

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756677.D
 Acq On : 09 Dec 2022 19:19
 Operator : JC\MD
 Sample : PB149441ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 03:11:55 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)

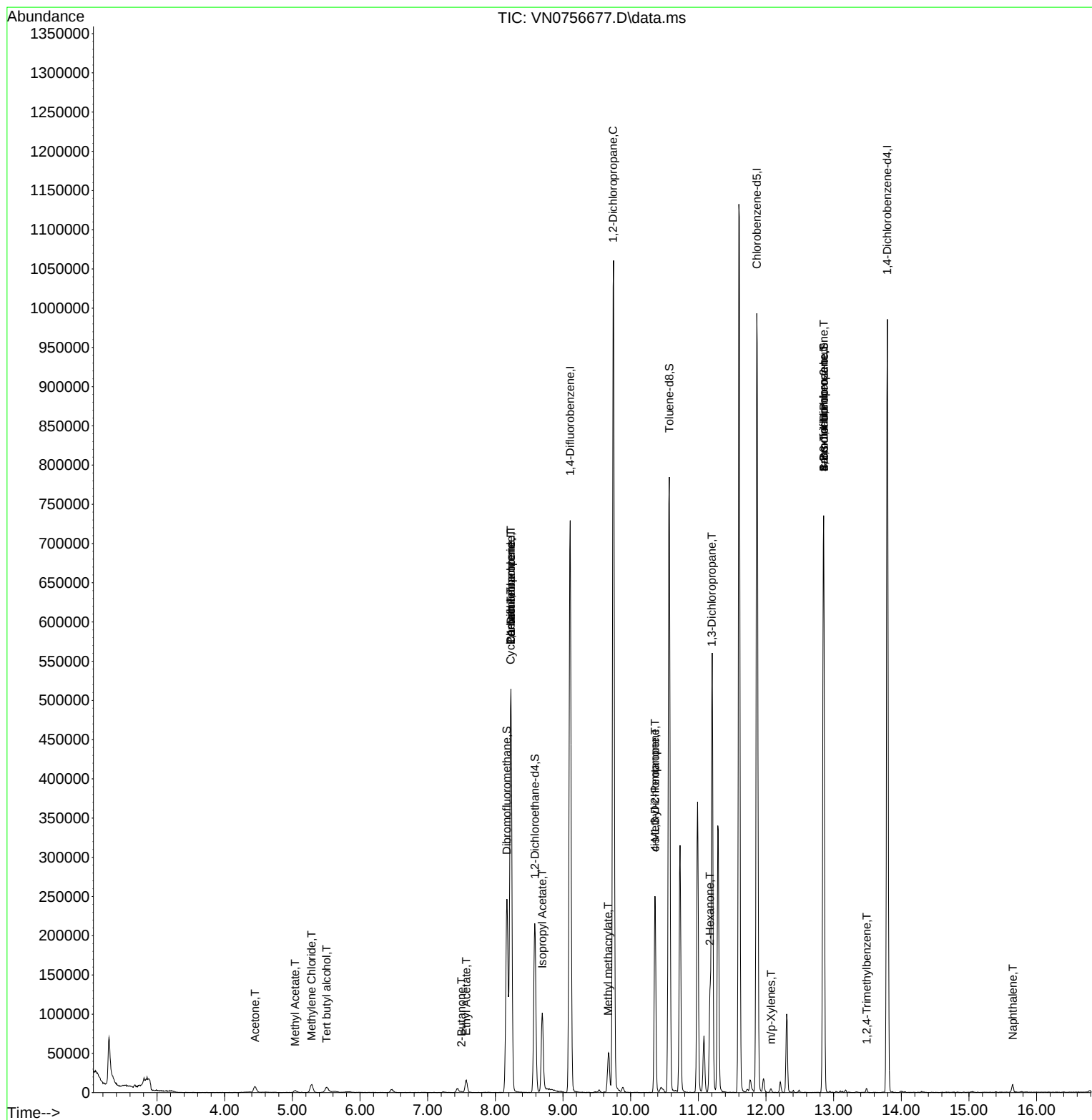
Internal Standards						
1) Pentafluorobenzene	8.230	168	412171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	619049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173682	39.715	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	79.420%
35) Dibromofluoromethane	8.171	113	179028	42.898	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.800%
50) Toluene-d8	10.571	98	571295	36.451	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	72.900%#
62) 4-Bromofluorobenzene	12.853	95	248688	46.409	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	5731	8.858	ug/l #	72
16) Acetone	4.447	43	14837	10.018	ug/l	93
18) Methyl Acetate	5.042	43	5109	1.074	ug/l	99
20) Methylene Chloride	5.283	84	8768	1.986	ug/l	99
25) 2-Butanone	7.500	43	1390	0.642	ug/l	94
31) Cyclohexane	8.224	56	7155	1.105	ug/l #	11
36) 1,1-Dichloropropene	8.230	75	28373	5.120	ug/l #	48
37) Ethyl Acetate	7.571	43	23353	5.249	ug/l	98
38) Carbon Tetrachloride	8.230	117	39584	6.190	ug/l #	15
43) Isopropyl Acetate	8.694	43	114897	15.468	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1425	0.352	ug/l #	43
48) Methyl methacrylate	9.665	41	2885	0.843	ug/l #	32
51) 4-Methyl-2-Pentanone	10.359	43	87963	19.205	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	50965	7.790	ug/l #	62
57) 1,3-Dichloropropane	11.200	76	6775	0.948	ug/l #	41
59) 2-Hexanone	11.171	43	95719	28.766	ug/l #	20
68) m/p-Xylenes	12.076	106	1937	0.222	ug/l	98
71) Bromoform	12.853	173	2101	0.598	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	126634	22.124	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126634	70.897	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.488	105	3592	0.209	ug/l	96
95) Naphthalene	15.647	128	10398	0.765	ug/l	97

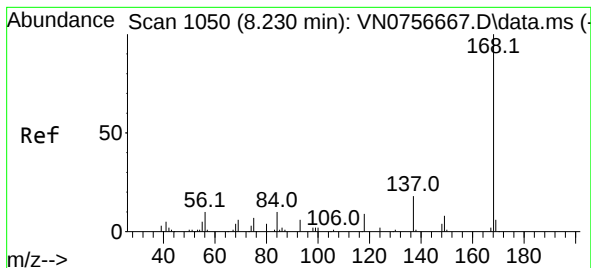
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN0756677.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA_N

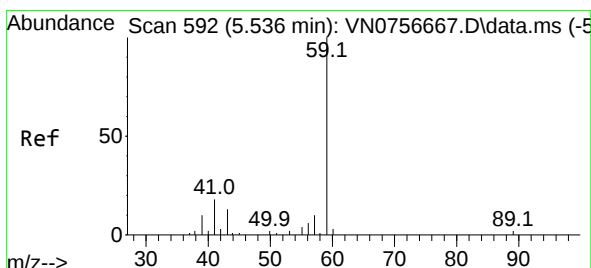
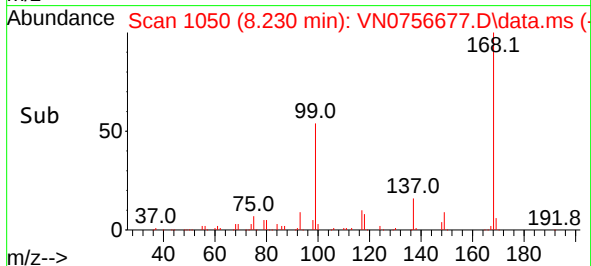
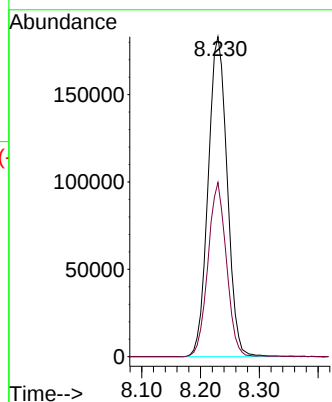
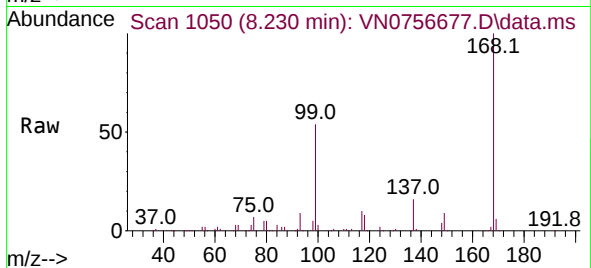
ClientSampleId :

