

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756701.D
 Acq On : 10 Dec 2022 09:33
 Operator : JC\MD
 Sample : N5989-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:58:28 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)

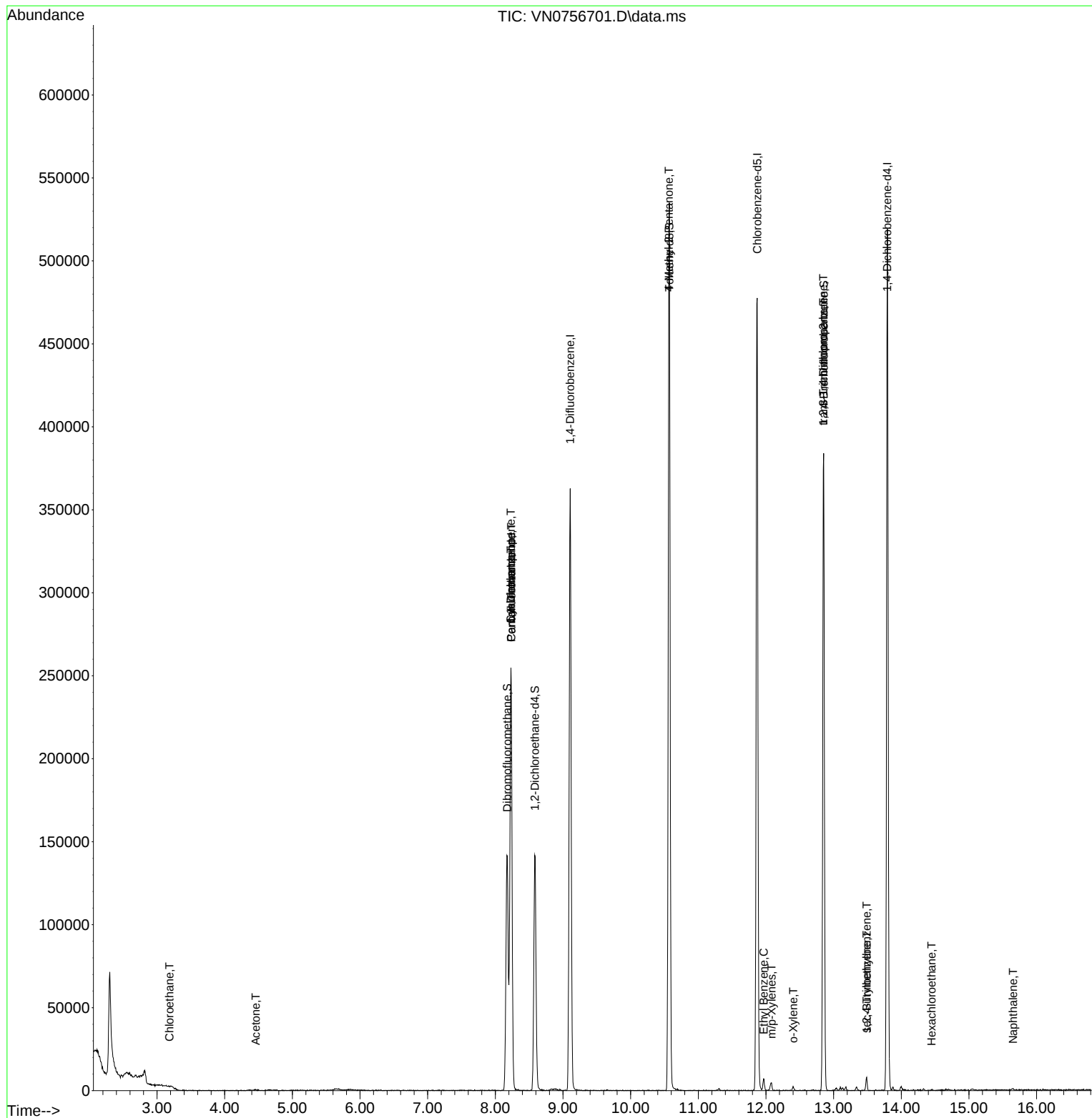
Internal Standards						
1) Pentafluorobenzene	8.235	168	197043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	336725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	303780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115646	55.315	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.640%	
35) Dibromofluoromethane	8.177	113	103620	50.438	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.880%	
50) Toluene-d8	10.571	98	394589	51.144	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.280%	
62) 4-Bromofluorobenzene	12.853	95	131220	49.744	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.480%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.183	64	369	0.233	ug/l #	43
16) Acetone	4.459	43	1103	1.558	ug/l #	41
31) Cyclohexane	8.230	56	3681	1.189	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	14198	5.205	ug/l #	48
38) Carbon Tetrachloride	8.235	117	20381	6.474	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1478	0.656	ug/l #	1
67) Ethyl Benzene	11.965	91	5979	0.565	ug/l	88
68) m/p-Xylenes	12.082	106	2071	0.485	ug/l	96
69) o-Xylene	12.406	106	913	0.220	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	64745	22.255	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64745	71.301	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.488	105	5135	0.588	ug/l	97
85) sec-Butylbenzene	13.488	105	5135	0.474	ug/l #	56
90) Hexachloroethane	14.447	117	318	0.205	ug/l #	10
95) Naphthalene	15.653	128	1769	0.256	ug/l #	70

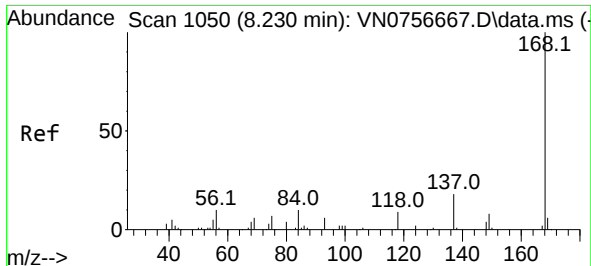
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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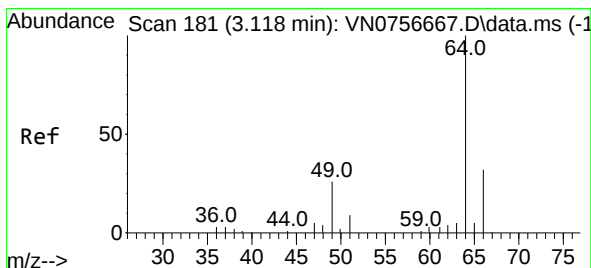
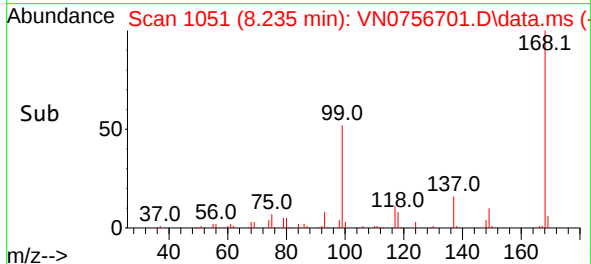
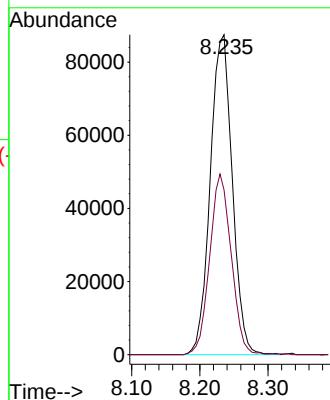
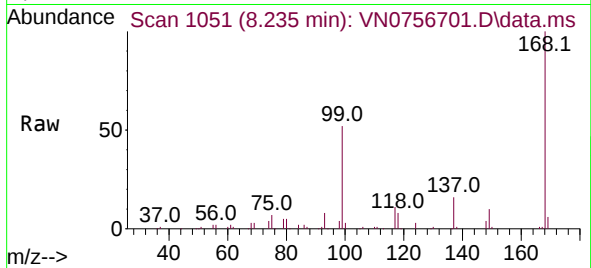




