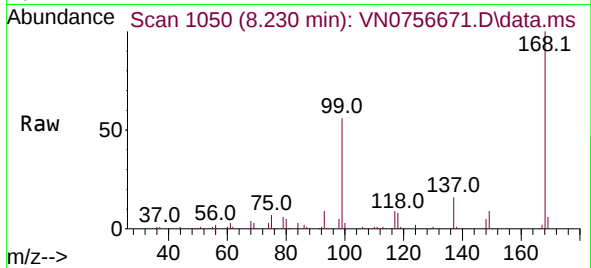




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

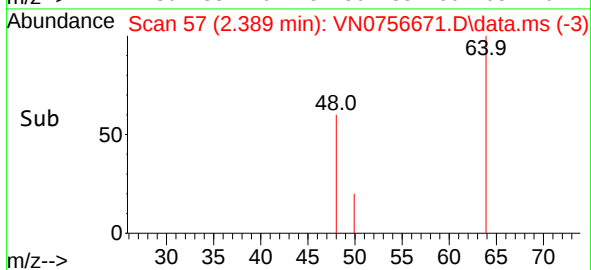
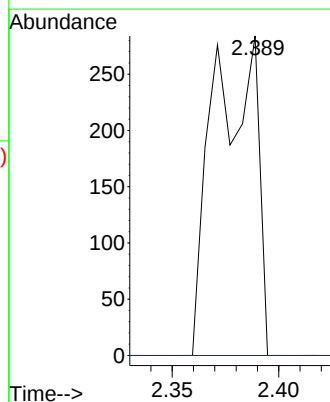
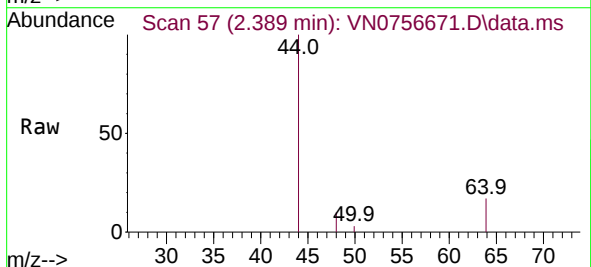
Instrument :
MSVOA_N
ClientSampleId :

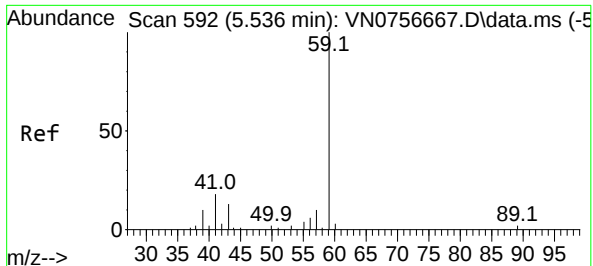
Tgt Ion:168 Resp: 213261
Ion Ratio Lower Upper
168 100
99 56.5 41.2 61.8



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.018 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#





#11

Tert butyl alcohol

Concen: 0.535 ug/l

RT: 5.530 min Scan# 59

Delta R.T. -0.006 min

Lab File: VN0756671.D

Acq: 09 Dec 2022 16:55

Instrument :

MSVOA_N

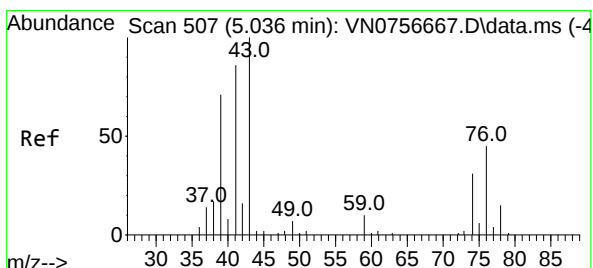
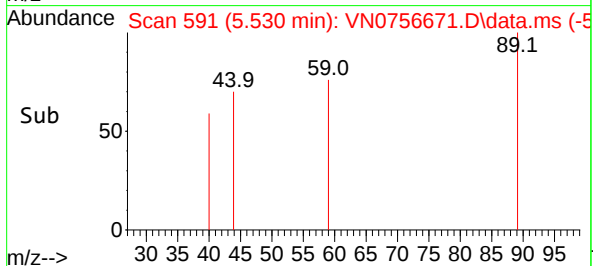
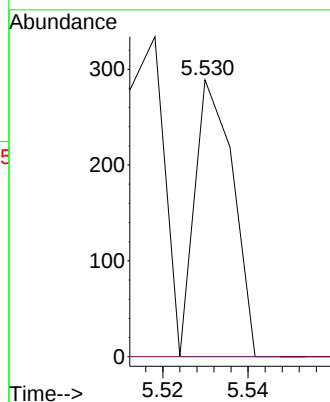
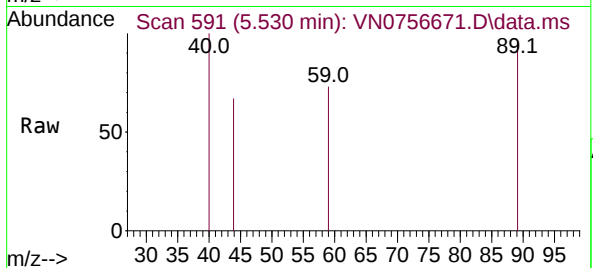
ClientSampleId :

