

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102524\
 Data File : VW030767.D
 Acq On : 25 Oct 2024 15:18
 Operator : SY/MD
 Sample : P4493-07
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 23:22:39 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	223568	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	201780	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	99074	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	36058	10.261	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	41.040%
7) Chloroethane-d5	2.899	69	35966	13.521	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.080%
11) 1,1-Dichloroethene-d2	4.021	65	16668	11.404	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.600%
21) 2-Butanone-d5	7.081	46	32686	51.684	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.360%
24) Chloroform-d	7.648	84	136558	21.359	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.440%
26) 1,2-Dichloroethane-d4	8.398	65	177	0.053	ug/L	0.10
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.200%#
32) Benzene-d6	8.276	84	170012	14.517	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	58.080%
36) 1,2-Dichloropropane-d6	9.276	67	60771	17.680	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	70.720%
41) Toluene-d8	10.319	98	150894	14.114	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	56.440%
43) trans-1,3-Dichloroprop...	10.575	79	24214	16.823	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.280%
47) 2-Hexanone-d5	10.922	63	23291	52.608	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.220%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	62045	24.578	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.320%
66) 1,2-Dichlorobenzene-d4	13.848	152	56326	16.802	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	67.200%#
Target Compounds						
					Qvalue	
13) Acetone	4.119	43	64574	69.744	ug/L	98
16) Methylene chloride	4.917	84	320572	94.847	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	116021	35.846	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	249567	55.094	ug/L	99
19) 1,1-Dichloroethane	6.216	63	623504	103.649	ug/L	99
22) 2-Butanone	7.167	43	222523	222.964	ug/L	96
25) Chloroform	7.679	83	663181	103.163	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	4741	0.885	ug/L #	72
31) Carbon tetrachloride	8.069	117	90414	18.899	ug/L	98
33) Benzene	8.325	78	1018453	77.562	ug/L	100
34) Trichloroethene	9.093	95	403454	110.441	ug/L	95
37) 1,2-Dichloropropane	9.368	63	144879	44.177	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	370552	74.909	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	295568	187.602	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	356287	85.711	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	141563	59.726	ug/L	99
50) 1,2-Dibromoethane	11.233	107	121523	54.947	ug/L	88
53) m,p-Xylene	11.831	106	337541	56.364	ug/L	96
54) o-Xylene	12.160	106	419734	75.812	ug/L	93

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

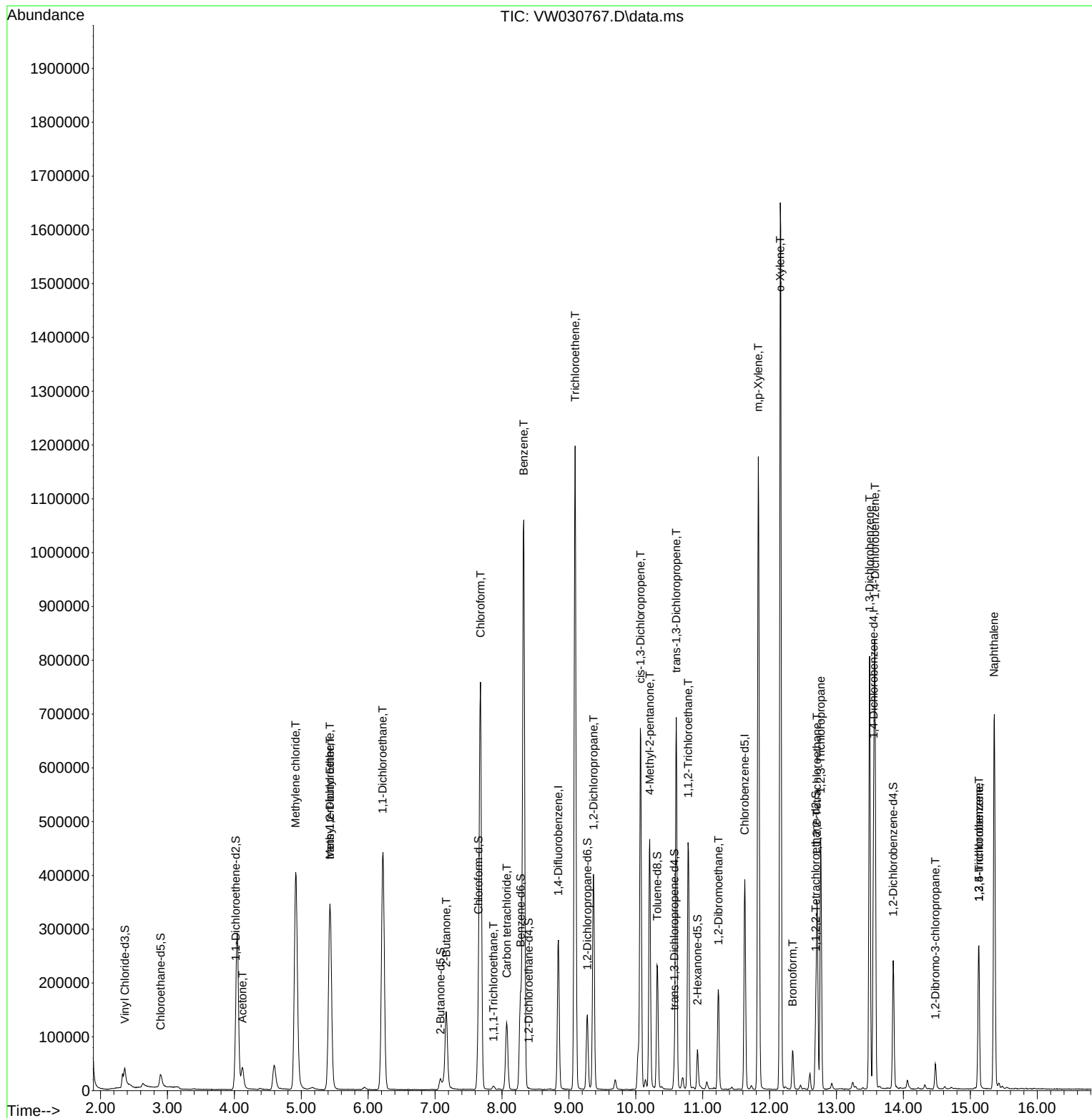
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	160332	59.985	ug/L	96
59) Bromoform	12.343	173	30601	21.984	ug/L	96
61) 1,2,3-Trichloropropane	12.763	75	179944	93.338	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	295418	44.235	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	295629	42.871	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.476	75	11476	26.697	ug/L	97
69) 1,3,5-Trichlorobenzene	15.129	180	80322	18.239	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	80322	22.656	ug/L	97
71) Naphthalene	15.354	128	572121	93.405	ug/L	98

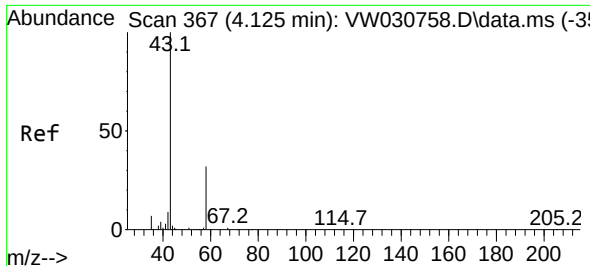
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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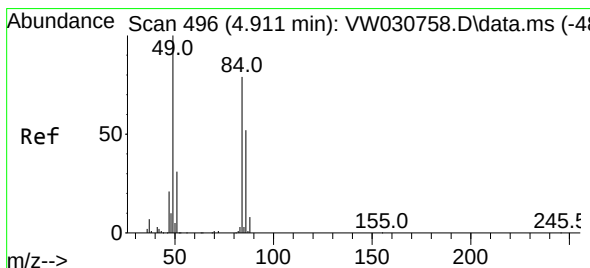
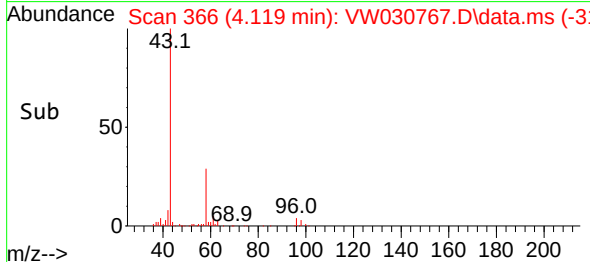
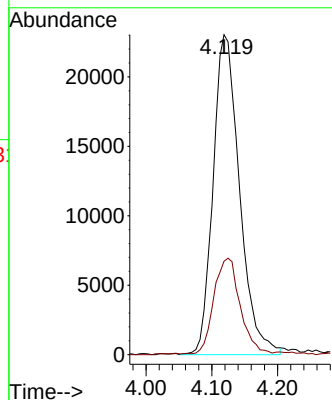
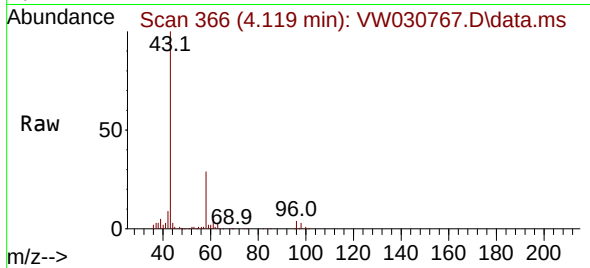