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

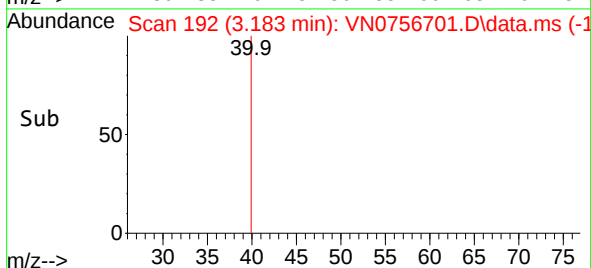
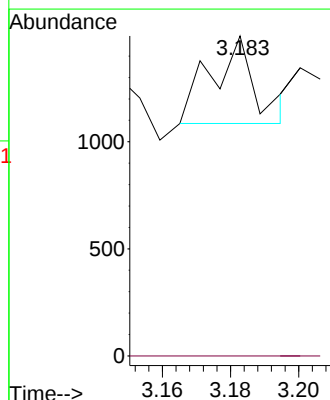
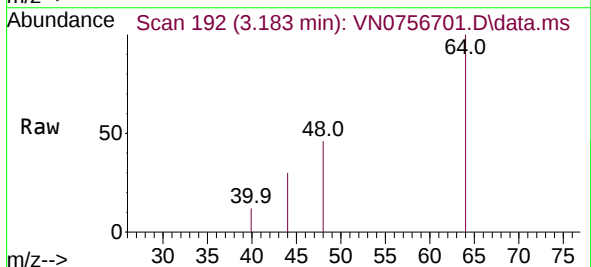
Instrument :
MSVOA_N
ClientSampleId :

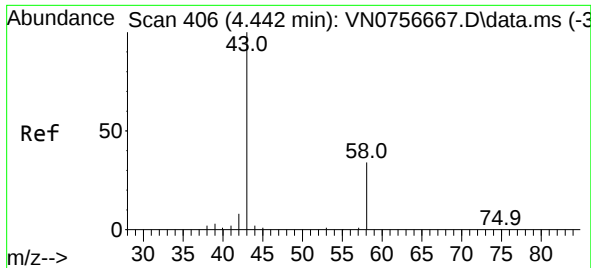
Tgt Ion:168 Resp: 197043
Ion Ratio Lower Upper
168 100
99 51.5 41.2 61.8



#6
Chloroethane
Concen: 0.233 ug/l
RT: 3.183 min Scan# 192
Delta R.T. 0.065 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#





#16

Acetone

Concen: 1.558 ug/l

RT: 4.459 min Scan# 406

Delta R.T. 0.018 min

Lab File: VN0756701.D

Acq: 10 Dec 2022 09:33

Instrument :

MSVOA_N

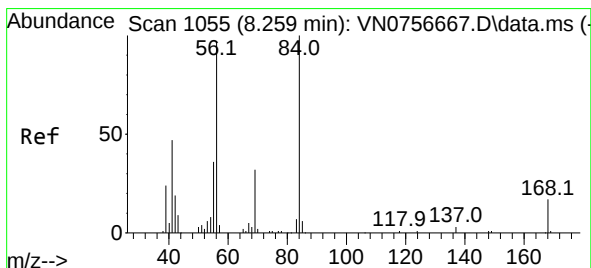
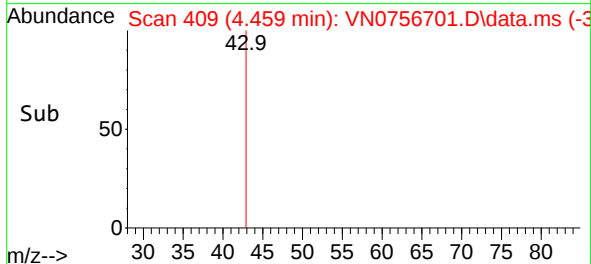
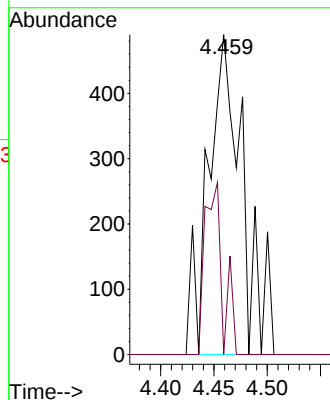
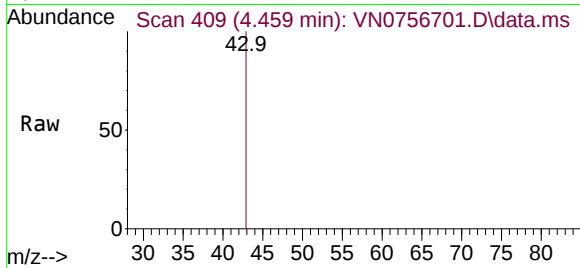
ClientSampleId :

Tgt Ion: 43 Resp: 1103

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN0756701.D

Acq: 10 Dec 2022 09:33

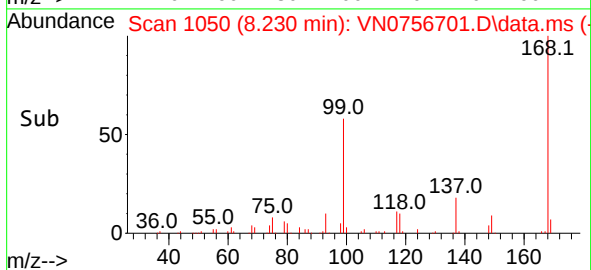
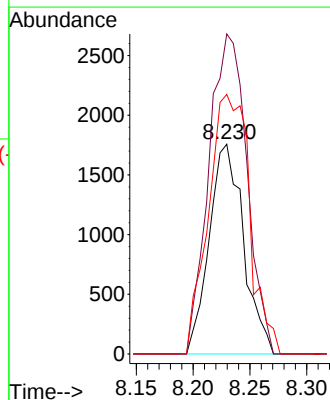
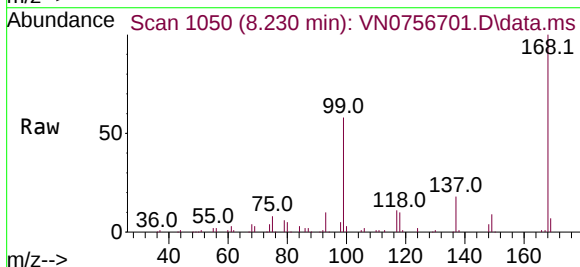
Tgt Ion: 56 Resp: 3681

