

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102524\
 Data File : VW030763.D
 Acq On : 25 Oct 2024 13:18
 Operator : SY/MD
 Sample : P4492-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 23:21:30 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	257005	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	237990	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	120380	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	110147	27.266	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.080%	
7) Chloroethane-d5	2.899	69	94798	31.001	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 124.000%	
11) 1,1-Dichloroethene-d2	4.027	65	45761	27.235	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 108.960%	
21) 2-Butanone-d5	7.081	46	43686	60.091	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 120.180%	
24) Chloroform-d	7.648	84	224515	30.547	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 122.200%	
26) 1,2-Dichloroethane-d4	8.307	65	116349	30.443	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 121.760%	
32) Benzene-d6	8.276	84	409239	29.627	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 118.520%	
36) 1,2-Dichloropropane-d6	9.270	67	120381	29.693	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 118.760%	
41) Toluene-d8	10.319	98	391532	31.050	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 124.200%	
43) trans-1,3-Dichloroprop...	10.575	79	52268	30.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 123.160%	
47) 2-Hexanone-d5	10.922	63	34806	66.655	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 133.320%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	91977	30.892	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 123.560%#	
66) 1,2-Dichlorobenzene-d4	13.848	152	117919	28.950	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 115.800%	
Target Compounds						
					Qvalue	
13) Acetone	4.131	43	30961	29.089	ug/L	97
16) Methylene chloride	4.917	84	174604	44.939	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	62458	16.787	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	124490	23.907	ug/L	100
19) 1,1-Dichloroethane	6.216	63	348672	50.421	ug/L	99
22) 2-Butanone	7.173	43	114349	99.669	ug/L	95
25) Chloroform	7.673	83	373950	50.603	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	2893	0.458	ug/L	97
31) Carbon tetrachloride	8.069	117	50549	8.958	ug/L	95
33) Benzene	8.325	78	571144	36.878	ug/L	100
34) Trichloroethene	9.093	95	220033	51.068	ug/L	98
37) 1,2-Dichloropropane	9.367	63	79993	20.681	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	209044	35.829	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	158594	85.347	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	197787	40.342	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	77153	27.599	ug/L	98
48) 2-Hexanone	10.922	43	4658	3.065	ug/L #	65
50) 1,2-Dibromoethane	11.233	107	66929	25.658	ug/L	96
53) m,p-Xylene	11.830	106	185599	26.277	ug/L	93

