

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756698.D
 Acq On : 10 Dec 2022 08:21
 Operator : JC\MD
 Sample : N5989-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:57:38 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

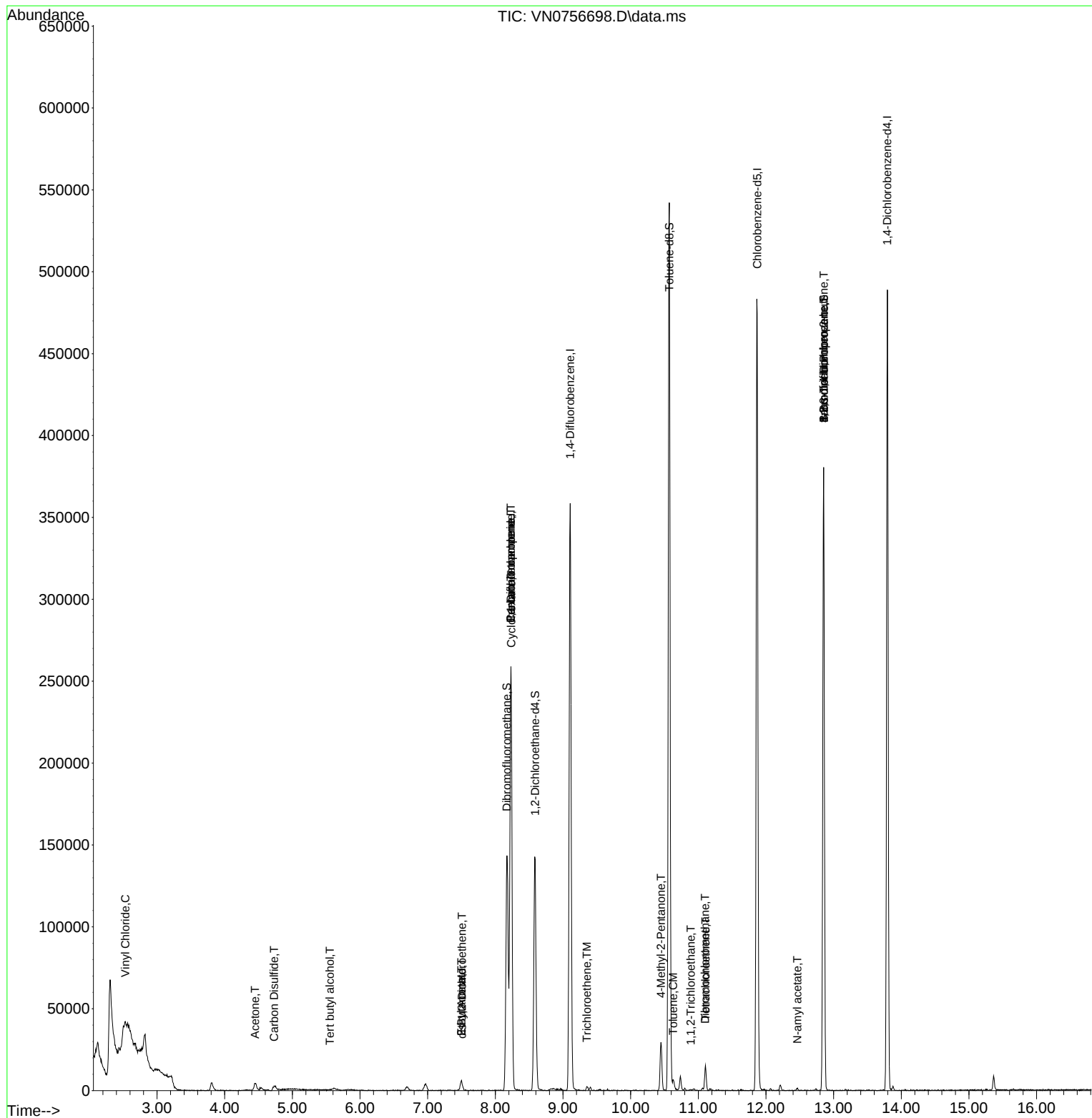
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	203537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	338965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	301831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	116184	53.799	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.600%		
35) Dibromofluoromethane	8.171	113	104937	50.741	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.480%		
50) Toluene-d8	10.571	98	395708	50.950	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.900%		
62) 4-Bromofluorobenzene	12.853	95	126761	47.736	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.480%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.530	62	3736	1.705	ug/l #	1
11) Tert butyl alcohol	5.553	59	176	0.551	ug/l #	72
16) Acetone	4.447	43	8722	11.926	ug/l	92
17) Carbon Disulfide	4.730	76	4902	1.062	ug/l #	74
25) 2-Butanone	7.500	43	3635	3.400	ug/l	97
27) cis-1,2-Dichloroethene	7.506	96	2429	1.027	ug/l	93
31) Cyclohexane	8.235	56	3472	1.086	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	14057	5.119	ug/l #	49
37) Ethyl Acetate	7.500	43	3635	1.649	ug/l #	3
38) Carbon Tetrachloride	8.229	117	20055	6.329	ug/l #	17
44) Trichloroethene	9.353	130	1146	0.482	ug/l	71
51) 4-Methyl-2-Pentanone	10.447	43	19021	8.381	ug/l	100
52) Toluene	10.629	92	2542	0.456	ug/l	89
55) 1,1,2-Trichloroethane	10.888	97	850	0.388	ug/l #	18
60) Dibromochloromethane	11.100	129	3032	1.258	ug/l #	11
64) Tetrachloroethene	11.106	164	3608	1.641	ug/l #	86
71) Bromoform	12.853	173	1334	0.779	ug/l #	1
74) N-amyl acetate	12.465	43	1030	0.353	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	65884	23.445	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65884	74.969	ug/l #	13

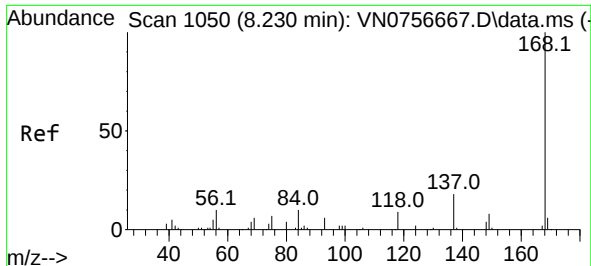
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 12 03:01:58 2022
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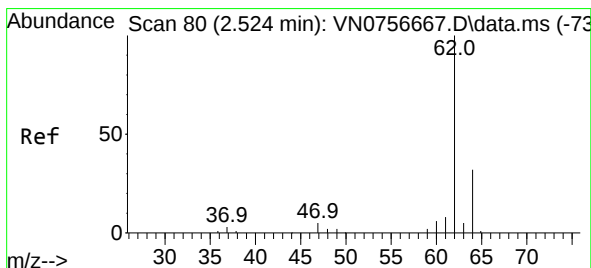
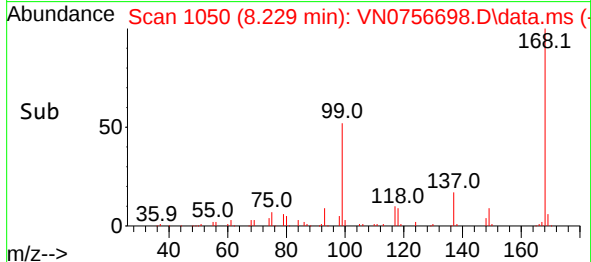
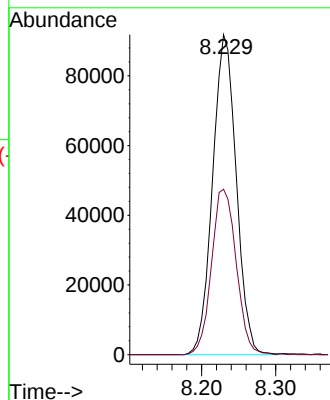
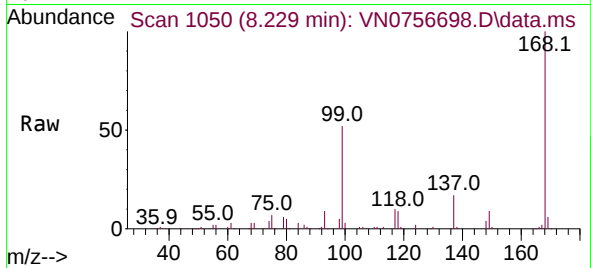