Tgt Ion:168 Resp: 412171

Ion Ratio Lower Upper

168 100

99 54.5 41.2 61.8



#11

Tert butyl alcohol

Concen: 8.858 ug/l

RT: 5.506 min Scan# 587

Delta R.T. -0.029 min

Lab File: VN0756677.D

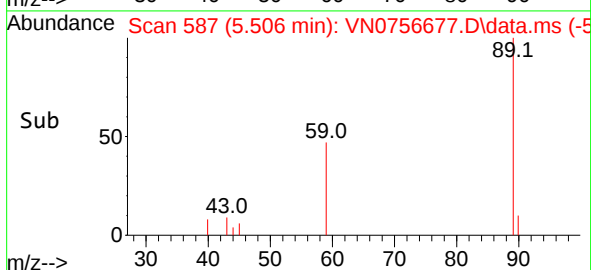
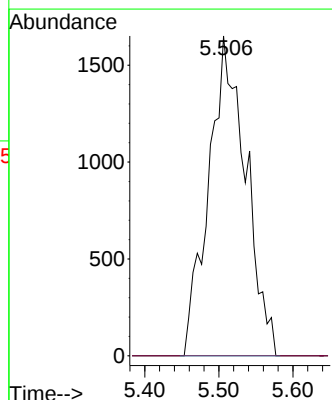
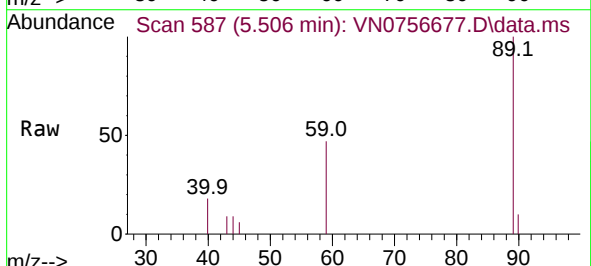
Acq: 09 Dec 2022 19:19

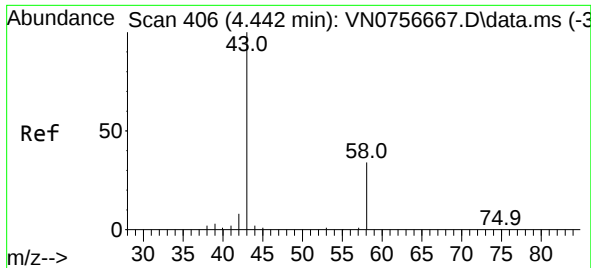
Tgt Ion: 59 Resp: 5731

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 10.018 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075667.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA_N

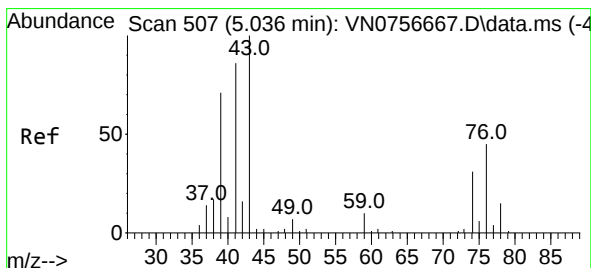
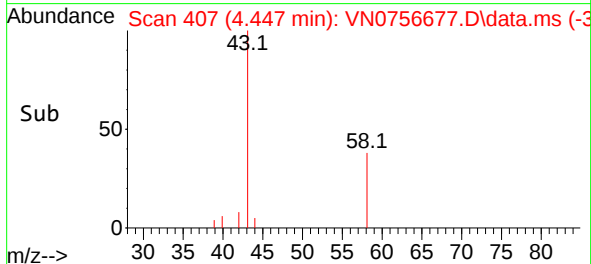
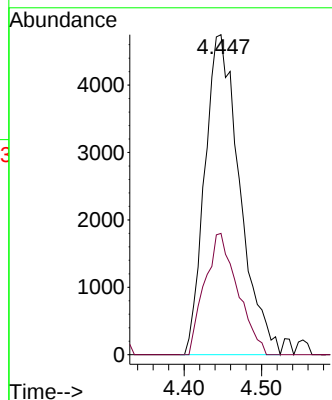
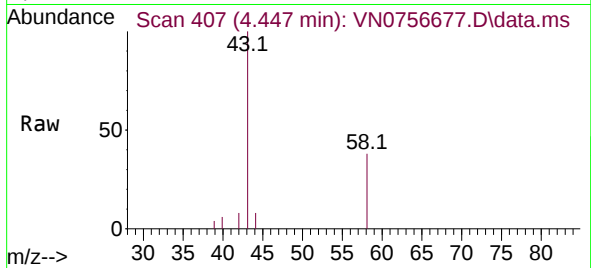
ClientSampleId :

Tgt Ion: 43 Resp: 14837

Ion Ratio Lower Upper

43 100

58 37.9 27.0 40.4



#18

Methyl Acetate

Concen: 1.074 ug/l

RT: 5.042 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN075667.D

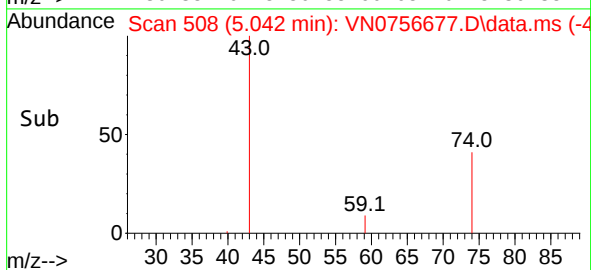
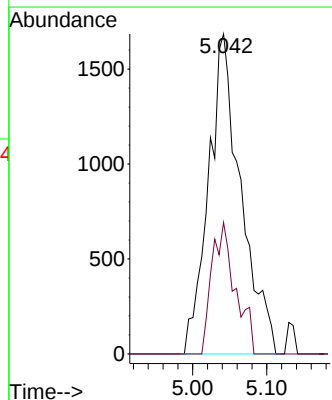
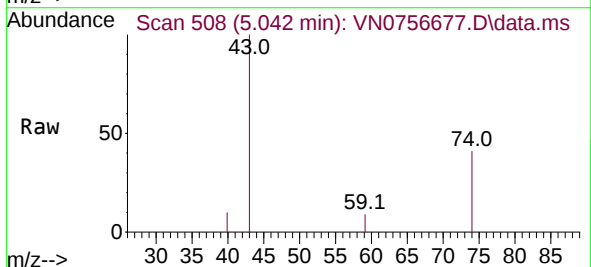
Acq: 09 Dec 2022 19:19

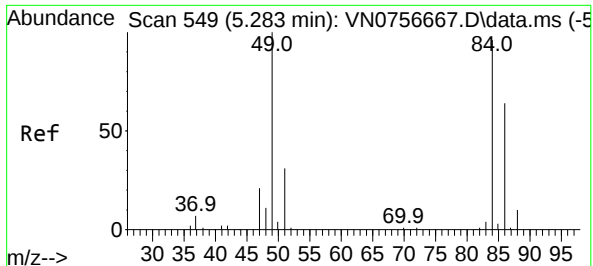
Tgt Ion: 43 Resp: 5109

Ion Ratio Lower Upper

43 100

74 29.8 24.5 36.7





#20

Methylene Chloride

Concen: 1.986 ug/l

RT: 5.283 min Scan# 549

Delta R.T. 0.000 min

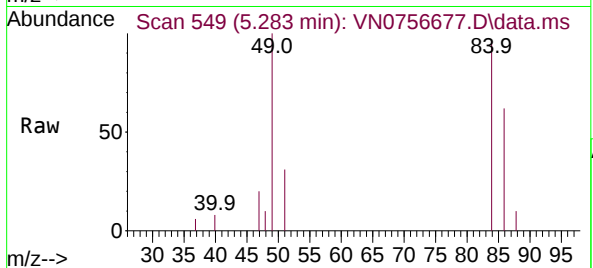
Lab File: VN0756677.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 8768

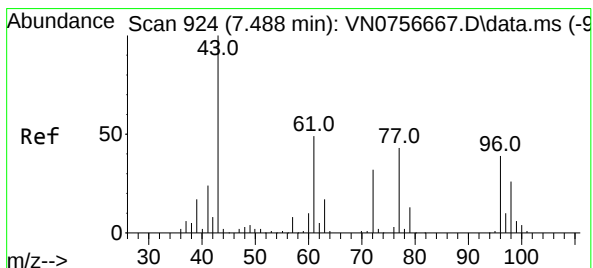
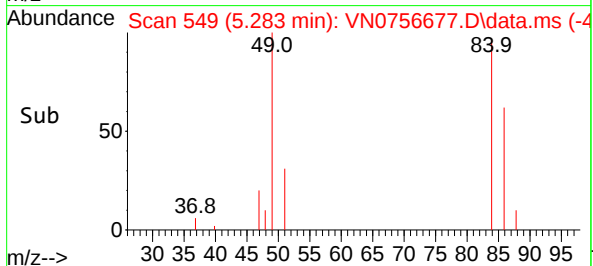
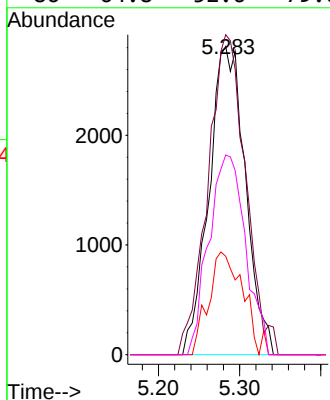
Ion Ratio Lower Upper