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

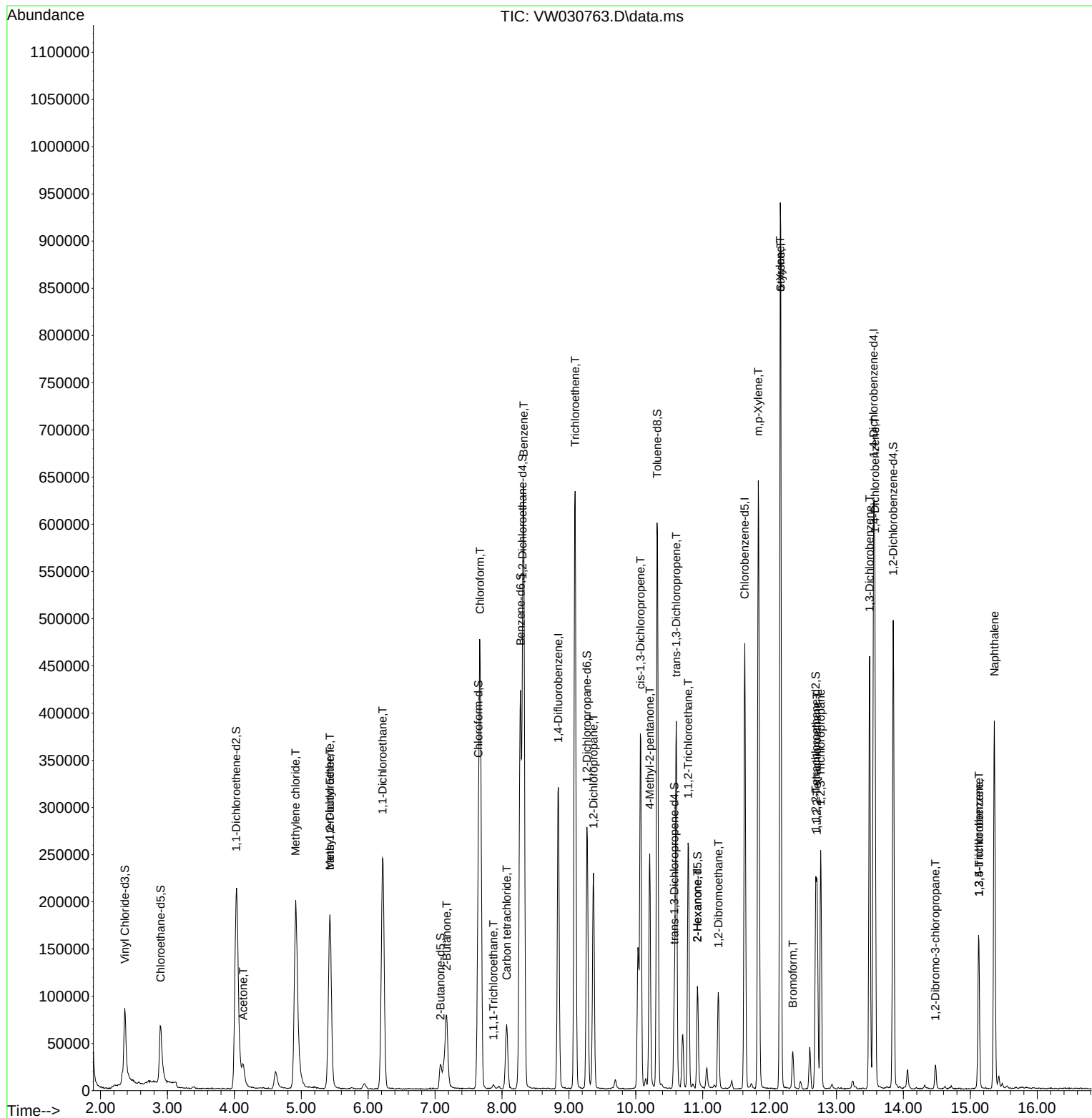
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.160	106	235939	36.131	ug/L	94
55) Styrene	12.166	104	14188	1.271	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	87866	27.872	ug/L	94
59) Bromoform	12.349	173	15875	9.386	ug/L	95
61) 1,2,3-Trichloropropane	12.763	75	97310	41.542	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	169178	20.849	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	171433	20.461	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	6268	12.001	ug/L	90
69) 1,3,5-Trichlorobenzene	15.129	180	47959	8.963	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	47959	11.133	ug/L	100
71) Naphthalene	15.360	128	308850	41.499	ug/L	99