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#18

Methyl Acetate

Concen: 0.381 ug/l

RT: 5.048 min Scan# 509

Delta R.T. 0.012 min

Lab File: VN0756671.D

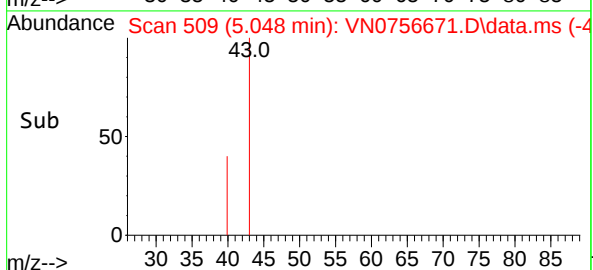
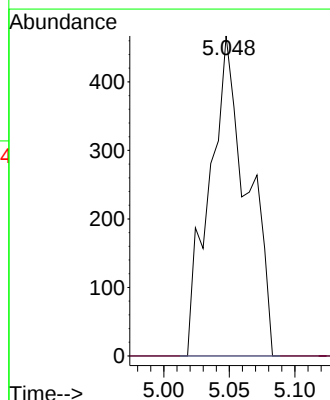
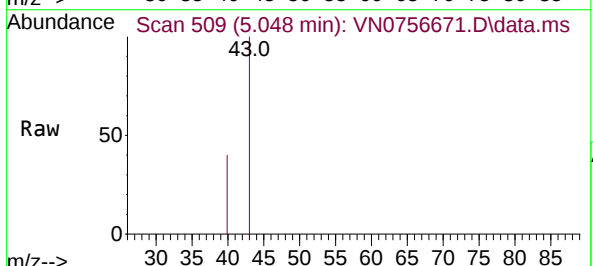
Acq: 09 Dec 2022 16:55

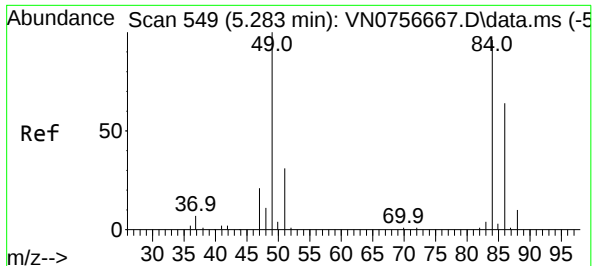
Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

43 100

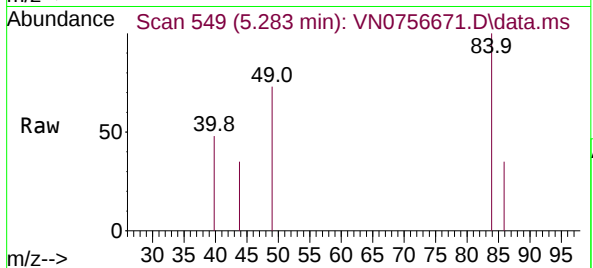
74 0.0 24.5 36.7#



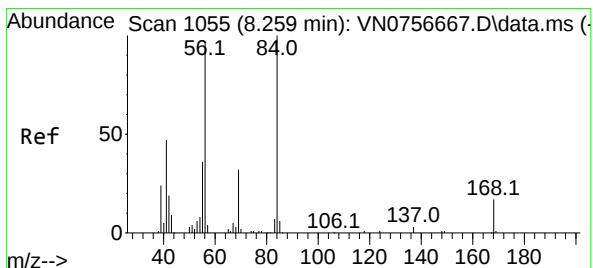
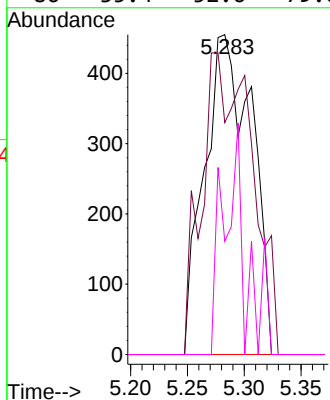


#20
Methylene Chloride
Concen: 0.578 ug/l
RT: 5.283 min Scan# 549
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

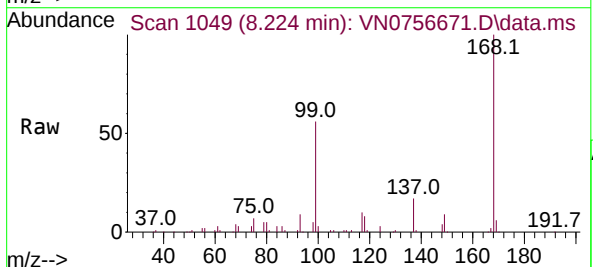
Instrument :
MSVOA_N
ClientSampleId :



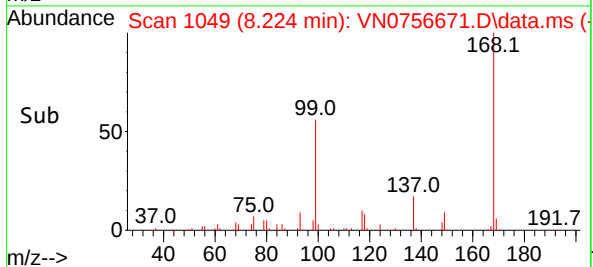
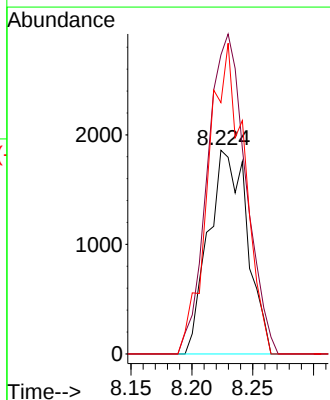
Tgt Ion	Ratio	Lower	Upper
84	100		
49	72.5	83.0	124.4#
51	0.0	26.0	39.0#
86	35.4	52.6	79.0#

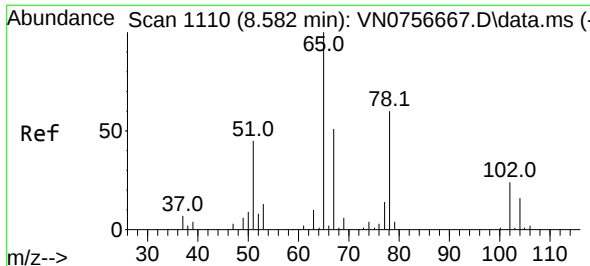


#31
Cyclohexane
Concen: 1.233 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55