84 100

49 103.8 83.0 124.4

51 31.9 26.0 39.0

86 64.8 52.6 79.0



#25

2-Butanone

Concen: 0.642 ug/l

RT: 7.500 min Scan# 926

Delta R.T. 0.012 min

Lab File: VN0756677.D

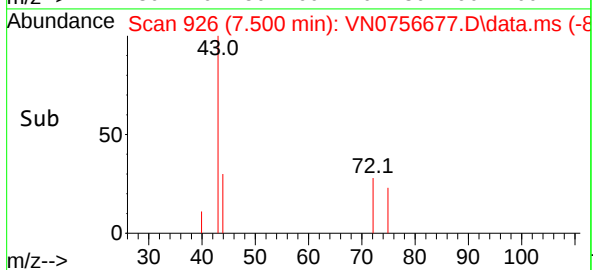
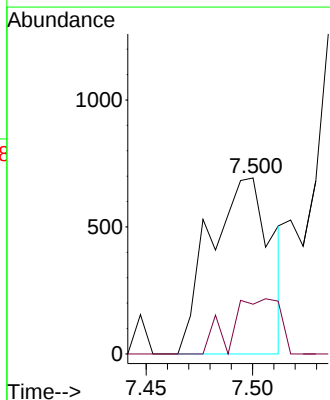
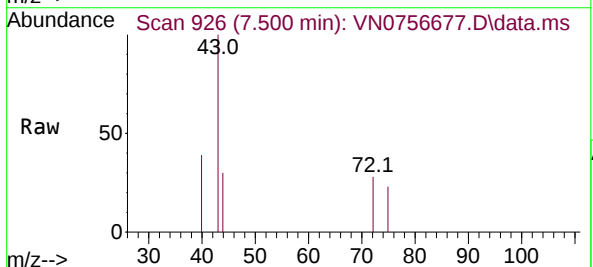
Acq: 09 Dec 2022 19:19

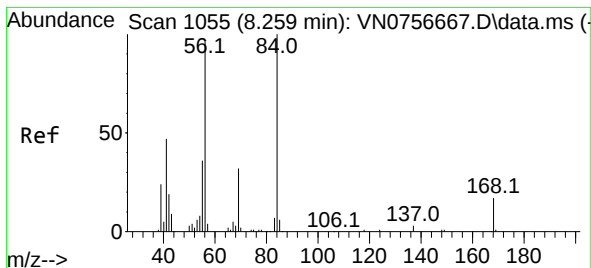
Tgt Ion: 43 Resp: 1390

Ion Ratio Lower Upper

43 100

72 28.3 25.3 37.9





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN0756677.D

Acq: 09 Dec 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

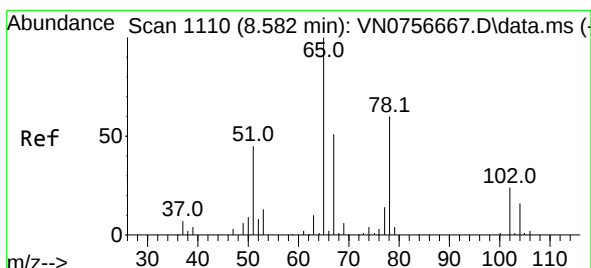
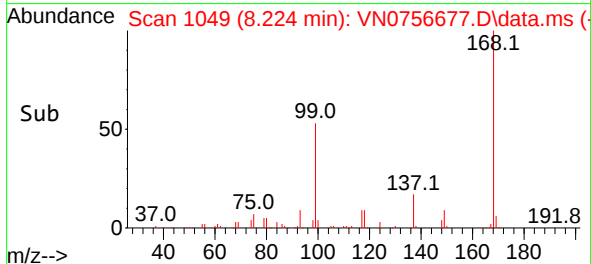
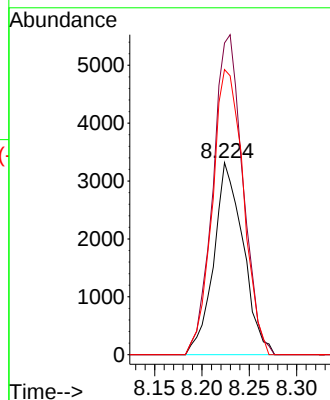
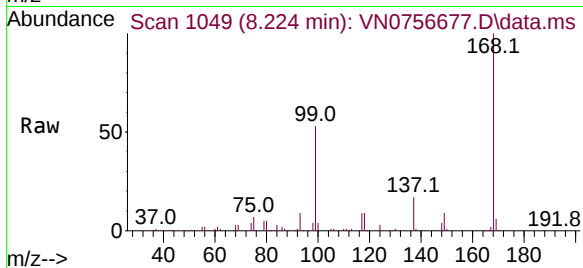
Tgt Ion: 56 Resp: 7155

Ion Ratio Lower Upper

56 100

69 162.3 26.2 39.2#

84 148.5 82.8 124.2#



#33

1,2-Dichloroethane-d4

Concen: 39.715 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN0756677.D

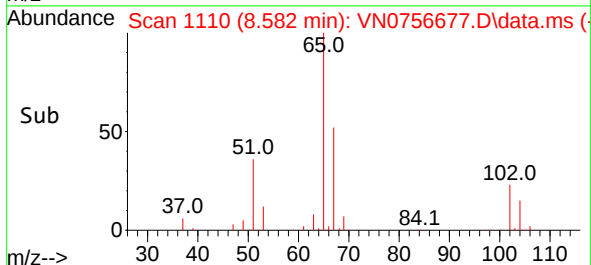
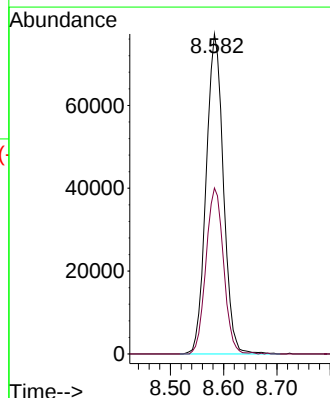
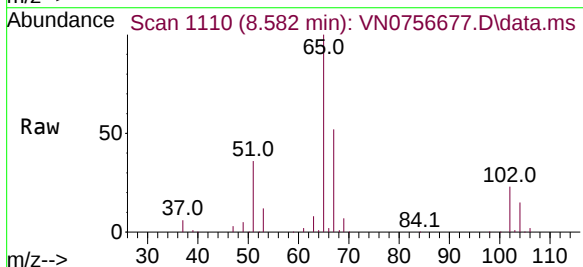
Acq: 09 Dec 2022 19:19

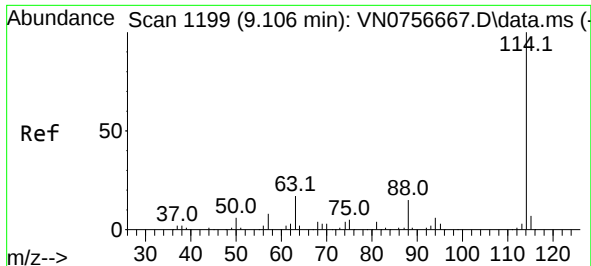
Tgt Ion: 65 Resp: 173682

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2

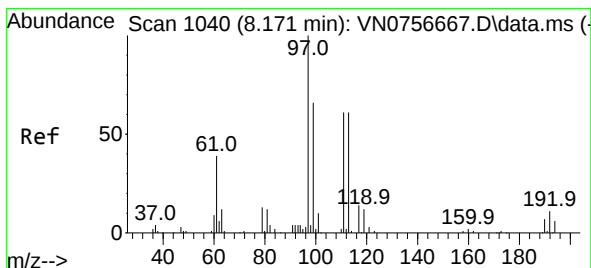
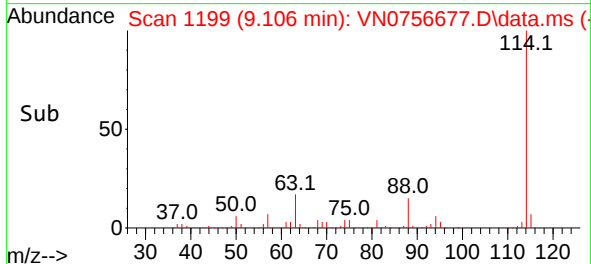
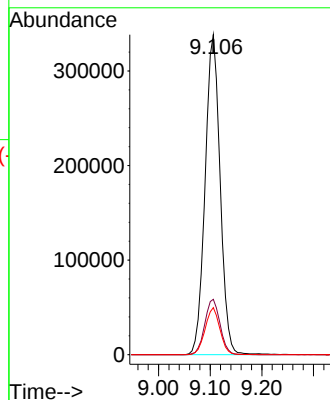
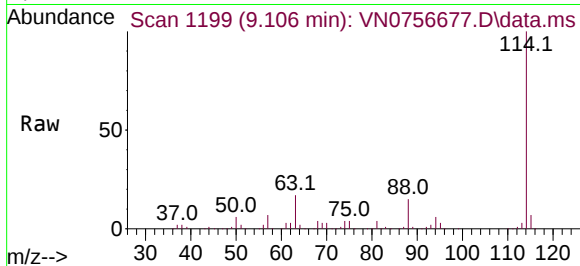




