

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102524\
 Data File : VW030760.D
 Acq On : 25 Oct 2024 12:30
 Operator : SY/MD
 Sample : P4492-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E60

Quant Time: Oct 25 23:20:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 25 23:19:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	262867	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	232678	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	123780	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	107682	26.061	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.240%	
7) Chloroethane-d5	2.893	69	89094	28.486	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 113.960%	
11) 1,1-Dichloroethene-d2	4.021	65	43043	25.046	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 100.200%	
21) 2-Butanone-d5	7.075	46	43143	58.021	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 116.040%	
24) Chloroform-d	7.648	84	218724	29.095	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 116.400%	
26) 1,2-Dichloroethane-d4	8.307	65	106508	27.246	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 109.000%	
32) Benzene-d6	8.276	84	371694	27.523	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 110.080%	
36) 1,2-Dichloropropane-d6	9.270	67	110592	27.901	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 111.600%	
41) Toluene-d8	10.325	98	352250	28.573	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 114.280%	
43) trans-1,3-Dichloroprop...	10.575	79	48352	29.132	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 116.520%	
47) 2-Hexanone-d5	10.922	63	36038	70.590	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 141.180%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	89288	30.673	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 122.680%#	
66) 1,2-Dichlorobenzene-d4	13.848	152	107615	25.695	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 102.760%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.039	96	147210	41.741	ug/L	99
13) Acetone	4.118	43	60521	55.594	ug/L	97
16) Methylene chloride	4.929	84	313325	78.844	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	117891	30.978	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	239024	44.878	ug/L	99
19) 1,1-Dichloroethane	6.216	63	638637	90.293	ug/L	98
22) 2-Butanone	7.167	43	243825	207.784	ug/L	97
25) Chloroform	7.673	83	700523	92.680	ug/L	98
31) Carbon tetrachloride	8.069	117	94137	17.064	ug/L	95
33) Benzene	8.325	78	1052914	69.538	ug/L	100
34) Trichloroethene	9.087	95	418196	99.275	ug/L	94
37) 1,2-Dichloropropane	9.368	63	149037	39.410	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	400416	70.197	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	324819	178.791	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	377253	78.703	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	145741	53.324	ug/L	97
50) 1,2-Dibromoethane	11.233	107	129686	50.851	ug/L	95
53) m,p-Xylene	11.831	106	350642	50.776	ug/L	91
54) o-Xylene	12.160	106	444393	69.607	ug/L	88

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Quant Title : SFAM01.0
QLast Update : Fri Oct 25 23:19:25 2024
Response via : Initial Calibration

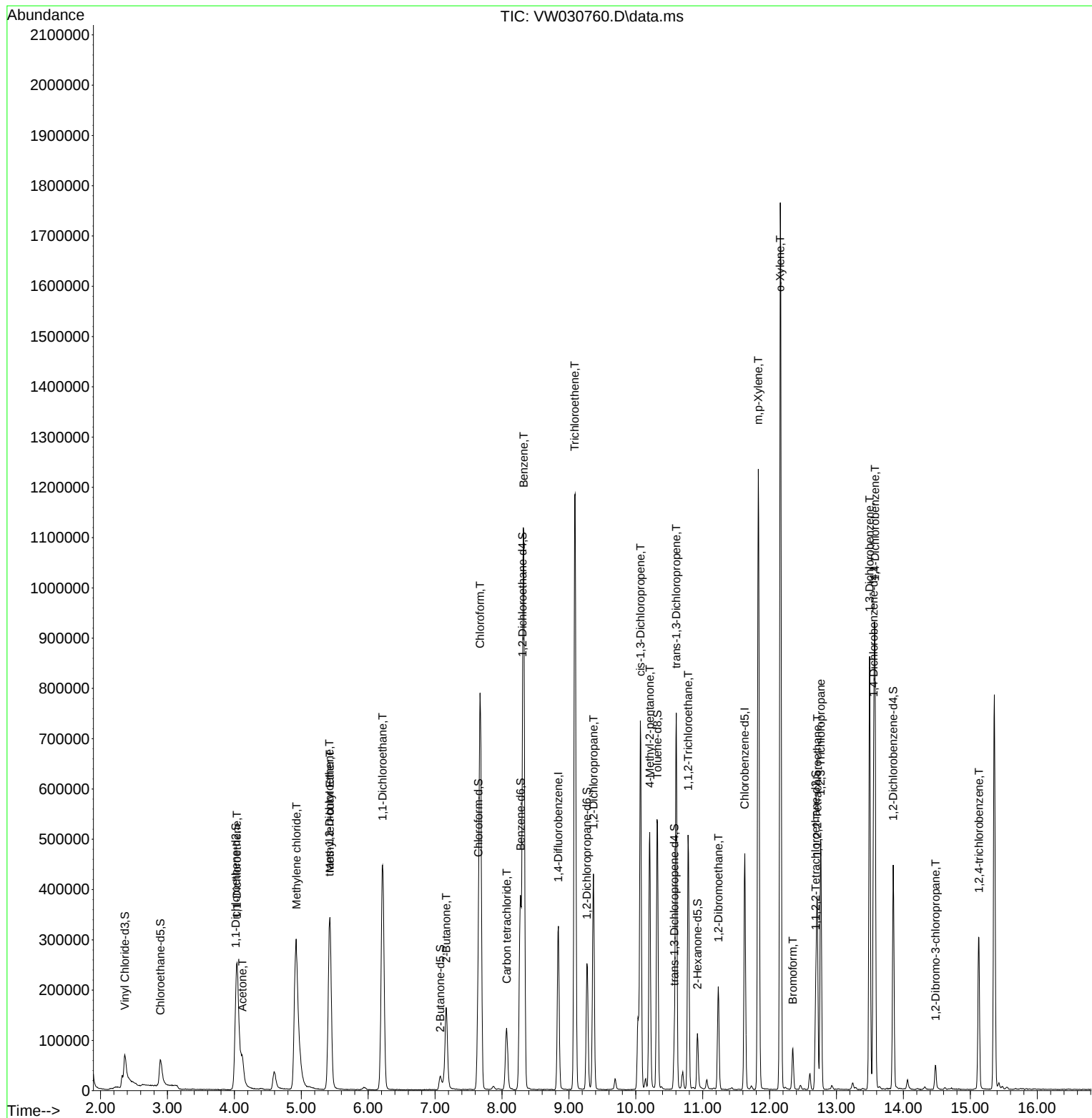
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	171698	55.708	ug/L	96
59) Bromoform	12.349	173	34068	19.590	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	192326	79.849	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	313182	37.535	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	312785	36.305	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.482	75	12553	23.373	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	92298	20.838	ug/L	98

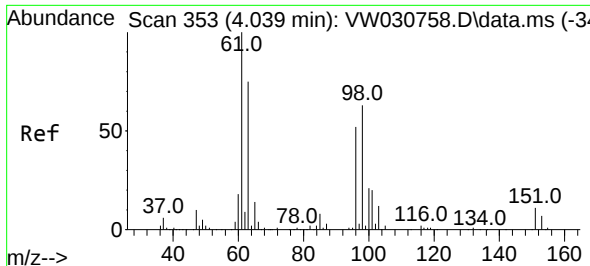
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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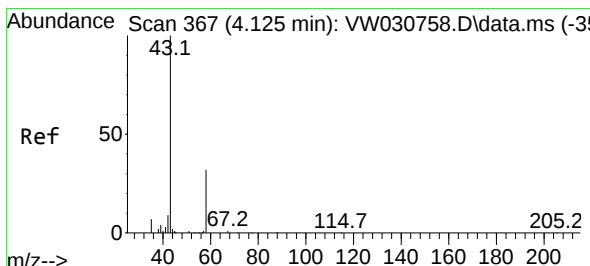
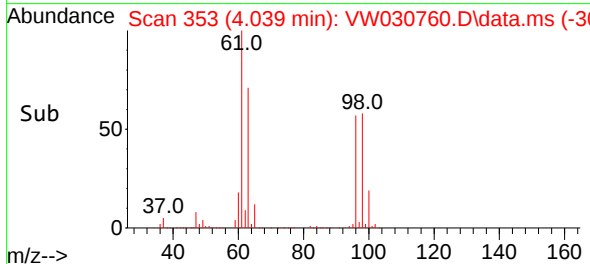
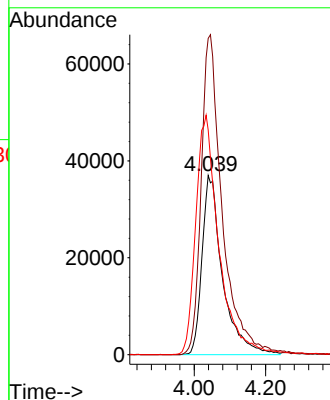
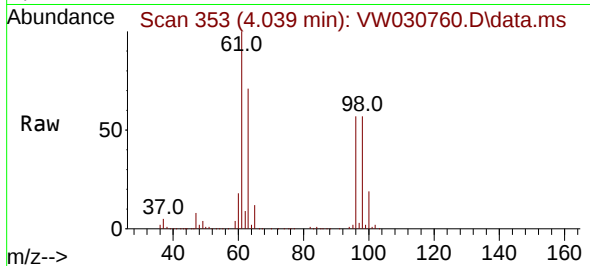