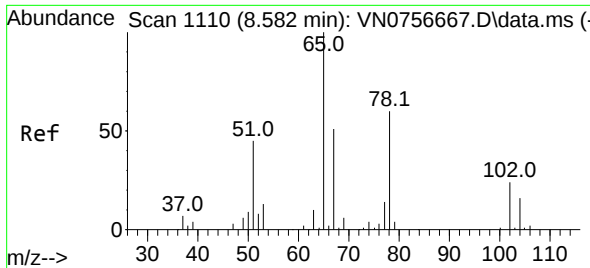
Ion Ratio Lower Upper

56 100

69 152.5 26.2 39.2#

84 123.7 82.8 124.2

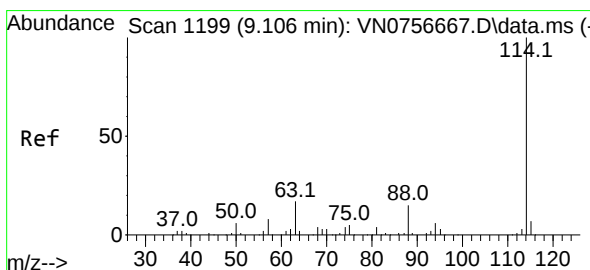
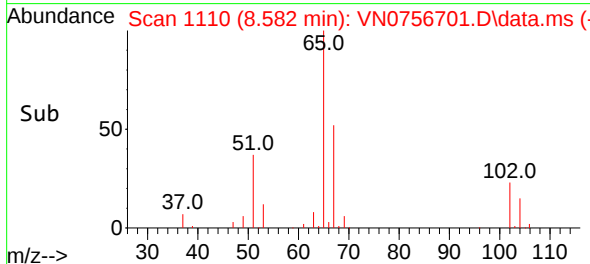
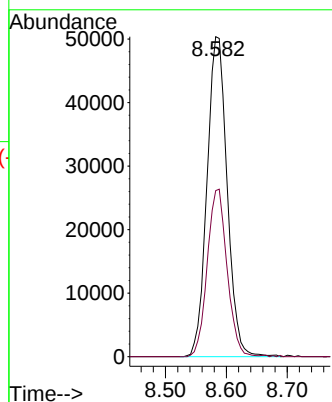
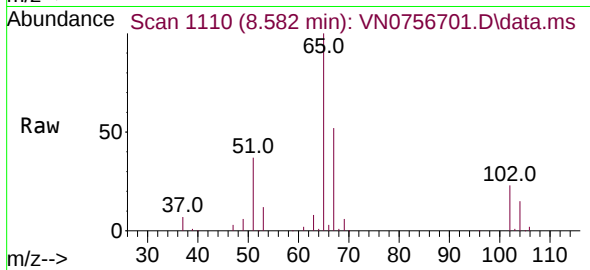




#33
 1,2-Dichloroethane-d4
 Concen: 55.315 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

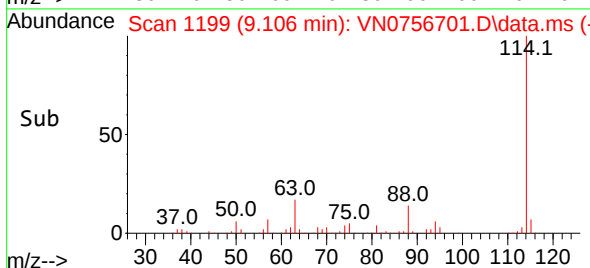
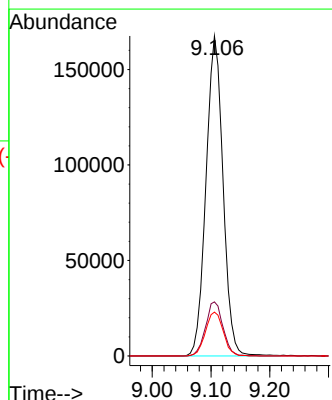
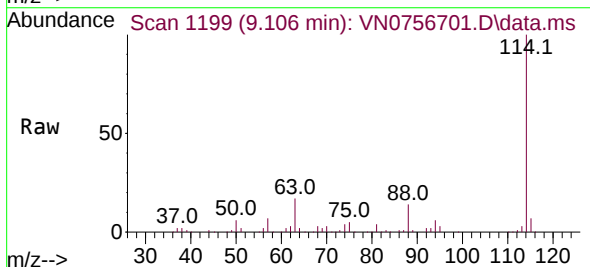
Instrument :
 MSVOA_N
 ClientSampleId :

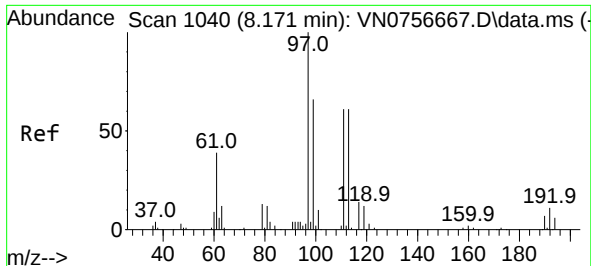
Tgt Ion: 65 Resp: 115646
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

Tgt Ion: 114 Resp: 336725
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 34.4
 88 13.7 0.0 29.2

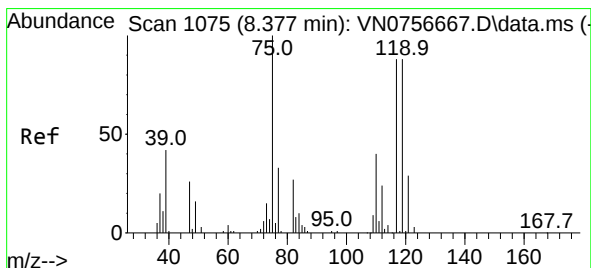
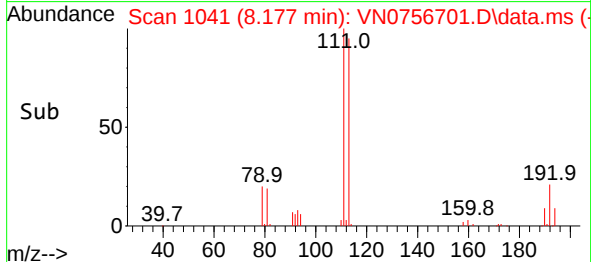
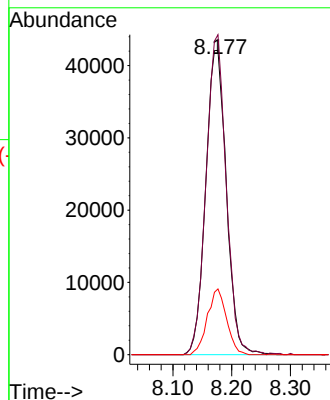
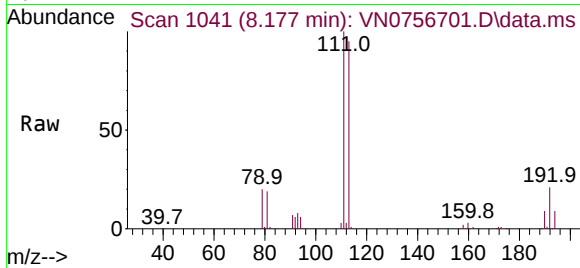




