

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756686.D
 Acq On : 10 Dec 2022 03:35
 Operator : JC\MD
 Sample : N5989-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:24:25 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

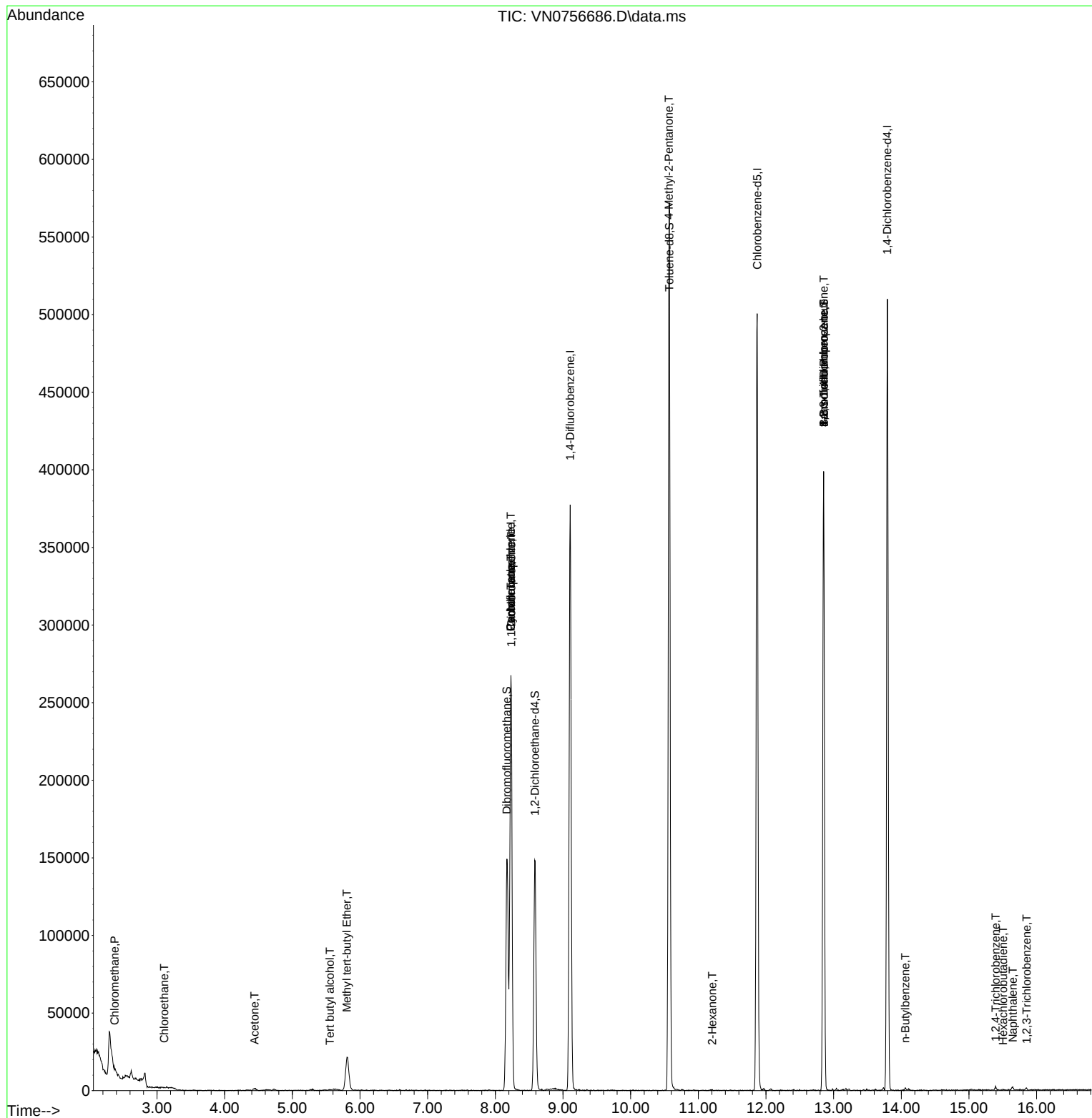
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	212387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	318328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121376	53.862	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.720%	
35) Dibromofluoromethane	8.171	113	110078	50.731	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.460%	
50) Toluene-d8	10.571	98	409598	50.266	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.853	95	134218	48.174	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.340%	
Target Compounds						Qvalue
3) Chloromethane	2.371	50	429	0.231	ug/l #	40
6) Chloroethane	3.106	64	650	0.381	ug/l #	43
11) Tert butyl alcohol	5.553	59	337	1.011	ug/l #	72
16) Acetone	4.442	43	788	1.033	ug/l #	41
19) Methyl tert-butyl Ether	5.806	73	37288	6.092	ug/l	98
31) Cyclohexane	8.230	56	3754	1.125	ug/l #	47
36) 1,1-Dichloropropene	8.235	75	14722	5.110	ug/l #	47
38) Carbon Tetrachloride	8.230	117	20876	6.279	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1631	0.685	ug/l #	1
59) 2-Hexanone	11.206	43	380	0.220	ug/l #	39
71) Bromoform	12.853	173	1060	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68651	23.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68651	75.185	ug/l #	13
89) n-Butylbenzene	14.059	91	1510	0.207	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	949	0.405	ug/l	83
94) Hexachlorobutadiene	15.506	225	315	0.237	ug/l #	19
95) Naphthalene	15.647	128	2691	0.388	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.853	180	588	0.255	ug/l #	88

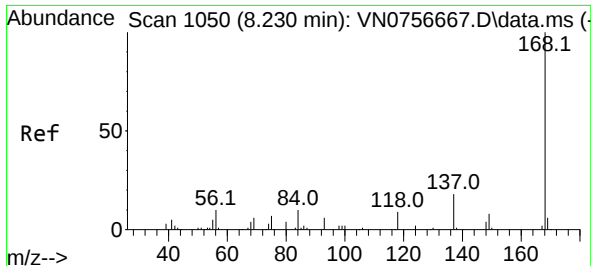
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
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QLast Update : Mon Dec 12 03:01:58 2022
Response via : Initial Calibration

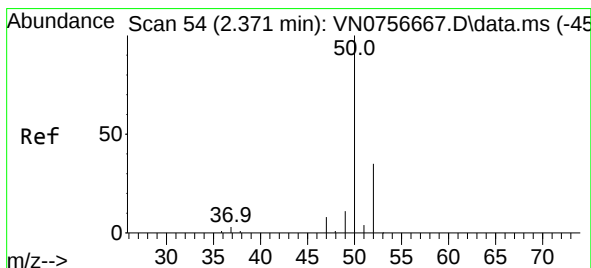
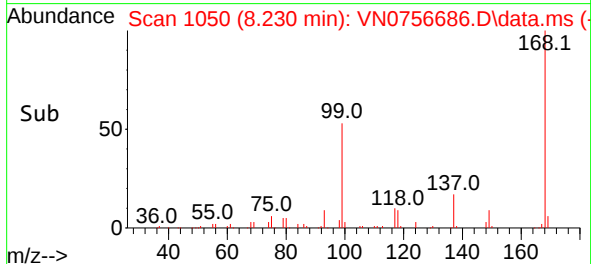
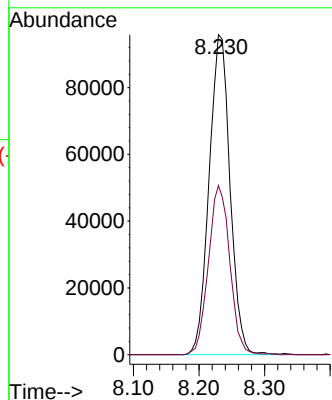
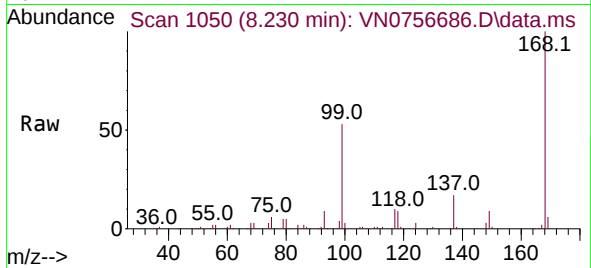