#13
Acetone
Concen: 69.744 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

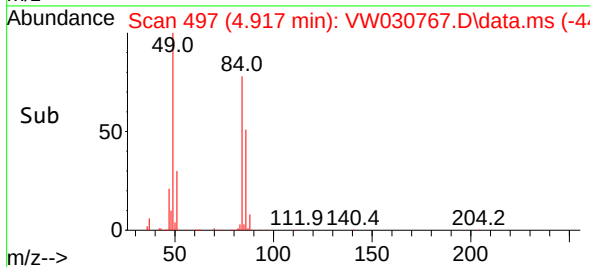
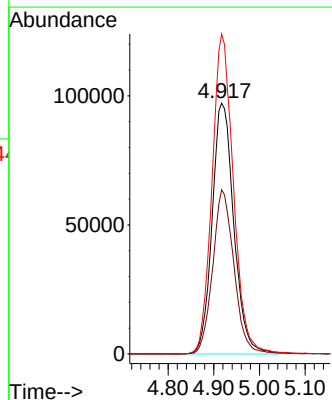
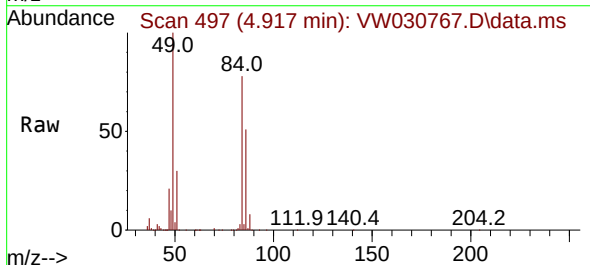
Instrument :
MSVOA_W
ClientSampleId :

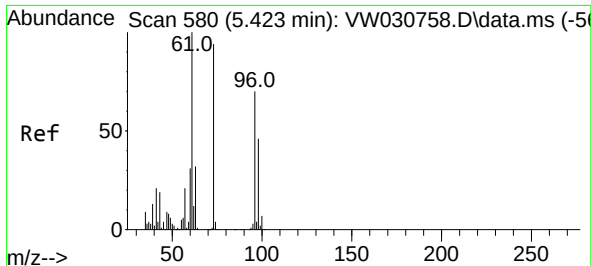
Tgt Ion: 43 Resp: 64574
Ion Ratio Lower Upper
43 100
58 30.1 0.0 57.6



#16
Methylene chloride
Concen: 94.847 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

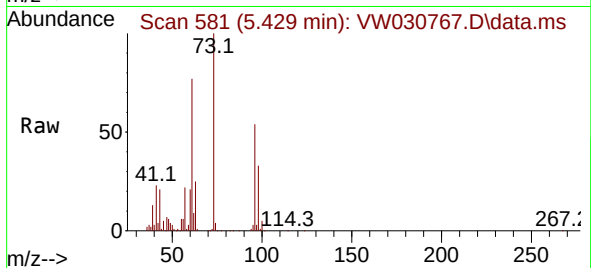
Tgt Ion: 84 Resp: 320572
Ion Ratio Lower Upper
84 100
86 65.5 43.8 81.3
49 127.6 88.3 164.1



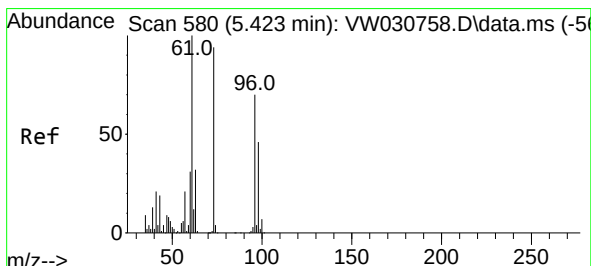
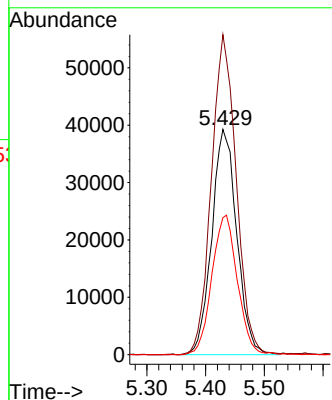
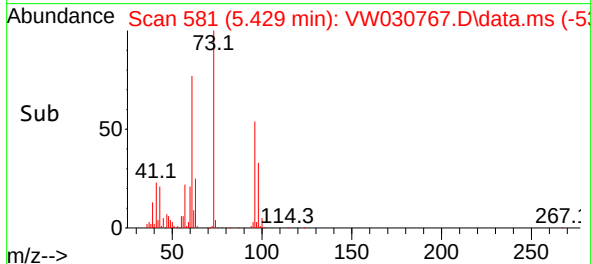


#17
trans-1,2-Dichloroethene
Concen: 35.846 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

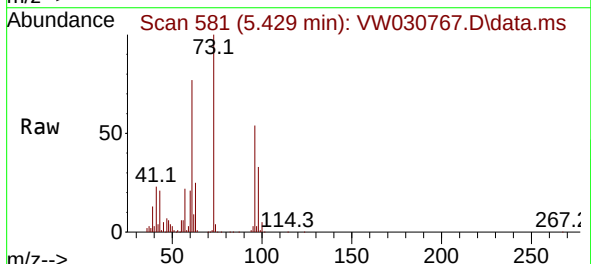
Instrument :
MSVOA_W
ClientSampleId :



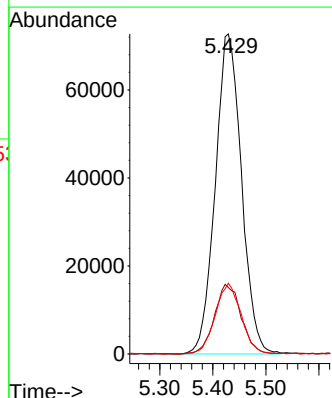
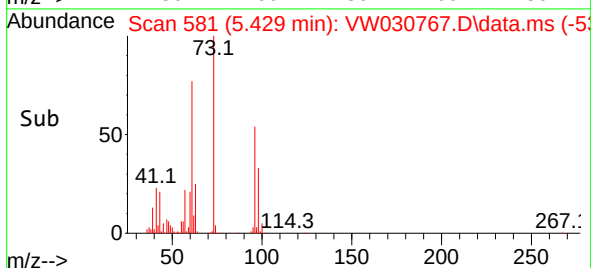
Tgt Ion: 96 Resp: 116021
Ion Ratio Lower Upper
96 100
61 142.1 96.9 179.9
98 60.8 42.2 78.4

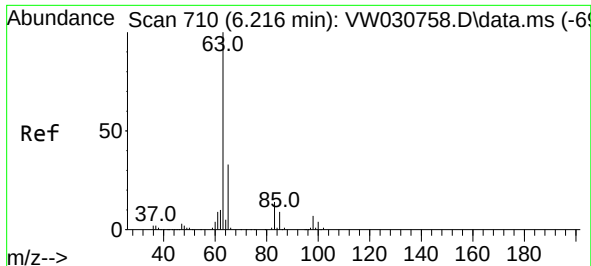


#18
Methyl tert-butyl Ether
Concen: 55.094 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18



Tgt Ion: 73 Resp: 249567
Ion Ratio Lower Upper
73 100
43 22.1 18.1 27.1
57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 103.649 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

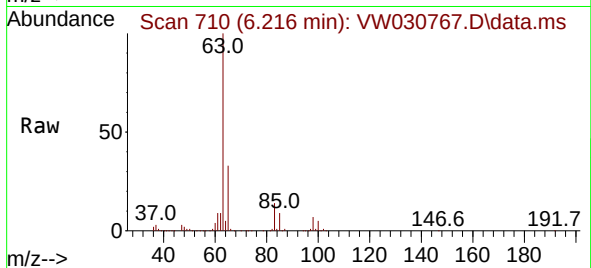
Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :



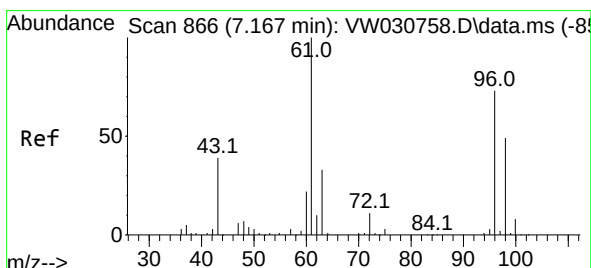
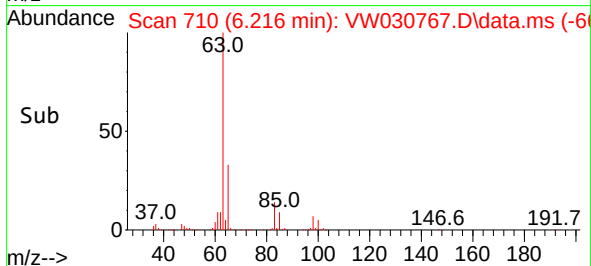
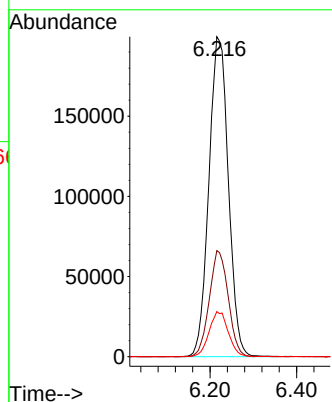
Tgt Ion: 63 Resp: 623504

Ion Ratio Lower Upper

63 100

65 33.1 22.5 41.9

83 14.1 9.8 18.2



#22

2-Butanone

Concen: 222.964 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW030767.D

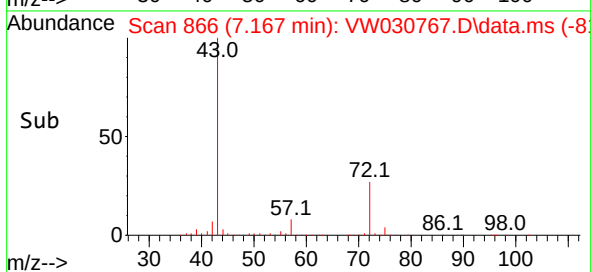
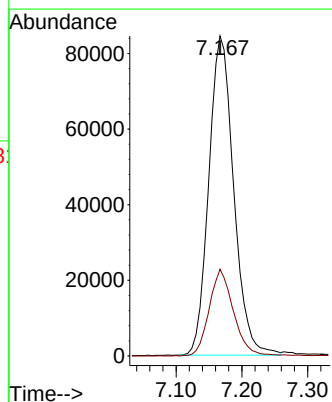
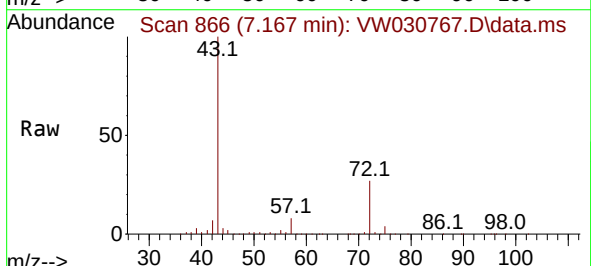
Acq: 25 Oct 2024 15:18

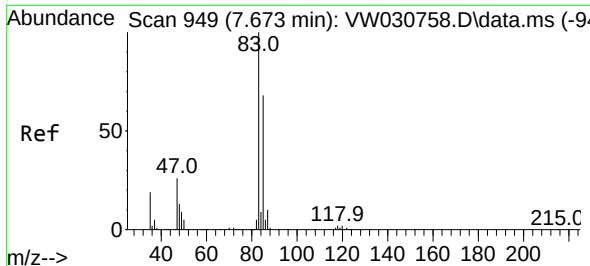
Tgt Ion: 43 Resp: 222523

Ion Ratio Lower Upper

43 100

72 26.5 14.4 43.0

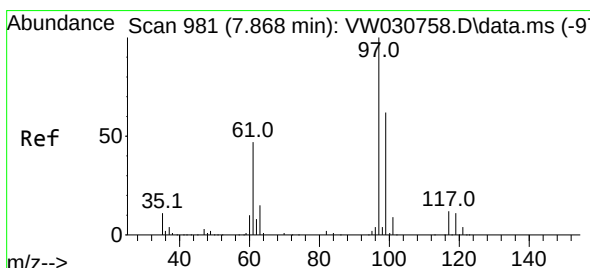
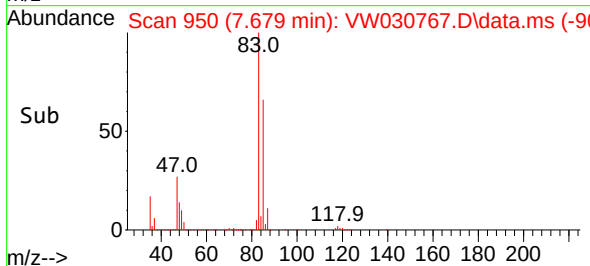
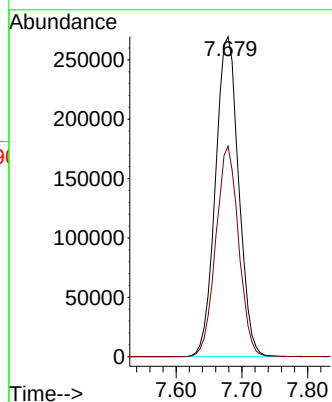
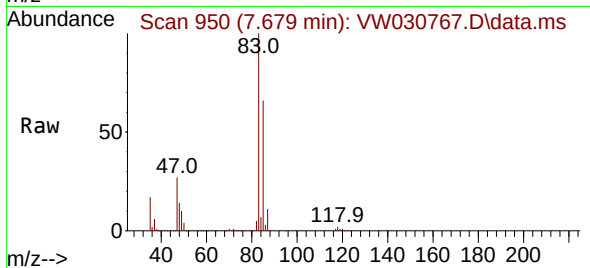




#25
Chloroform
Concen: 103.163 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

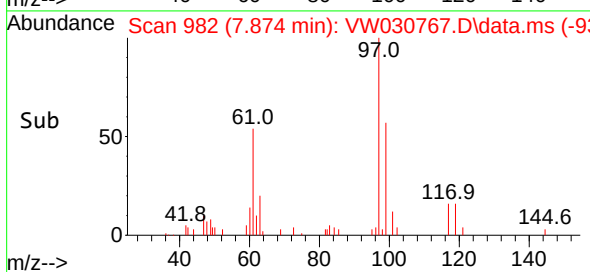
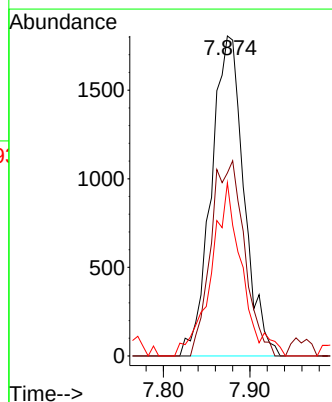
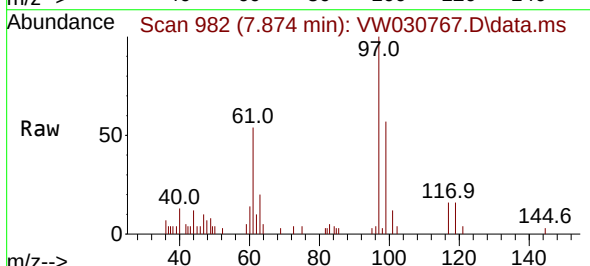
Instrument :
MSVOA_W
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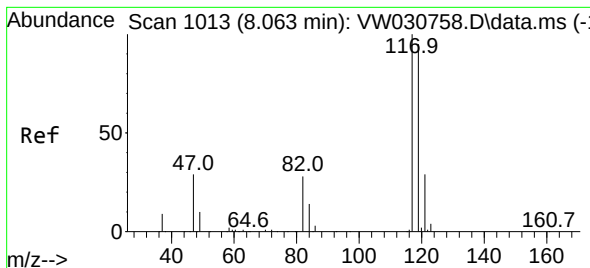
Tgt Ion: 83 Resp: 663181
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7



#30
1,1,1-Trichloroethane
Concen: 0.885 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

Tgt Ion: 97 Resp: 4741
Ion Ratio Lower Upper
97 100
99 26.5 52.3 78.5#
61 47.9 38.5 57.7





#31

Carbon tetrachloride

Concen: 18.899 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

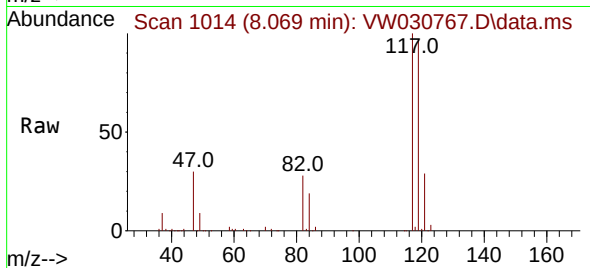
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Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