Tgt Ion	Ratio	Lower	Upper
56	100		
69	146.8	26.2	39.2#
84	123.4	82.8	124.2





#33

1,2-Dichloroethane-d4

Concen: 52.551 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN0756671.D

Acq: 09 Dec 2022 16:55

Instrument :

MSVOA_N

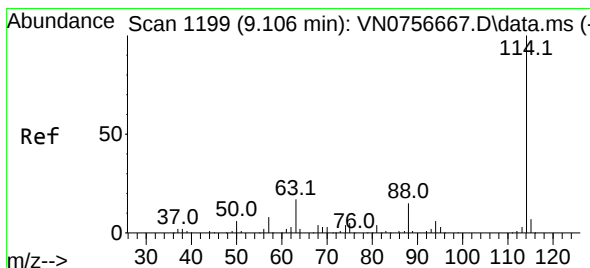
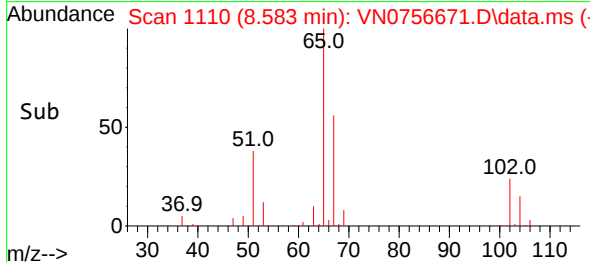
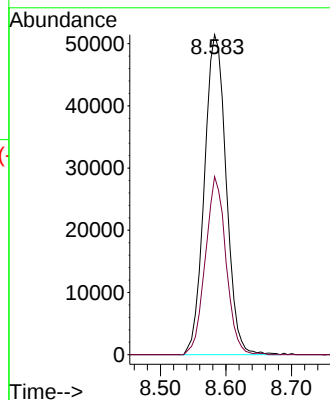
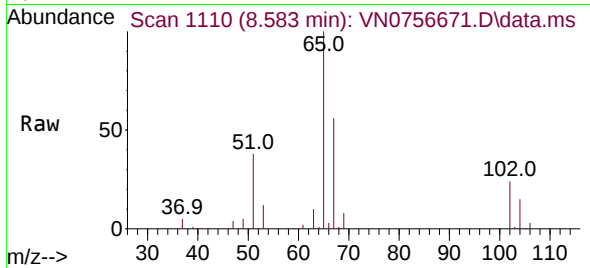
ClientSampleId :

Tgt Ion: 65 Resp: 118911

Ion Ratio Lower Upper

65 100

67 52.7 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: VN0756671.D

Acq: 09 Dec 2022 16:55

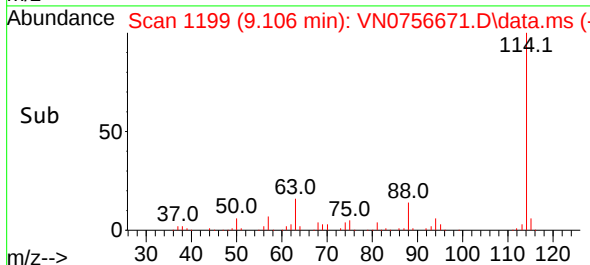
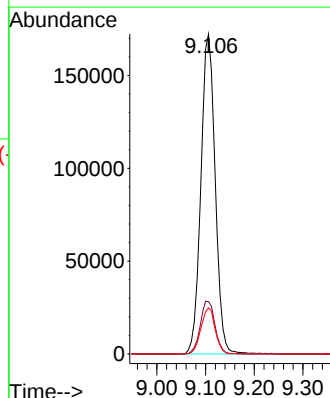
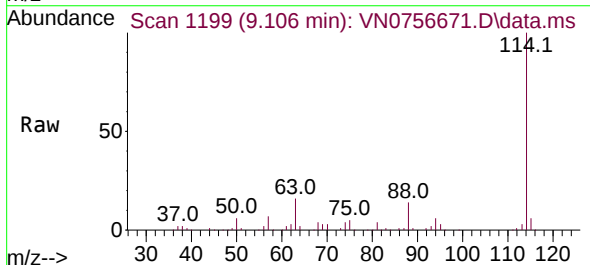
Tgt Ion: 114 Resp: 352165

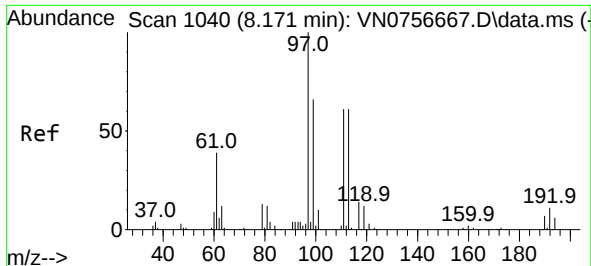
Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.4