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

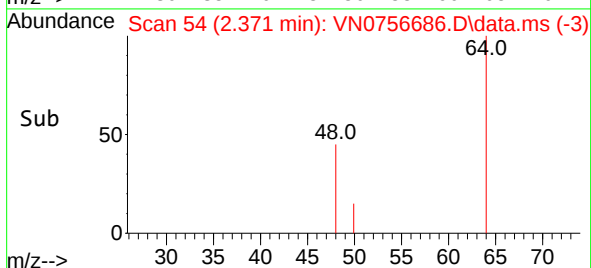
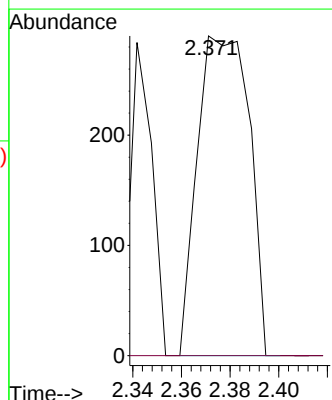
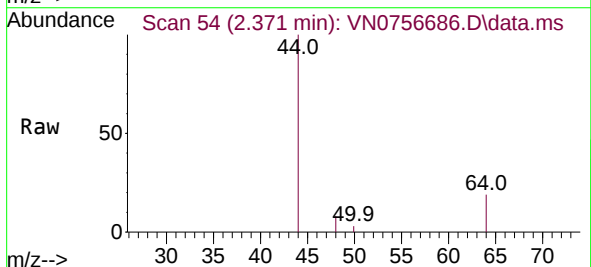
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MSVOA_N
ClientSampleId :

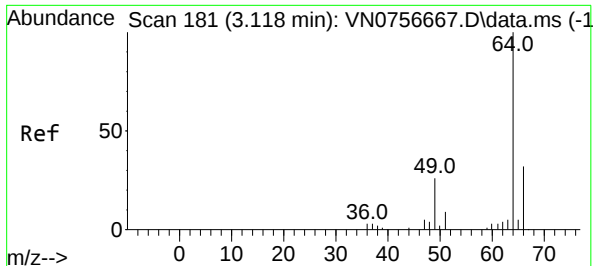
Tgt Ion:168 Resp: 212387
Ion Ratio Lower Upper
168 100
99 52.8 41.2 61.8



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#

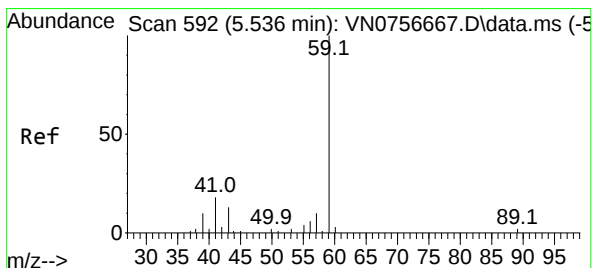
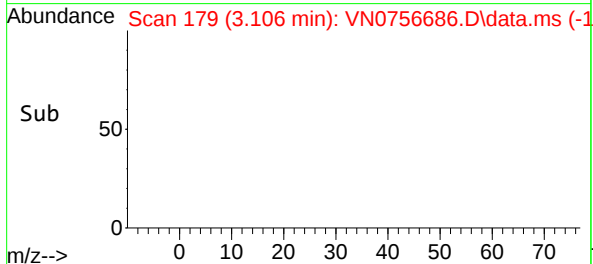
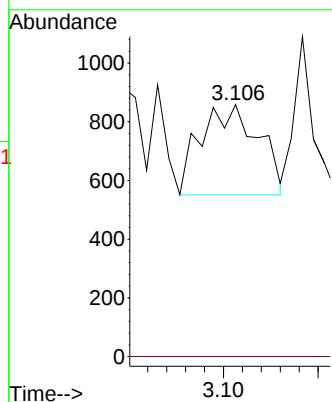
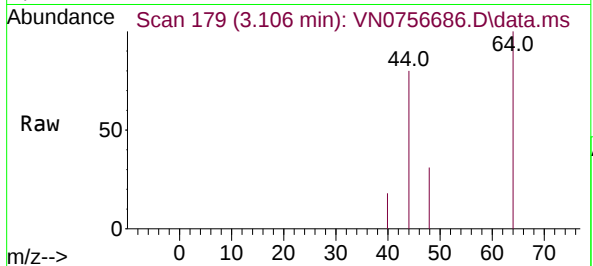




#6
Chloroethane
Concen: 0.381 ug/l
RT: 3.106 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

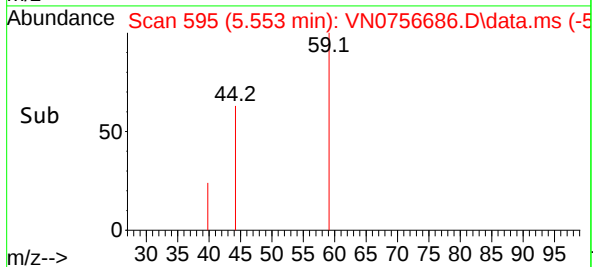
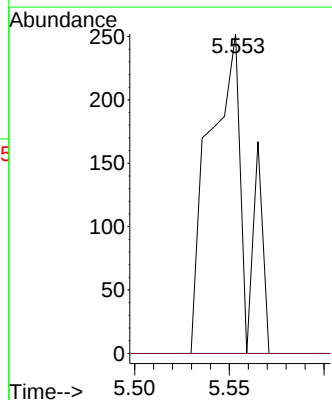
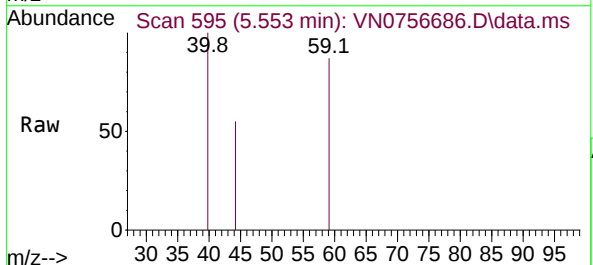
Instrument :
MSVOA_N
ClientSampleId :

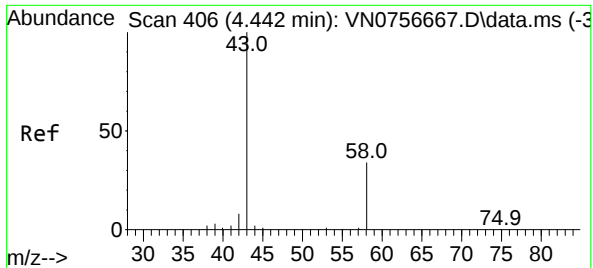
Tgt Ion: 64 Resp: 650
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#11
Tert butyl alcohol
Concen: 1.011 ug/l
RT: 5.553 min Scan# 595
Delta R.T. 0.018 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.033 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN0756686.D

Acq: 10 Dec 2022 03:35

Instrument :