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075667.D
Acq: 09 Dec 2022 19:19

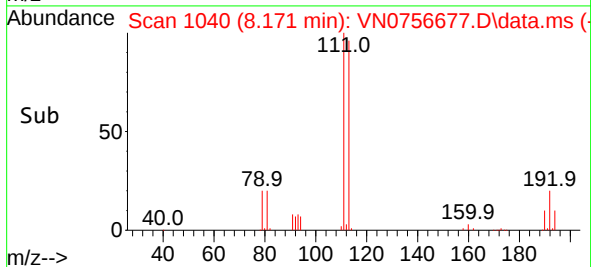
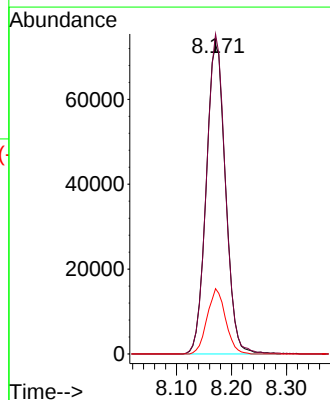
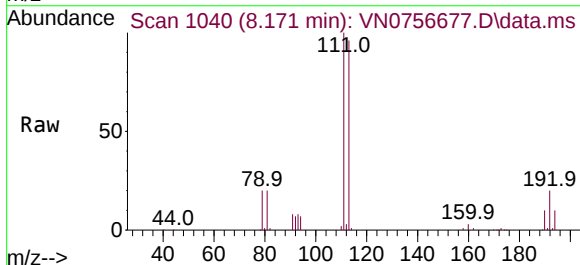
Instrument :
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ClientSampleId :

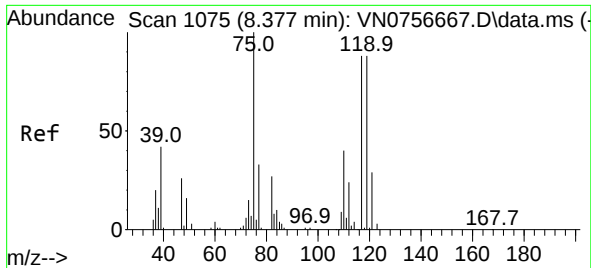
Tgt Ion:114 Resp: 684026
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.4
88 14.7 0.0 29.2



#35
Dibromofluoromethane
Concen: 42.898 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075667.D
Acq: 09 Dec 2022 19:19

Tgt Ion:113 Resp: 179028
Ion Ratio Lower Upper
113 100
111 100.7 81.0 121.6
192 20.0 16.2 24.2

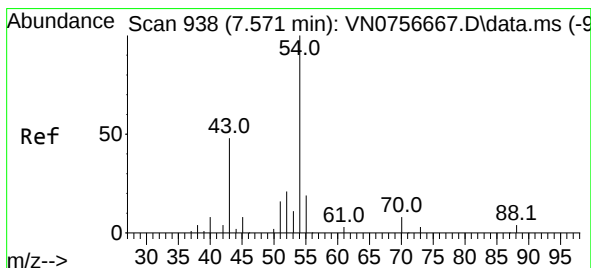
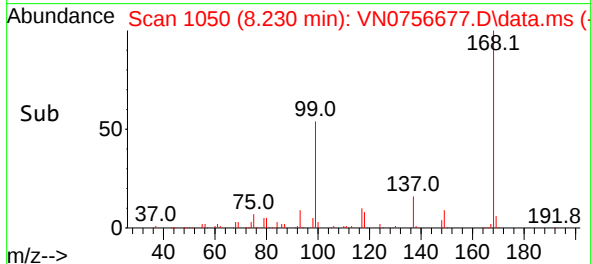
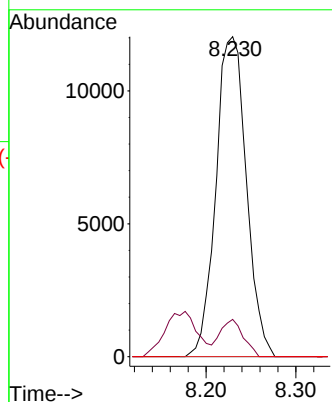
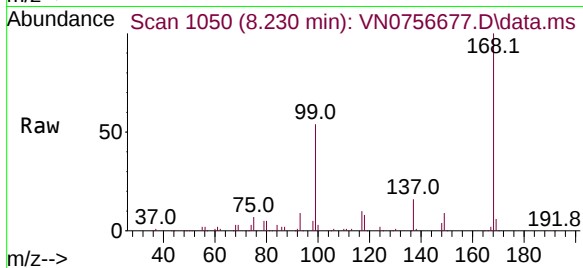




#36
1,1-Dichloropropene
Concen: 5.120 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

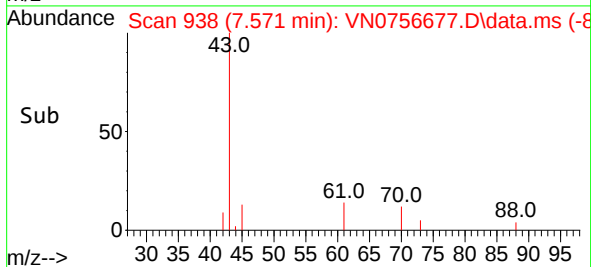
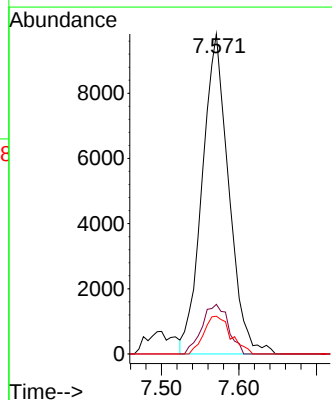
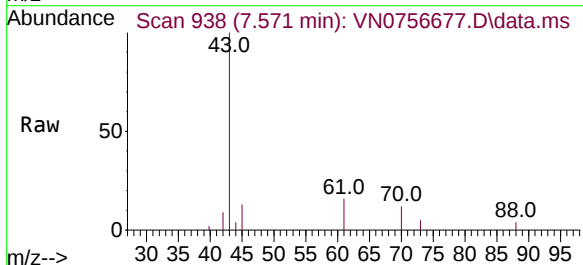
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MSVOA_N
ClientSampleId :

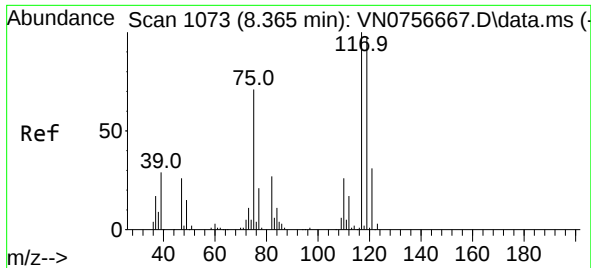
Tgt Ion: 75 Resp: 28373
Ion Ratio Lower Upper
75 100
110 8.8 18.9 56.9#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 5.249 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

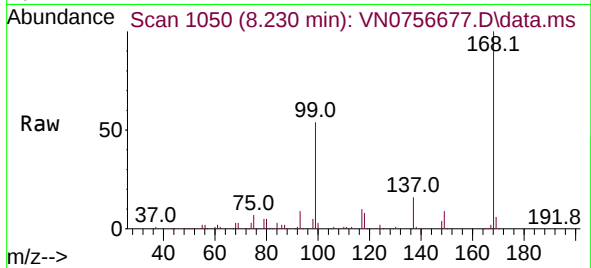
Tgt Ion: 43 Resp: 23353
Ion Ratio Lower Upper
43 100
61 15.4 13.3 19.9
70 12.0 9.9 14.9



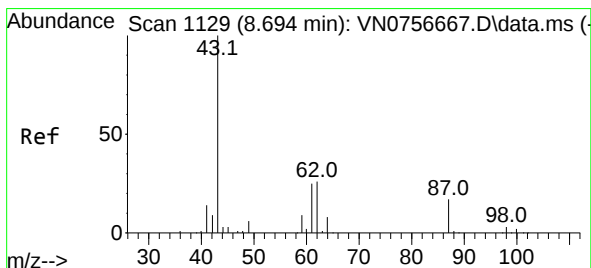
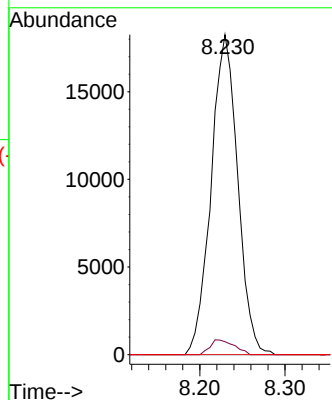
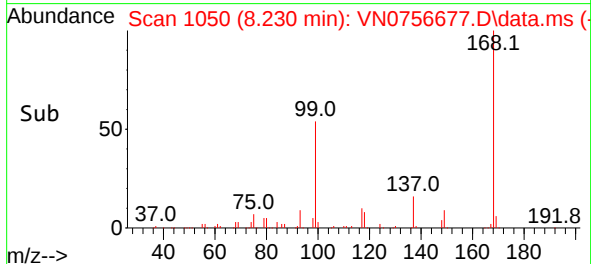