#35
Dibromofluoromethane
Concen: 50.438 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

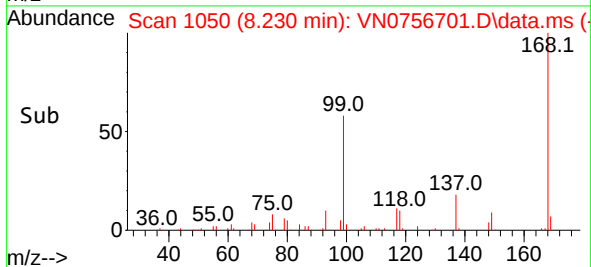
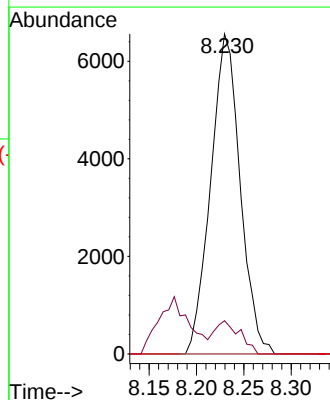
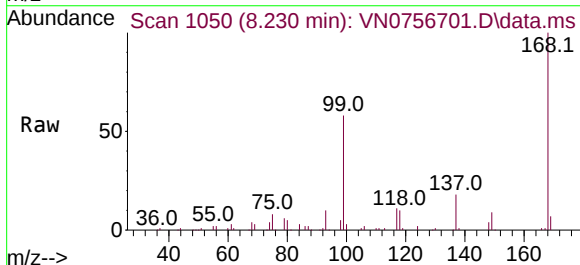
Instrument :
MSVOA_N
ClientSampleId :

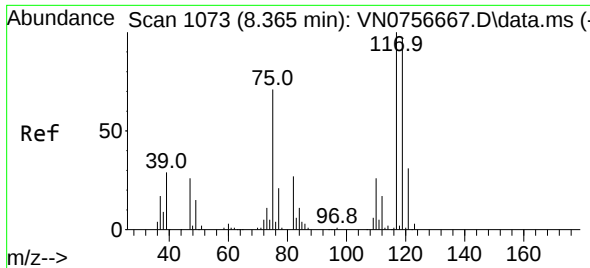
Tgt Ion:113 Resp: 103620
Ion Ratio Lower Upper
113 100
111 101.5 81.0 121.6
192 19.9 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

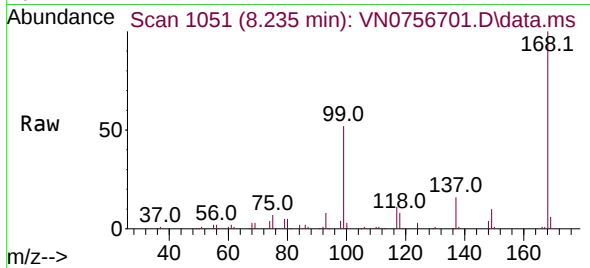
Tgt Ion: 75 Resp: 14198
Ion Ratio Lower Upper
75 100
110 8.9 18.9 56.9#
77 0.0 25.4 38.2#



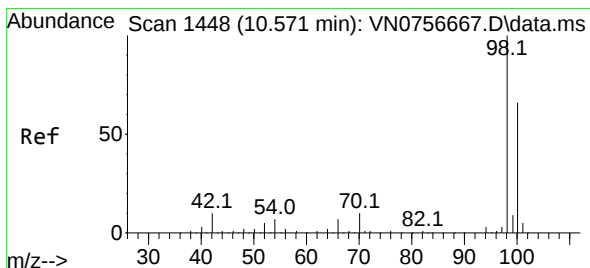
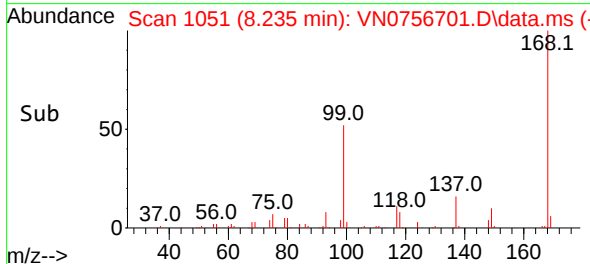
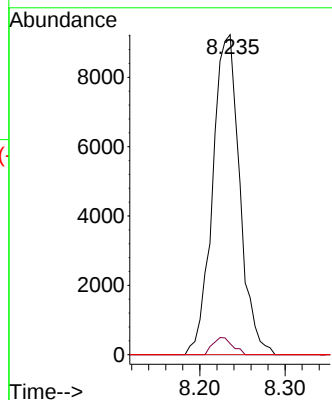


#38
Carbon Tetrachloride
Concen: 6.474 ug/l
RT: 8.235 min Scan# 1073
Delta R.T. -0.129 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

Instrument :
MSVOA_N
ClientSampleId :

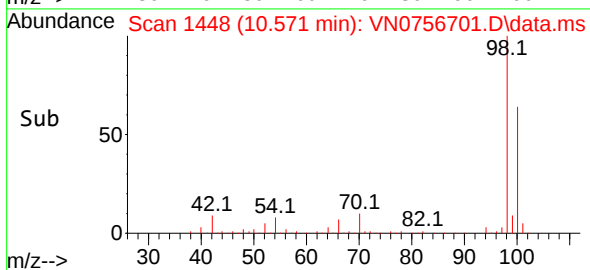
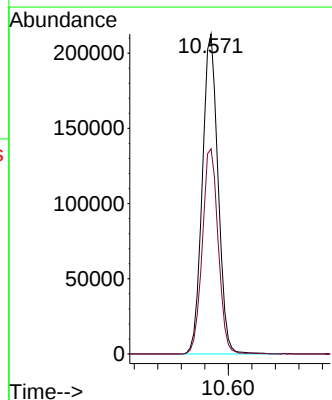
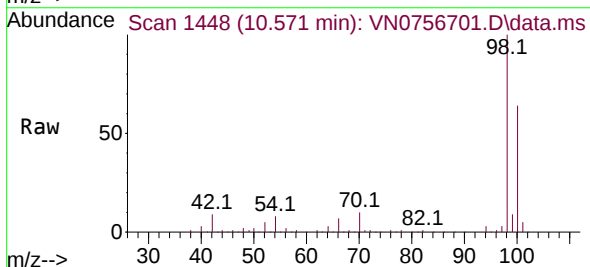