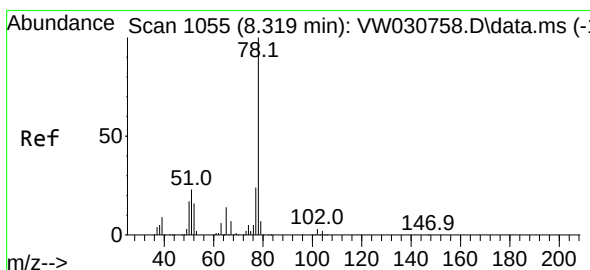
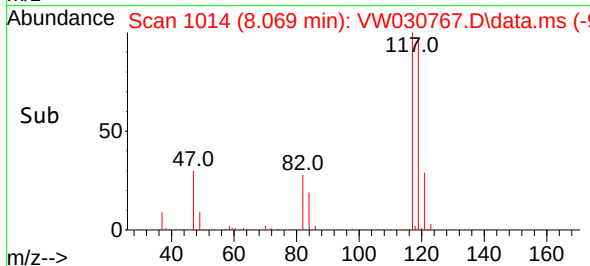
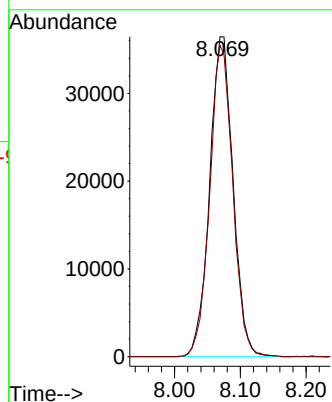


Tgt Ion:117 Resp: 90414

Ion Ratio Lower Upper

117 100

119 95.6 77.8 116.8



#33

Benzene

Concen: 77.562 ug/L

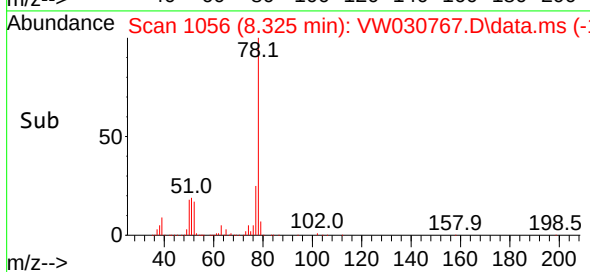
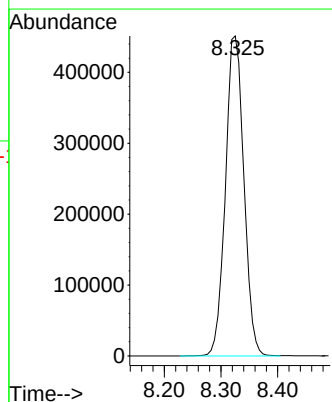
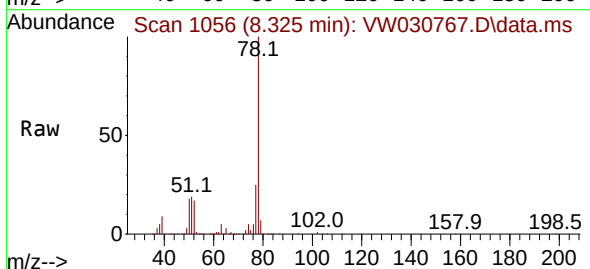
RT: 8.325 min Scan# 1056

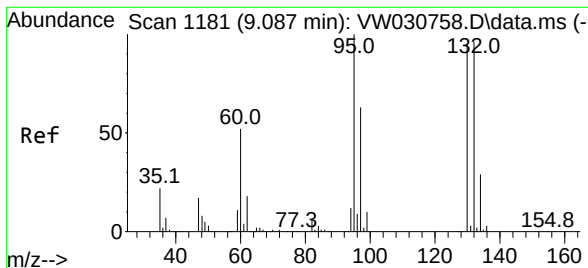
Delta R.T. 0.006 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Tgt Ion: 78 Resp: 1018453





#34

Trichloroethene

Concen: 110.441 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 403454

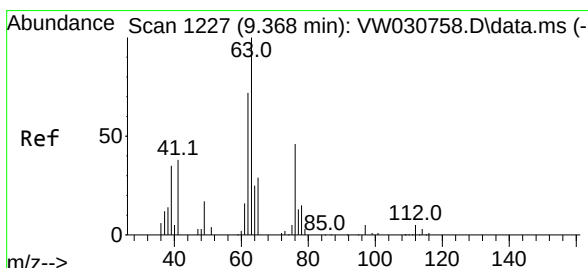
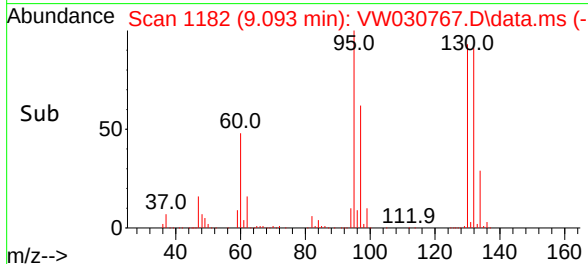
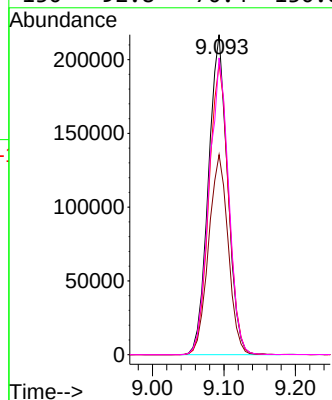
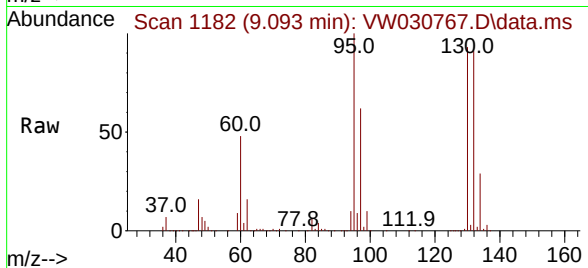
Ion Ratio Lower Upper

95 100

97 62.5 45.9 85.3

132 90.8 66.4 123.2

130 92.8 70.4 130.8



#37

1,2-Dichloropropane

Concen: 44.177 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030767.D

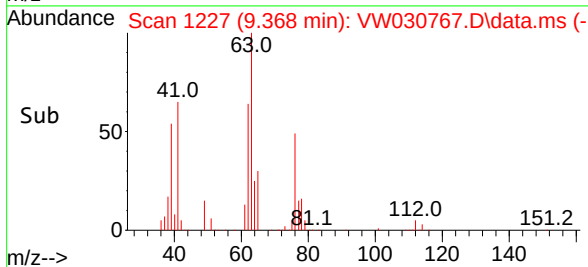
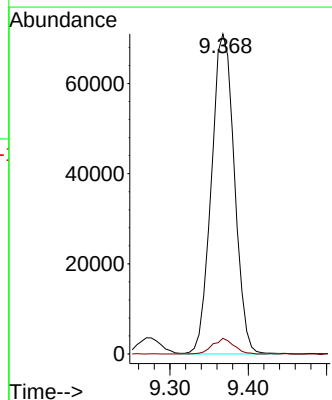
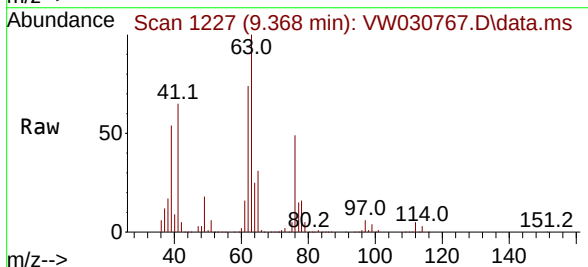
Acq: 25 Oct 2024 15:18

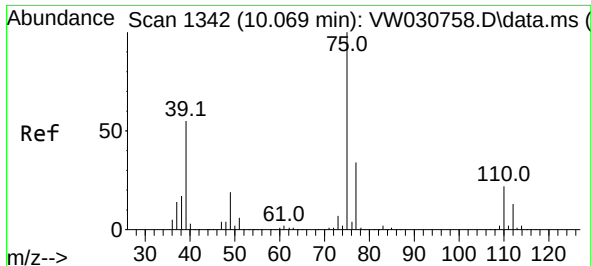
Tgt Ion: 63 Resp: 144879

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 74.909 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