88 14.4 0.0 29.2

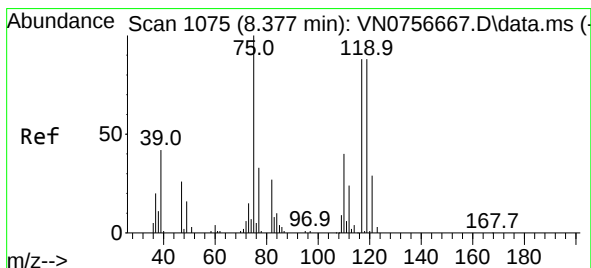
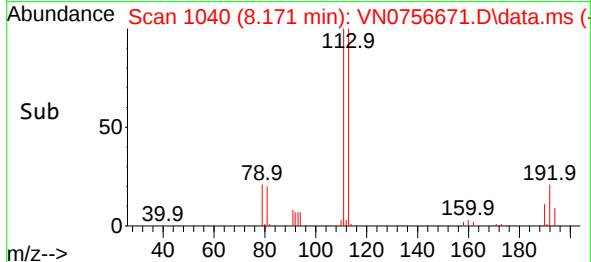
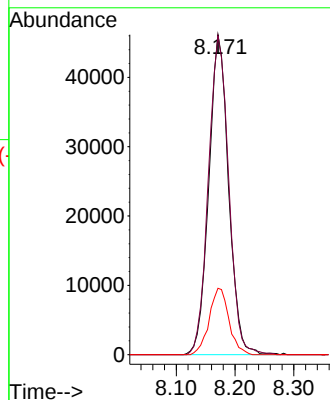
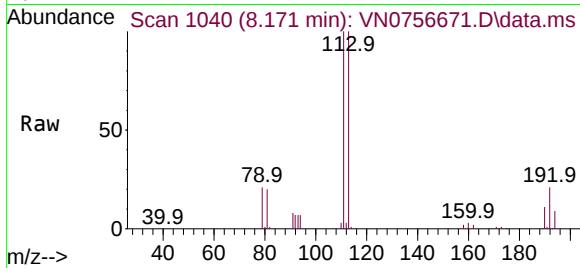




#35
Dibromofluoromethane
Concen: 50.157 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

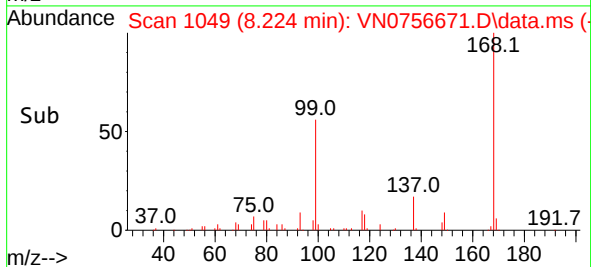
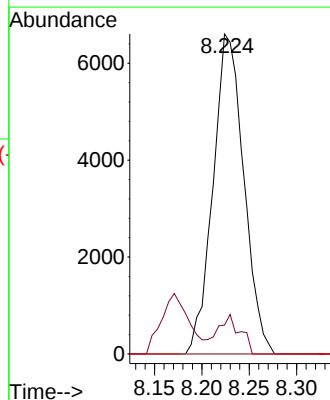
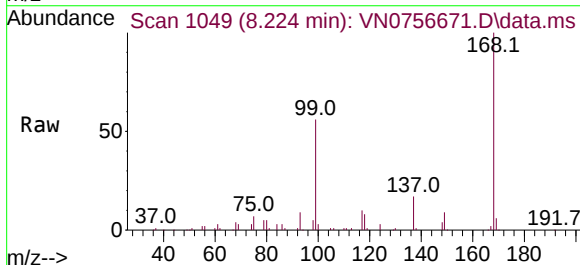
Instrument :
MSVOA_N
ClientSampleId :

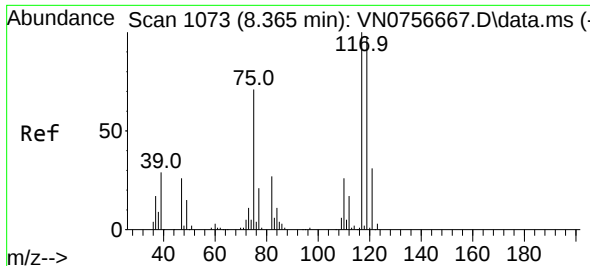
Tgt Ion:113 Resp: 107767
Ion Ratio Lower Upper
113 100
111 102.5 81.0 121.6
192 20.8 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

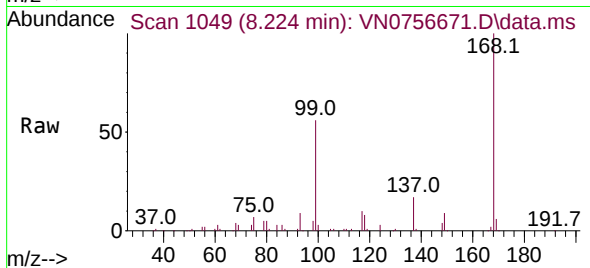
Tgt Ion: 75 Resp: 14916
Ion Ratio Lower Upper
75 100
110 8.7 18.9 56.9#
77 0.0 25.4 38.2#



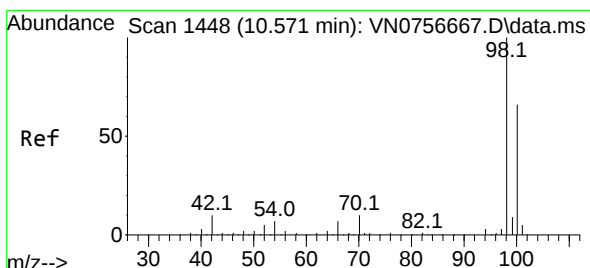
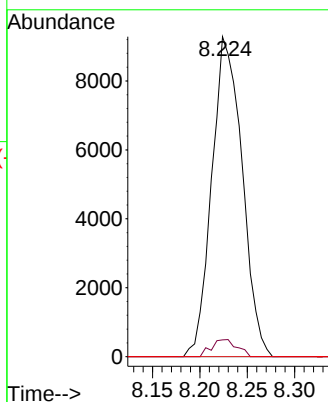
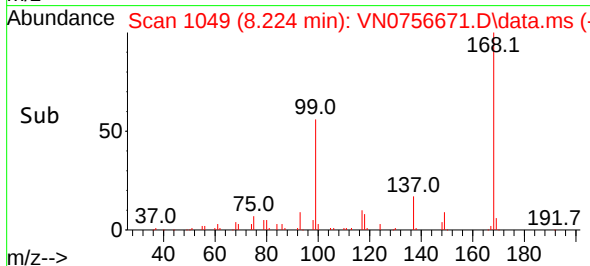