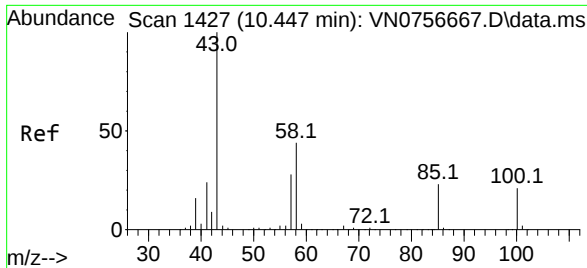
Tgt Ion:117 Resp: 20381
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.144 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

Tgt Ion: 98 Resp: 394589
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

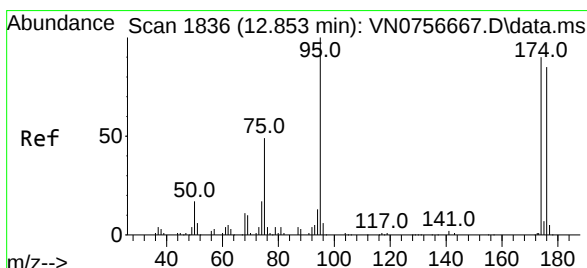
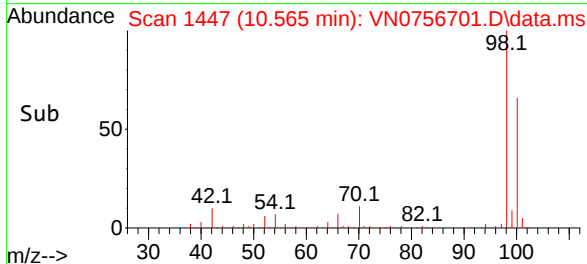
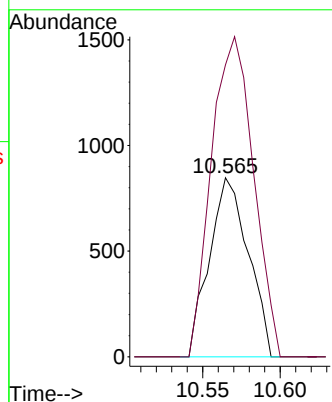
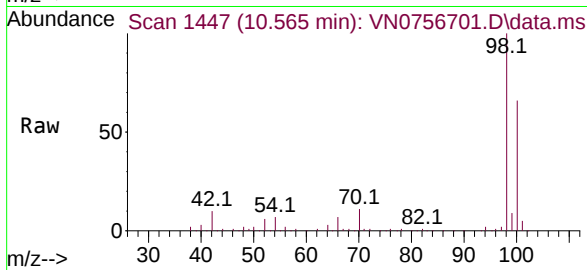




#51
4-Methyl-2-Pentanone
Concen: 0.656 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

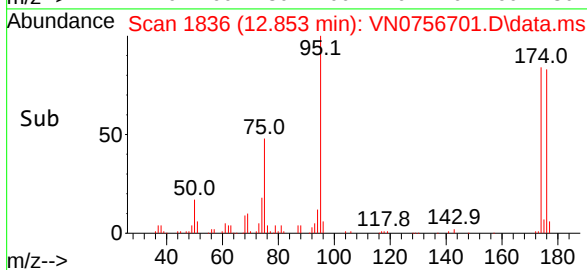
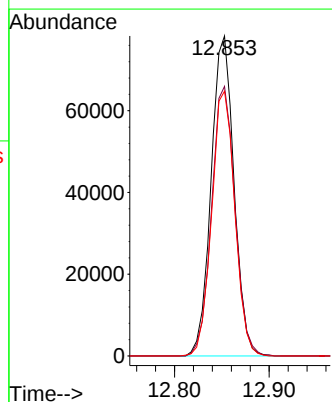
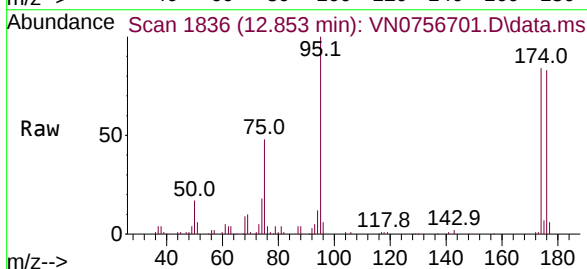
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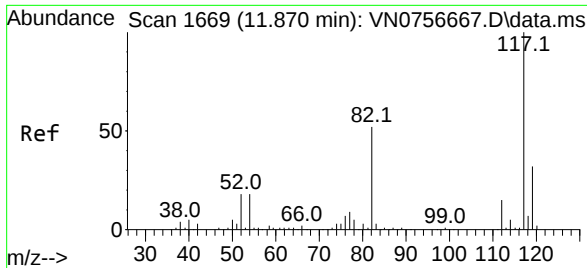
Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 193.8 35.0 52.6#



#62
4-Bromofluorobenzene
Concen: 49.744 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

Tgt Ion: 95 Resp: 131220
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.6
176 83.7 0.0 170.8

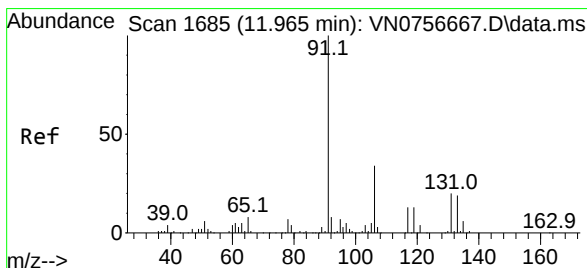
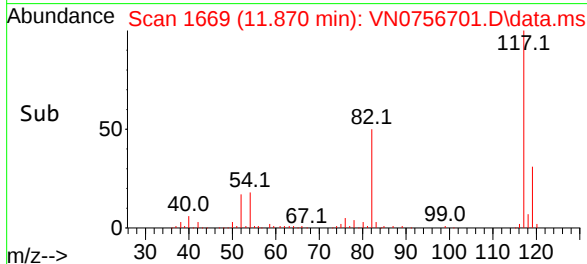
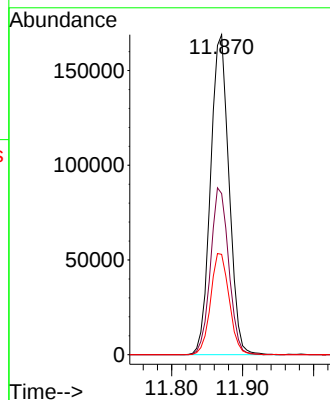
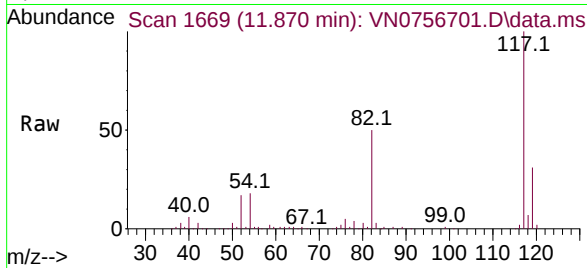