#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075667.D
Acq: 09 Dec 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :

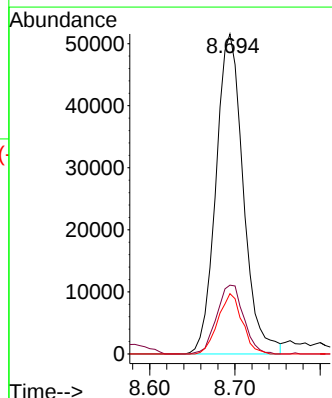
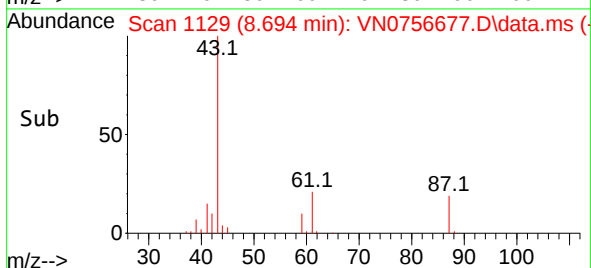
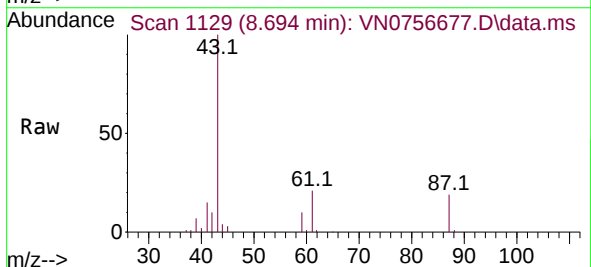


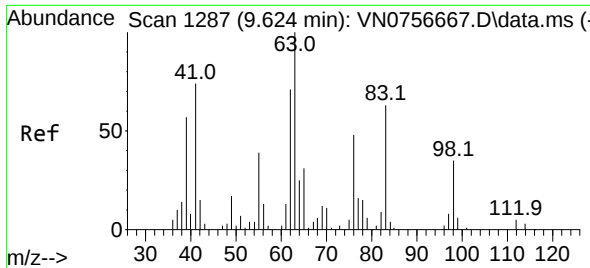
Tgt Ion:117 Resp: 39584
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 15.468 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075667.D
Acq: 09 Dec 2022 19:19

Tgt Ion: 43 Resp: 114897
Ion Ratio Lower Upper
43 100
61 21.2 23.8 35.8#
87 16.7 13.7 20.5

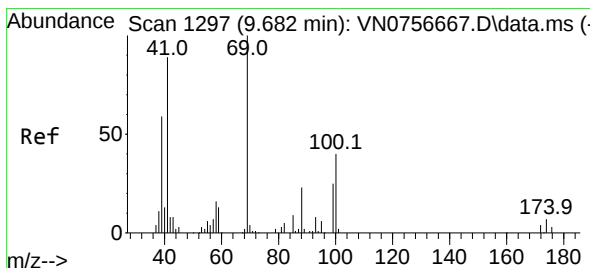
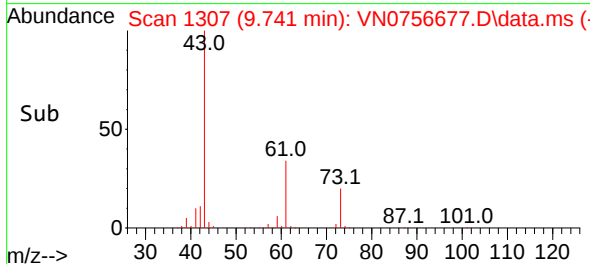
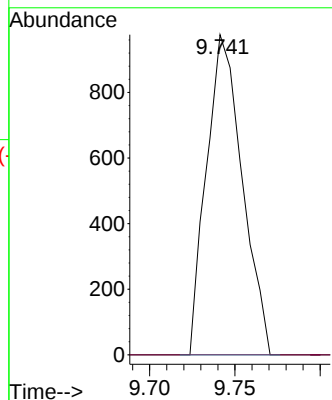
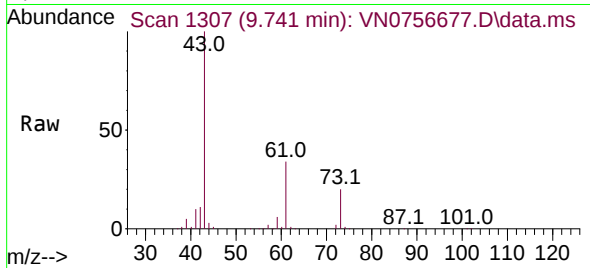




#45
1,2-Dichloropropane
Concen: 0.352 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

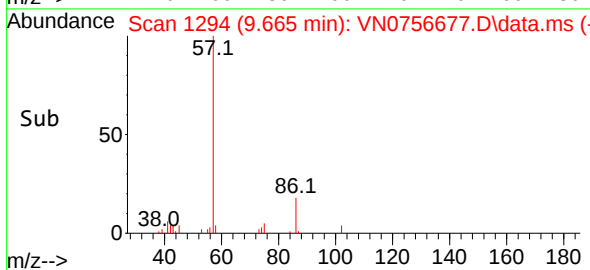
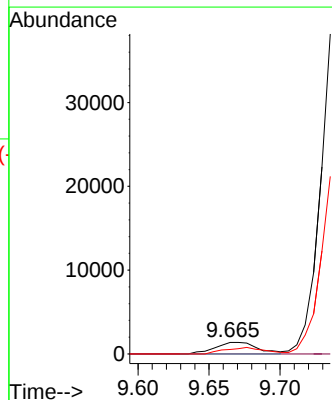
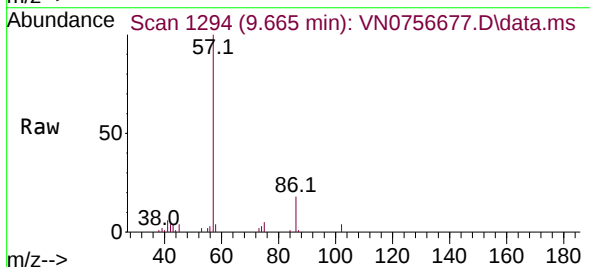
Instrument :
MSVOA_N
ClientSampleId :

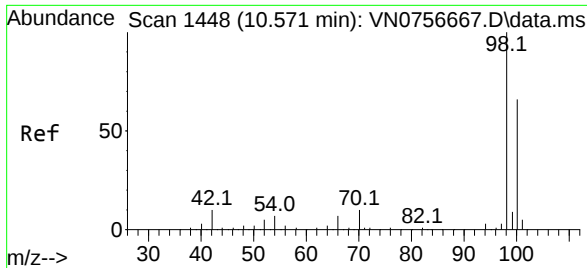
Tgt Ion: 63 Resp: 1425
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



#48
Methyl methacrylate
Concen: 0.843 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

Tgt Ion: 41 Resp: 2885
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 54.0 53.2 79.8

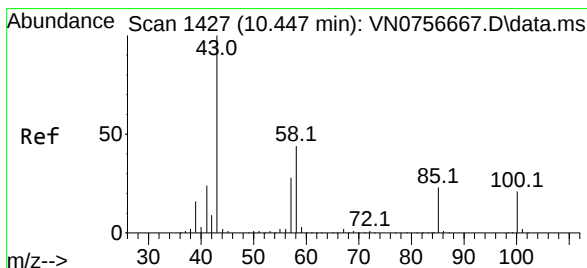
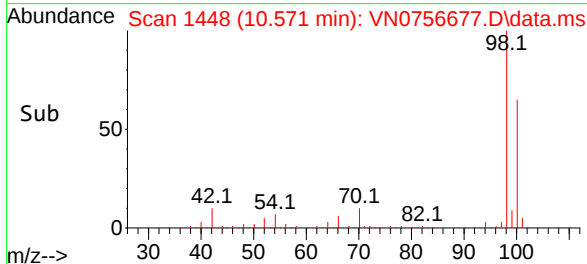
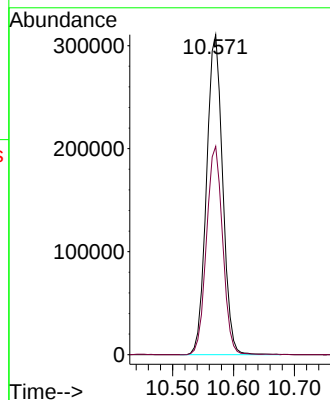
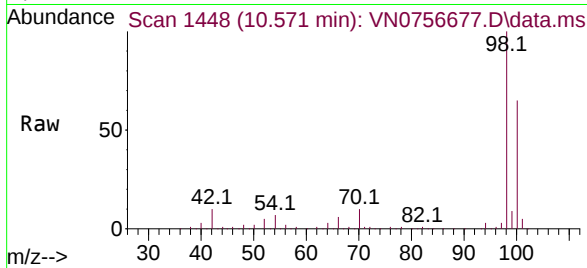