#12
1,1-Dichloroethene
Concen: 41.741 ug/L
RT: 4.039 min Scan# 353
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

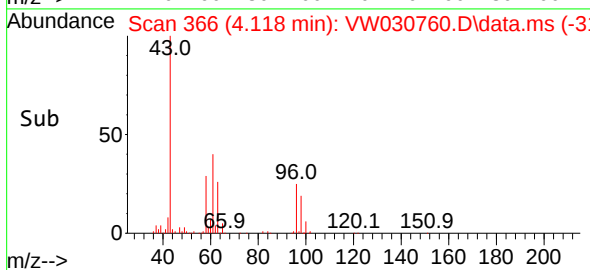
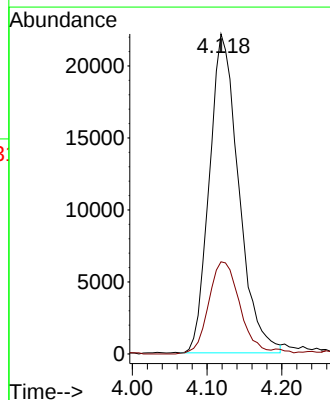
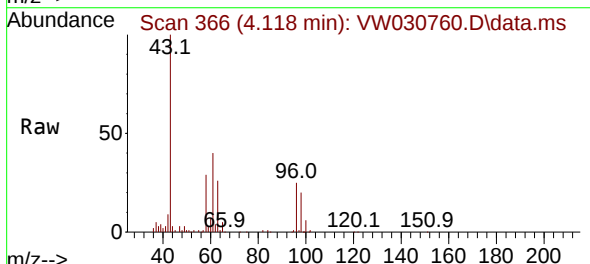
Instrument :
MSVOA_W
ClientSampleId :
A4E60

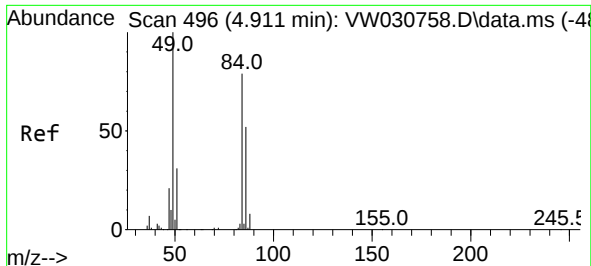
Tgt Ion: 96 Resp: 147210
Ion Ratio Lower Upper
96 100
61 176.5 121.3 225.3
63 125.4 87.6 162.8



#13
Acetone
Concen: 55.594 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion: 43 Resp: 60521
Ion Ratio Lower Upper
43 100
58 30.5 0.0 57.6

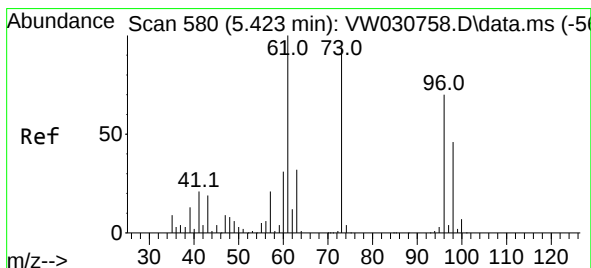
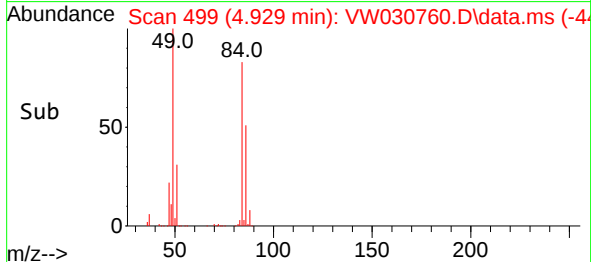
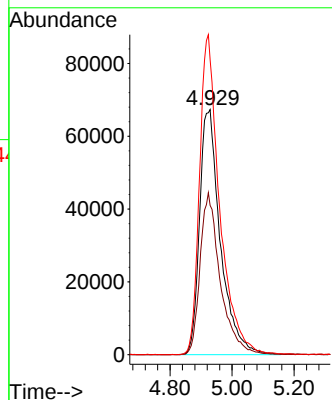
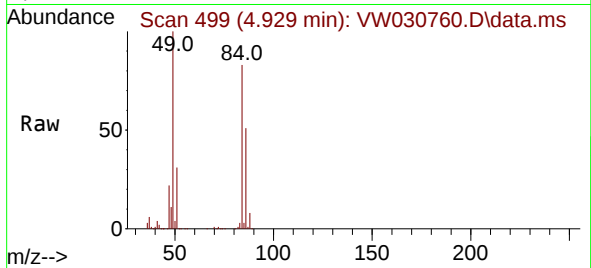




#16
Methylene chloride
Concen: 78.844 ug/L
RT: 4.929 min Scan# 49
Delta R.T. 0.018 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

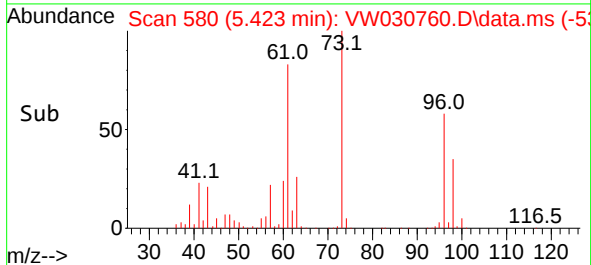
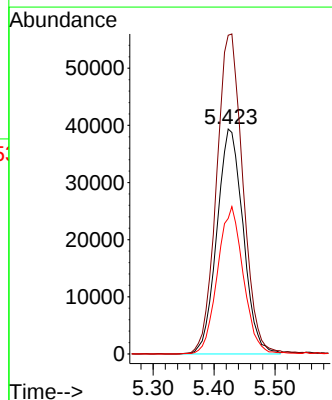
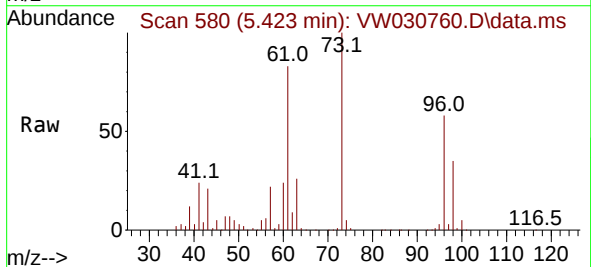
Instrument :
MSVOA_W
ClientSampleId :
A4E60

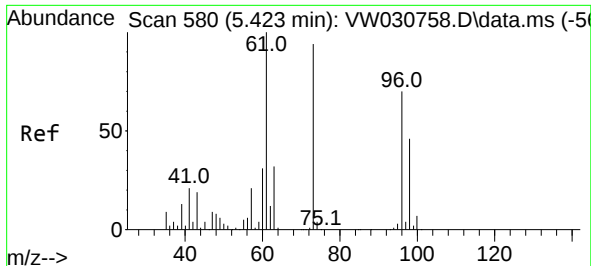
Tgt Ion: 84 Resp: 313325
Ion Ratio Lower Upper
84 100
86 60.9 43.8 81.3
49 120.3 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 30.978 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion: 96 Resp: 117891
Ion Ratio Lower Upper
96 100
61 141.7 96.9 179.9
98 60.2 42.2 78.4