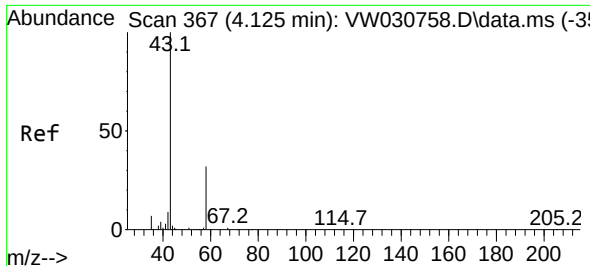
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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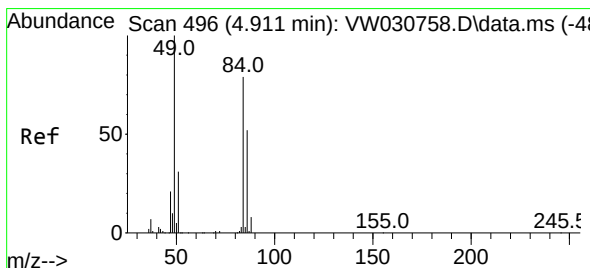
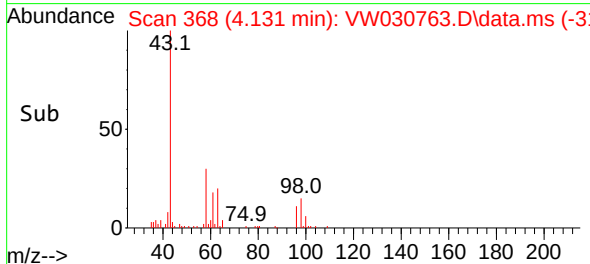
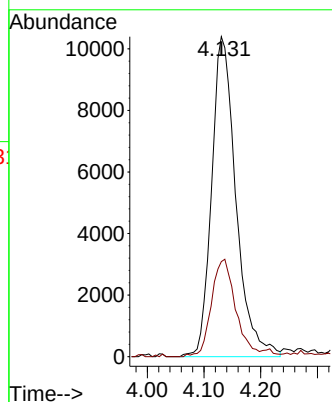
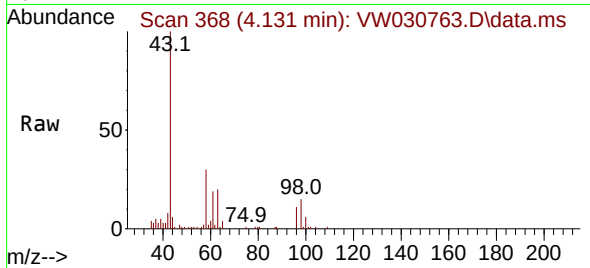




#13
Acetone
Concen: 29.089 ug/L
RT: 4.131 min Scan# 309
Delta R.T. 0.006 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

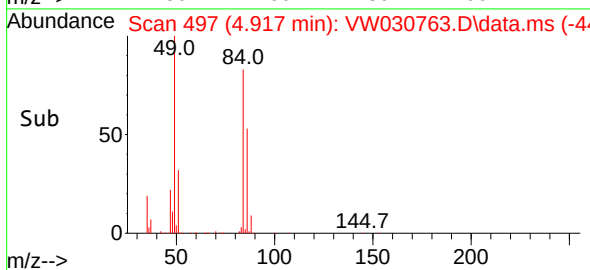
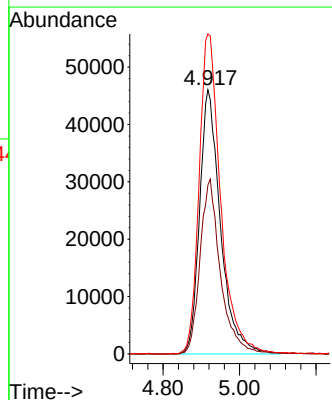
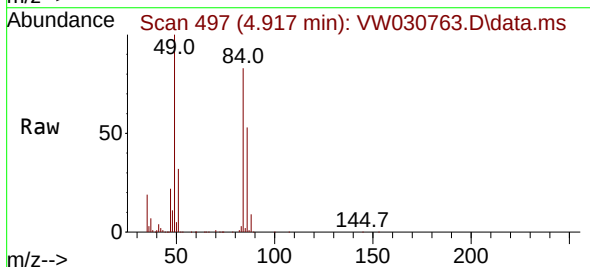
Instrument :
MSVOA_W
ClientSampleId :

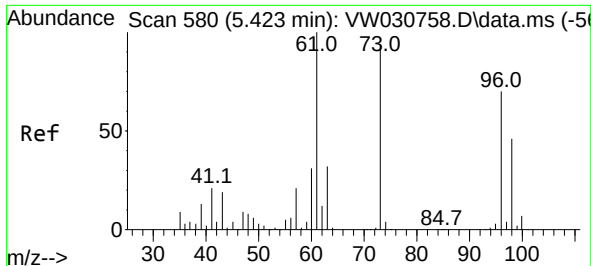
Tgt Ion: 43 Resp: 30961
Ion Ratio Lower Upper
43 100
58 30.2 0.0 57.6



#16
Methylene chloride
Concen: 44.939 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Tgt Ion: 84 Resp: 174604
Ion Ratio Lower Upper
84 100
86 63.9 43.8 81.3
49 121.1 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 16.787 ug/L