#50
Toluene-d8
Concen: 36.451 ug/l
RT: 10.571 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VN075667.D
Acq: 09 Dec 2022 19:19

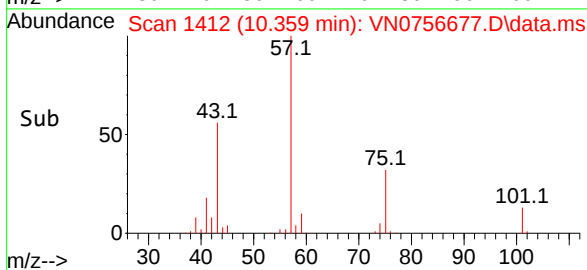
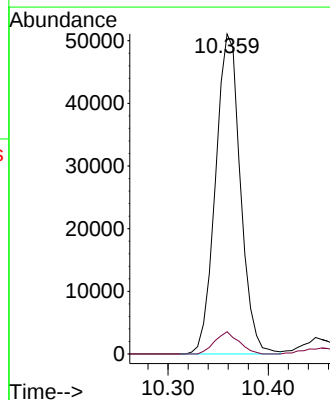
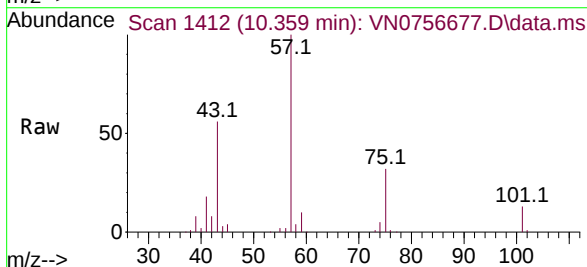
Instrument :
MSVOA_N
ClientSampleId :

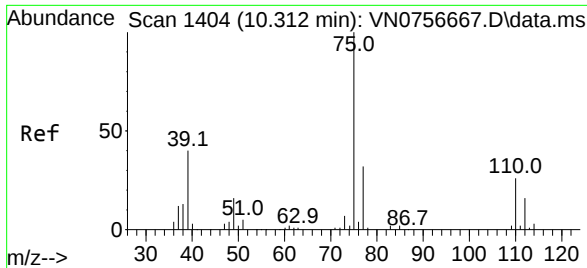
Tgt Ion: 98 Resp: 571295
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 19.205 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075667.D
Acq: 09 Dec 2022 19:19

Tgt Ion: 43 Resp: 87963
Ion Ratio Lower Upper
43 100
58 6.7 35.0 52.6#

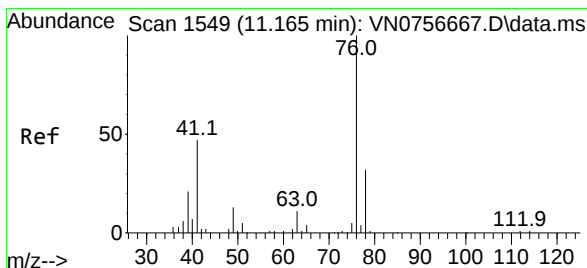
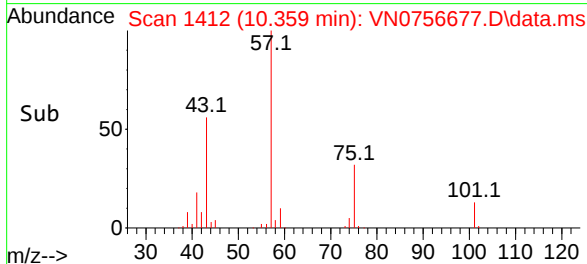
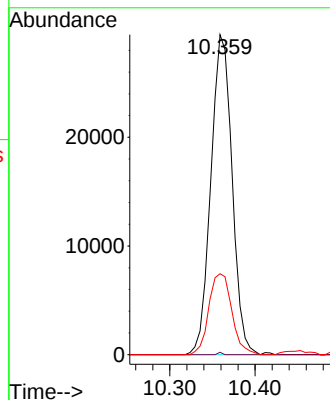
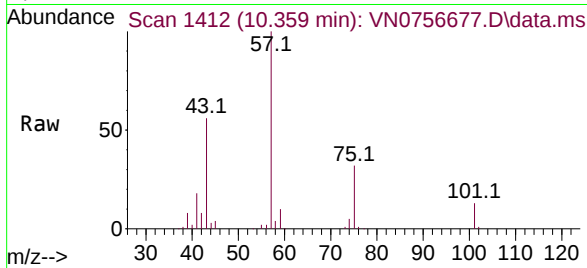




#54
 cis-1,3-Dichloropropene
 Concen: 7.790 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN0756677.D
 Acq: 09 Dec 2022 19:19

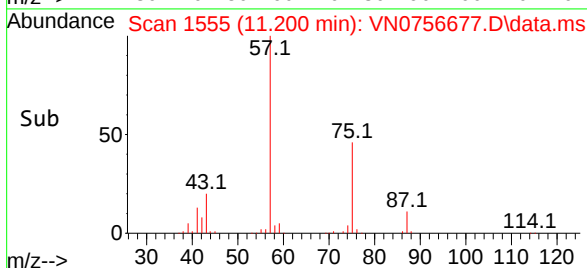
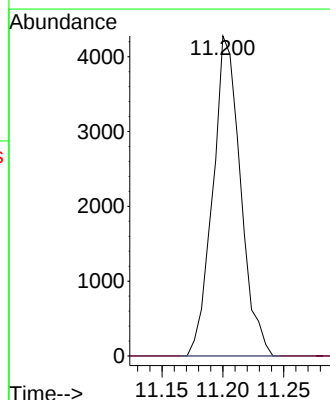
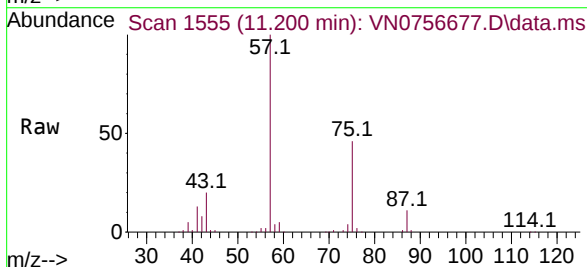
Instrument :
 MSVOA_N
 ClientSampleId :

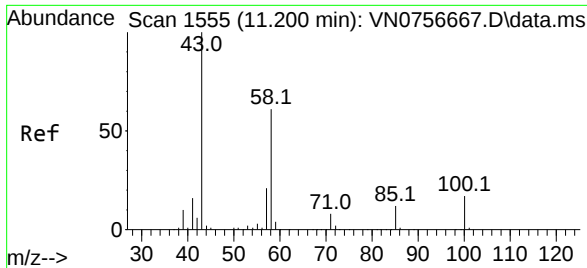
Tgt Ion: 75 Resp: 50965
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 25.3 32.0 48.0#



#57
 1,3-Dichloropropane
 Concen: 0.948 ug/l
 RT: 11.200 min Scan# 1555
 Delta R.T. 0.035 min
 Lab File: VN0756677.D
 Acq: 09 Dec 2022 19:19

Tgt Ion: 76 Resp: 6775
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.8 40.2#

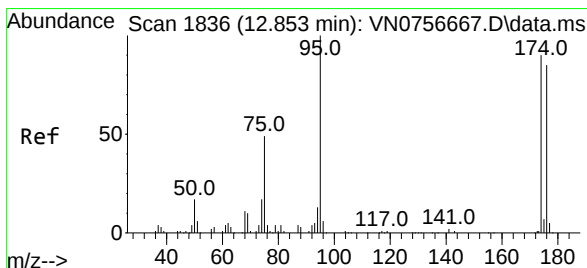
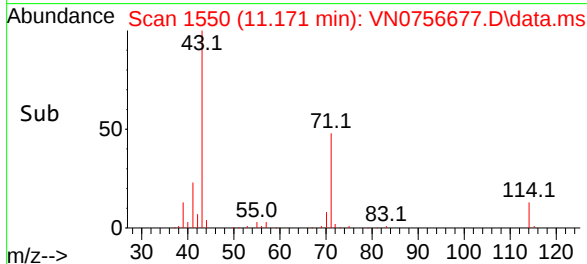
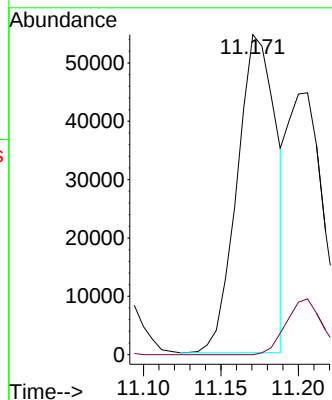
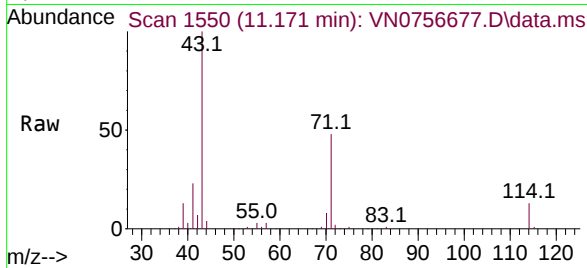