#38
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :

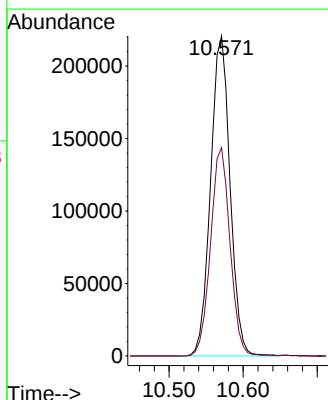
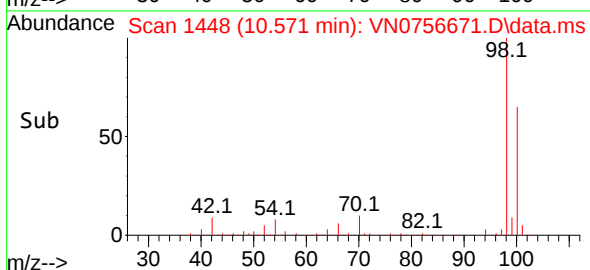
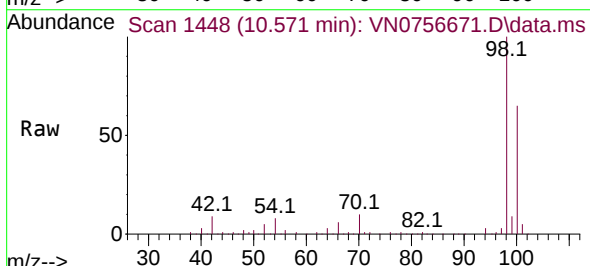


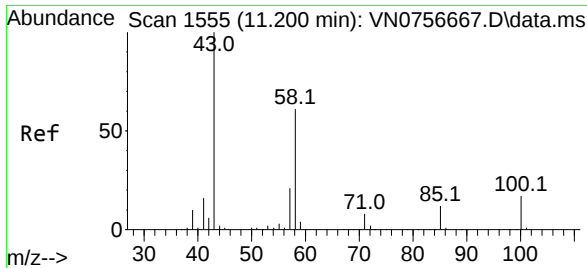
Tgt Ion:117 Resp: 20662
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.876 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

Tgt Ion: 98 Resp: 402450
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

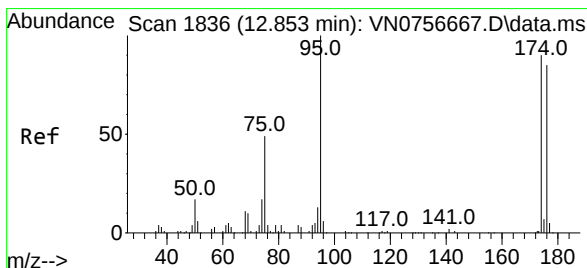
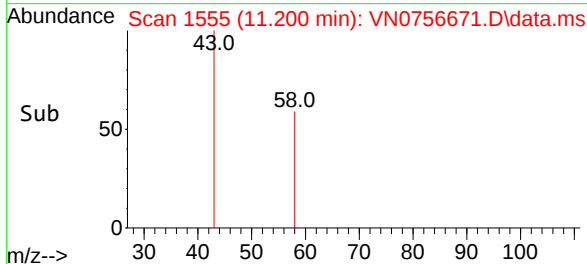
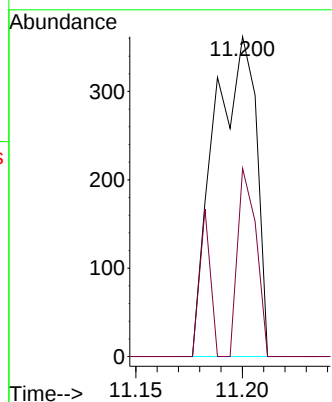
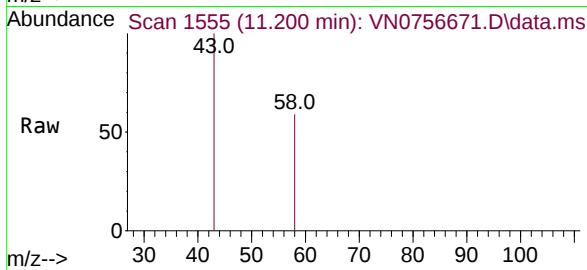




#59
2-Hexanone
Concen: 0.290 ug/l
RT: 11.200 min Scan# 1155
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

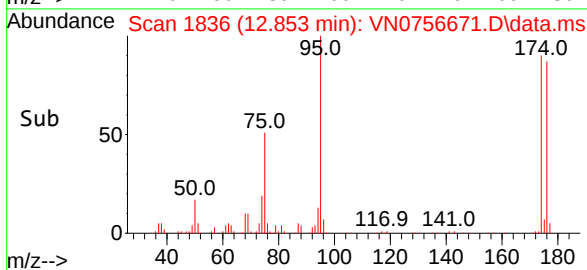
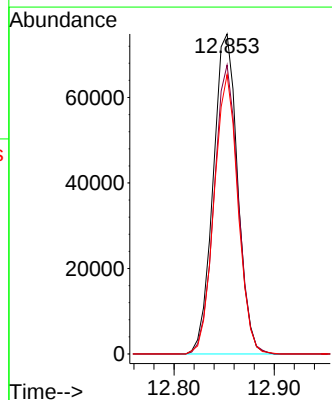
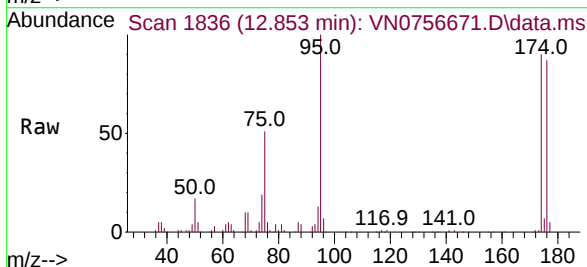
Instrument :
MSVOA_N
ClientSampleId :