RT: 5.429 min Scan# 580

Delta R.T. 0.006 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

ClientSampleId :

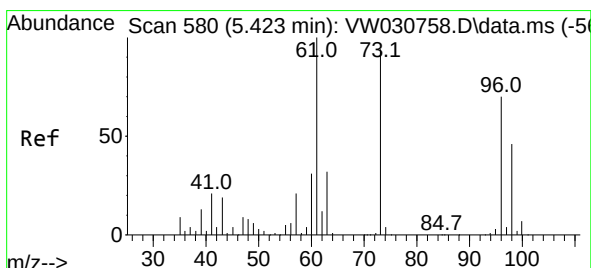
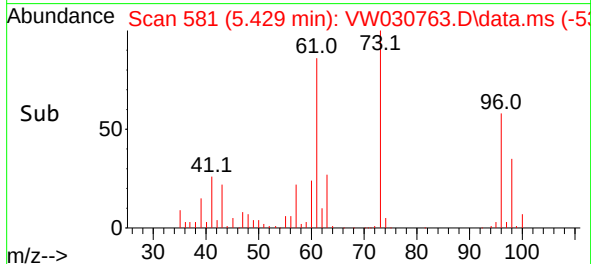
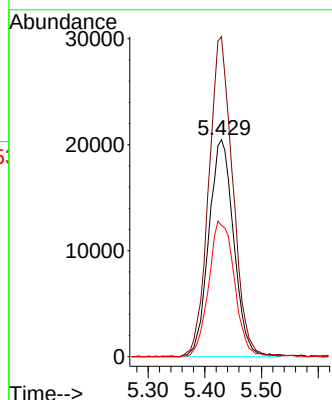
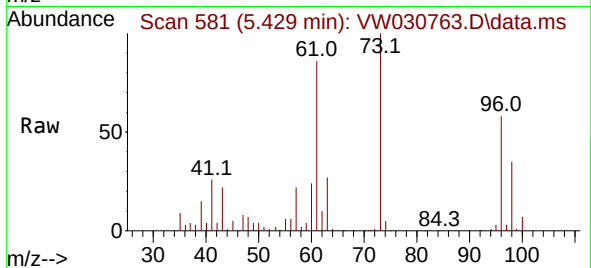
Tgt Ion: 96 Resp: 62458

Ion Ratio Lower Upper

96 100

61 147.5 96.9 179.9

98 60.5 42.2 78.4



#18

Methyl tert-butyl Ether

Concen: 23.907 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

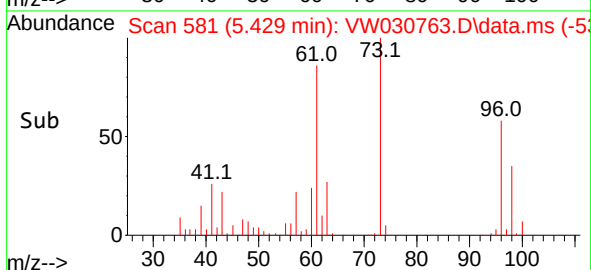
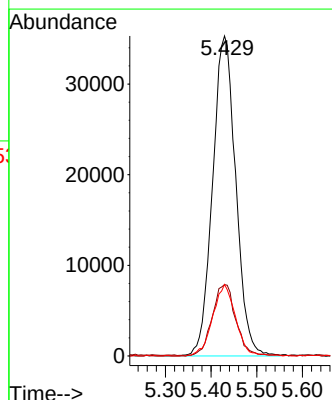
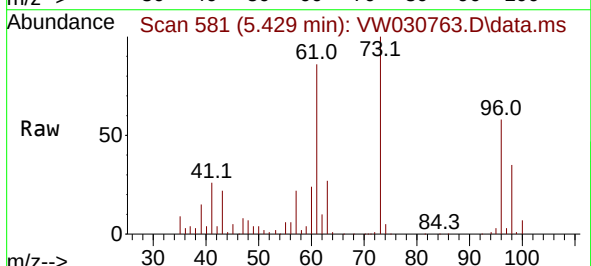
Tgt Ion: 73 Resp: 124490