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

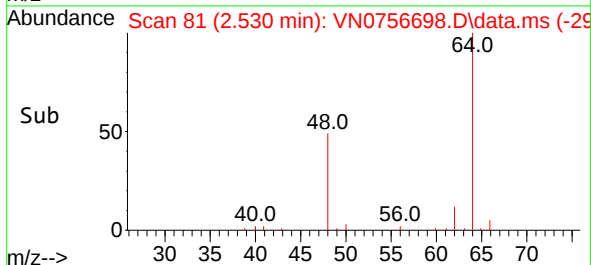
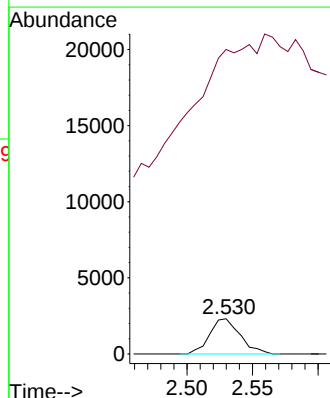
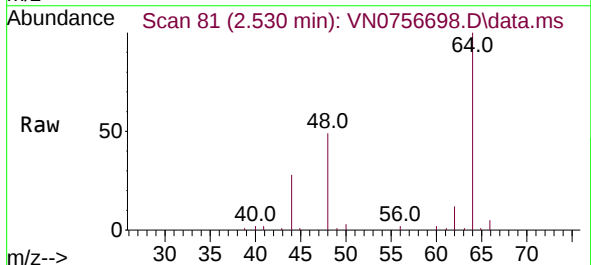
Instrument :
MSVOA_N
ClientSampleId :

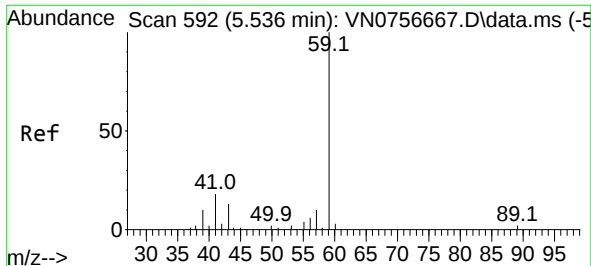
Tgt Ion:168 Resp: 203537
Ion Ratio Lower Upper
168 100
99 51.7 41.2 61.8



#4
Vinyl Chloride
Concen: 1.705 ug/l
RT: 2.530 min Scan# 81
Delta R.T. 0.006 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Tgt Ion: 62 Resp: 3736
Ion Ratio Lower Upper
62 100
64 205.5 25.9 38.9#

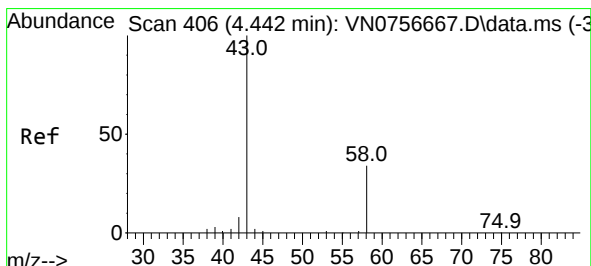
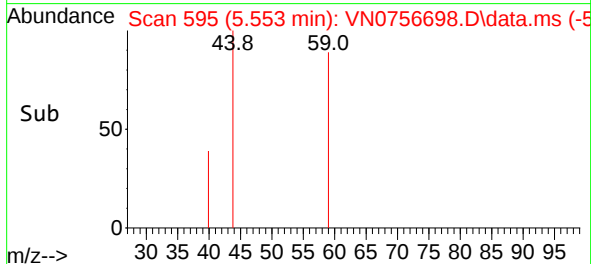
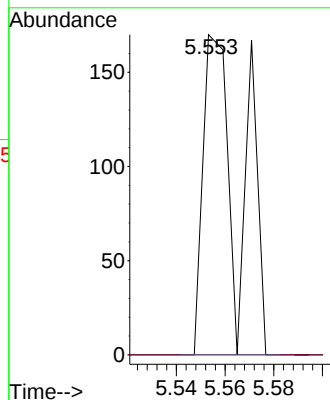
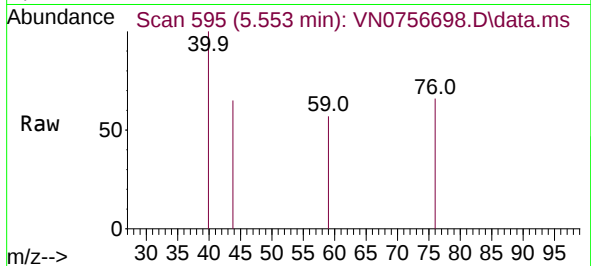




#11
Tert butyl alcohol
Concen: 0.551 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.018 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

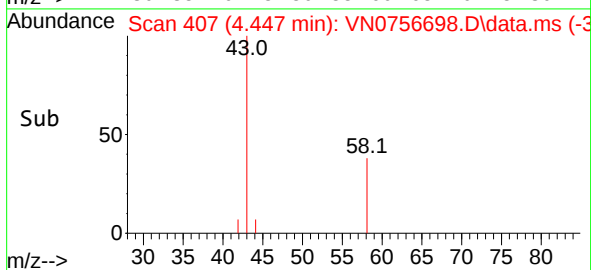
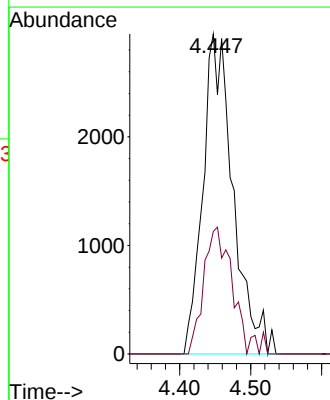
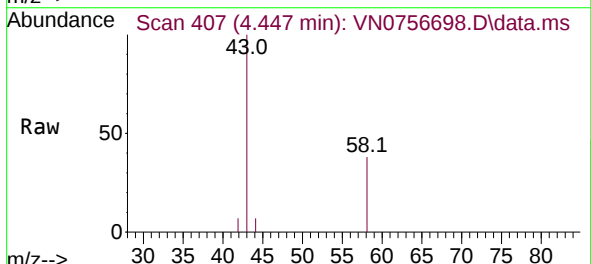
Instrument :
MSVOA_N
ClientSampleId :

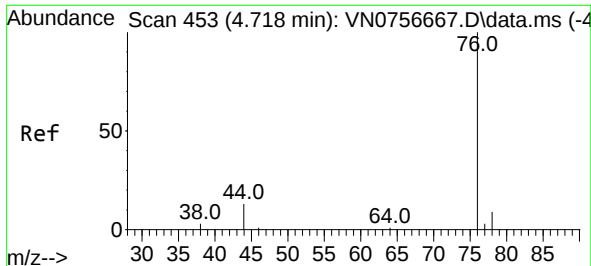
Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 11.926 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Tgt Ion: 43 Resp: 8722
Ion Ratio Lower Upper
43 100
58 38.3 27.0 40.4

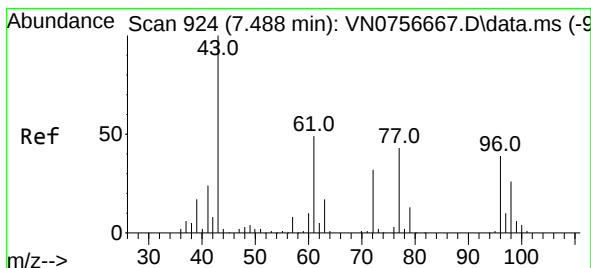
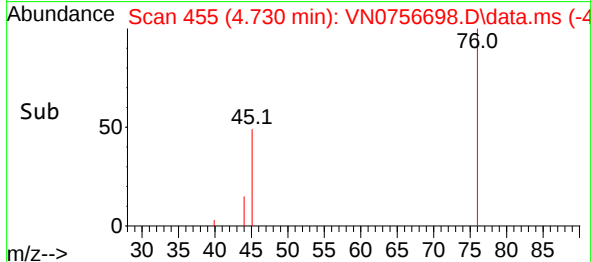
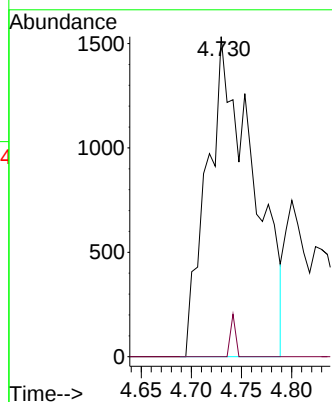
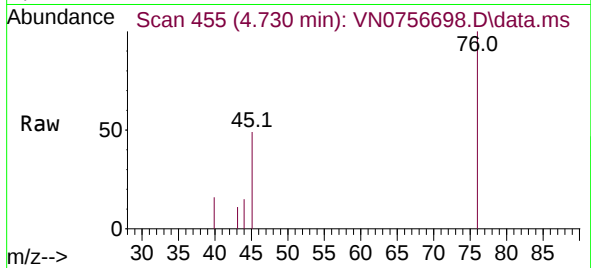