#59
2-Hexanone
Concen: 28.766 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

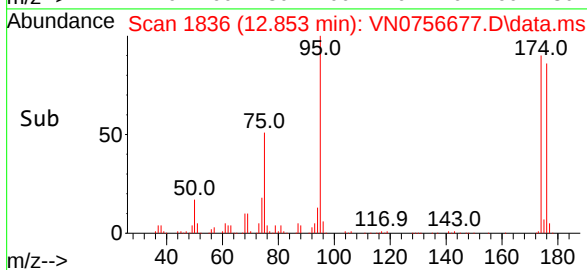
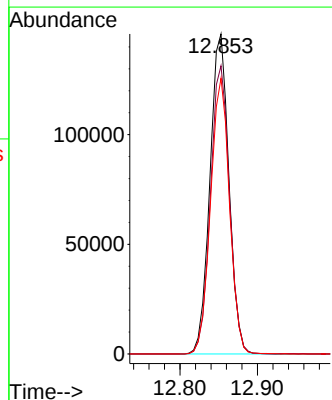
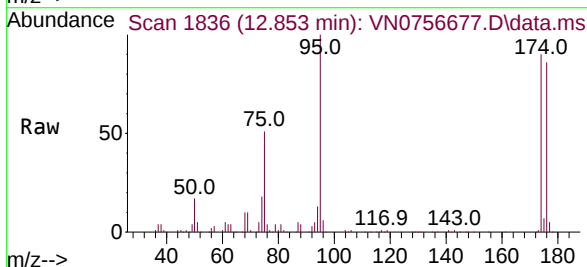
Instrument :
MSVOA_N
ClientSampleId :

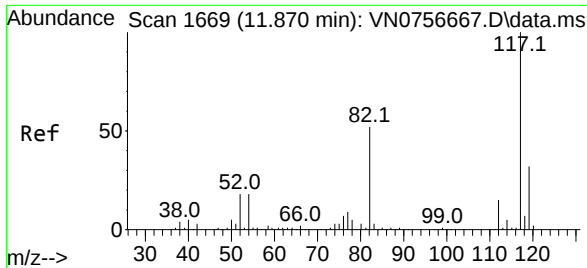
Tgt Ion: 43 Resp: 95719
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 46.409 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

Tgt Ion: 95 Resp: 248688
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.6
176 86.0 0.0 170.8

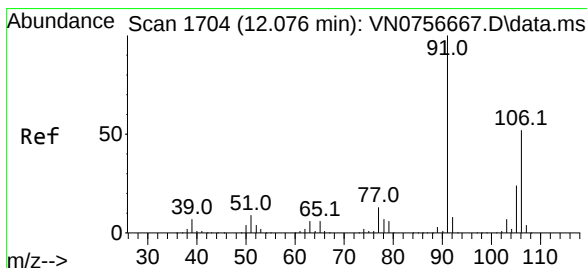
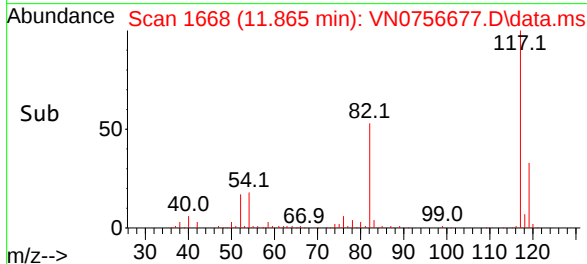
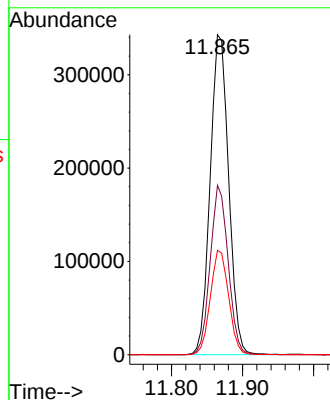
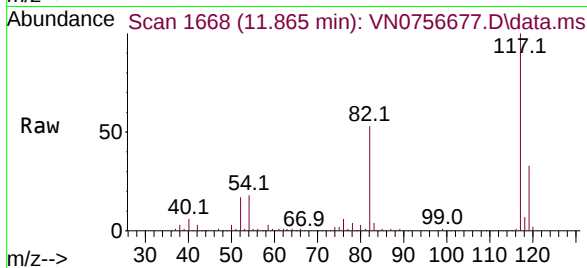




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

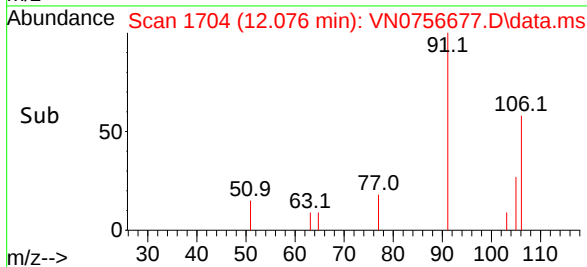
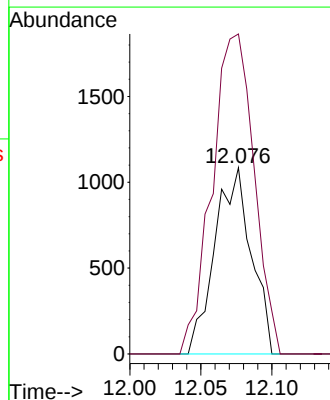
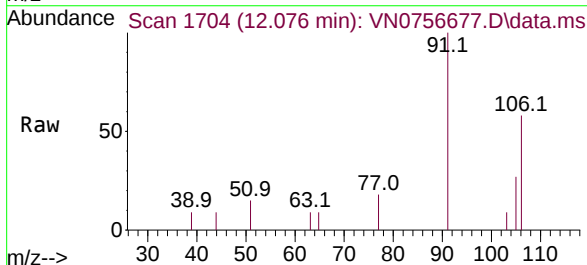
Instrument :
MSVOA_N
ClientSampleId :

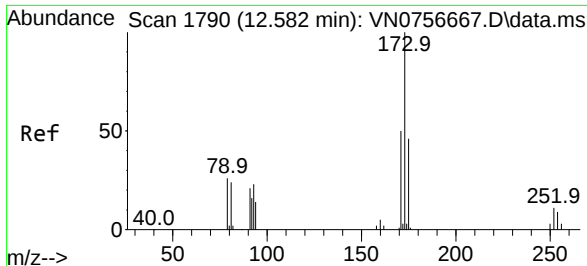
Tgt Ion:117 Resp: 619049
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 32.6 25.8 38.6



#68
m/p-Xylenes
Concen: 0.222 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

Tgt Ion:106 Resp: 1937
Ion Ratio Lower Upper
106 100
91 198.0 156.2 234.4

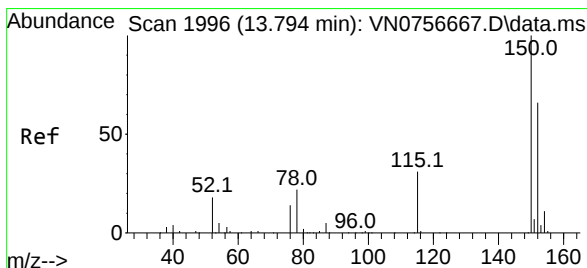
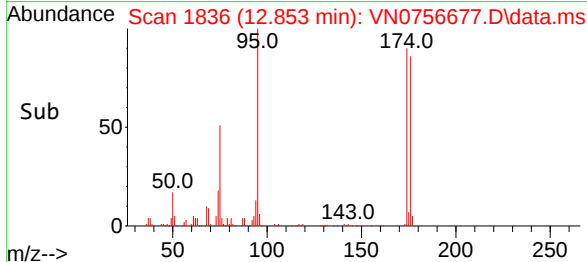
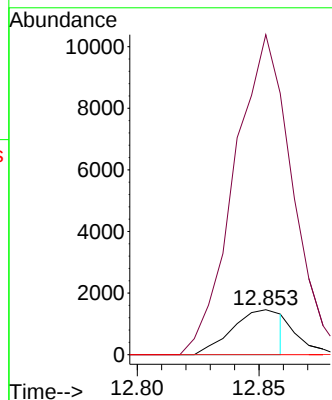
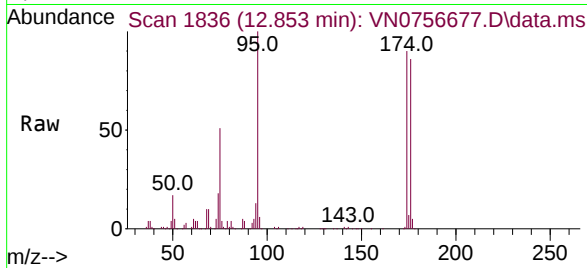




#71
Bromoform
Concen: 0.598 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