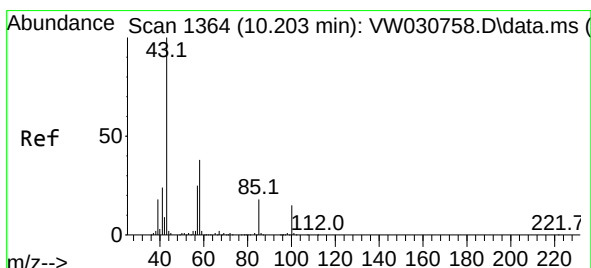
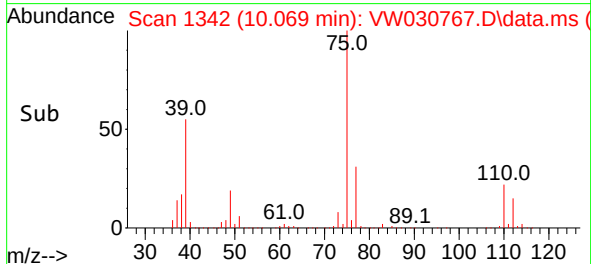
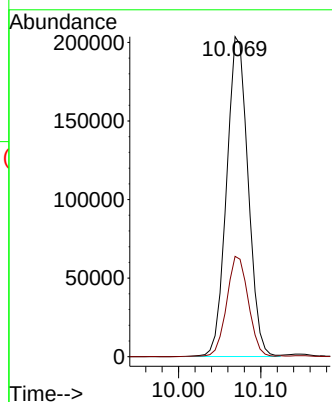
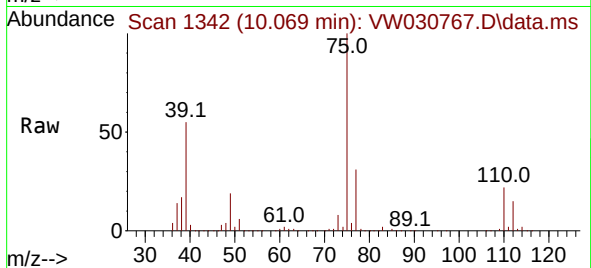
ClientSampleId :

Tgt Ion: 75 Resp: 370552

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 187.602 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

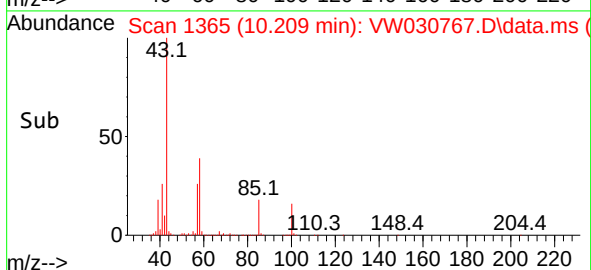
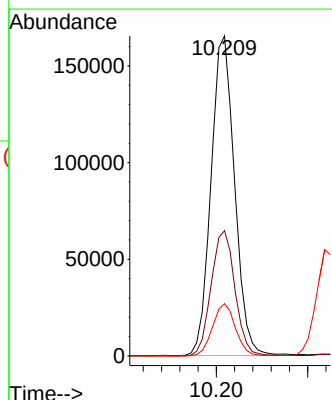
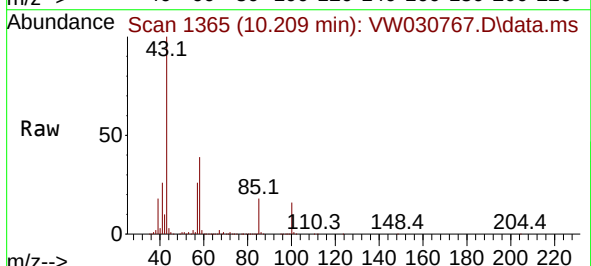
Tgt Ion: 43 Resp: 295568

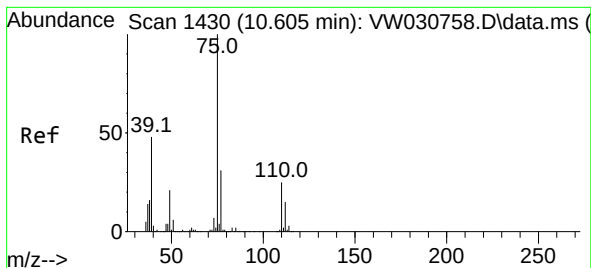
Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.2

100 15.9 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 85.711 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

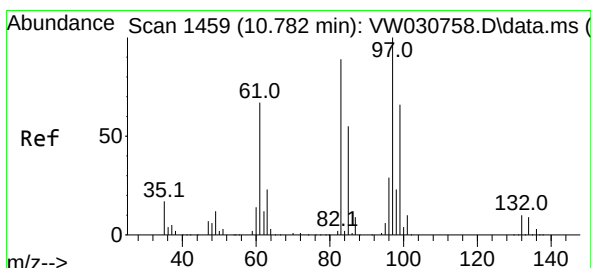
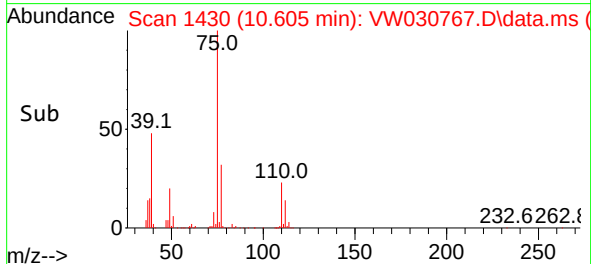
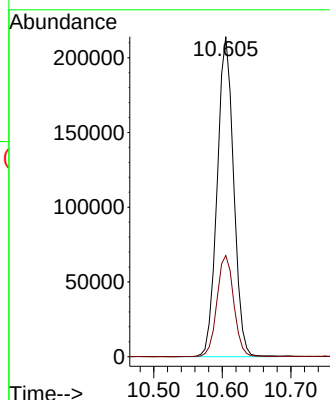
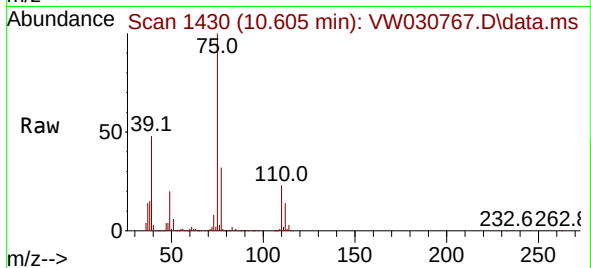
ClientSampleId :

Tgt Ion: 75 Resp: 356287

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 59.726 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Tgt Ion: 97 Resp: 141563

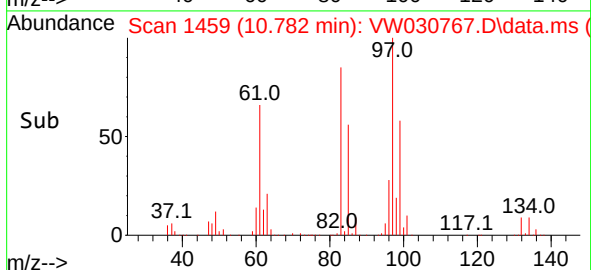
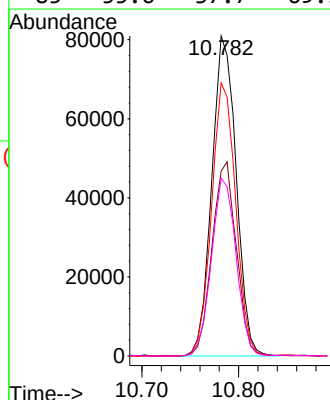
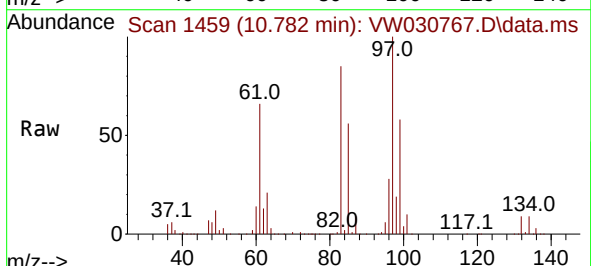
Ion Ratio Lower Upper