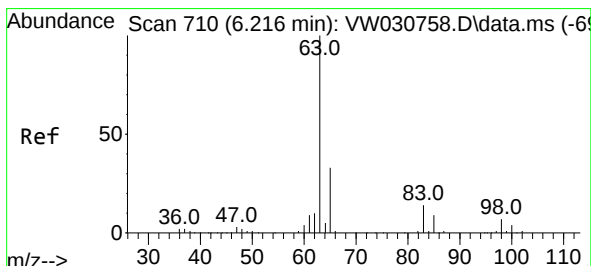
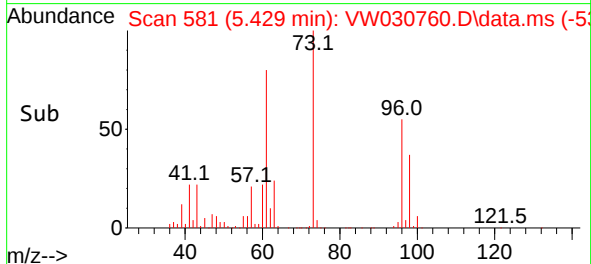
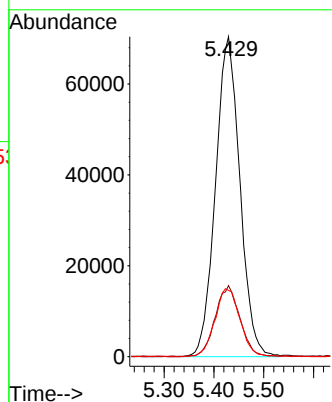
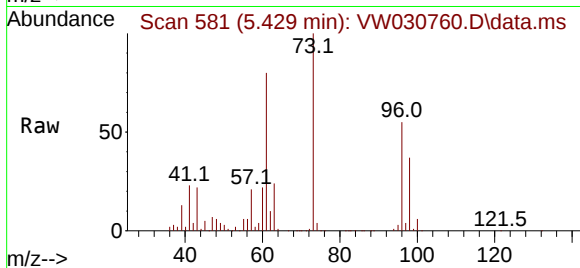




#18
Methyl tert-butyl Ether
Concen: 44.878 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

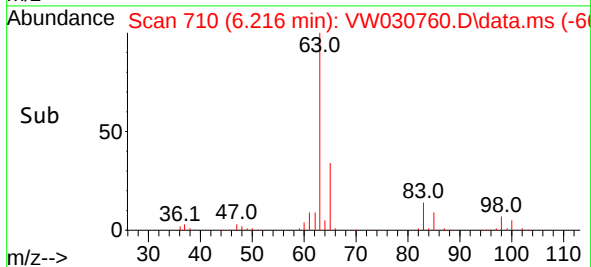
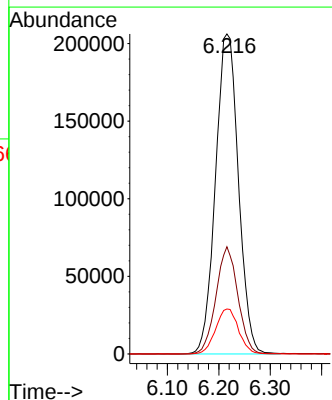
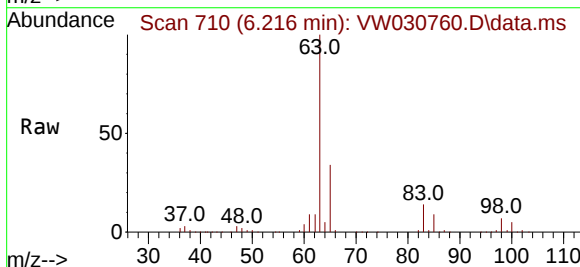
Instrument :
MSVOA_W
ClientSampleId :
A4E60

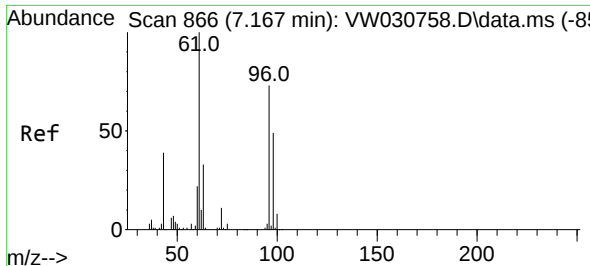
Tgt Ion: 73 Resp: 239024
Ion Ratio Lower Upper
73 100
43 22.0 18.1 27.1
57 21.9 17.7 26.5



#19
1,1-Dichloroethane
Concen: 90.293 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion: 63 Resp: 638637
Ion Ratio Lower Upper
63 100
65 33.5 22.5 41.9
83 14.1 9.8 18.2

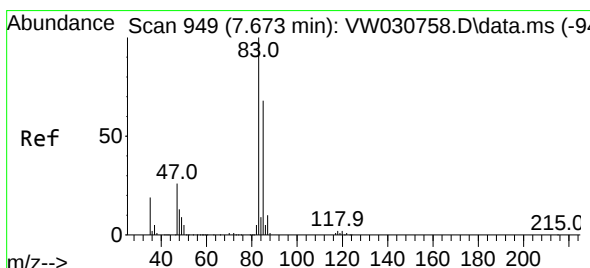
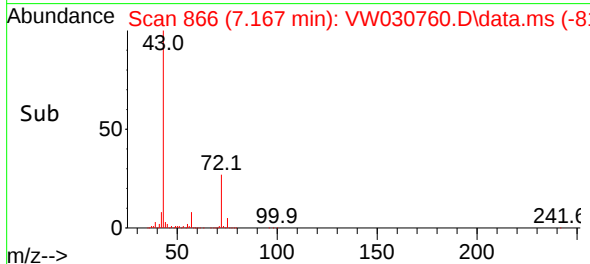
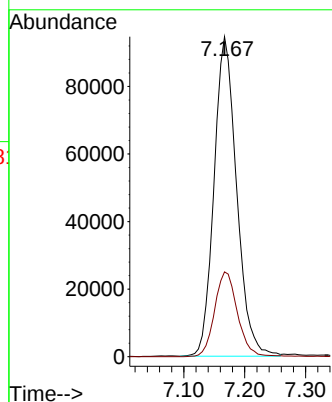
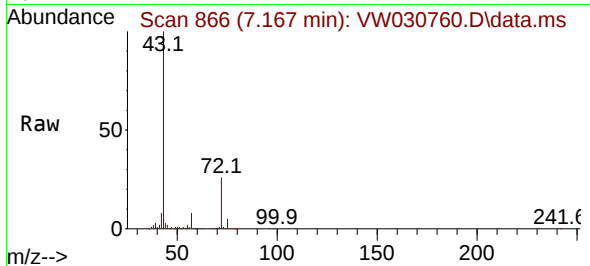




#22
2-Butanone
Concen: 207.784 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

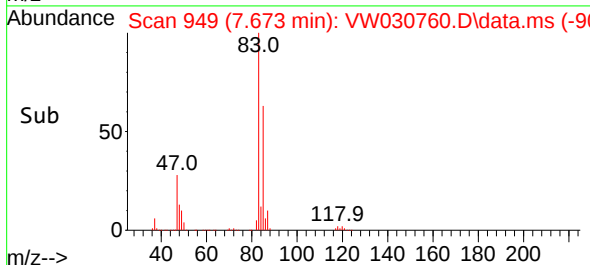
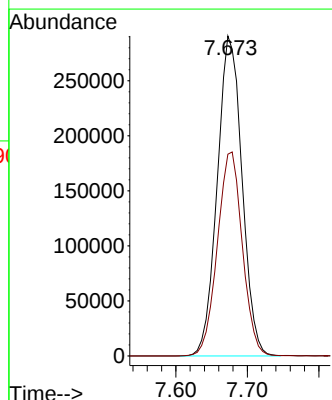
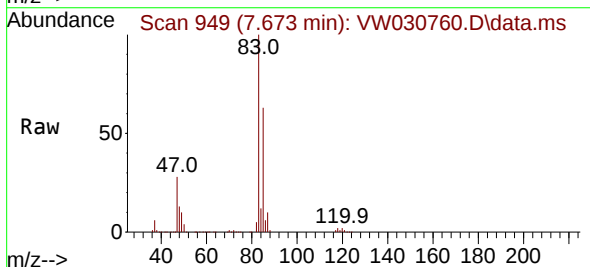
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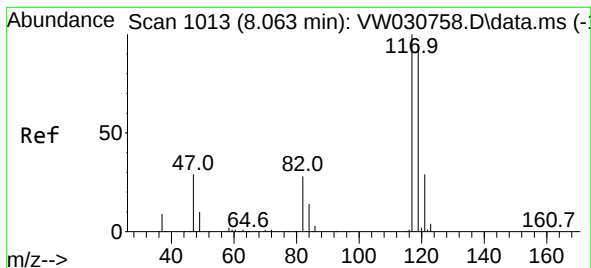
Tgt Ion: 43 Resp: 243825
Ion Ratio Lower Upper
43 100
72 26.9 14.4 43.0