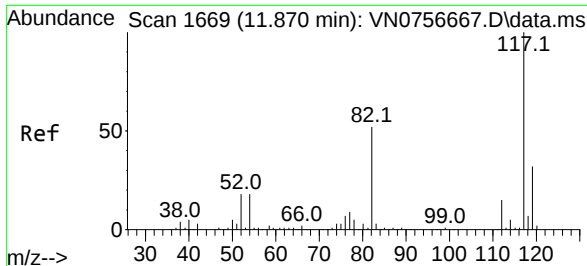
Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
58 26.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 45.965 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

Tgt Ion: 95 Resp: 126809
Ion Ratio Lower Upper
95 100
174 88.6 0.0 178.6
176 84.9 0.0 170.8

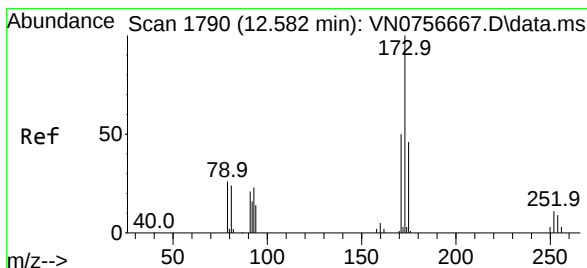
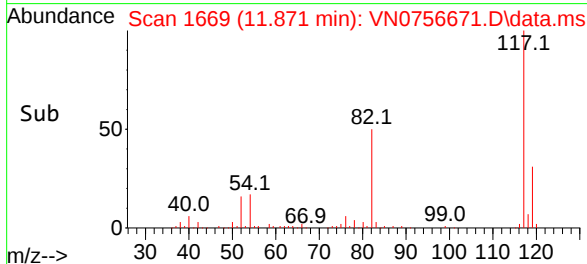
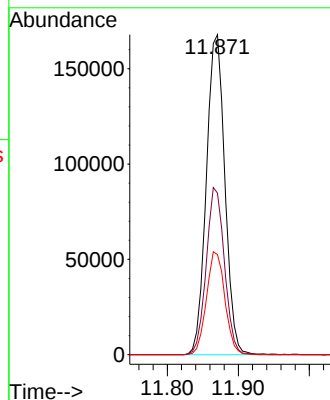
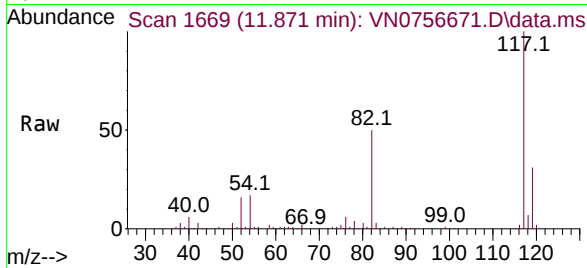




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

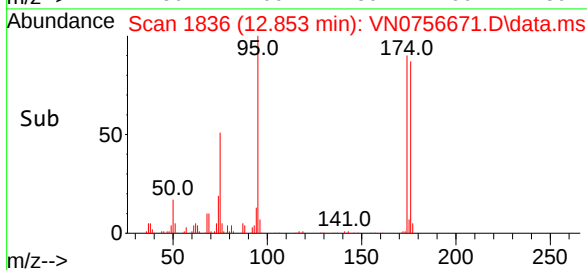
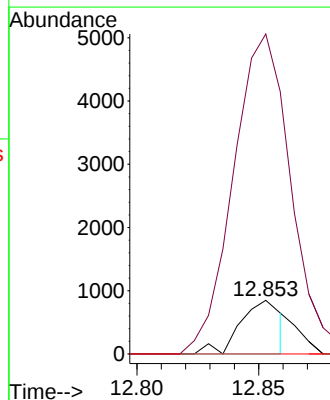
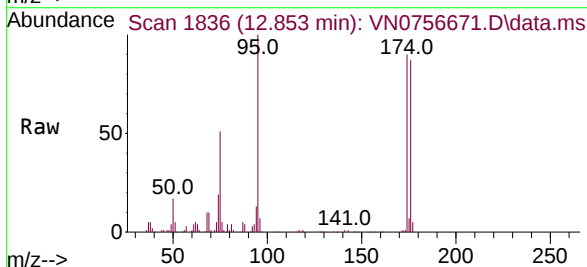
Instrument :
MSVOA_N
ClientSampleId :

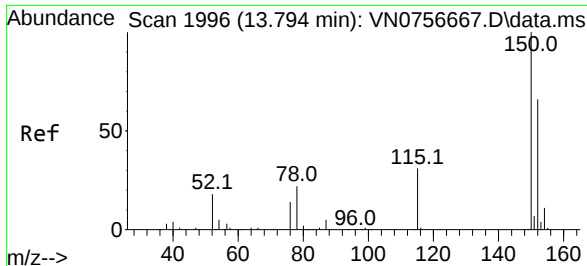
Tgt Ion:117 Resp: 304540
Ion Ratio Lower Upper
117 100
82 50.5 41.8 62.8
119 31.3 25.8 38.6



#71
Bromoform
Concen: 0.573 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