#17
Carbon Disulfide
Concen: 1.062 ug/l
RT: 4.730 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

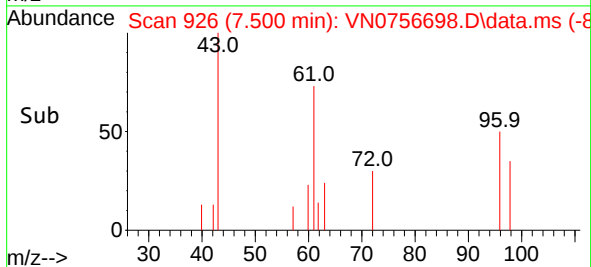
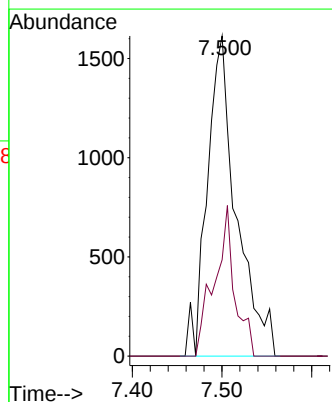
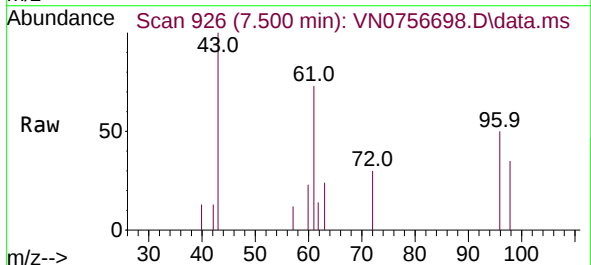
Instrument :
MSVOA_N
ClientSampleId :

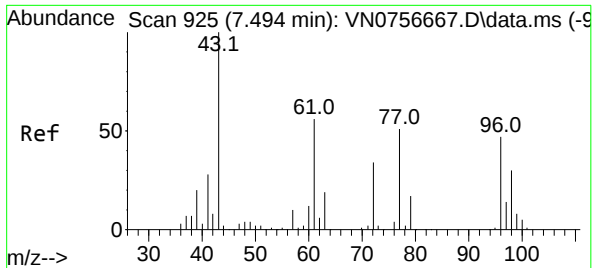
Tgt Ion: 76 Resp: 4902
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#25
2-Butanone
Concen: 3.400 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Tgt Ion: 43 Resp: 3635
Ion Ratio Lower Upper
43 100
72 30.0 25.3 37.9

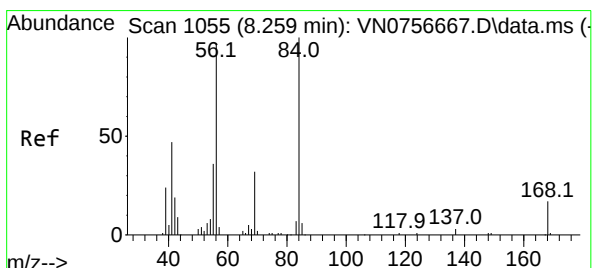
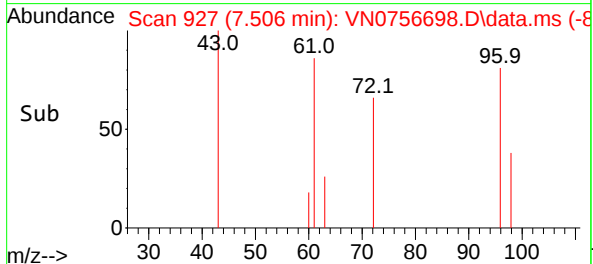
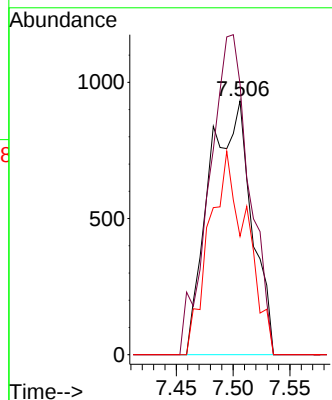
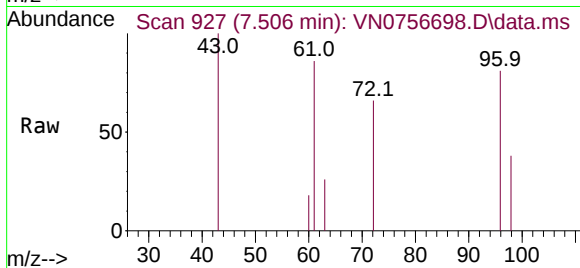




#27
 cis-1,2-Dichloroethene
 Concen: 1.027 ug/l
 RT: 7.506 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VN0756698.D
 Acq: 10 Dec 2022 08:21

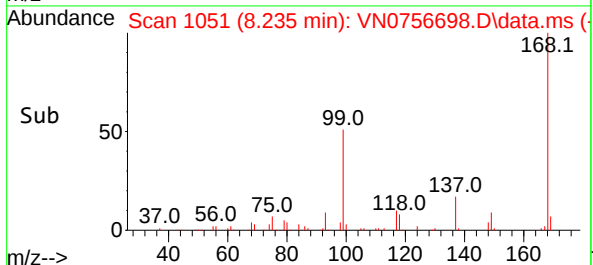
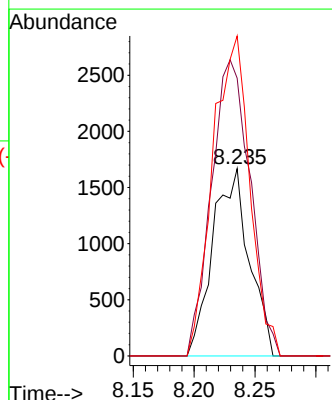
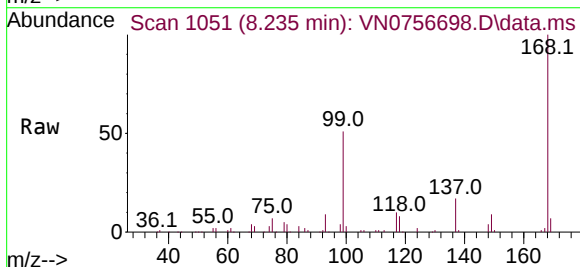
Instrument :
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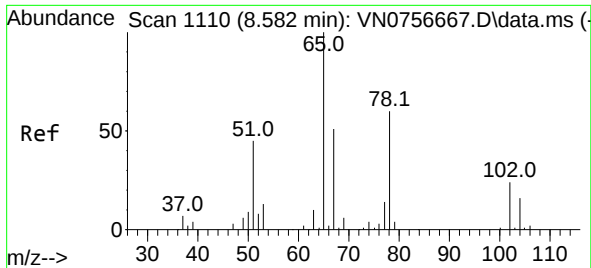
Tgt Ion: 96 Resp: 2429
 Ion Ratio Lower Upper
 96 100
 61 118.4 0.0 247.8
 98 70.9 0.0 126.0



#31
 Cyclohexane
 Concen: 1.086 ug/l
 RT: 8.235 min Scan# 1051
 Delta R.T. -0.024 min
 Lab File: VN0756698.D
 Acq: 10 Dec 2022 08:21

Tgt Ion: 56 Resp: 3472
 Ion Ratio Lower Upper
 56 100
 69 148.3 26.2 39.2#
 84 170.9 82.8 124.2#