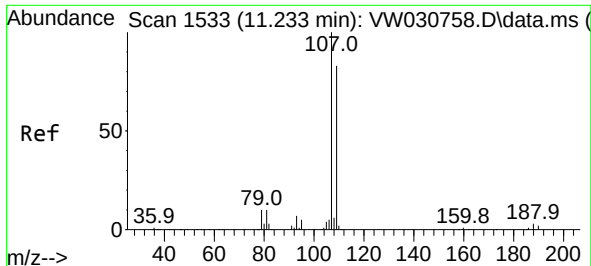
97 100

99 57.8 41.2 76.6

83 85.3 59.6 110.6

85 55.6 37.7 69.9

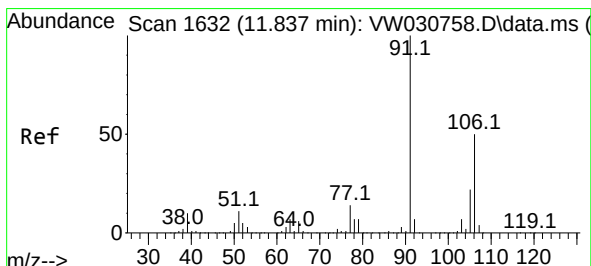
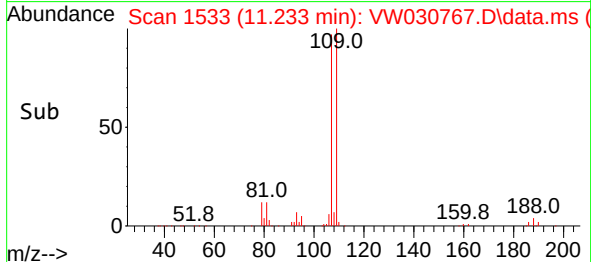
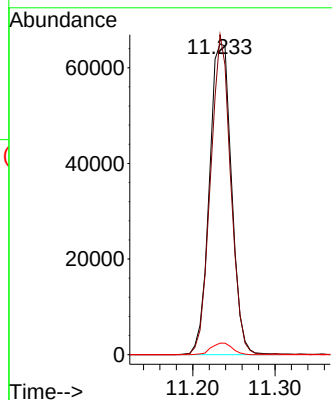
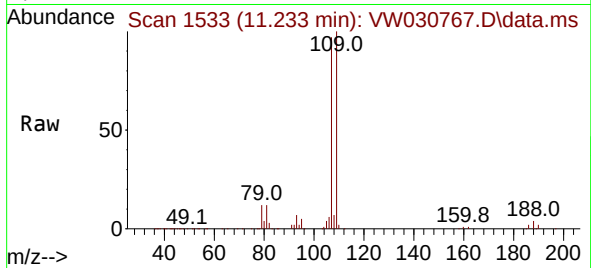




#50
1,2-Dibromoethane
Concen: 54.947 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

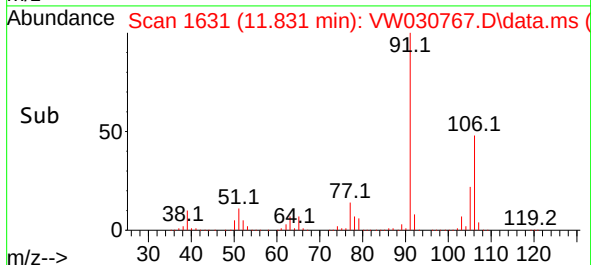
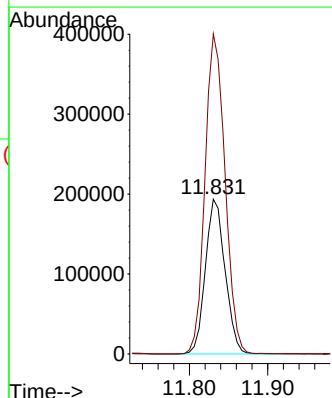
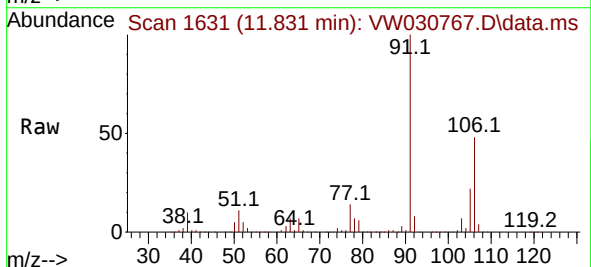
Instrument :
MSVOA_W
ClientSampleId :

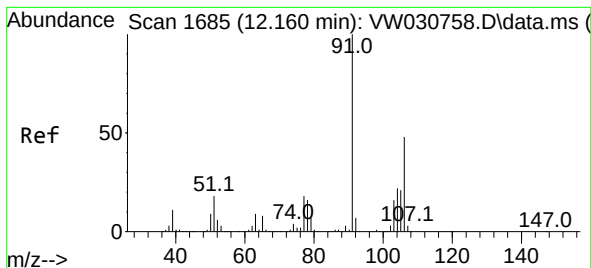
Tgt Ion:107 Resp: 121523
Ion Ratio Lower Upper
107 100
109 102.9 63.8 118.6
188 3.7 2.6 3.8



#53
m,p-Xylene
Concen: 56.364 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

Tgt Ion:106 Resp: 337541
Ion Ratio Lower Upper
106 100
91 206.9 140.6 261.2





#54

o-Xylene

Concen: 75.812 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

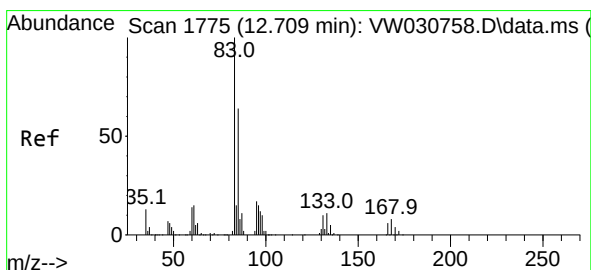
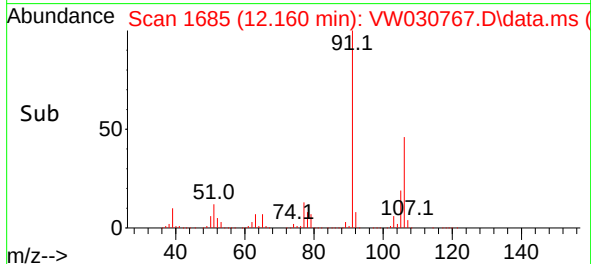
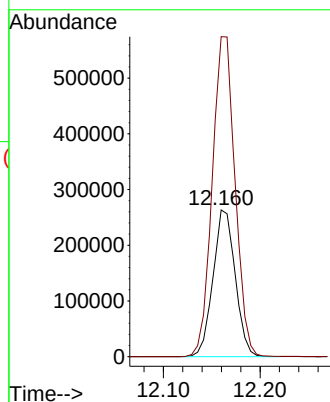
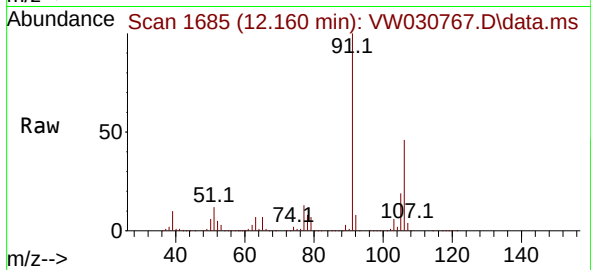
ClientSampleId :

Tgt Ion:106 Resp: 419734

Ion Ratio Lower Upper

106 100

91 218.1 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 59.985 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

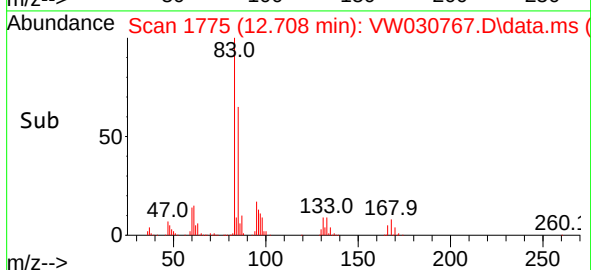
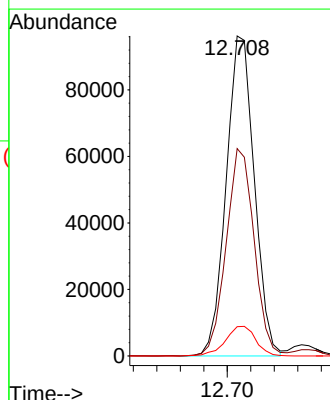
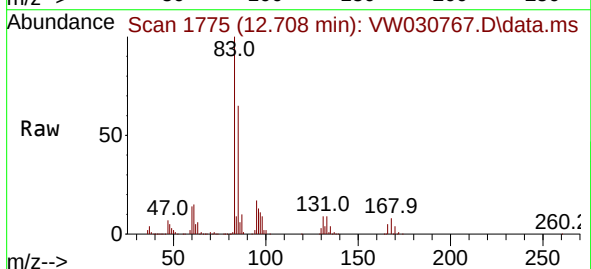
Tgt Ion: 83 Resp: 160332