MSVOA_N

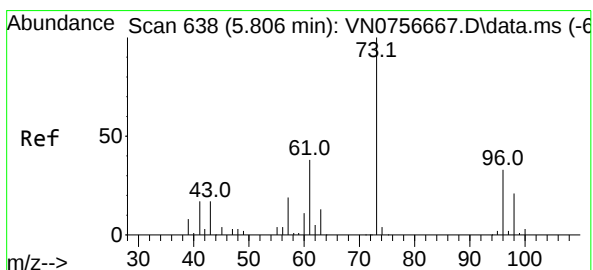
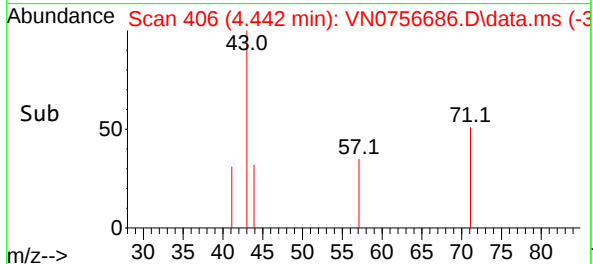
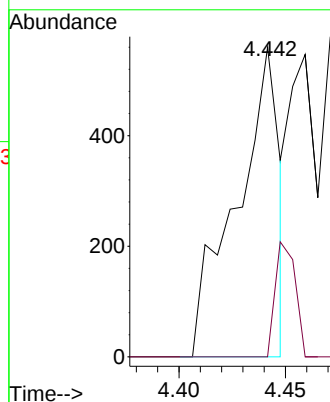
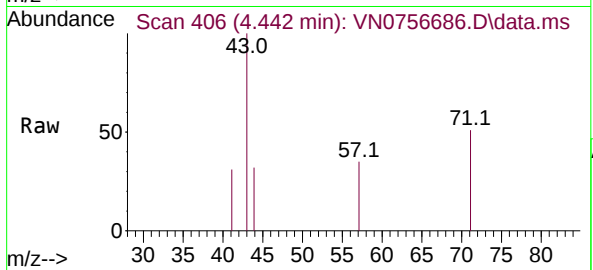
ClientSampleId :

Tgt Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#19

Methyl tert-butyl Ether

Concen: 6.092 ug/l

RT: 5.806 min Scan# 638

Delta R.T. 0.000 min

Lab File: VN0756686.D

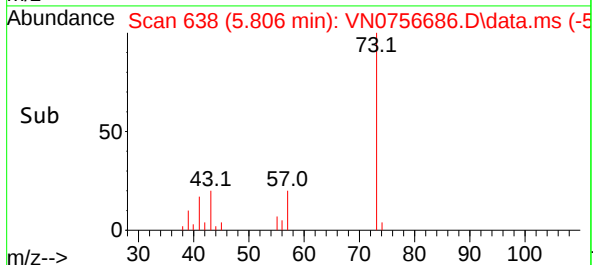
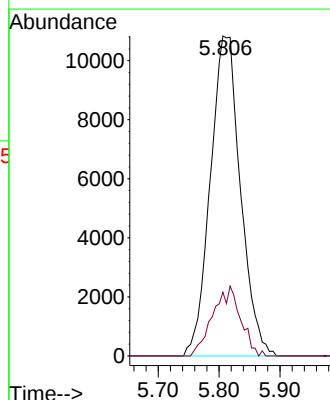
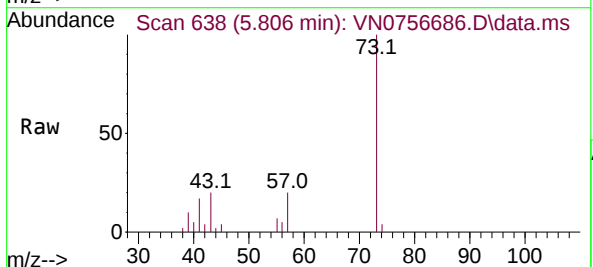
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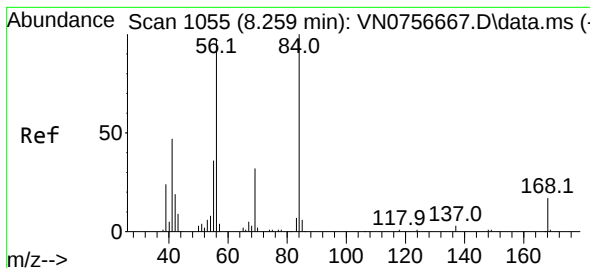
Tgt Ion: 73 Resp: 37288

Ion Ratio Lower Upper

73 100

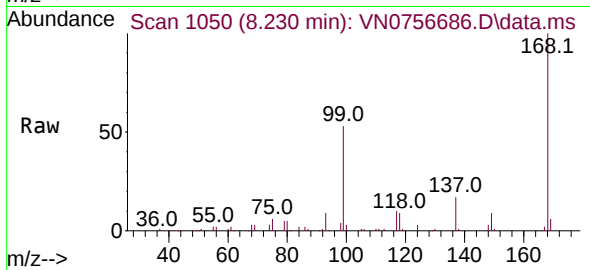
57 19.9 15.1 22.7



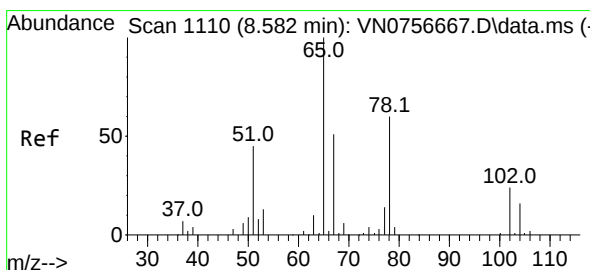
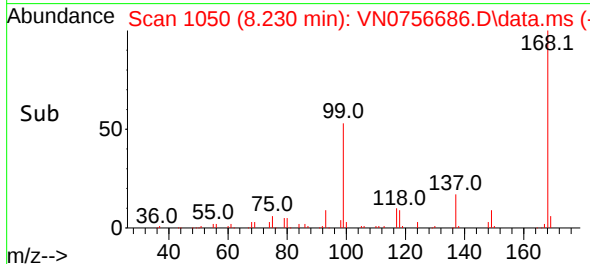
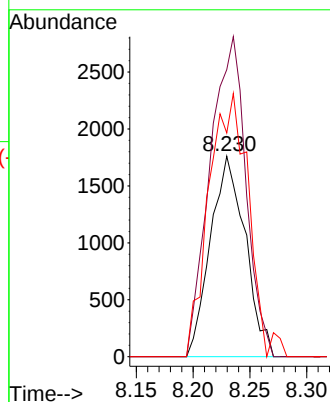


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :

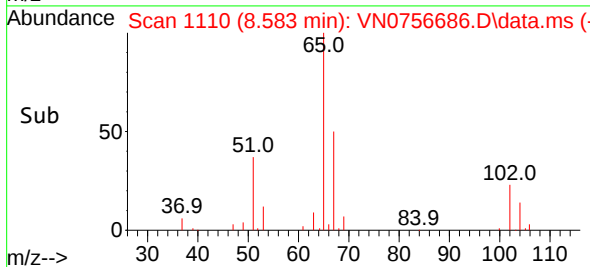
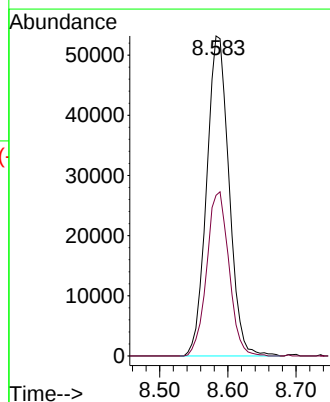
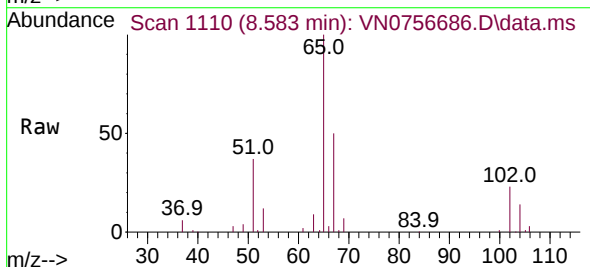