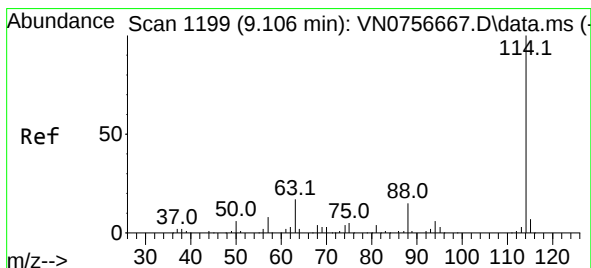
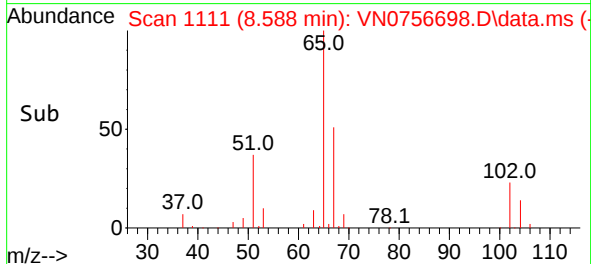
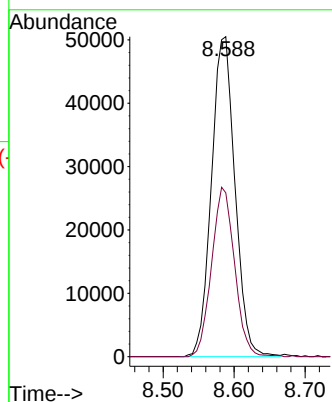
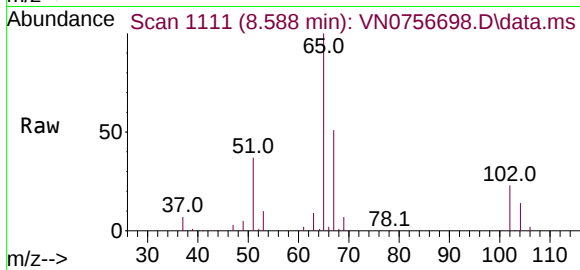




#33
 1,2-Dichloroethane-d4
 Concen: 53.799 ug/l
 RT: 8.588 min Scan# 1111
 Delta R.T. 0.006 min
 Lab File: VN0756698.D
 Acq: 10 Dec 2022 08:21

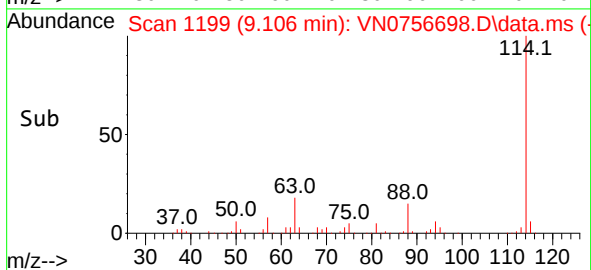
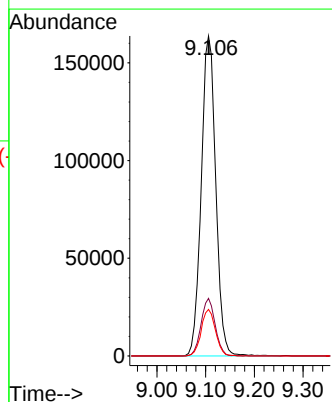
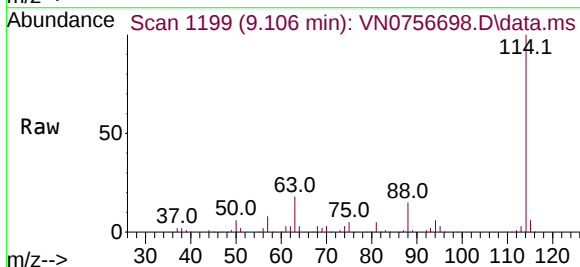
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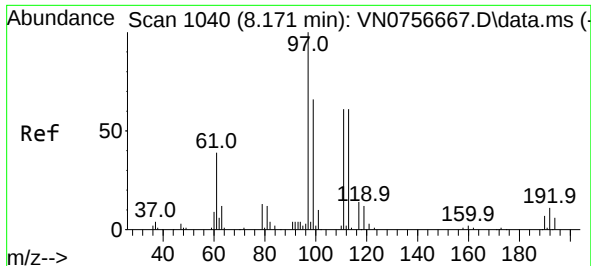
Tgt Ion: 65 Resp: 116184
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN0756698.D
 Acq: 10 Dec 2022 08:21

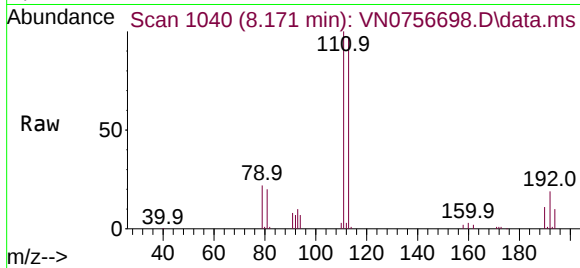
Tgt Ion: 114 Resp: 338965
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.4
 88 14.5 0.0 29.2



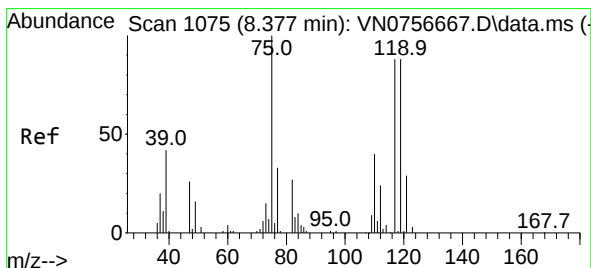
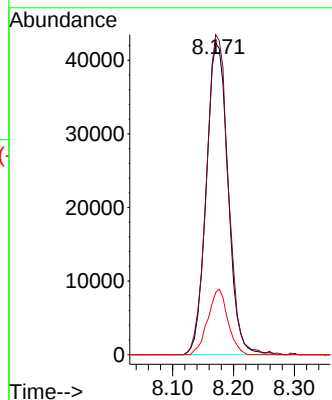
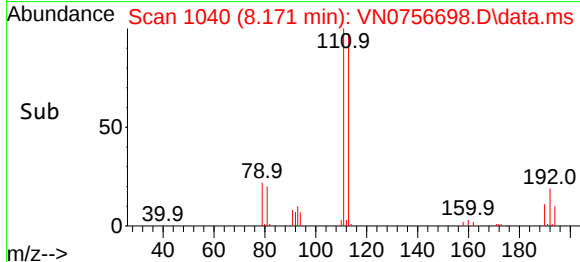


#35
Dibromofluoromethane
Concen: 50.741 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

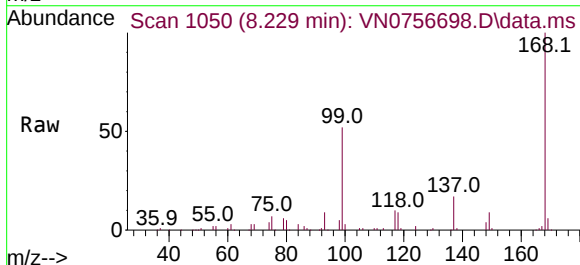
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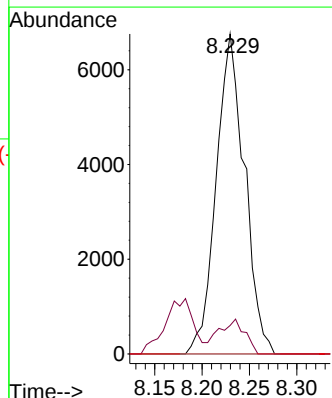
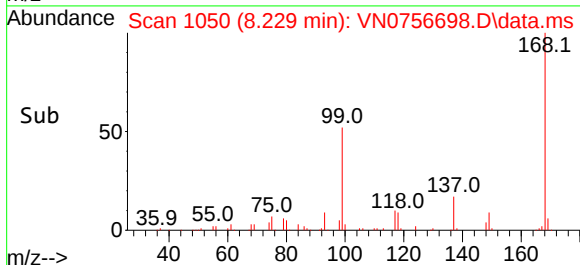
Tgt Ion:113 Resp: 104937
Ion Ratio Lower Upper
113 100
111 102.5 81.0 121.6
192 19.3 16.2 24.2

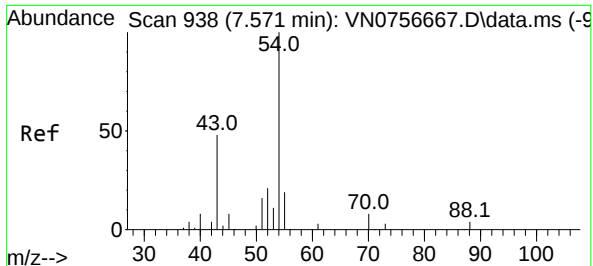


#36
1,1-Dichloropropene
Concen: 5.119 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21



Tgt Ion: 75 Resp: 14057
Ion Ratio Lower Upper
75 100
110 9.8 18.9 56.9#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.649 ug/l