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

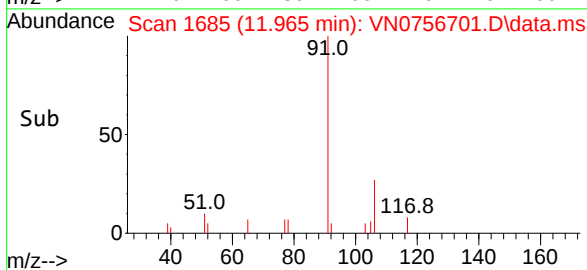
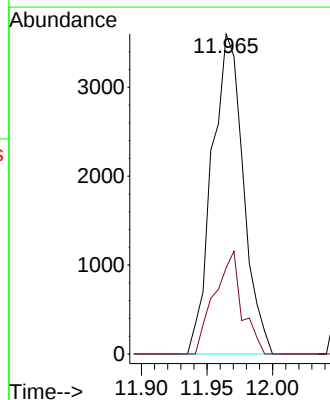
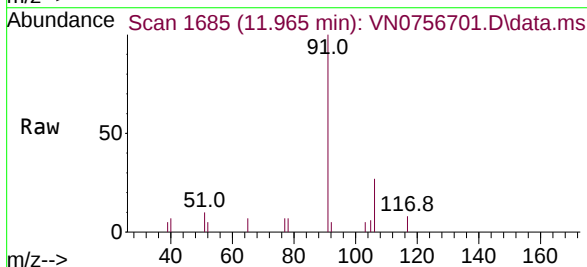
Instrument :
MSVOA_N
ClientSampleId :

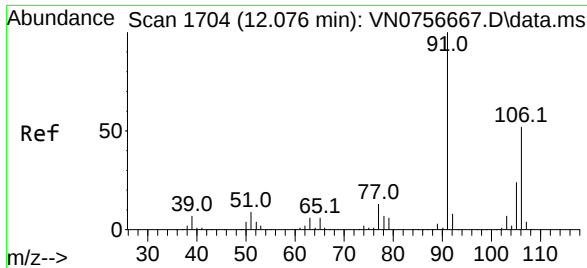
Tgt Ion:117 Resp: 303780
Ion Ratio Lower Upper
117 100
82 50.4 41.8 62.8
119 31.4 25.8 38.6



#67
Ethyl Benzene
Concen: 0.565 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

Tgt Ion: 91 Resp: 5979
Ion Ratio Lower Upper
91 100
106 26.9 26.9 40.3

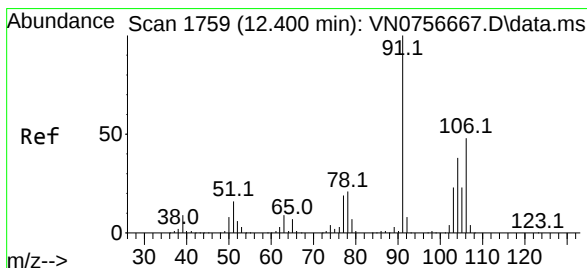
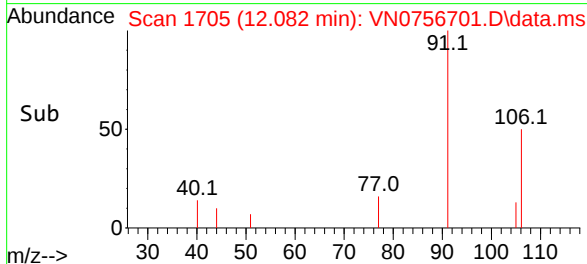
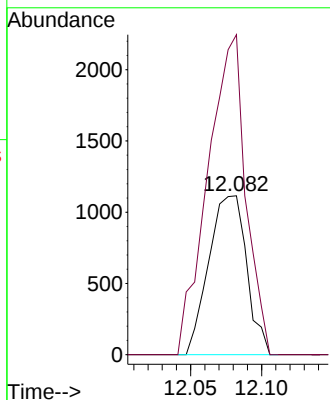
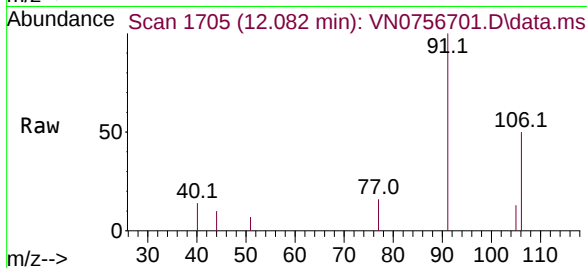




#68
m/p-Xylenes
Concen: 0.485 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

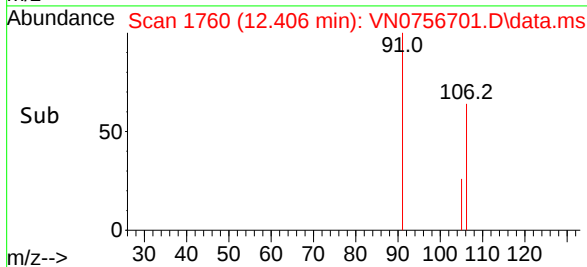
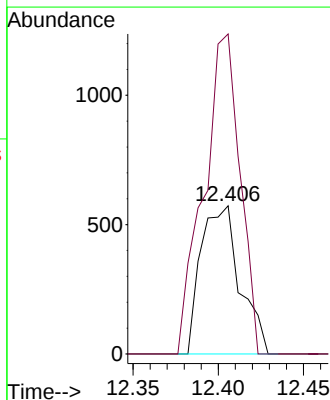
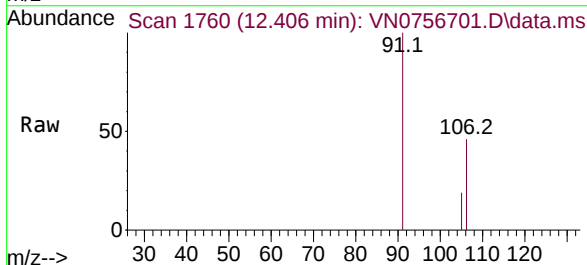
Instrument :
MSVOA_N
ClientSampleId :

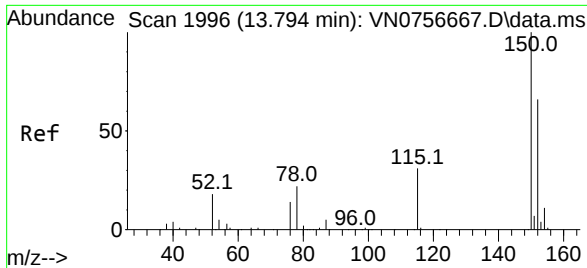
Tgt Ion:106 Resp: 2071
Ion Ratio Lower Upper
106 100
91 201.8 156.2 234.4



#69
o-Xylene
Concen: 0.220 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN0756701.D
Acq: 10 Dec 2022 09:33