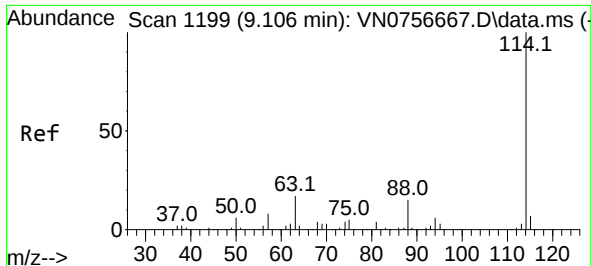
Tgt Ion: 56 Resp: 3754
Ion Ratio Lower Upper
56 100
69 143.2 26.2 39.2#
84 111.6 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 53.862 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion: 65 Resp: 121376
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.2

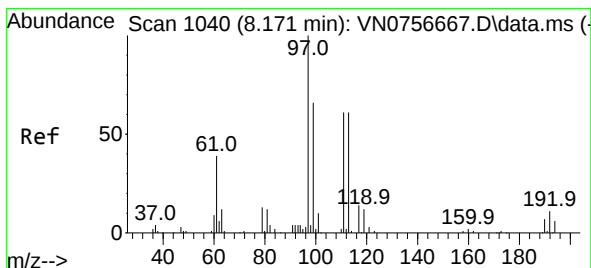
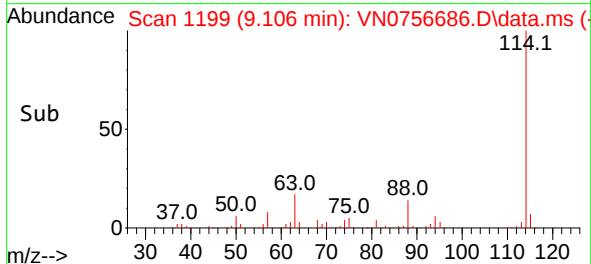
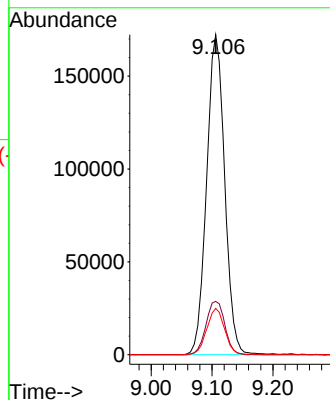
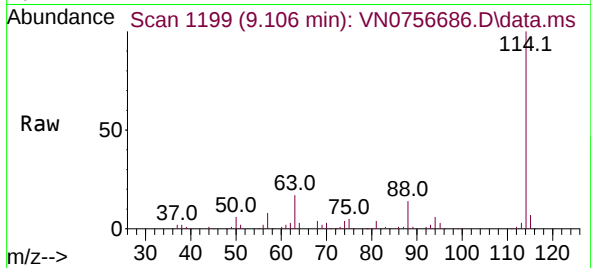




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

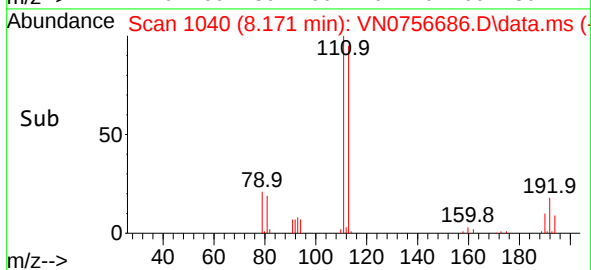
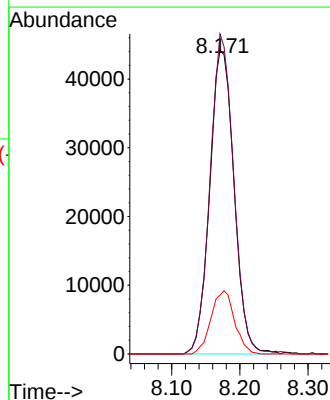
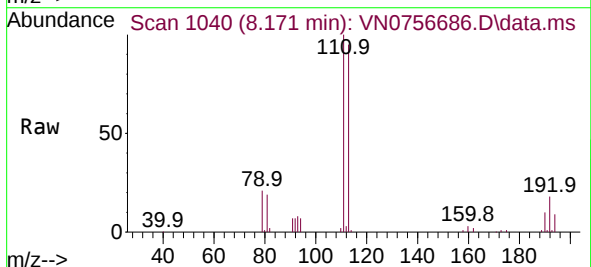
Instrument :
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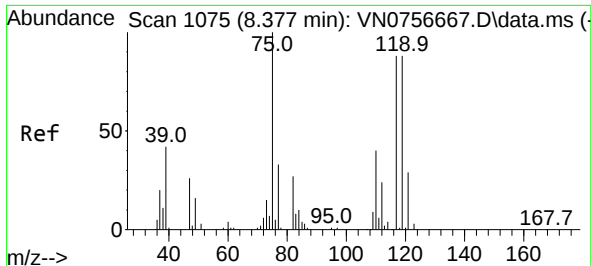
Tgt Ion:114 Resp: 355643
Ion Ratio Lower Upper
114 100
63 16.6 0.0 34.4
88 14.5 0.0 29.2



#35
Dibromofluoromethane
Concen: 50.731 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion:113 Resp: 110078
Ion Ratio Lower Upper
113 100
111 101.7 81.0 121.6
192 20.0 16.2 24.2

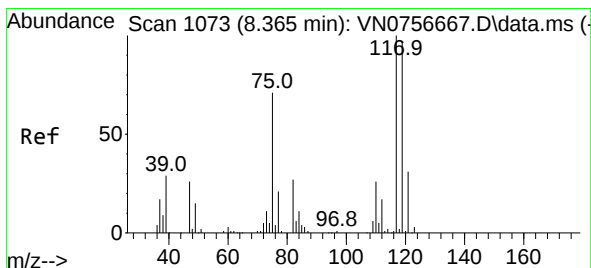
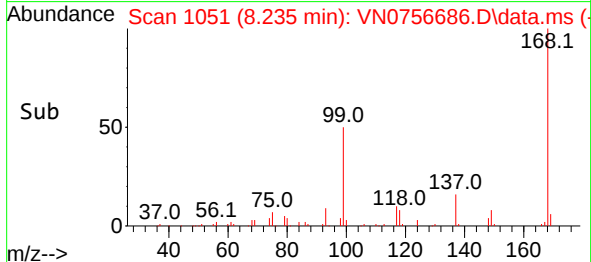
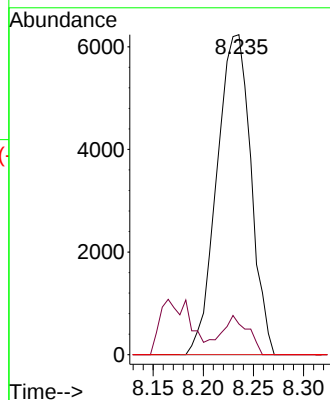
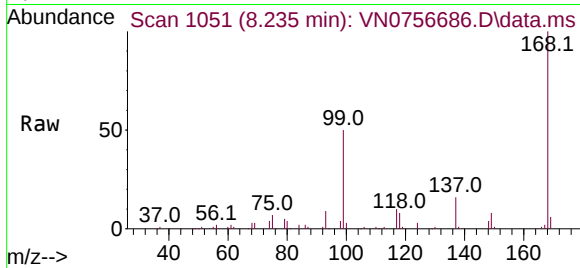