RT: 7.500 min Scan# 91

Delta R.T. -0.071 min

Lab File: VN0756698.D

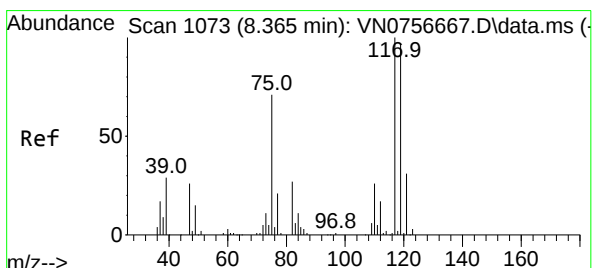
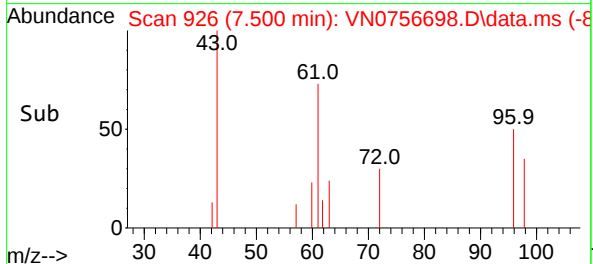
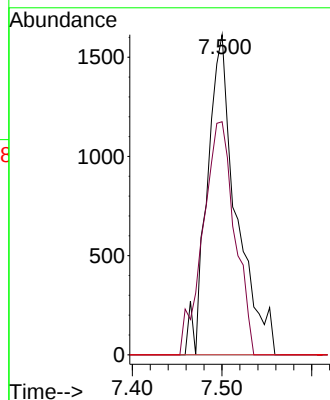
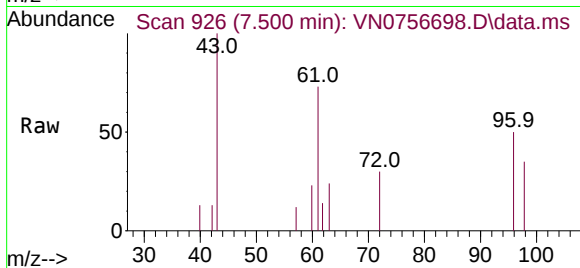
Acq: 10 Dec 2022 08:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	3635
Ion	Ratio	Lower	Upper
43	100		
61	79.1	13.3	19.9#
70	0.0	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 6.329 ug/l

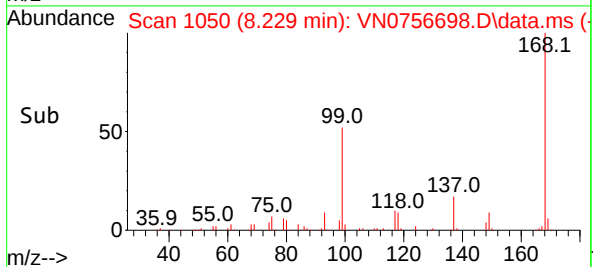
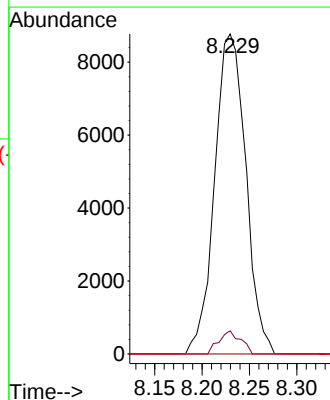
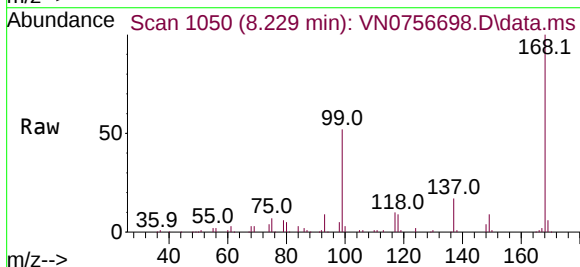
RT: 8.229 min Scan# 1050

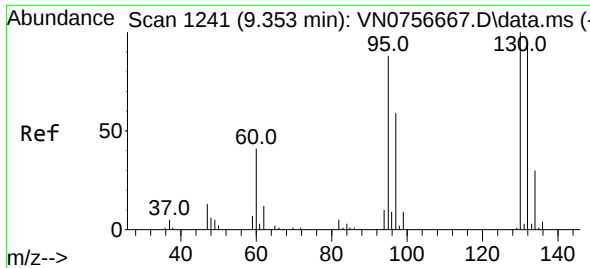
Delta R.T. -0.135 min

Lab File: VN0756698.D

Acq: 10 Dec 2022 08:21

Tgt Ion:	117	Resp:	20055
Ion	Ratio	Lower	Upper
117	100		
119	7.3	77.2	115.8#
121	0.0	24.6	37.0#

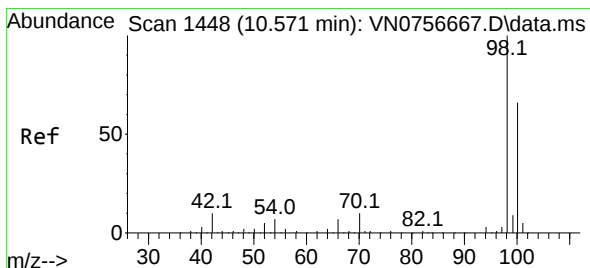
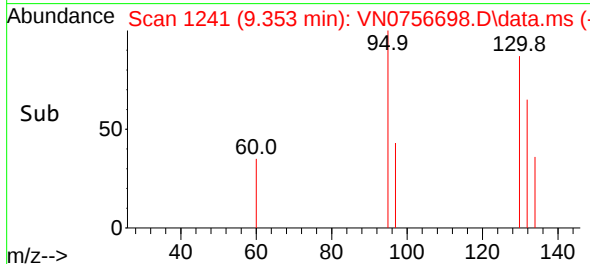
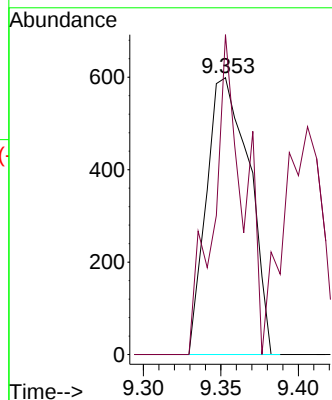
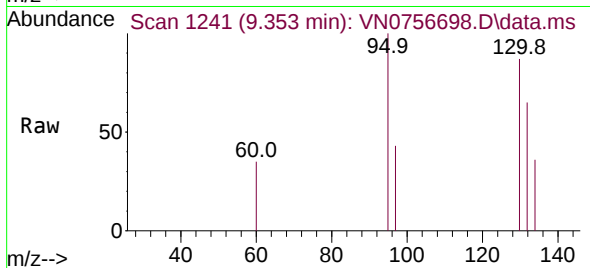




#44
Trichloroethene
Concen: 0.482 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

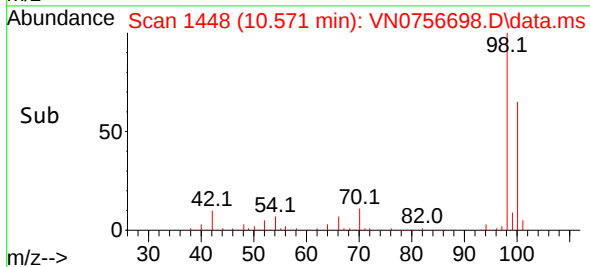
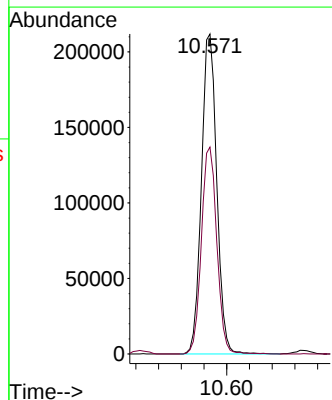
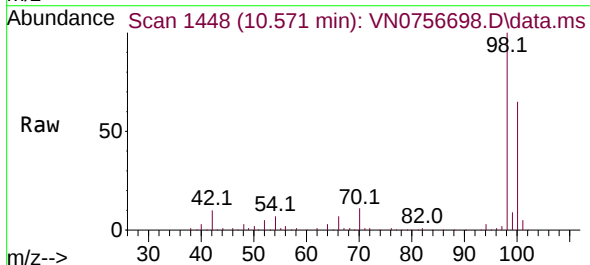
Instrument :
MSVOA_N
ClientSampleId :