Tgt Ion:106 Resp: 913
Ion Ratio Lower Upper
106 100
91 200.3 102.8 308.5

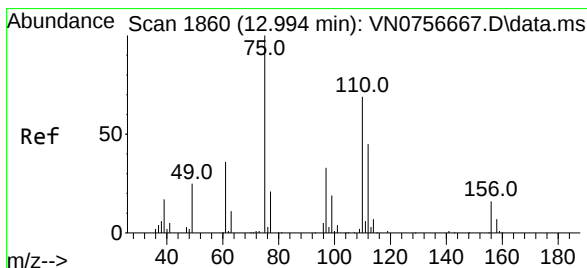
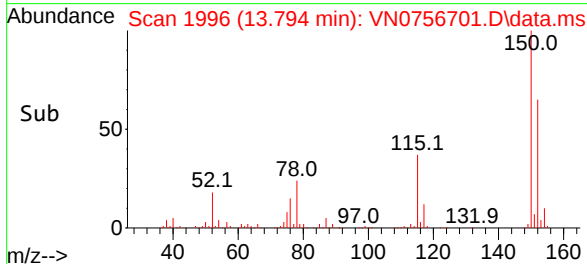
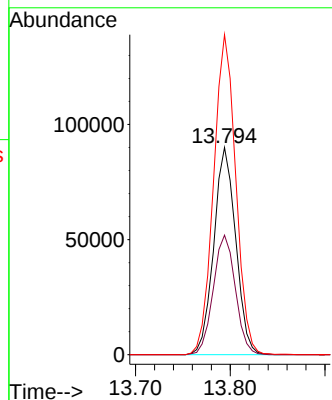
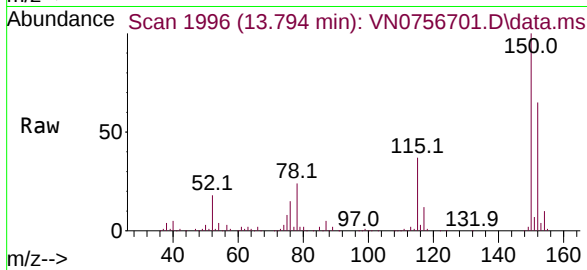




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

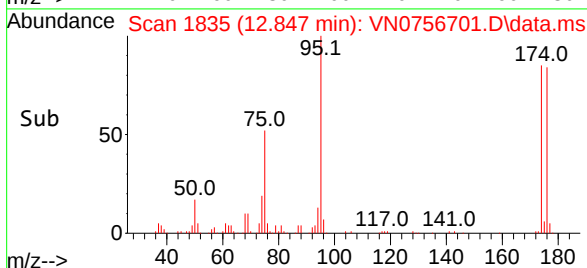
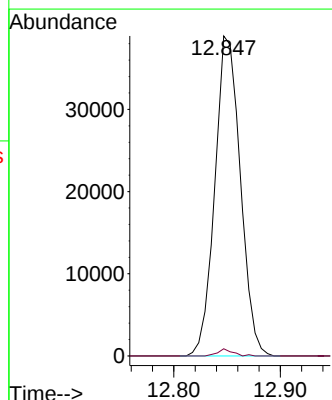
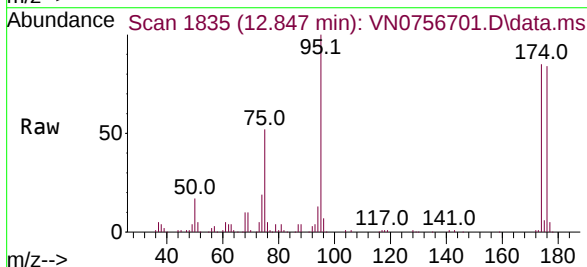
Instrument :
 MSVOA_N
 ClientSampleId :

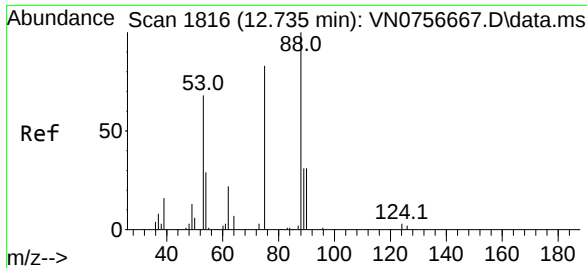
Tgt Ion:152 Resp: 144862
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.4 85.2
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 22.255 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

Tgt Ion: 75 Resp: 64745
 Ion Ratio Lower Upper
 75 100
 77 1.3 81.8 245.4#

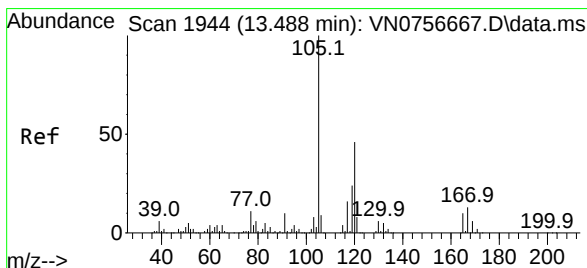
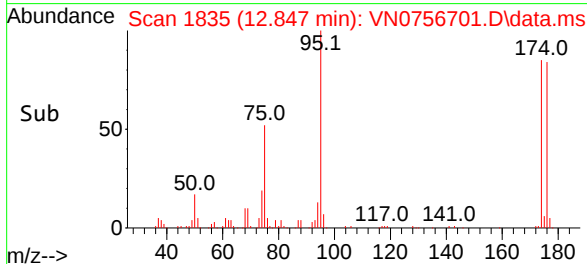
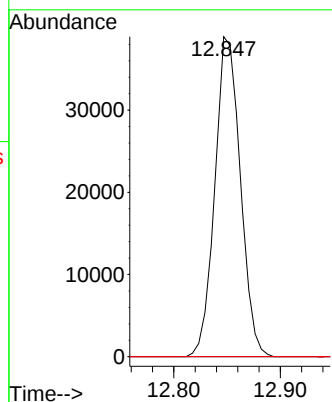
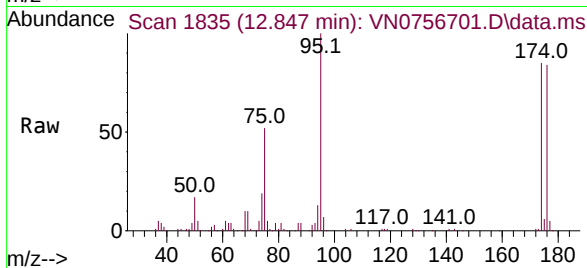




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.301 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. 0.112 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