#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

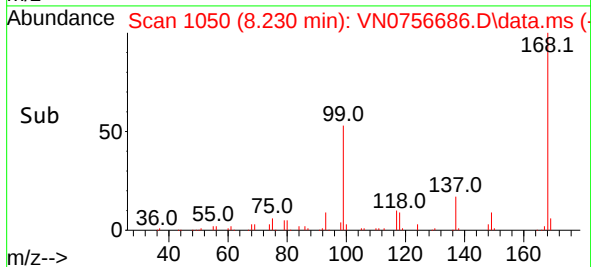
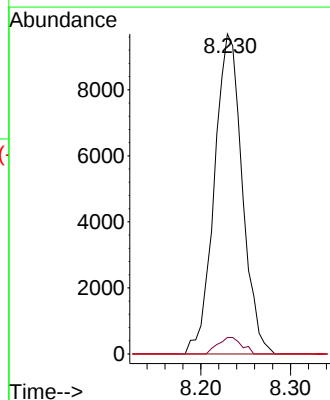
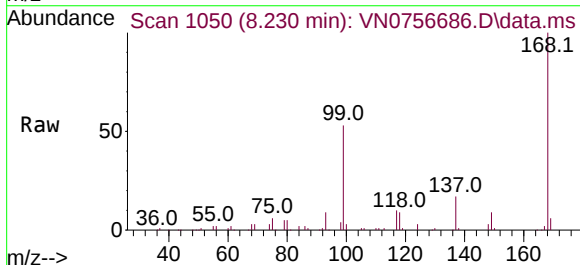
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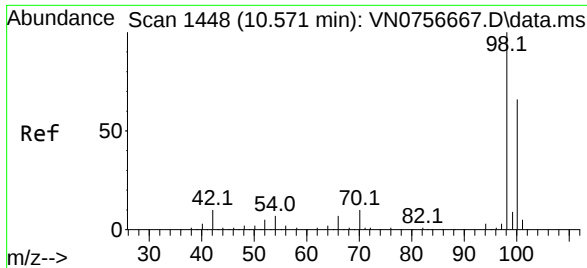
Tgt Ion: 75 Resp: 14722
Ion Ratio Lower Upper
75 100
110 8.6 18.9 56.9#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion: 117 Resp: 20876
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 24.6 37.0#

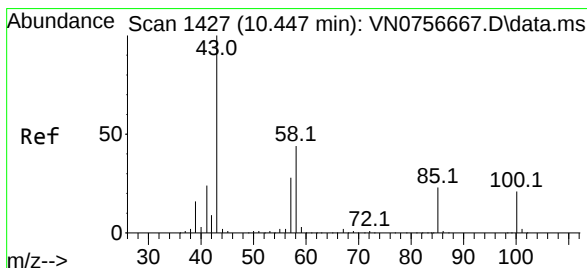
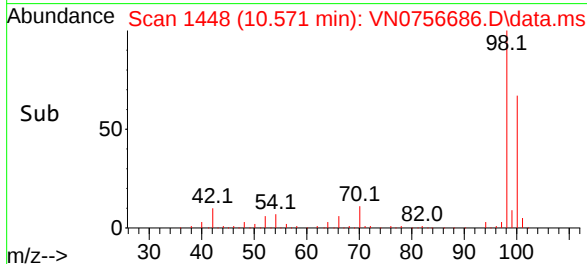
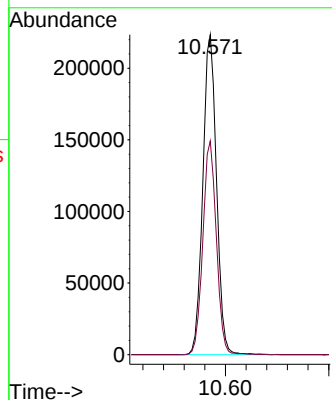
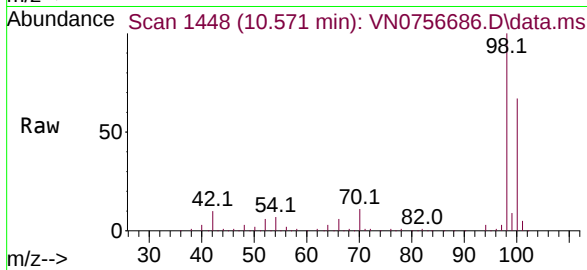




#50
Toluene-d8
Concen: 50.266 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

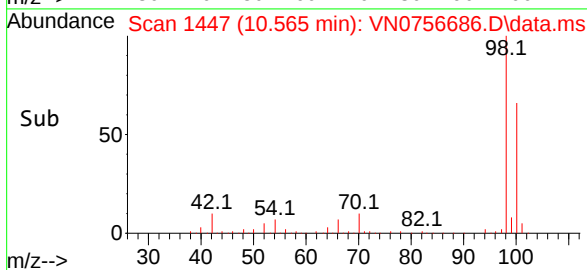
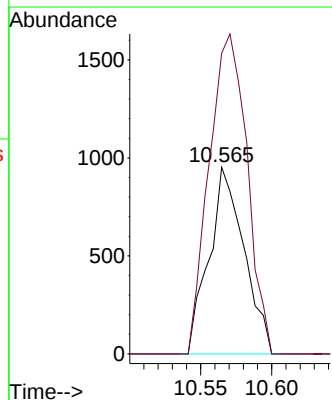
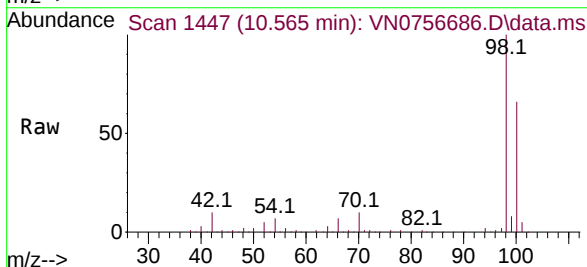
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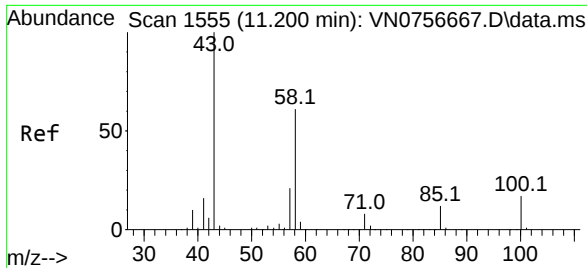
Tgt Ion: 98 Resp: 409598
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.685 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 186.1 35.0 52.6#





#59

2-Hexanone

Concen: 0.220 ug/l

RT: 11.206 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN0756686.D

Acq: 10 Dec 2022 03:35

Instrument :

MSVOA_N

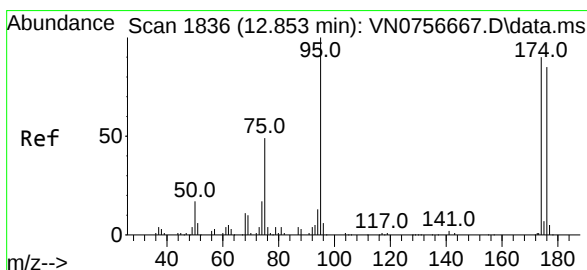
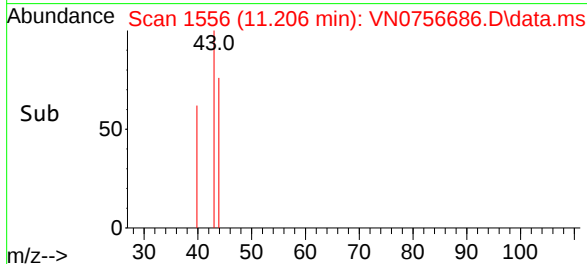
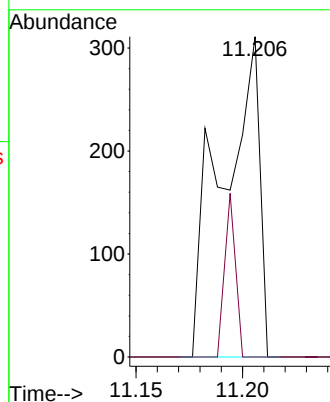
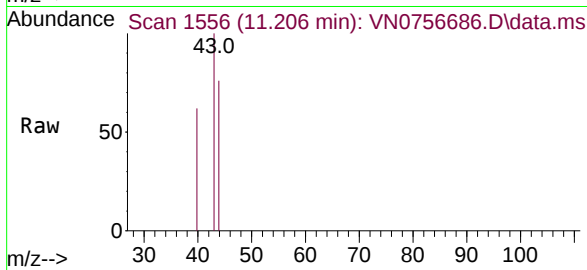
ClientSampleId :