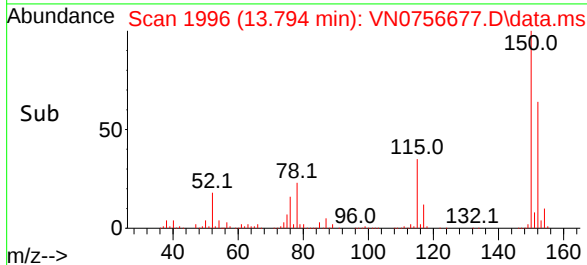
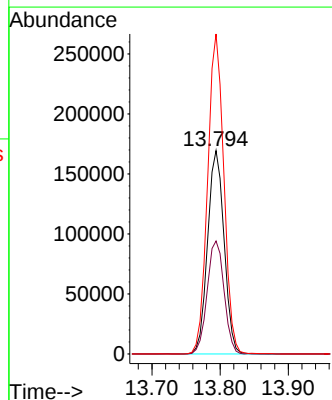
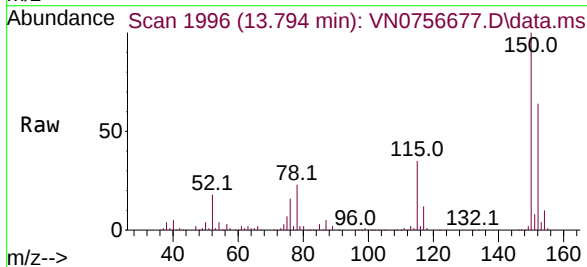
Instrument :
MSVOA_N
ClientSampleId :

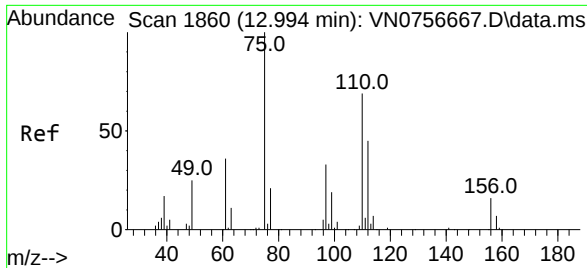
Tgt Ion:173 Resp: 2101
Ion Ratio Lower Upper
173 100
175 667.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

Tgt Ion:152 Resp: 285011
Ion Ratio Lower Upper
152 100
115 57.0 28.4 85.2
150 154.7 0.0 347.6

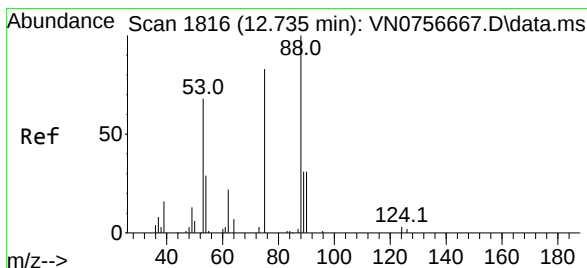
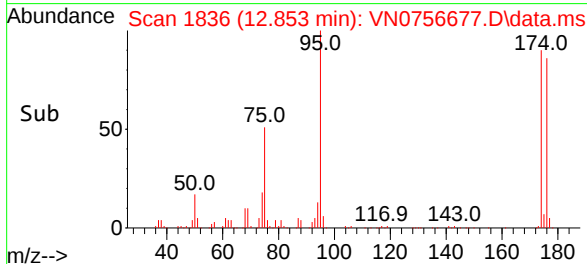
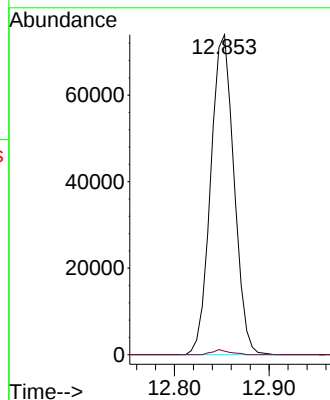
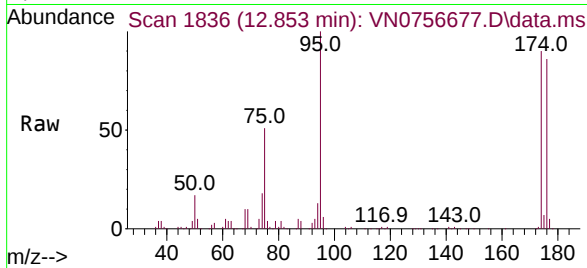




#76
1,2,3-Trichloropropane
Concen: 22.124 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

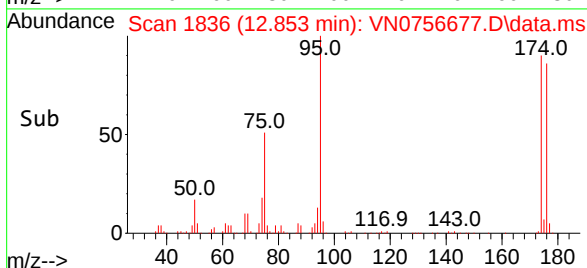
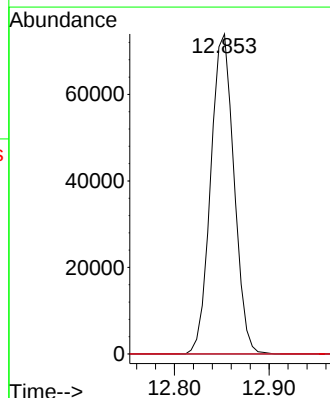
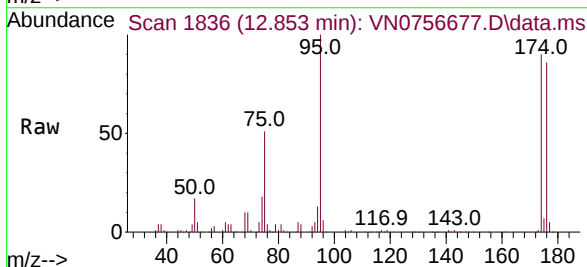
Instrument :
MSVOA_N
ClientSampleId :

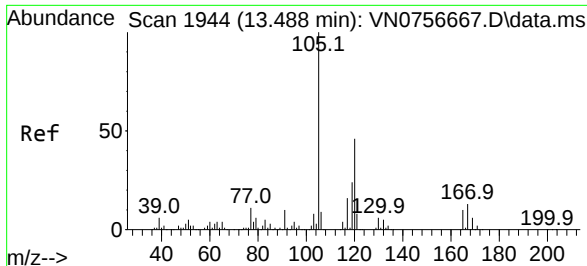
Tgt Ion: 75 Resp: 126634
Ion Ratio Lower Upper
75 100
77 1.2 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.897 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN0756677.D
Acq: 09 Dec 2022 19:19

Tgt Ion: 75 Resp: 126634
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

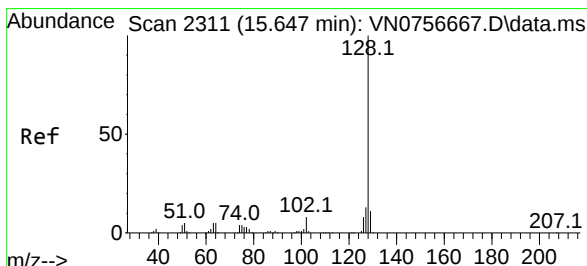
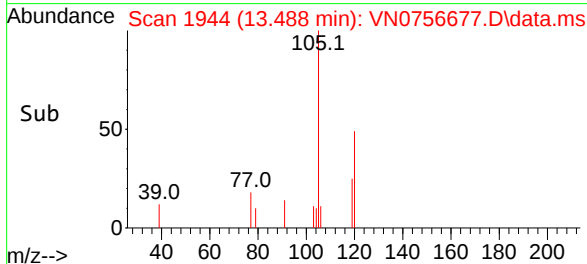
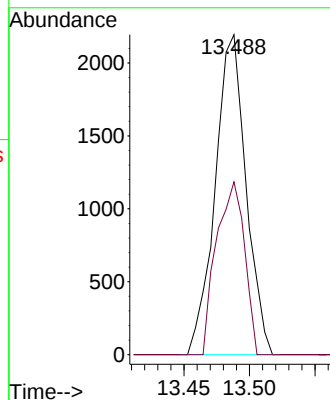
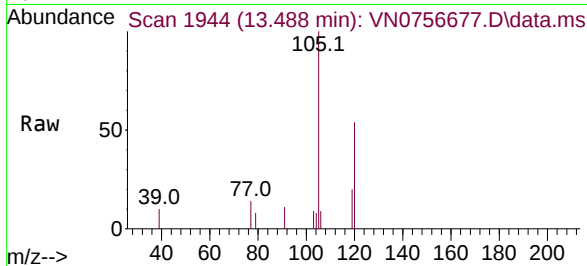




#84
 1,2,4-Trimethylbenzene
 Concen: 0.209 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: VN0756677.D
 Acq: 09 Dec 2022 19:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 3592
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.1 69.2



#95
 Naphthalene
 Concen: 0.765 ug/l
 RT: 15.647 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: VN0756677.D
 Acq: 09 Dec 2022 19:19

Tgt Ion:128 Resp: 10398
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.2 15.4
 129 11.3 8.4 12.6