#25
Chloroform
Concen: 92.680 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion: 83 Resp: 700523
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.7





#31

Carbon tetrachloride

Concen: 17.064 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW030760.D

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Instrument :

MSVOA_W

ClientSampleId :

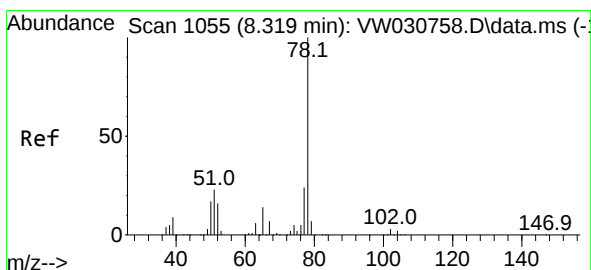
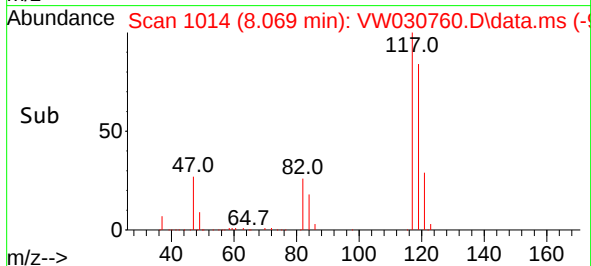
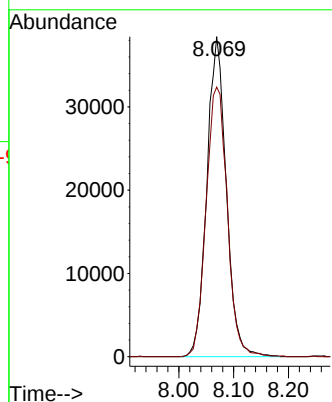
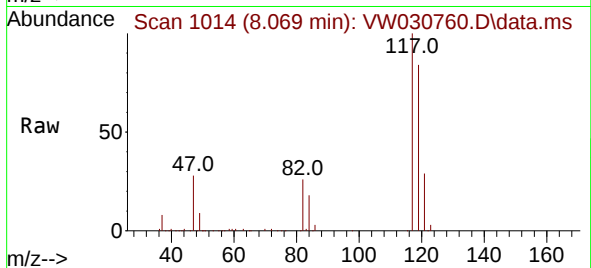
A4E60

Tgt Ion:117 Resp: 94137

Ion Ratio Lower Upper

117 100

119 92.4 77.8 116.8



#33

Benzene

Concen: 69.538 ug/L

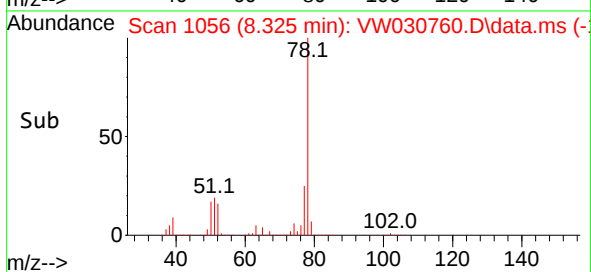
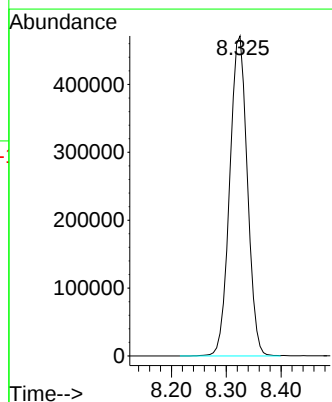
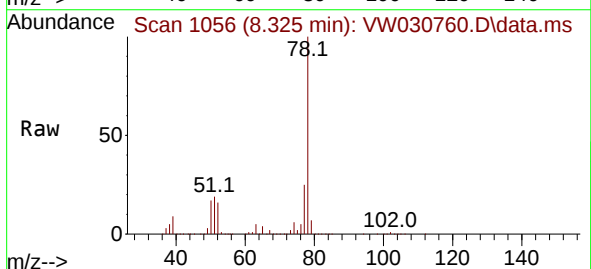
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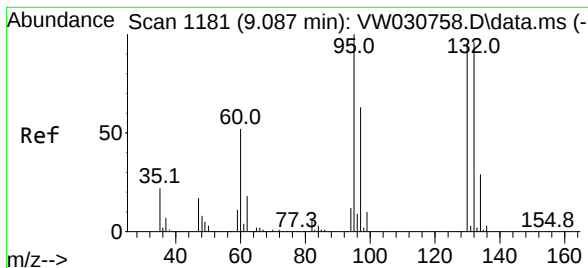
Delta R.T. 0.006 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

Tgt Ion: 78 Resp: 1052914





#34

Trichloroethene

Concen: 99.275 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

Instrument :

MSVOA_W

ClientSampleId :

A4E60

Tgt Ion: 95 Resp: 418196

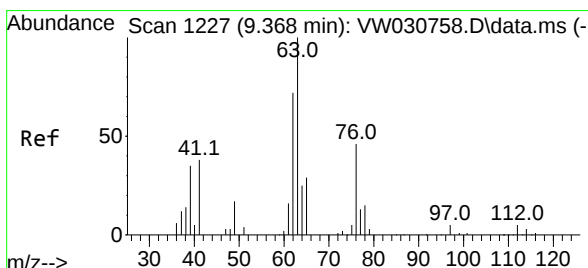
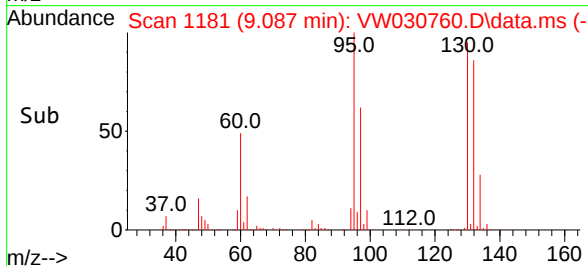
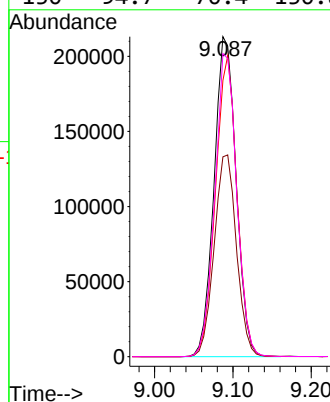
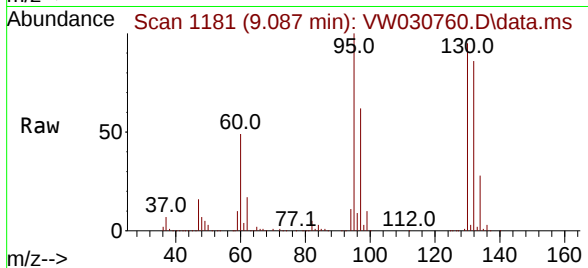
Ion Ratio Lower Upper