Tgt Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

58 14.7 30.9 92.5#



#62

4-Bromofluorobenzene

Concen: 48.174 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN0756686.D

Acq: 10 Dec 2022 03:35

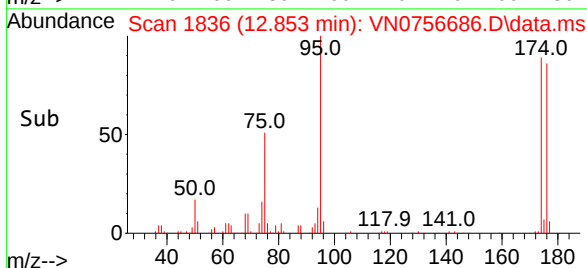
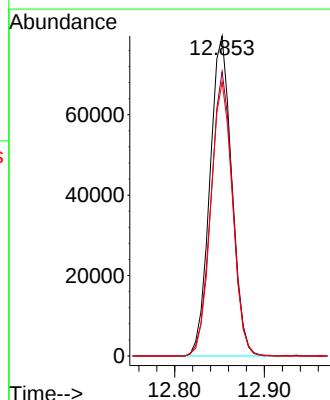
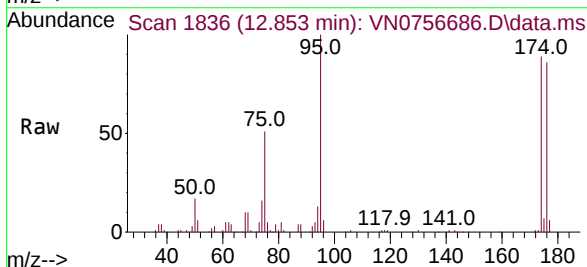
Tgt Ion: 95 Resp: 134218

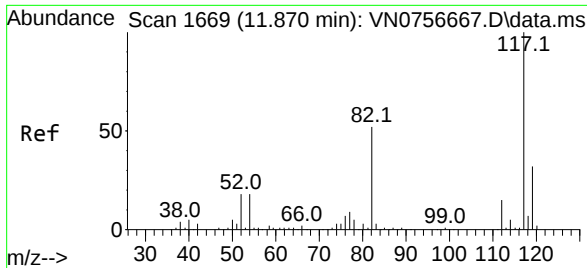
Ion Ratio Lower Upper

95 100

174 88.7 0.0 178.6

176 85.3 0.0 170.8

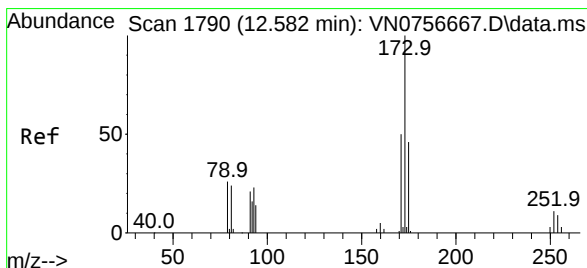
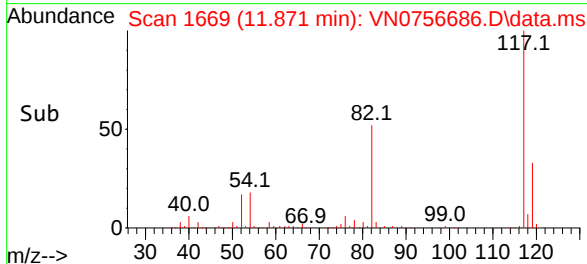
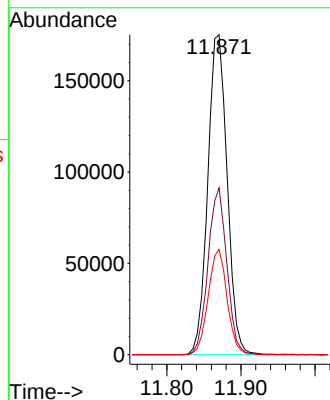
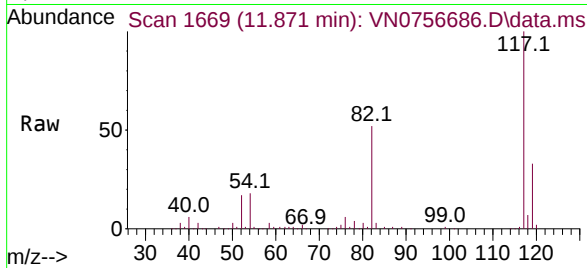




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

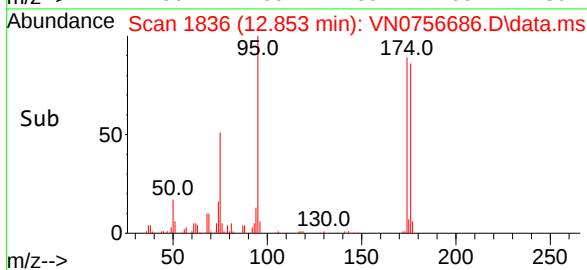
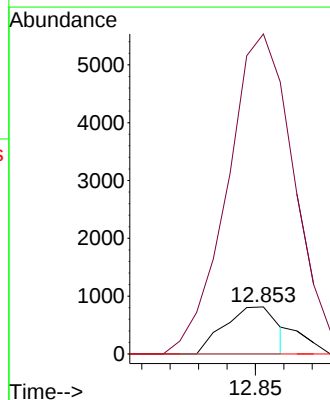
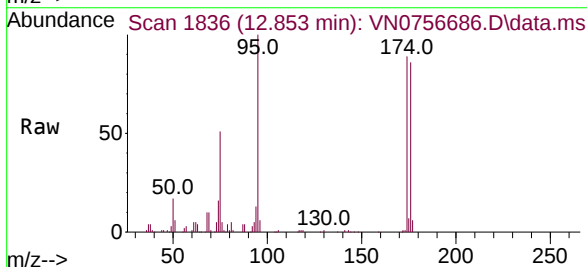
Instrument :
MSVOA_N
ClientSampleId :

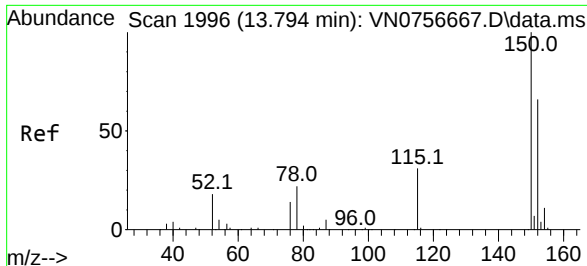
Tgt Ion:117 Resp: 318328
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.9 25.8 38.6



#71
Bromoform
Concen: 0.587 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

Tgt Ion:173 Resp: 1060
Ion Ratio Lower Upper
173 100
175 702.9 23.8 71.2#
254 0.0 0.0 0.0

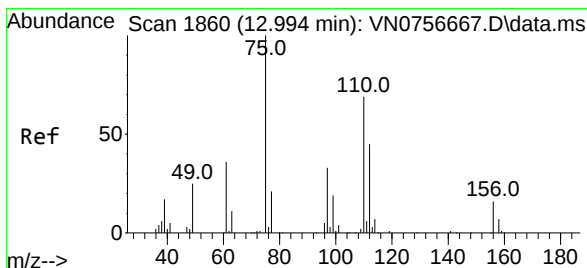
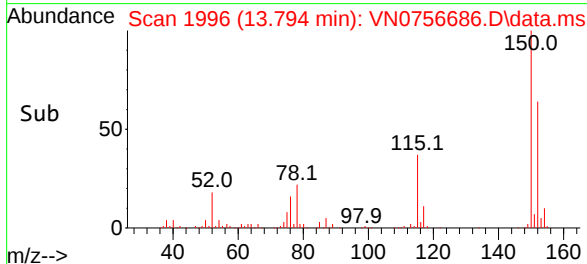
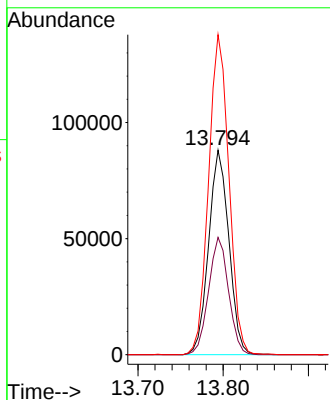
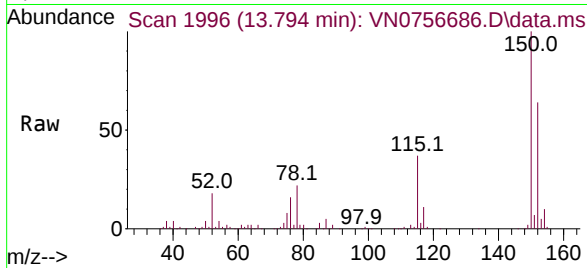