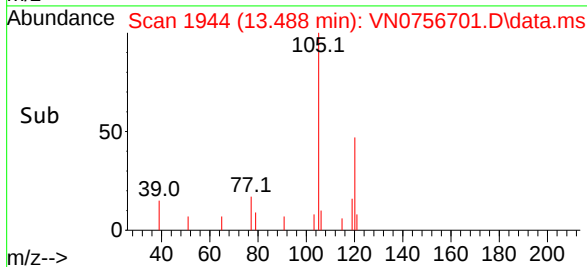
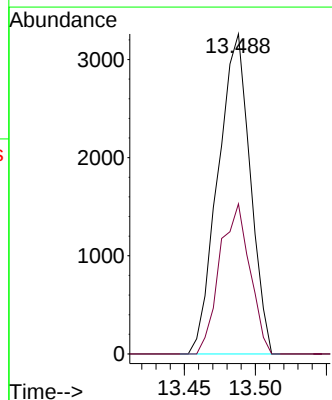
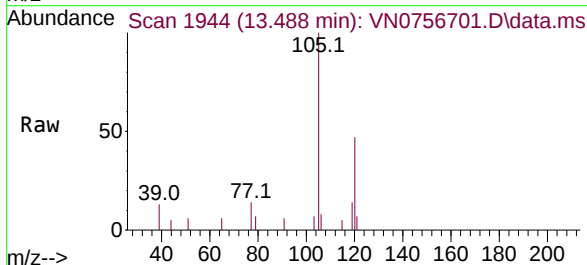
Instrument :
 MSVOA_N
 ClientSampleId :

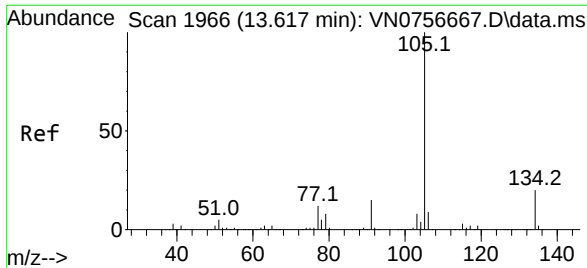
Tgt Ion: 75 Resp: 64745
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.588 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

Tgt Ion: 105 Resp: 5135
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.1 69.2

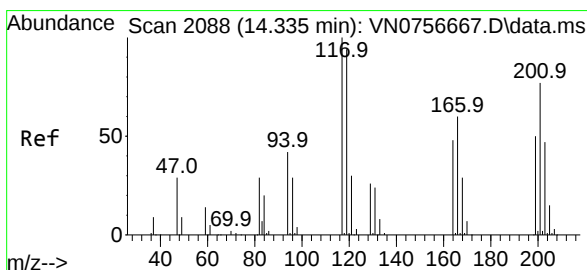
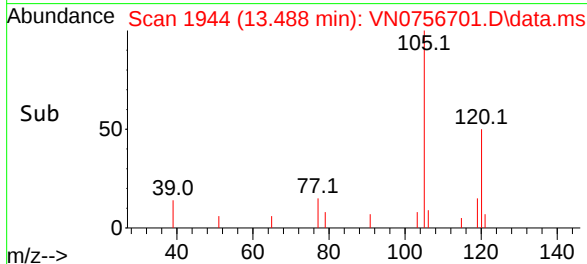
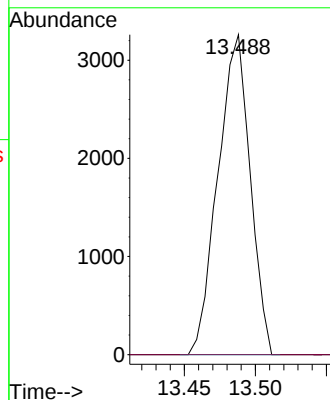
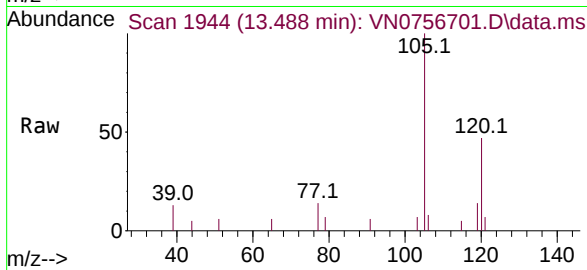




#85
 sec-Butylbenzene
 Concen: 0.474 ug/l
 RT: 13.488 min Scan# 1966
 Delta R.T. -0.129 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

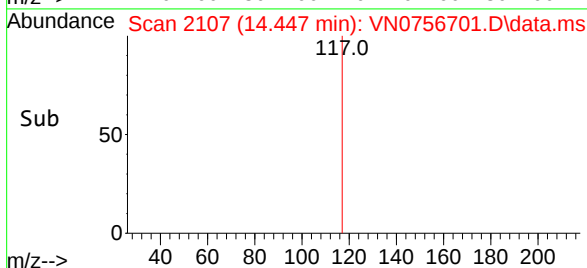
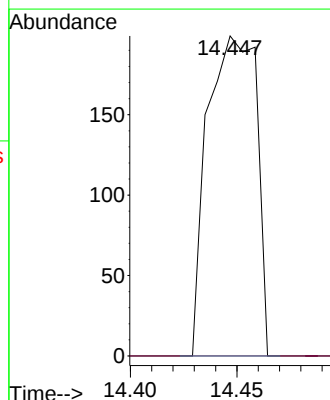
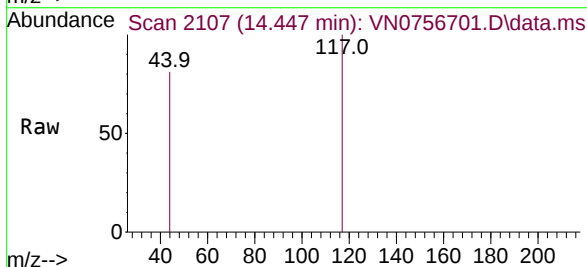
Instrument :
 MSVOA_N
 ClientSampleId :

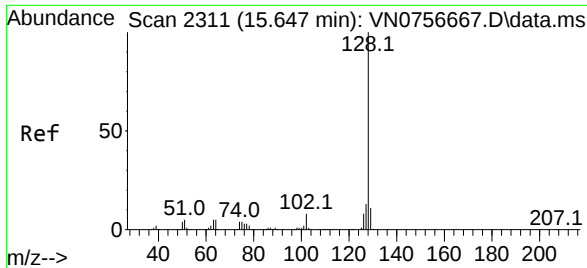
Tgt Ion:105 Resp: 5135
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#



#90
 Hexachloroethane
 Concen: 0.205 ug/l
 RT: 14.447 min Scan# 2107
 Delta R.T. 0.112 min
 Lab File: VN0756701.D
 Acq: 10 Dec 2022 09:33

Tgt Ion:117 Resp: 318
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.2 117.6#





#95

Naphthalene

Concen: 0.256 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.006 min

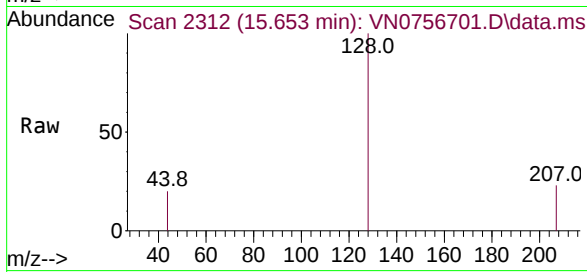
Lab File: VN0756701.D

Acq: 10 Dec 2022 09:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	1769
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.2	15.4#
129	0.0	8.4	12.6#