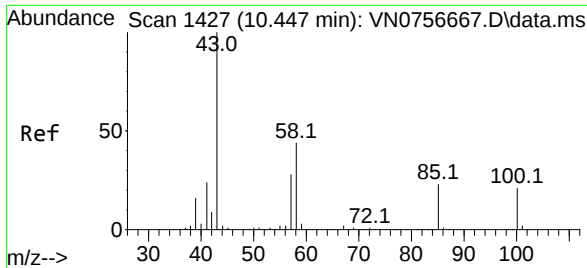
Tgt Ion:130 Resp: 1146
Ion Ratio Lower Upper
130 100
95 115.5 0.0 176.8



#50
Toluene-d8
Concen: 50.950 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Tgt Ion: 98 Resp: 395708
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

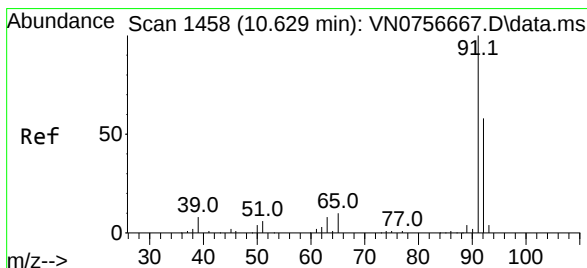
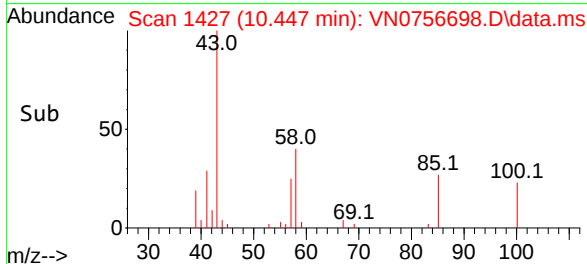
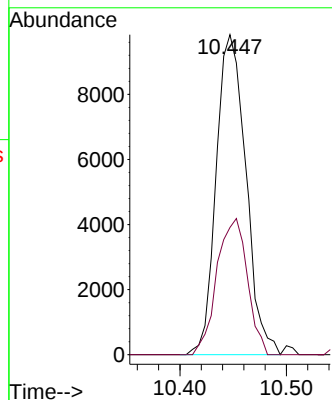
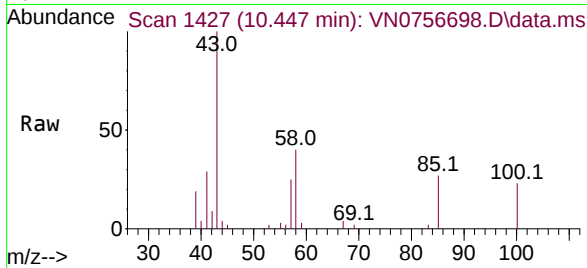




#51
4-Methyl-2-Pentanone
Concen: 8.381 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

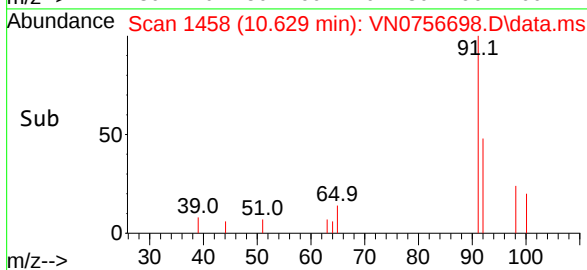
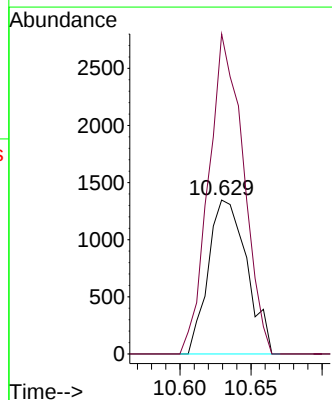
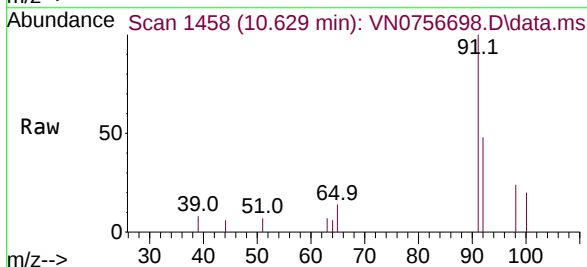
Instrument :
MSVOA_N
ClientSampleId :

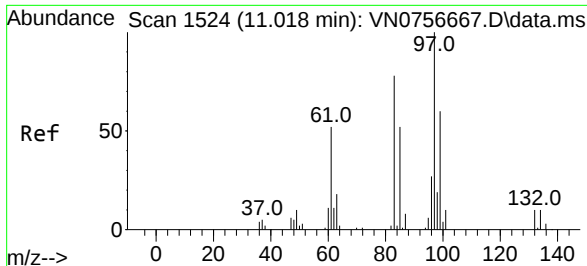
Tgt Ion: 43 Resp: 19021
Ion Ratio Lower Upper
43 100
58 43.7 35.0 52.6



#52
Toluene
Concen: 0.456 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

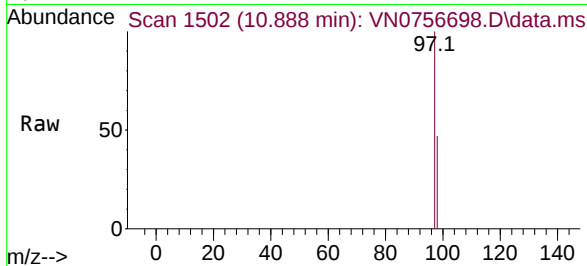
Tgt Ion: 92 Resp: 2542
Ion Ratio Lower Upper
92 100
91 187.3 137.9 206.9



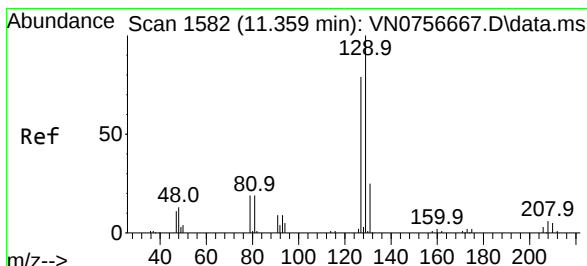
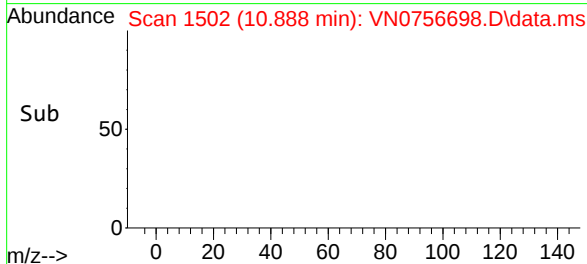
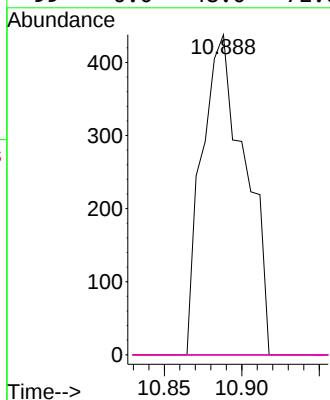


#55
1,1,2-Trichloroethane
Concen: 0.388 ug/l
RT: 10.888 min Scan# 1502
Delta R.T. -0.129 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Instrument :
MSVOA_N
ClientSampleId :

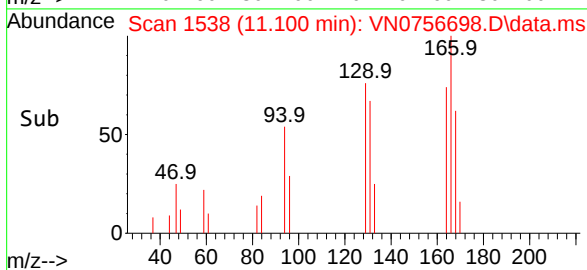
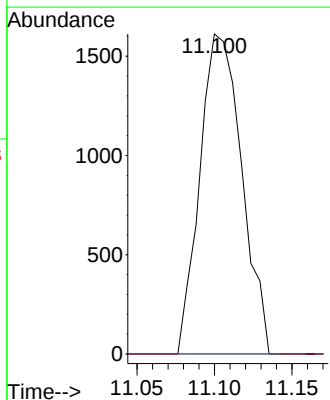
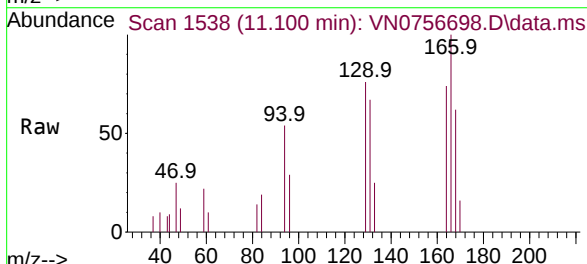