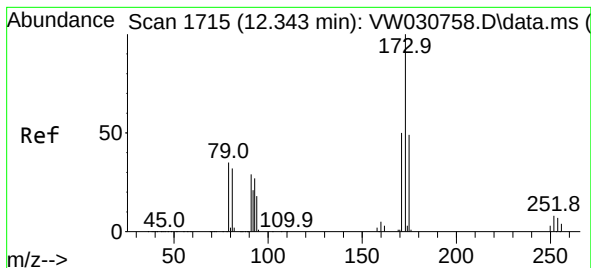
Ion Ratio Lower Upper

83 100

85 64.8 42.6 79.2

131 9.1 7.4 11.0





#59

Bromoform

Concen: 21.984 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.000 min

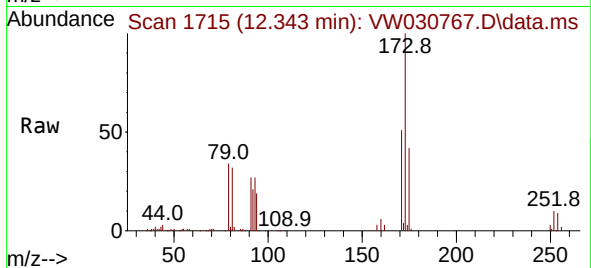
Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

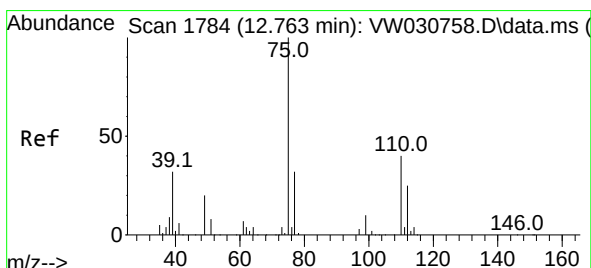
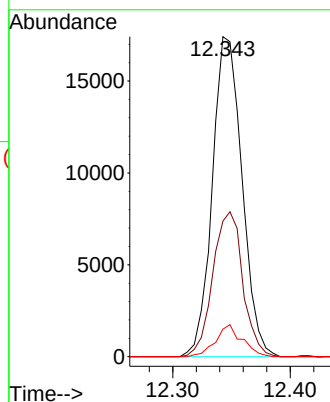
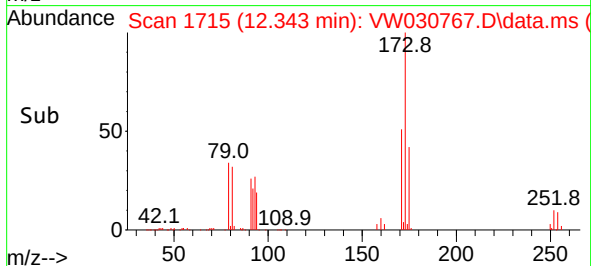
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	173	Resp:	30601
Ion Ratio	Lower	Upper	
173	100		
175	45.6	39.0	58.4
254	8.9	7.7	11.5



#61

1,2,3-Trichloropropane

Concen: 93.338 ug/L

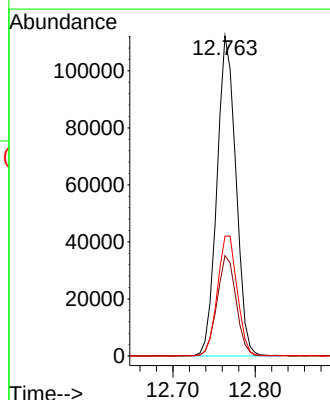
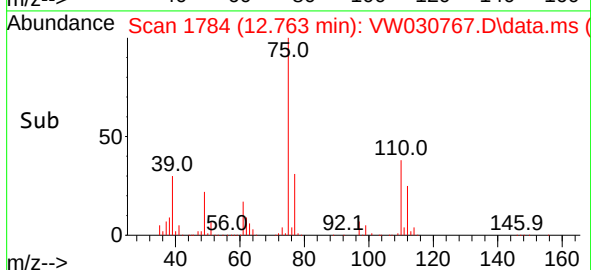
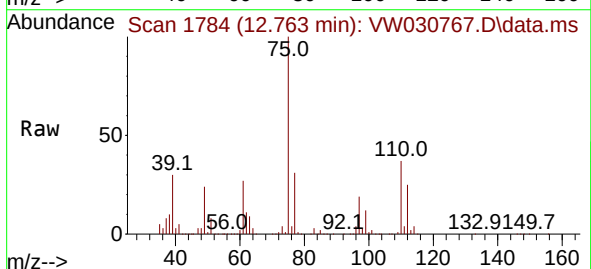
RT: 12.763 min Scan# 1784

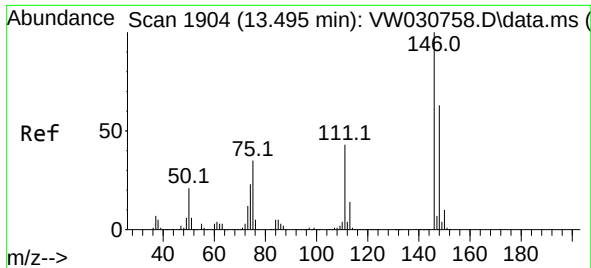
Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Tgt Ion:	75	Resp:	179944
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.7	38.5
110	39.2	32.3	48.5

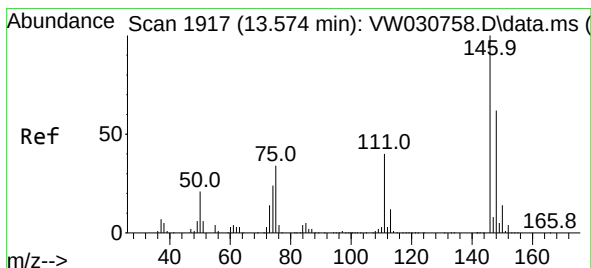
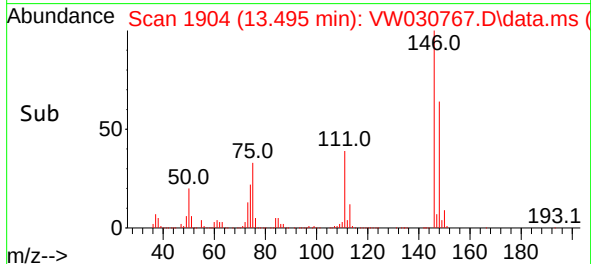
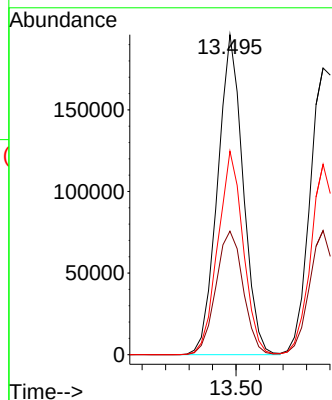
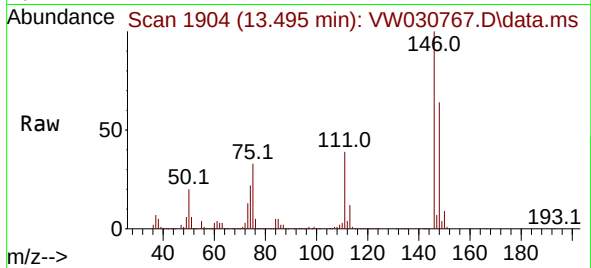




#64
1,3-Dichlorobenzene
Concen: 44.235 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

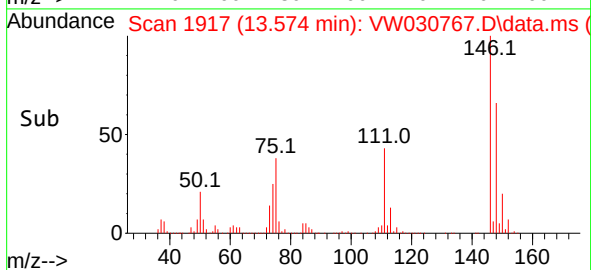
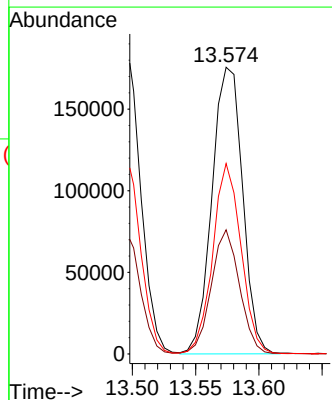
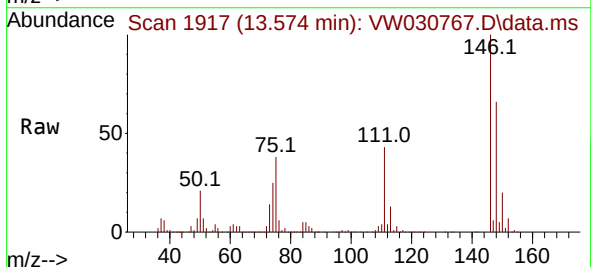
Instrument :
MSVOA_W
ClientSampleId :