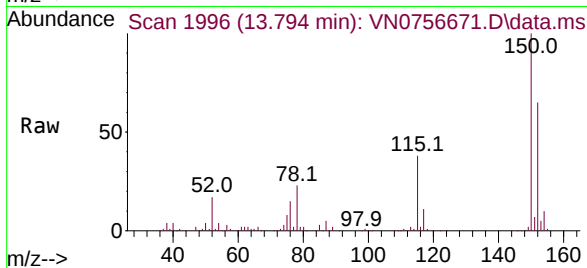
Tgt Ion:173 Resp: 991
Ion Ratio Lower Upper
173 100
175 701.1 23.8 71.2#
254 0.0 0.0 0.0



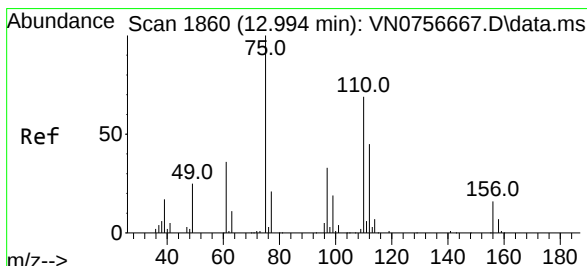
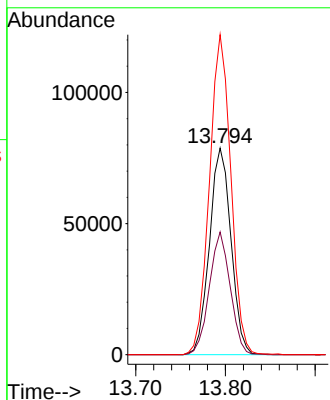
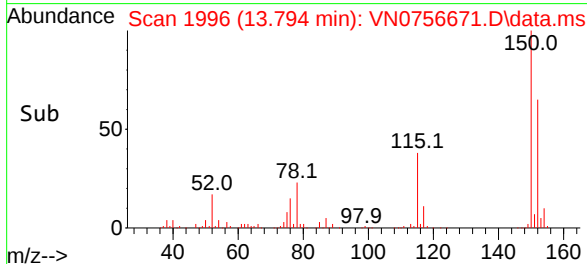


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN0756671.D
 Acq: 09 Dec 2022 16:55

Instrument :
 MSVOA_N
 ClientSampleId :

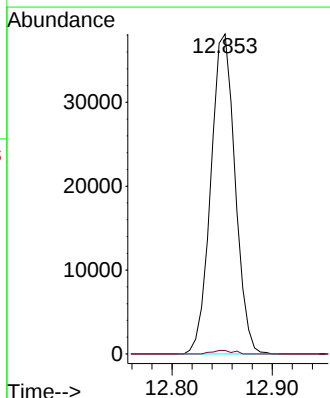
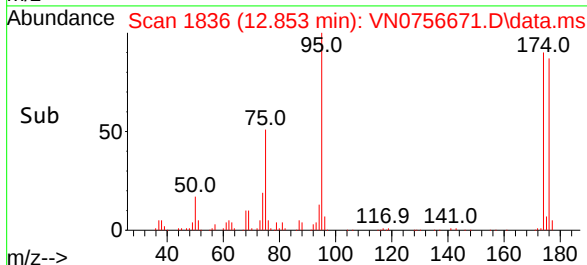
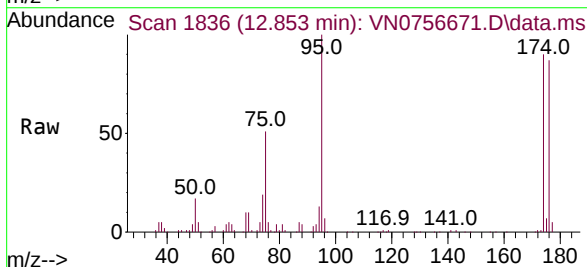


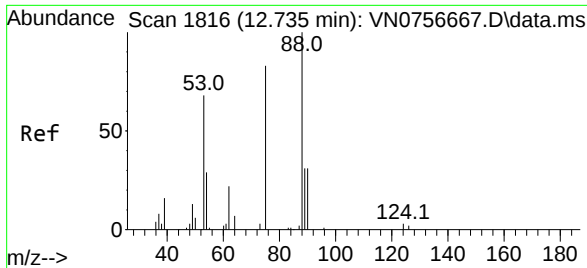
Tgt Ion:152 Resp: 131486
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.4 85.2
 150 153.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 24.285 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN0756671.D
 Acq: 09 Dec 2022 16:55

Tgt Ion: 75 Resp: 64125
 Ion Ratio Lower Upper
 75 100
 77 1.0 81.8 245.4#

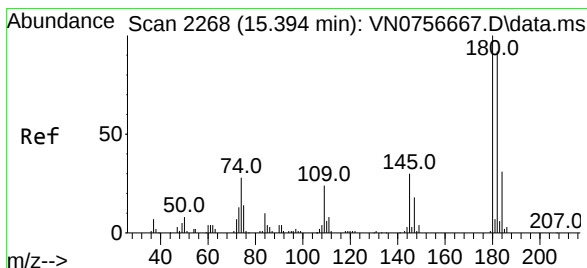
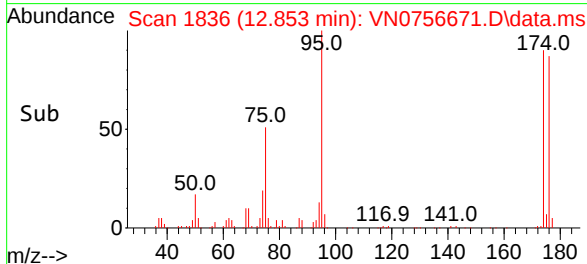
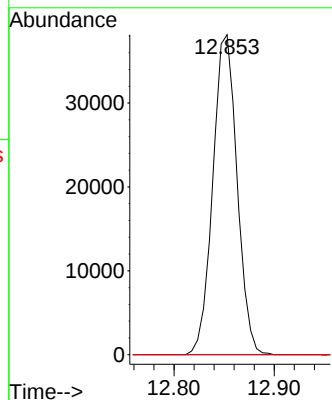
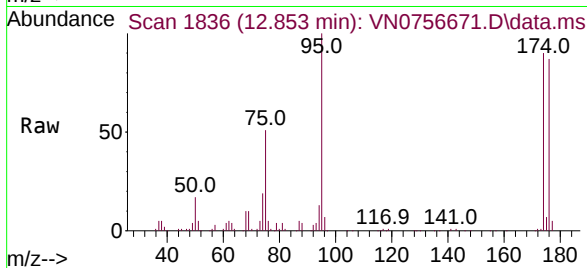