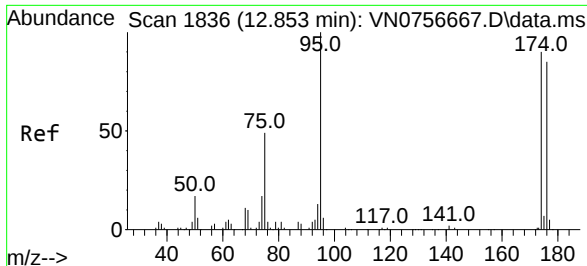
Tgt Ion: 97	Resp:	850
Ion	Ratio	Lower Upper
97	100	
83	0.0	62.7 94.1#
85	0.0	41.8 62.6#
99	0.0	48.0 72.0#



#60
Dibromochloromethane
Concen: 1.258 ug/l
RT: 11.100 min Scan# 1538
Delta R.T. -0.259 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Tgt Ion: 129	Resp:	3032
Ion	Ratio	Lower Upper
129	100	
127	0.0	38.6 116.0#

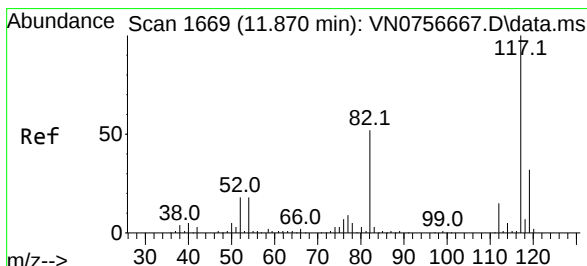
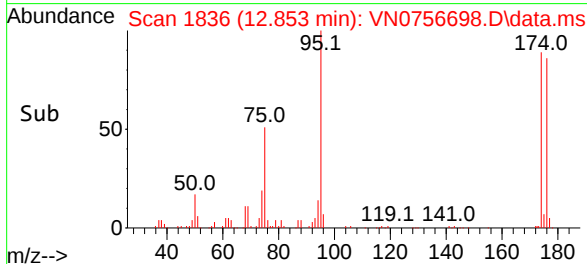
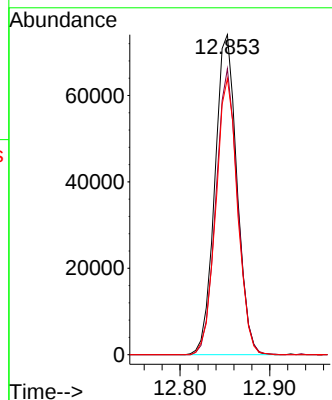
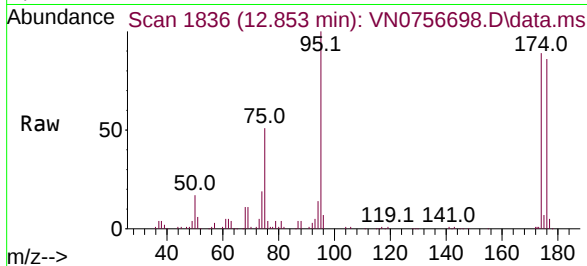




#62
4-Bromofluorobenzene
Concen: 47.736 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

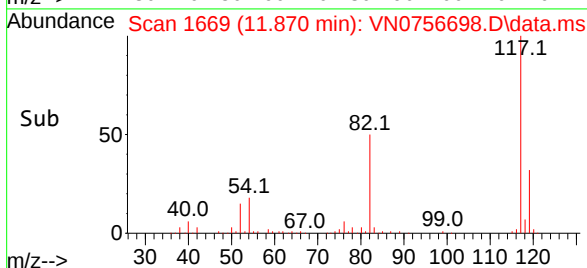
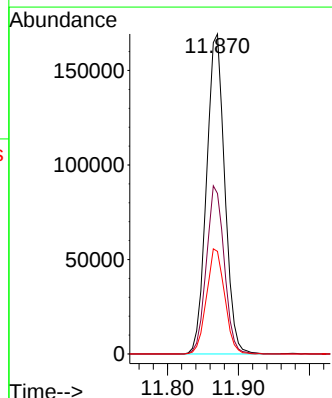
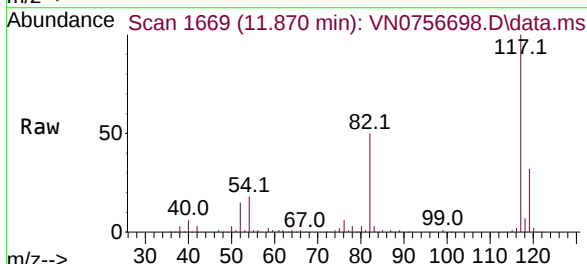
Instrument :
MSVOA_N
ClientSampleId :

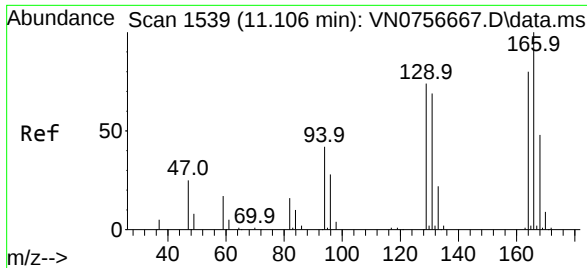
Tgt Ion: 95 Resp: 126761
Ion Ratio Lower Upper
95 100
174 87.3 0.0 178.6
176 84.6 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

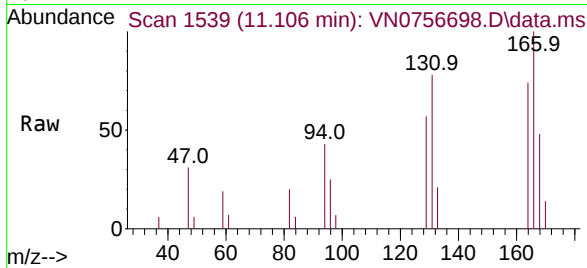
Tgt Ion: 117 Resp: 301831
Ion Ratio Lower Upper
117 100
82 50.2 41.8 62.8
119 32.1 25.8 38.6



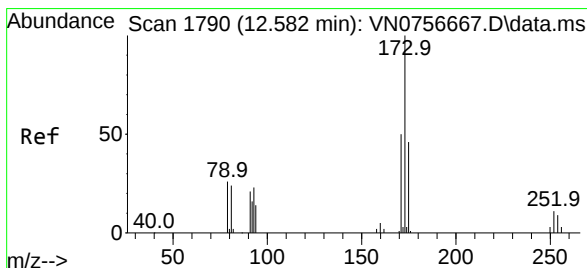
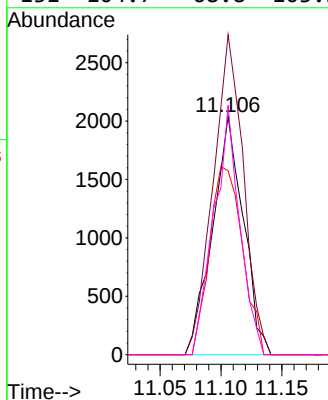
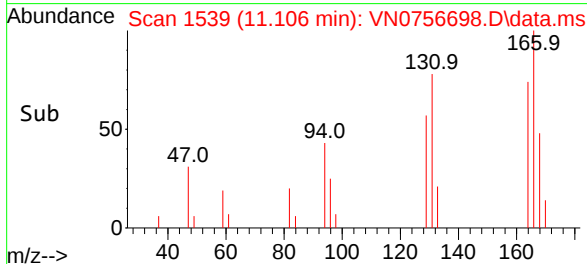


#64
Tetrachloroethene
Concen: 1.641 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

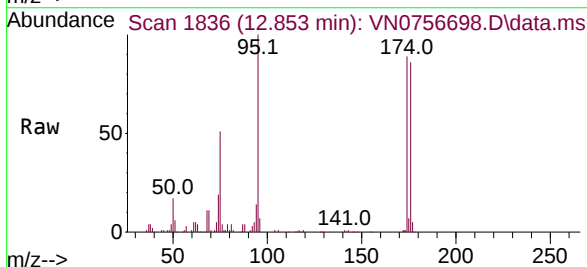
Instrument :
MSVOA_N
ClientSampleId :