95 100

97 62.4 45.9 85.3

132 86.3 66.4 123.2

130 94.7 70.4 130.8



#37

1,2-Dichloropropane

Concen: 39.410 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030760.D

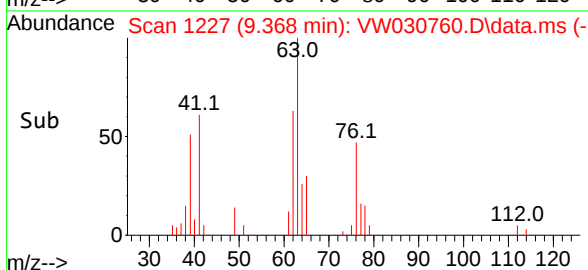
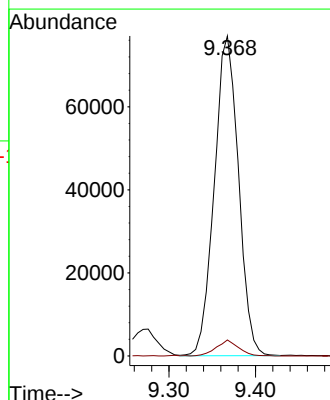
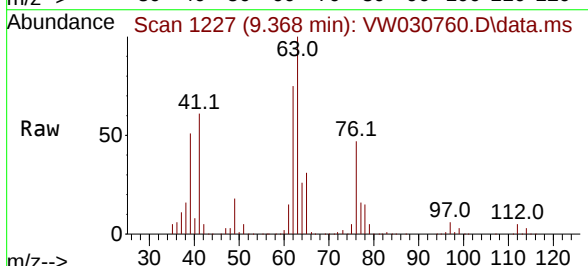
Acq: 25 Oct 2024 12:30

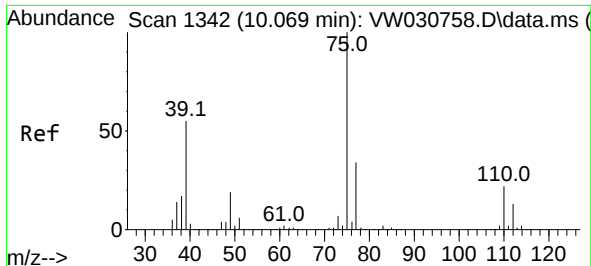
Tgt Ion: 63 Resp: 149037

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 70.197 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

Instrument :

MSVOA_W

ClientSampleId :

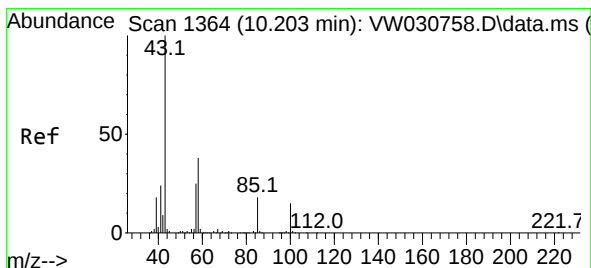
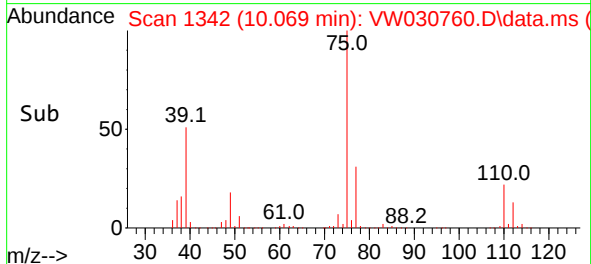
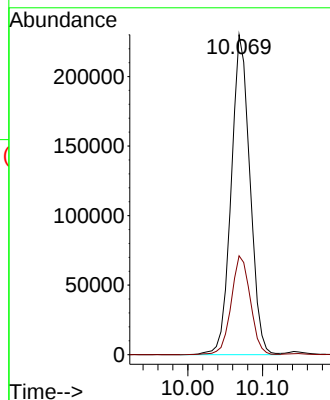
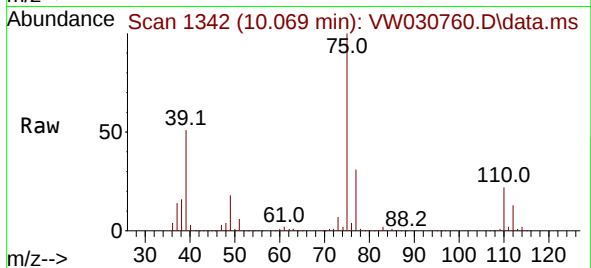
A4E60

Tgt Ion: 75 Resp: 400416

Ion Ratio Lower Upper

75 100

77 30.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 178.791 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

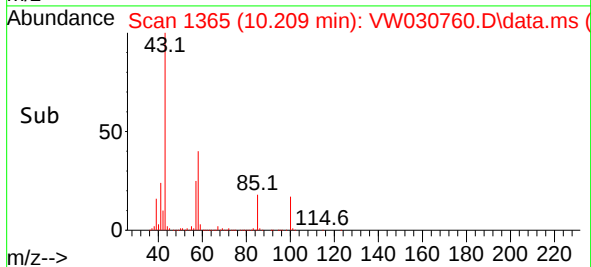
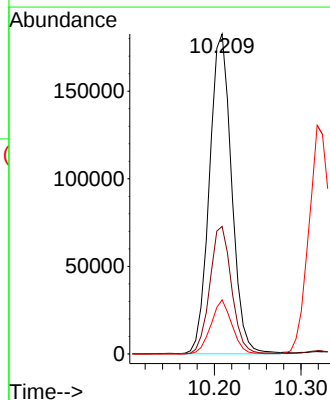
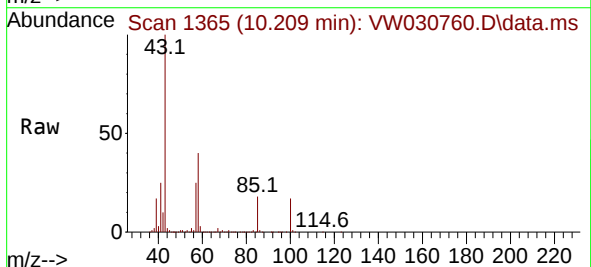
Tgt Ion: 43 Resp: 324819

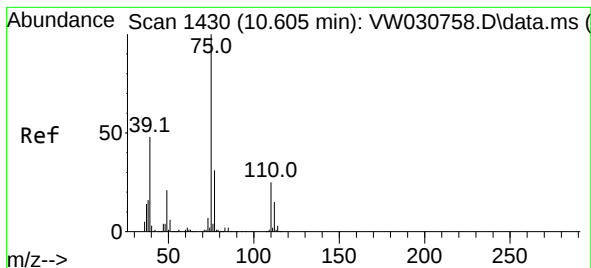
Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.2

100 16.0 13.1 19.7

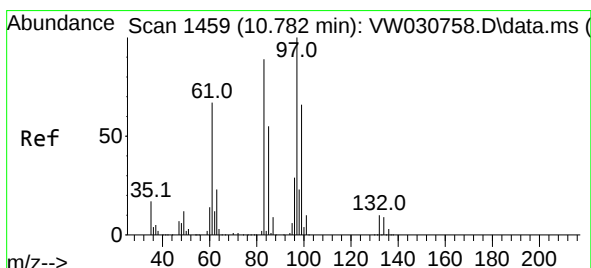
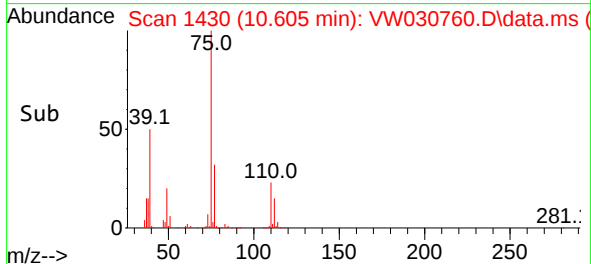
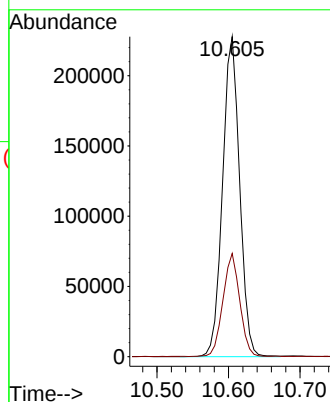
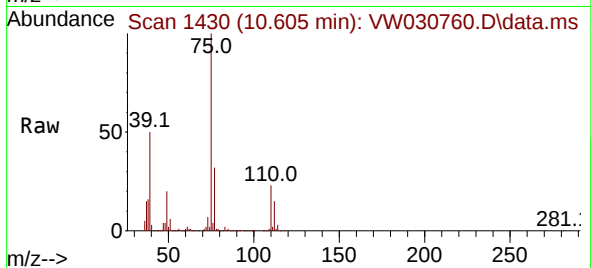