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN0756686.D
 Acq: 10 Dec 2022 03:35

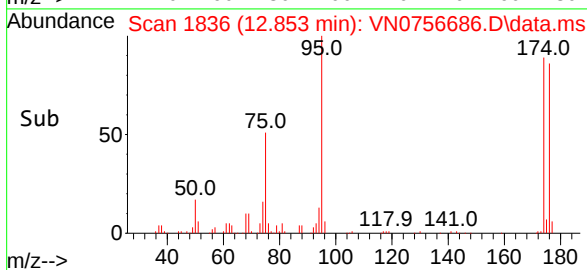
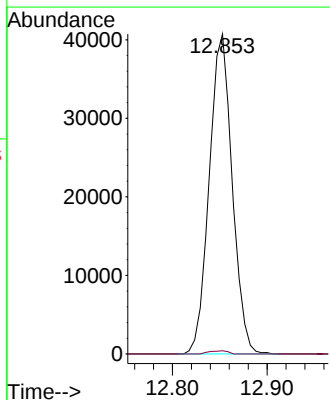
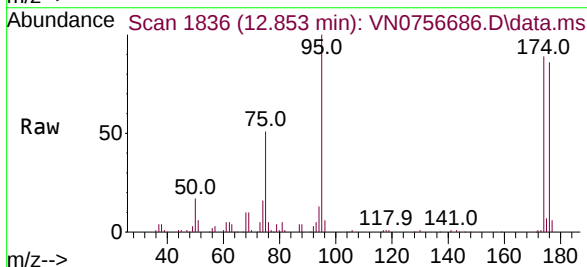
Instrument :
 MSVOA_N
 ClientSampleId :

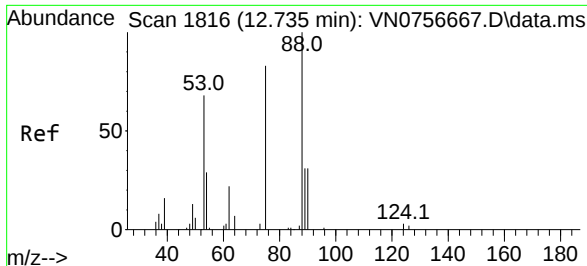
Tgt Ion:152 Resp: 145372
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.4 85.2
 150 157.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.515 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN0756686.D
 Acq: 10 Dec 2022 03:35

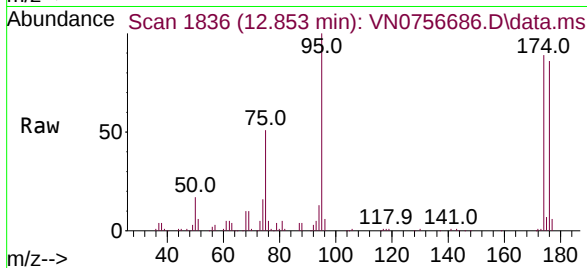
Tgt Ion: 75 Resp: 68651
 Ion Ratio Lower Upper
 75 100
 77 0.8 81.8 245.4#



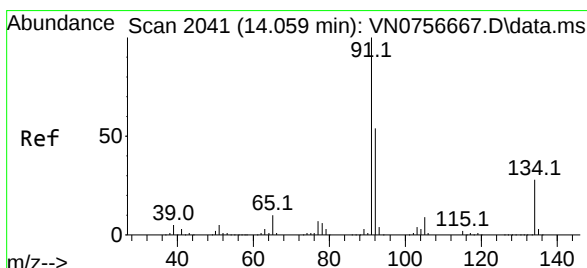
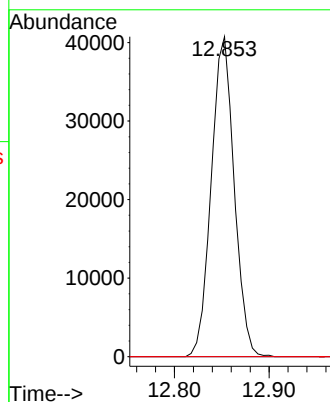
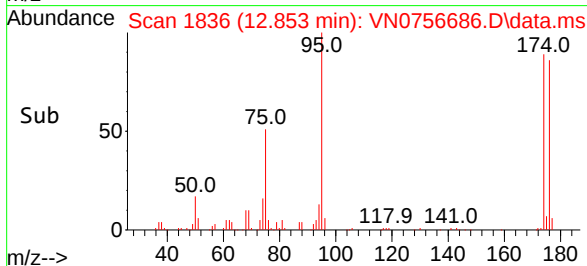


#81
trans-1,4-Dichloro-2-butene
Concen: 75.185 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

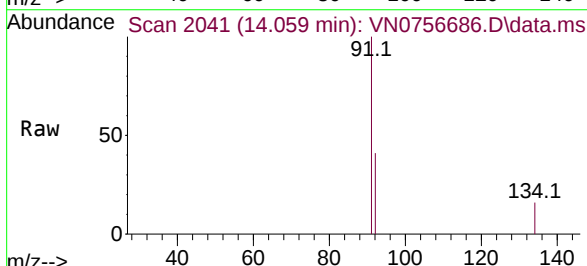
Instrument :
MSVOA_N
ClientSampleId :



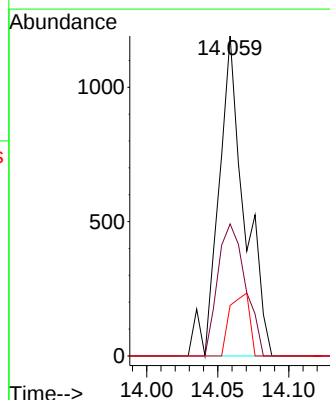
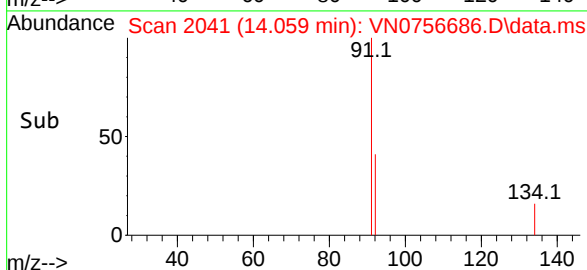
Tgt Ion: 75 Resp: 68651
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

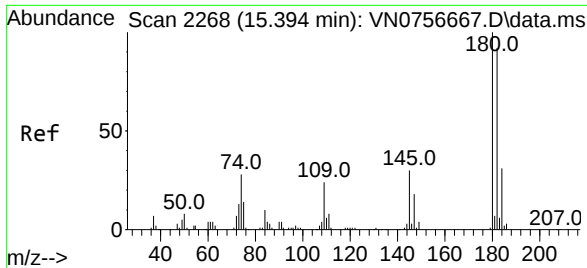


#89
n-Butylbenzene
Concen: 0.207 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35



Tgt Ion: 91 Resp: 1510
Ion Ratio Lower Upper
91 100
92 44.0 26.7 80.1
134 14.8 13.9 41.7