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.557 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.118 min
 Lab File: VN0756671.D
 Acq: 09 Dec 2022 16:55

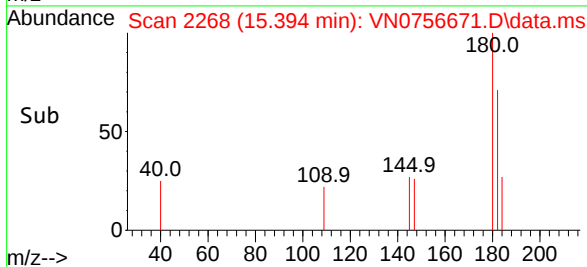
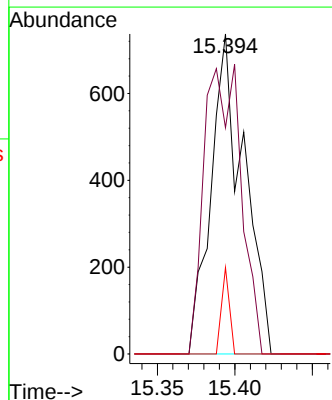
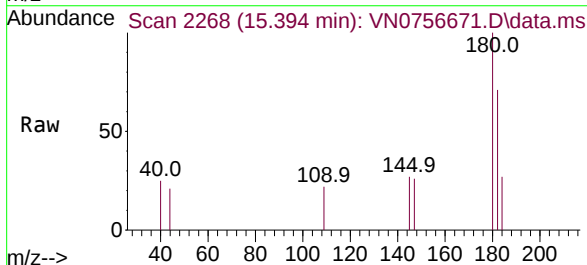
Instrument :
 MSVOA_N
 ClientSampleId :

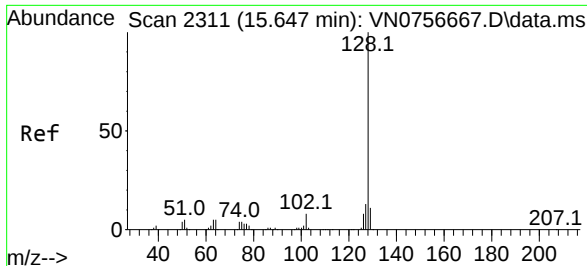
Tgt Ion: 75 Resp: 64125
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.514 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. 0.000 min
 Lab File: VN0756671.D
 Acq: 09 Dec 2022 16:55

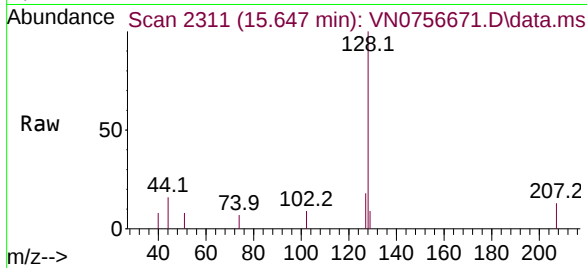
Tgt Ion: 180 Resp: 1091
 Ion Ratio Lower Upper
 180 100
 182 100.3 47.1 141.3
 145 6.4 15.2 45.5#



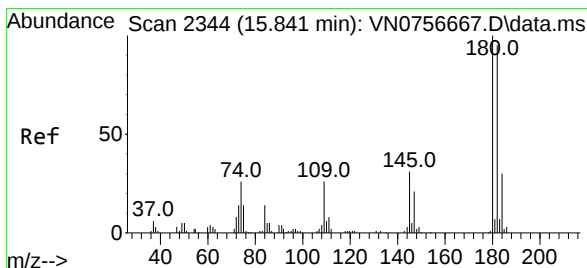
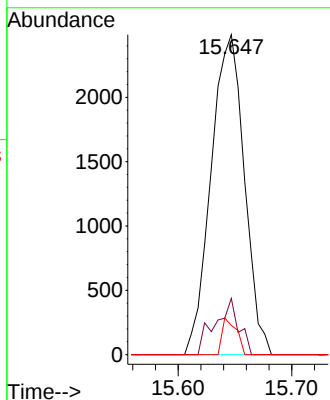
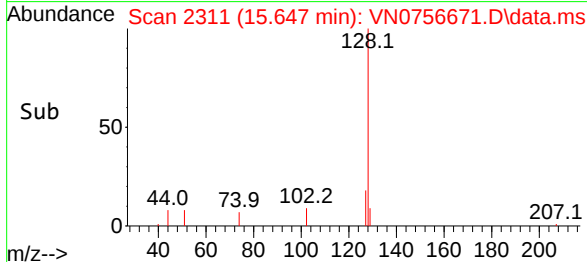


#95
Naphthalene
Concen: 0.807 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 5058
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 4.9 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.500 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN0756671.D
Acq: 09 Dec 2022 16:55

Tgt Ion:180 Resp: 1042
Ion Ratio Lower Upper
180 100
182 110.6 46.8 140.4
145 27.9 15.6 46.8