#44
trans-1,3-Dichloropropene
Concen: 78.703 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

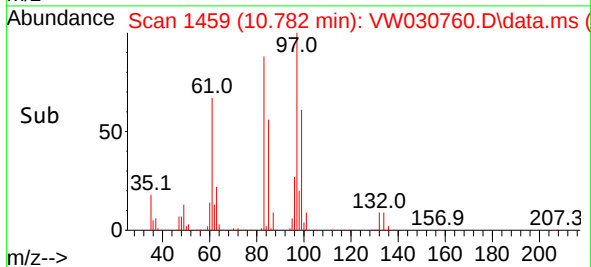
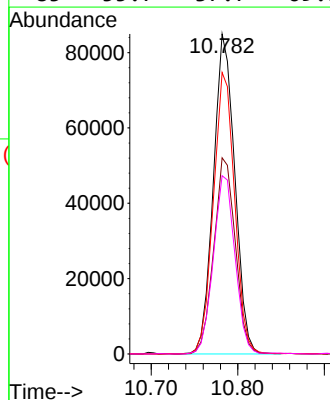
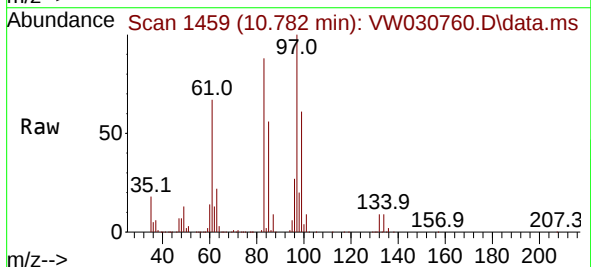
Instrument :
MSVOA_W
ClientSampleId :
A4E60

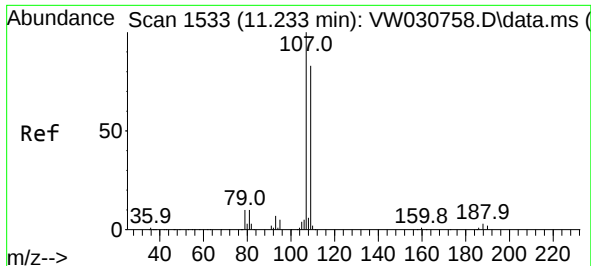
Tgt Ion: 75 Resp: 377253
Ion Ratio Lower Upper
75 100
77 32.2 21.6 40.2



#45
1,1,2-Trichloroethane
Concen: 53.324 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion: 97 Resp: 145741
Ion Ratio Lower Upper
97 100
99 61.3 41.2 76.6
83 87.9 59.6 110.6
85 55.7 37.7 69.9





#50

1,2-Dibromoethane

Concen: 50.851 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

Instrument :

MSVOA_W

ClientSampleId :

A4E60

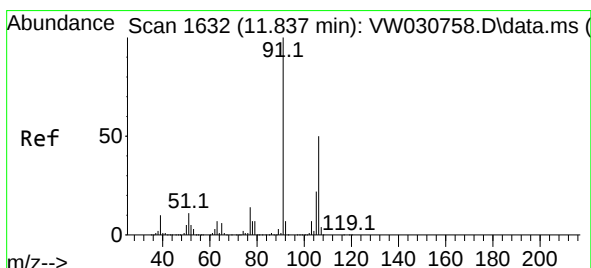
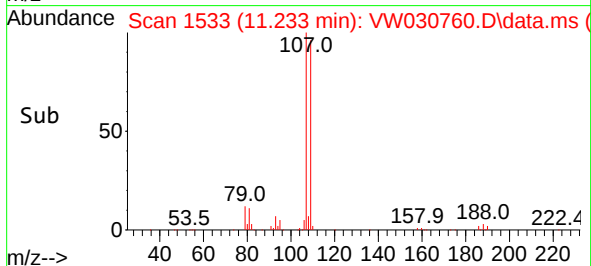
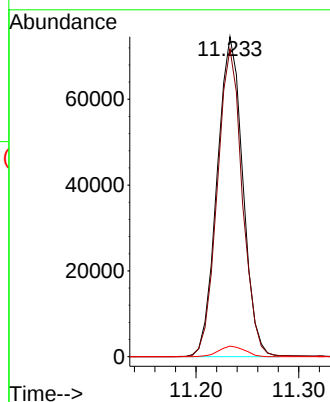
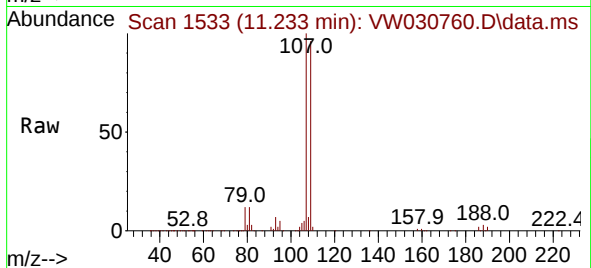
Tgt Ion:107 Resp: 129686

Ion Ratio Lower Upper

107 100

109 96.2 63.8 118.6

188 3.3 2.6 3.8



#53

m,p-Xylene

Concen: 50.776 ug/L

RT: 11.831 min Scan# 1631

Delta R.T. -0.006 min

Lab File: VW030760.D

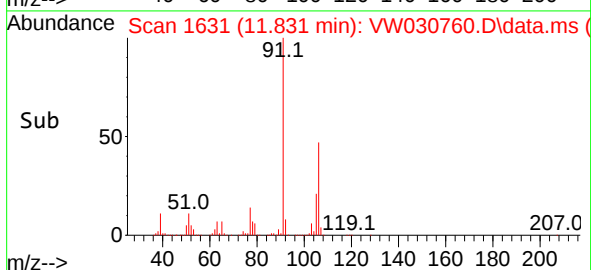
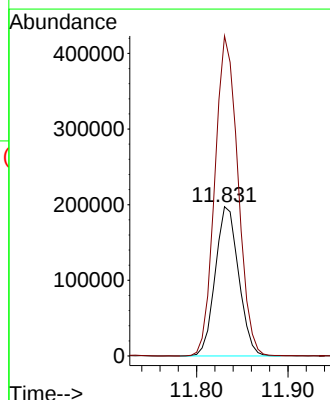
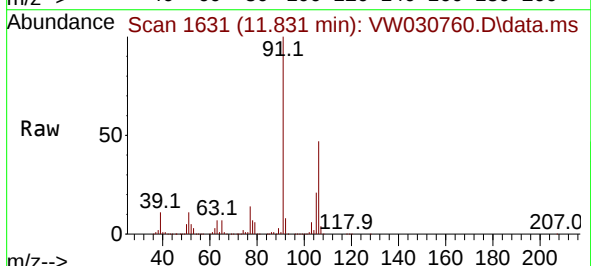
Acq: 25 Oct 2024 12:30

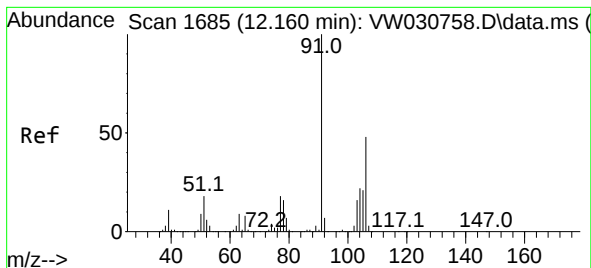
Tgt Ion:106 Resp: 350642

Ion Ratio Lower Upper

106 100

91 214.4 140.6 261.2





#54

o-Xylene

Concen: 69.607 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

Instrument :

MSVOA_W

ClientSampleId :