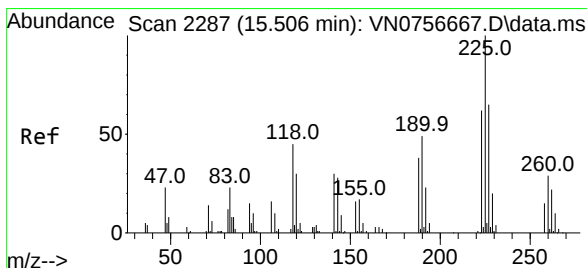
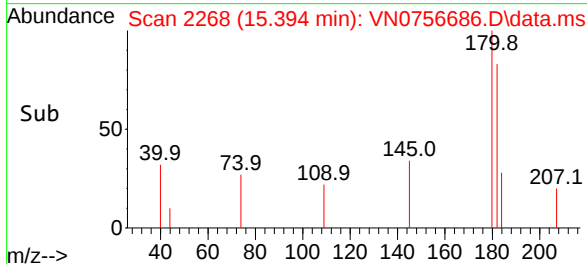
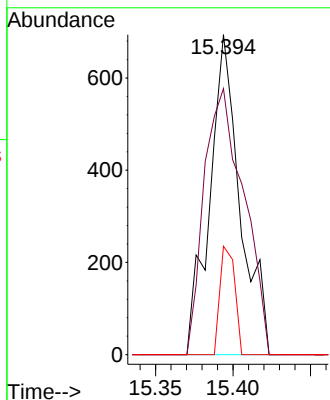
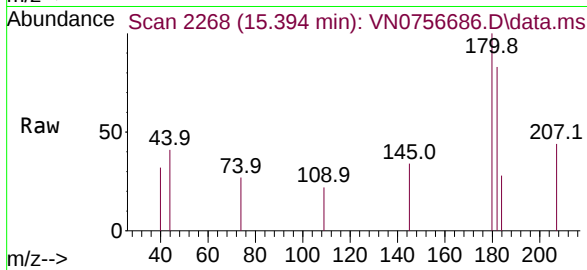




#93
 1,2,4-Trichlorobenzene
 Concen: 0.405 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN0756686.D
 Acq: 10 Dec 2022 03:35

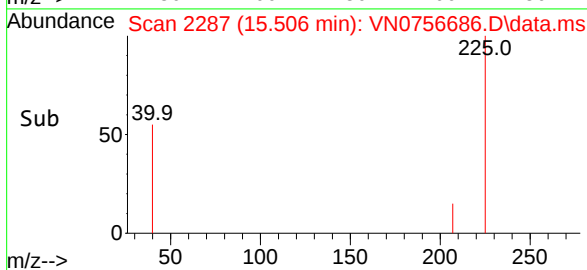
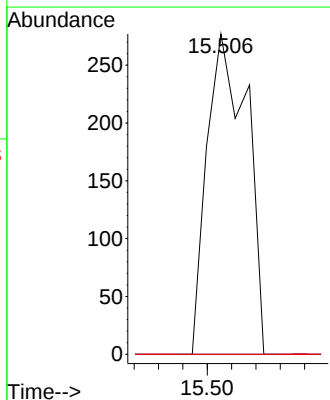
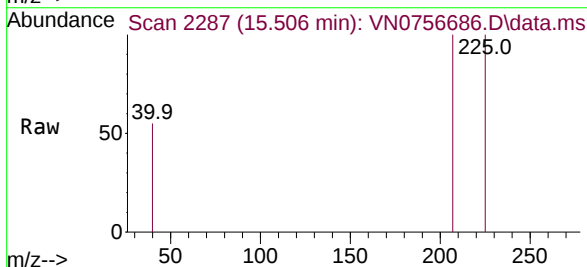
Instrument :
 MSVOA_N
 ClientSampleId :

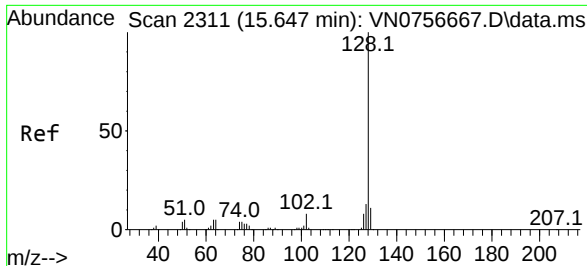
Tgt Ion:180	Resp:	949
Ion Ratio	Lower	Upper
180	100	
182	108.2	47.1 141.3
145	16.4	15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 0.237 ug/l
 RT: 15.506 min Scan# 2287
 Delta R.T. 0.000 min
 Lab File: VN0756686.D
 Acq: 10 Dec 2022 03:35

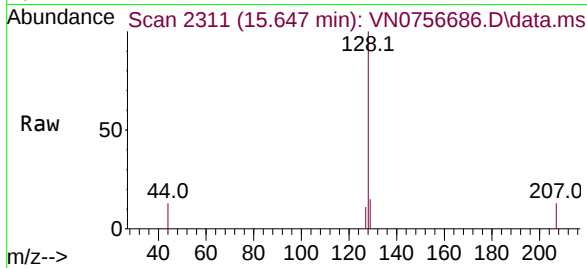
Tgt Ion:225	Resp:	315
Ion Ratio	Lower	Upper
225	100	
223	0.0	31.4 94.2#
227	0.0	31.3 93.9#



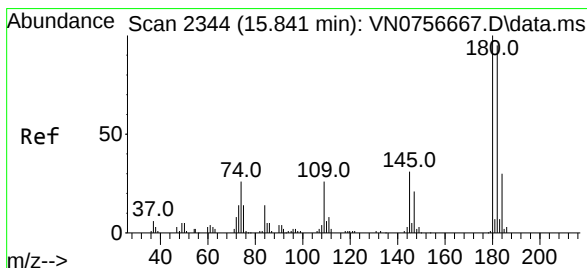
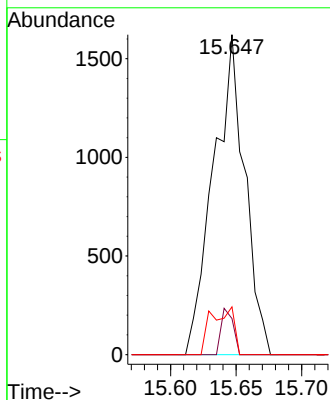
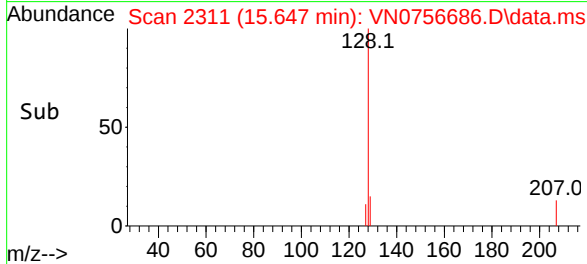


#95
Naphthalene
Concen: 0.388 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35

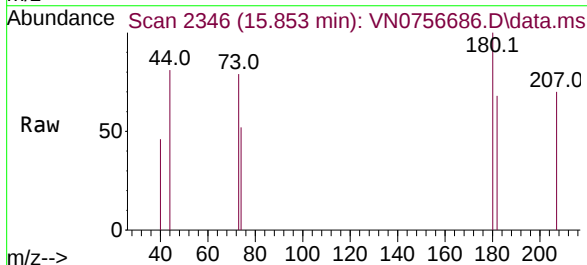
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2691
Ion Ratio Lower Upper
128 100
127 5.5 10.2 15.4#
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 0.255 ug/l
RT: 15.853 min Scan# 2346
Delta R.T. 0.012 min
Lab File: VN0756686.D
Acq: 10 Dec 2022 03:35



Tgt Ion:180 Resp: 588
Ion Ratio Lower Upper
180 100
182 97.8 46.8 140.4
145 11.4 15.6 46.8#