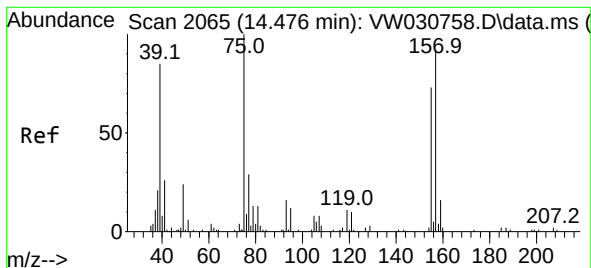
Tgt Ion:146 Resp: 295418
Ion Ratio Lower Upper
146 100
111 38.6 31.2 58.0
148 63.6 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 42.871 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

Tgt Ion:146 Resp: 295629
Ion Ratio Lower Upper
146 100
111 43.3 26.8 49.8
148 66.4 41.0 76.2

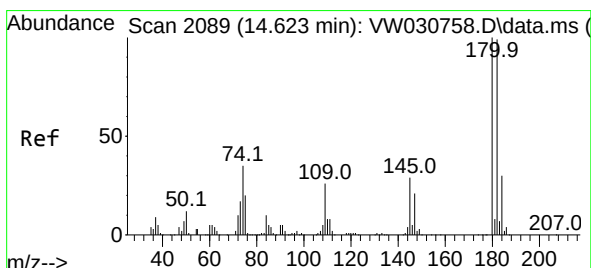
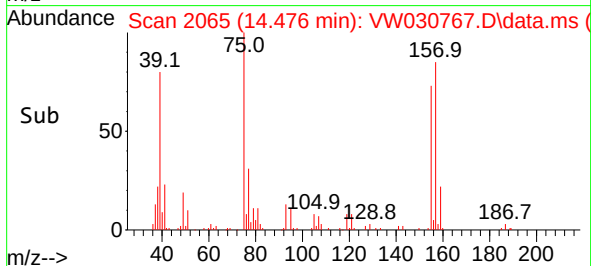
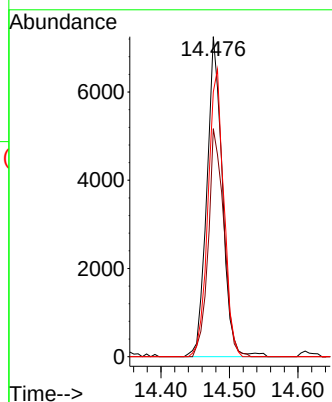
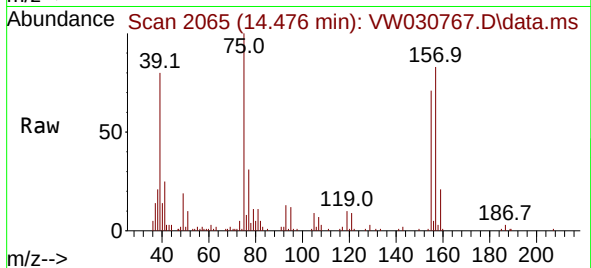




#68
1,2-Dibromo-3-chloropropane
Concen: 26.697 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

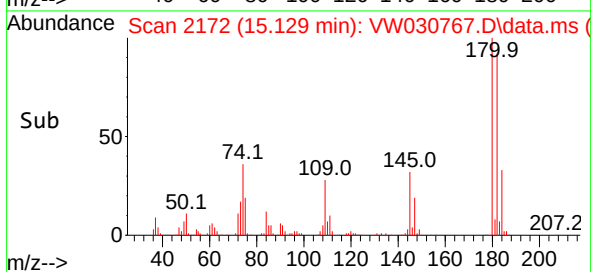
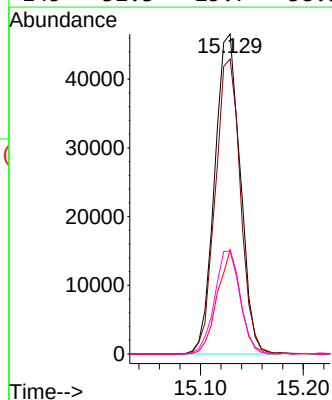
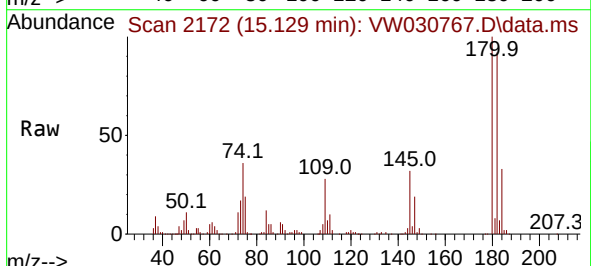
Instrument :
MSVOA_W
ClientSampleId :

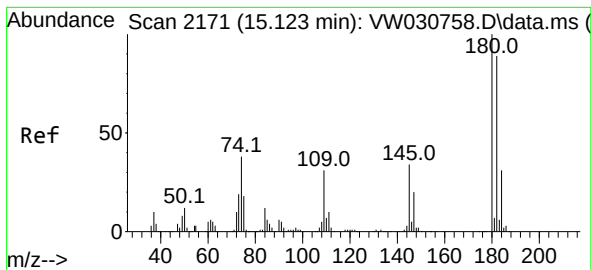
Tgt Ion: 75 Resp: 11476
Ion Ratio Lower Upper
75 100
155 71.2 57.9 86.9
157 82.8 69.0 103.6



#69
1,3,5-Trichlorobenzene
Concen: 18.239 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.506 min
Lab File: VW030767.D
Acq: 25 Oct 2024 15:18

Tgt Ion:180 Resp: 80322
Ion Ratio Lower Upper
180 100
182 90.7 79.9 119.9
184 29.4 25.2 37.8
145 32.3 25.7 38.5





#70

1,2,4-trichlorobenzene

Concen: 22.656 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

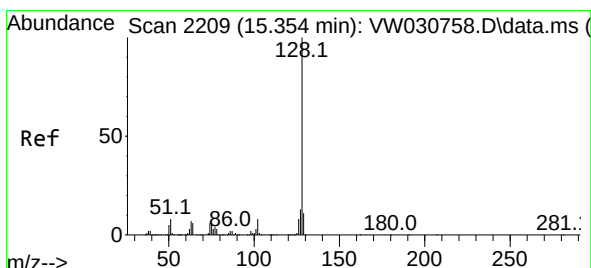
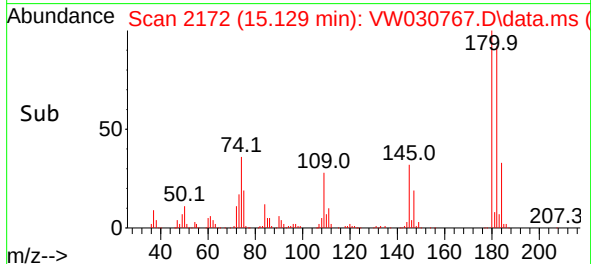
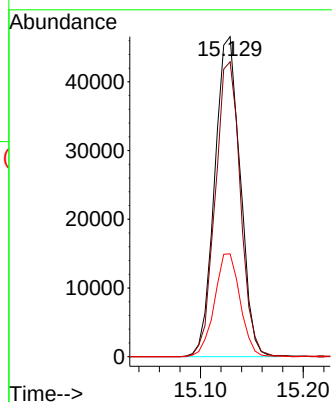
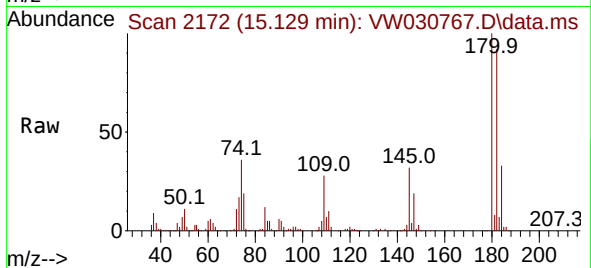
Tgt Ion:180 Resp: 80322

Ion Ratio Lower Upper

180 100

182 90.7 75.2 112.8

145 32.3 25.4 38.2



#71

Naphthalene

Concen: 93.405 ug/L

RT: 15.354 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VW030767.D

Acq: 25 Oct 2024 15:18

Tgt Ion:128 Resp: 572121

Ion Ratio Lower Upper

128 100

127 12.8 10.9 16.3

129 10.5 8.8 13.2