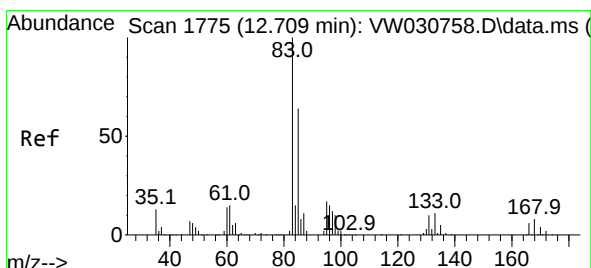
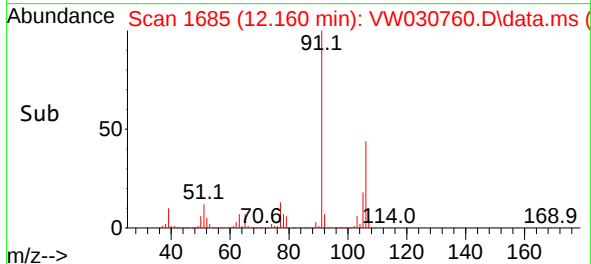
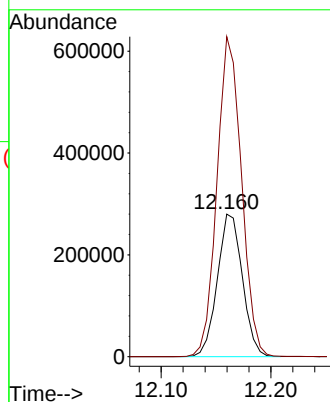
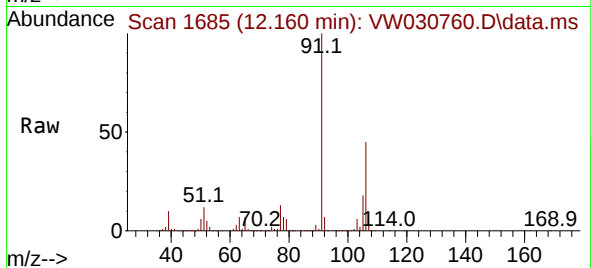
A4E60

Tgt Ion:106 Resp: 444393

Ion Ratio Lower Upper

106 100

91 224.4 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 55.708 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW030760.D

Acq: 25 Oct 2024 12:30

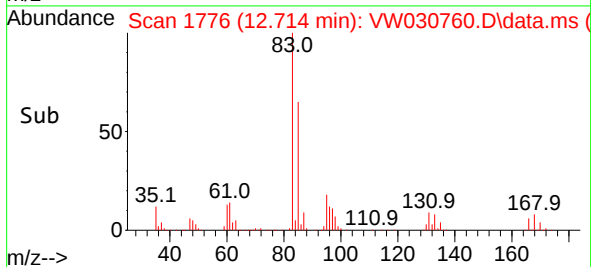
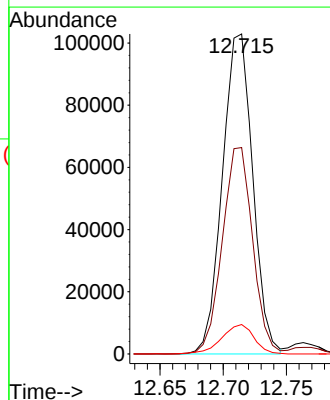
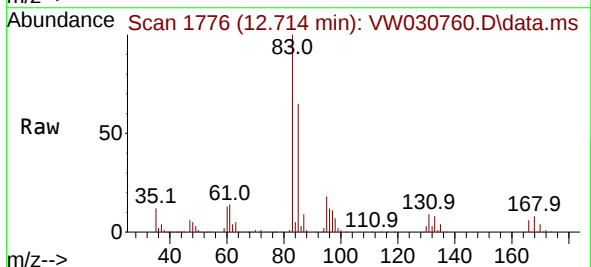
Tgt Ion: 83 Resp: 171698

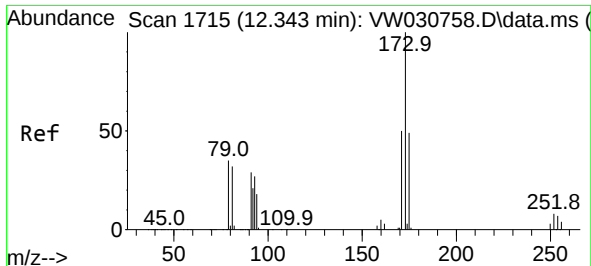
Ion Ratio Lower Upper

83 100

85 64.5 42.6 79.2

131 9.2 7.4 11.0

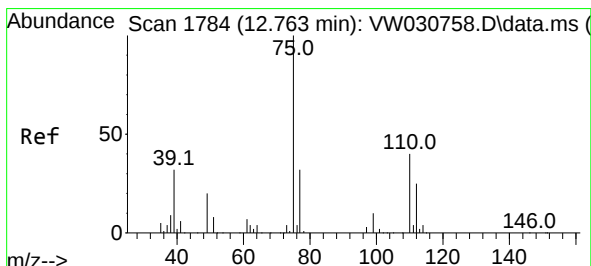
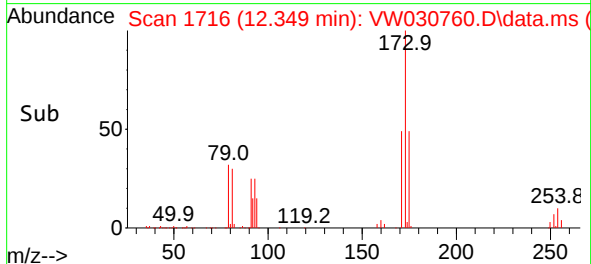
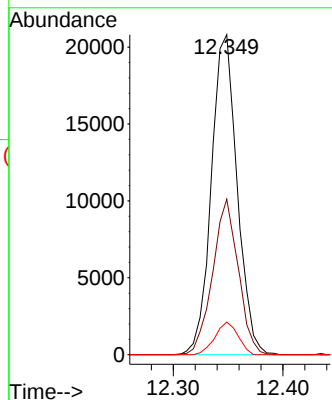
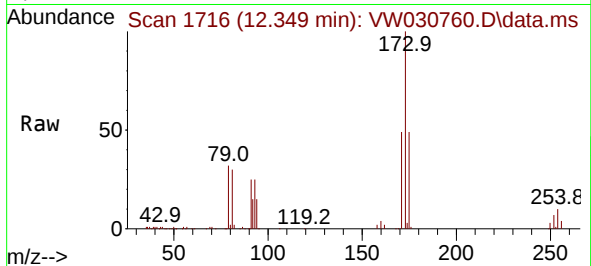




#59
Bromoform
Concen: 19.590 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

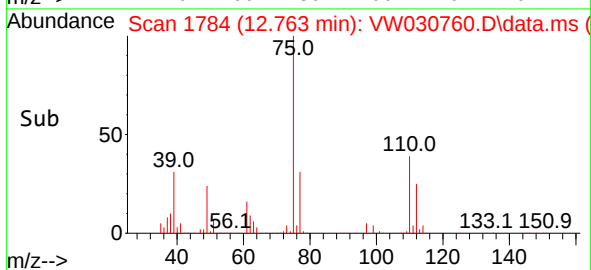
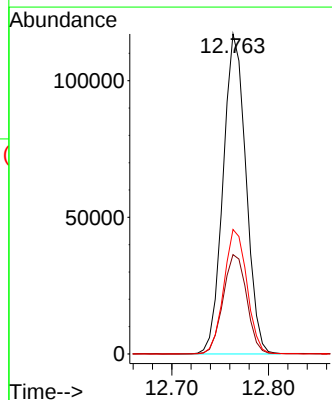
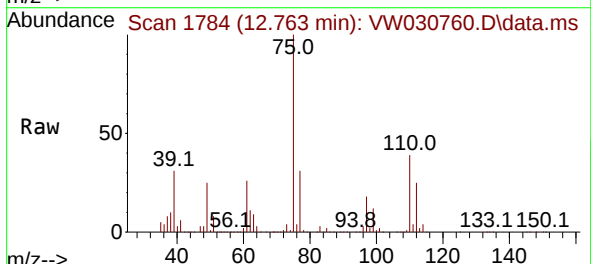
Instrument :
MSVOA_W
ClientSampleId :
A4E60