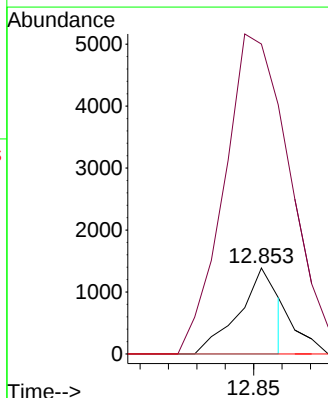
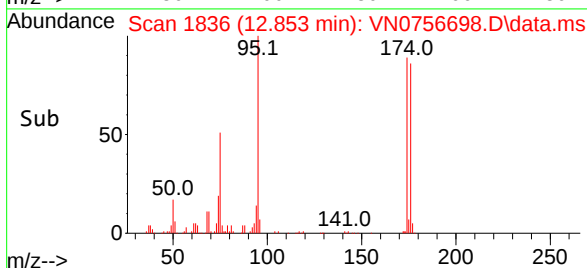
Tgt Ion:164 Resp: 3608
Ion Ratio Lower Upper
164 100
166 134.3 100.3 150.5
129 77.1 73.9 110.9
131 104.7 68.8 103.2#

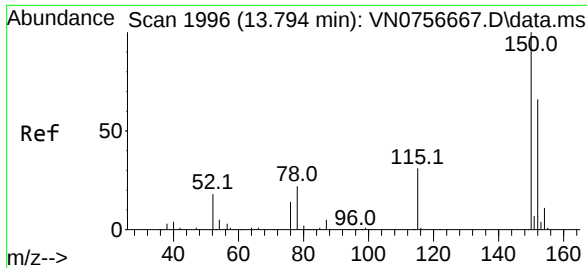


#71
Bromoform
Concen: 0.779 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21



Tgt Ion:173 Resp: 1334
Ion Ratio Lower Upper
173 100
175 513.9 23.8 71.2#
254 0.0 0.0 0.0

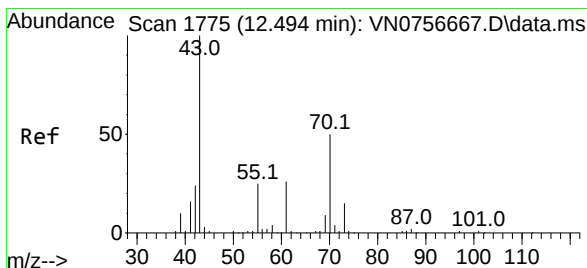
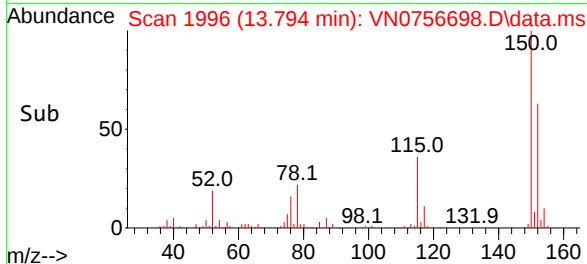
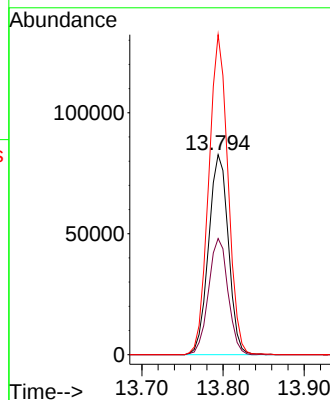
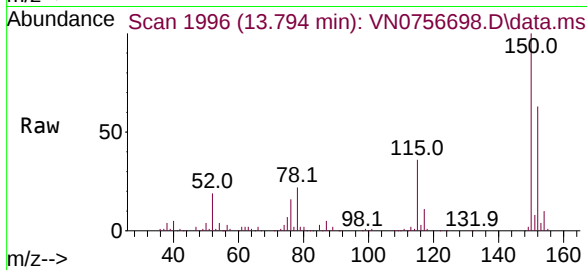




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN0756698.D
 Acq: 10 Dec 2022 08:21

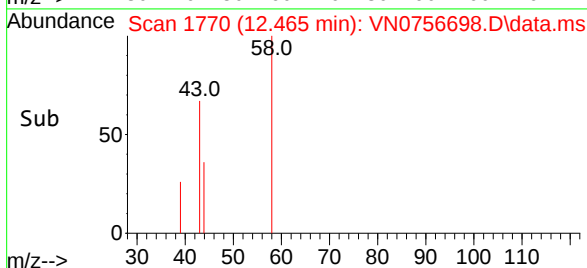
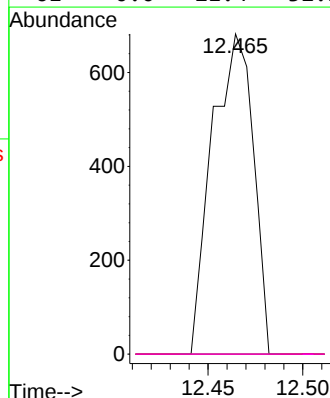
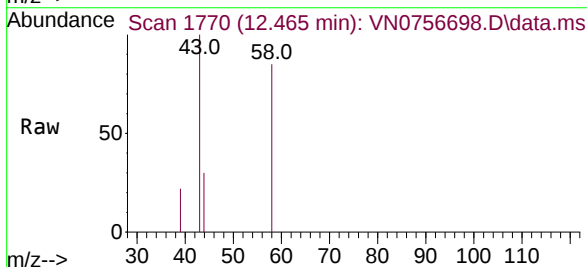
Instrument :
 MSVOA_N
 ClientSampleId :

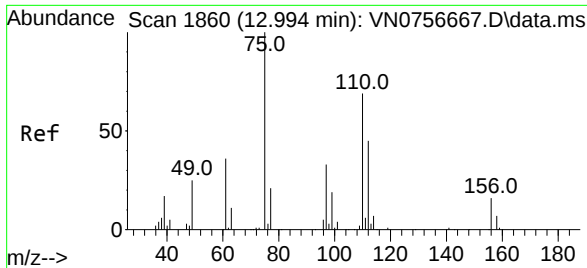
Tgt Ion:152 Resp: 139930
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.4 85.2
 150 155.8 0.0 347.6



#74
 N-ethyl acetate
 Concen: 0.353 ug/l
 RT: 12.465 min Scan# 1770
 Delta R.T. -0.029 min
 Lab File: VN0756698.D
 Acq: 10 Dec 2022 08:21

Tgt Ion: 43 Resp: 1030
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.0 61.6#
 55 0.0 20.7 31.1#
 61 0.0 21.4 32.2#

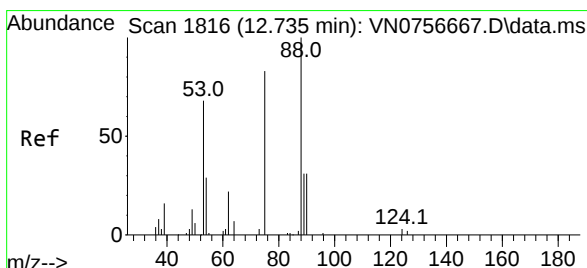
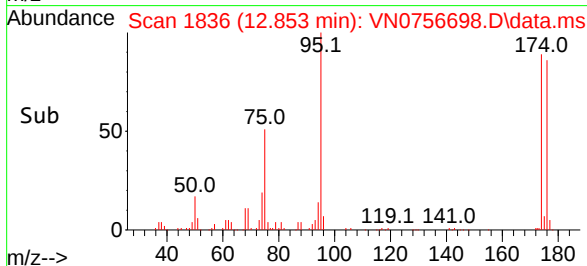
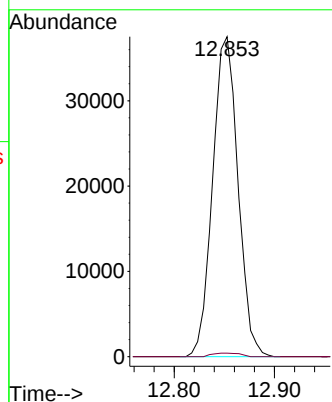
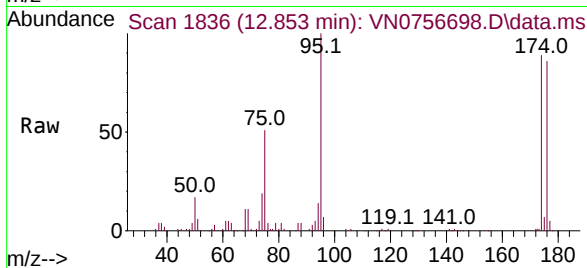




#76
1,2,3-Trichloropropane
Concen: 23.445 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 65884
Ion Ratio Lower Upper
75 100
77 1.2 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.969 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN0756698.D
Acq: 10 Dec 2022 08:21

Tgt Ion: 75 Resp: 65884
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