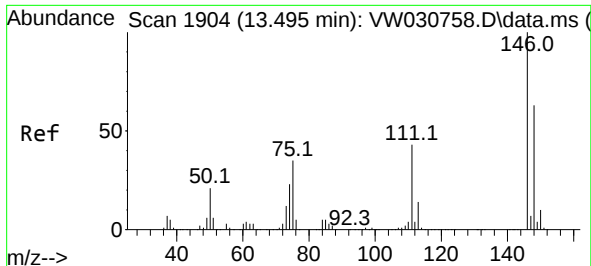
Tgt Ion:173 Resp: 34068
Ion Ratio Lower Upper
173 100
175 48.2 39.0 58.4
254 9.1 7.7 11.5



#61
1,2,3-Trichloropropane
Concen: 79.849 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion: 75 Resp: 192326
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 39.2 32.3 48.5

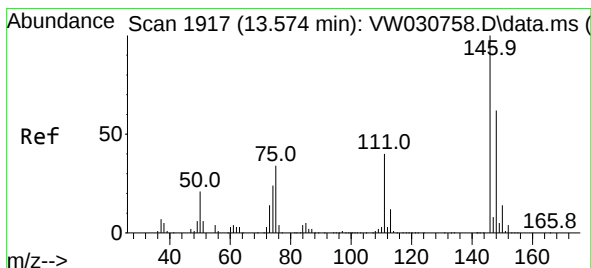
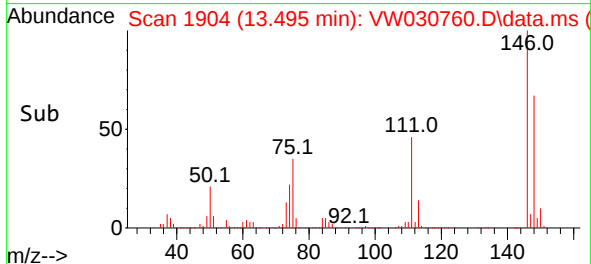
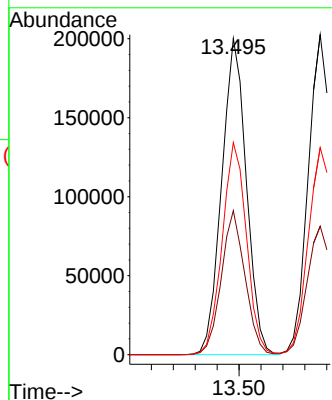
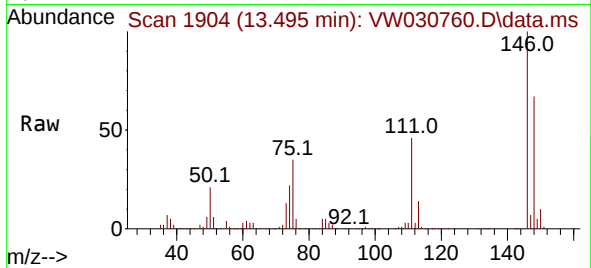




#64
1,3-Dichlorobenzene
Concen: 37.535 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

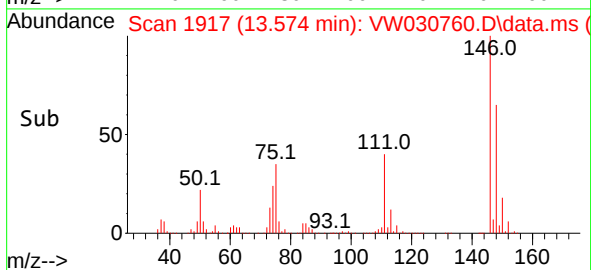
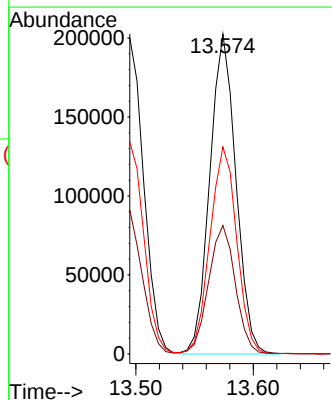
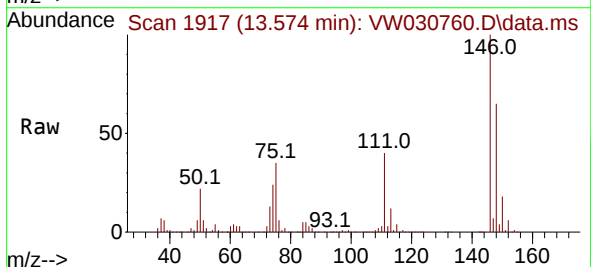
Instrument :
MSVOA_W
ClientSampleId :
A4E60

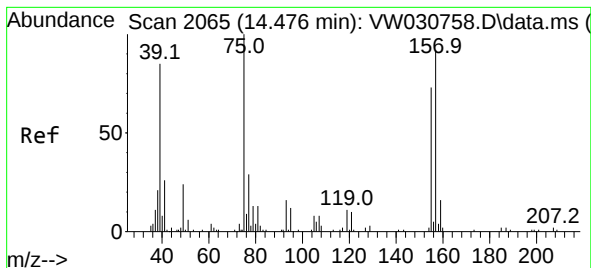
Tgt Ion:146 Resp: 313182
Ion Ratio Lower Upper
146 100
111 45.5 31.2 58.0
148 67.1 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 36.305 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030760.D
Acq: 25 Oct 2024 12:30

Tgt Ion:146 Resp: 312785
Ion Ratio Lower Upper
146 100
111 40.2 26.8 49.8
148 64.7 41.0 76.2

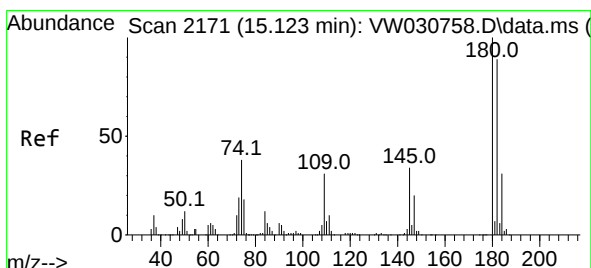
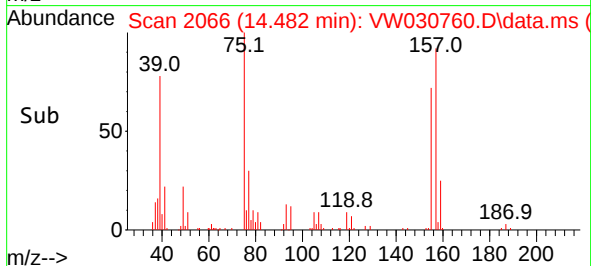
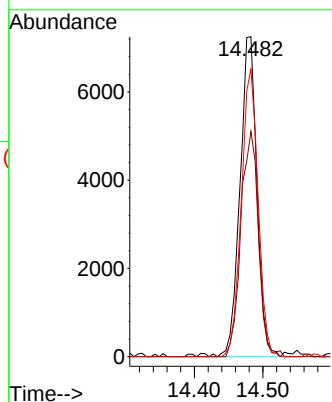
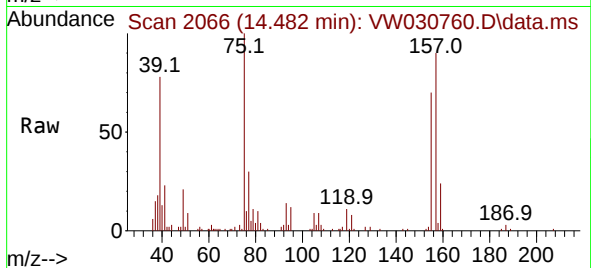




#68
 1,2-Dibromo-3-chloropropane
 Concen: 23.373 ug/L
 RT: 14.482 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VW030760.D
 Acq: 25 Oct 2024 12:30

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E60

Tgt Ion: 75 Resp: 12553
 Ion Ratio Lower Upper
 75 100
 155 70.4 57.9 86.9
 157 89.8 69.0 103.6



#70
 1,2,4-trichlorobenzene
 Concen: 20.838 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VW030760.D
 Acq: 25 Oct 2024 12:30

Tgt Ion:180 Resp: 92298
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.2 112.8
 145 30.2 25.4 38.2