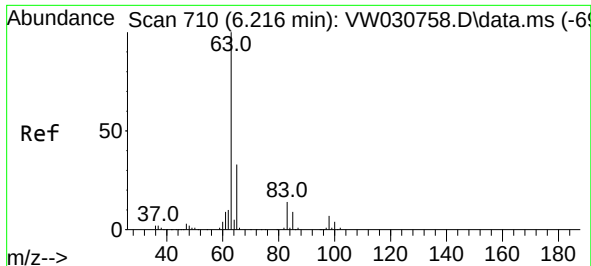
Ion Ratio Lower Upper

73 100

43 22.7 18.1 27.1

57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 50.421 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

ClientSampleId :

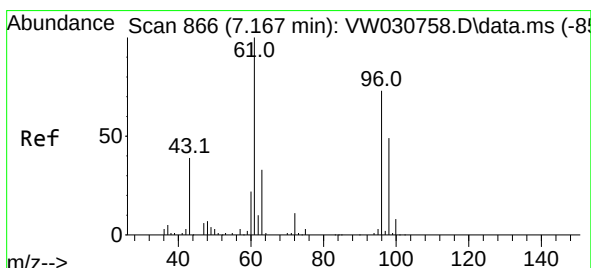
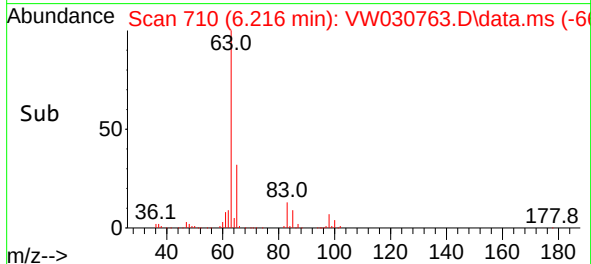
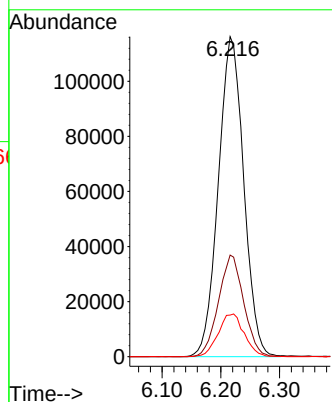
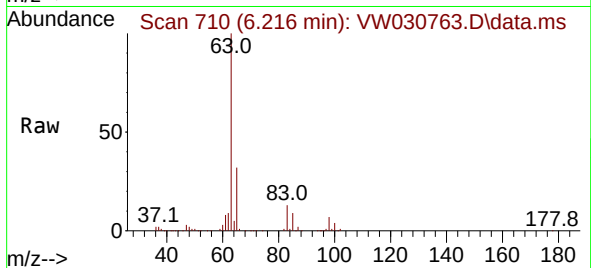
Tgt Ion: 63 Resp: 348672

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.9

83 13.0 9.8 18.2



#22

2-Butanone

Concen: 99.669 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW030763.D

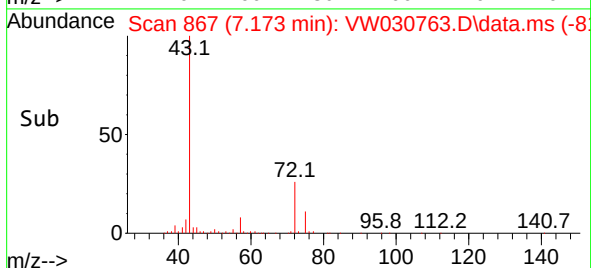
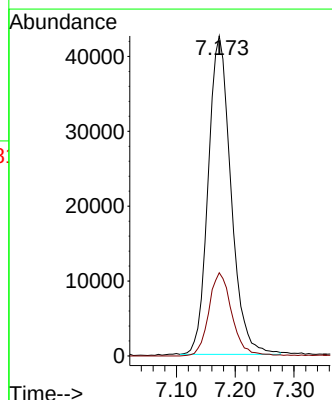
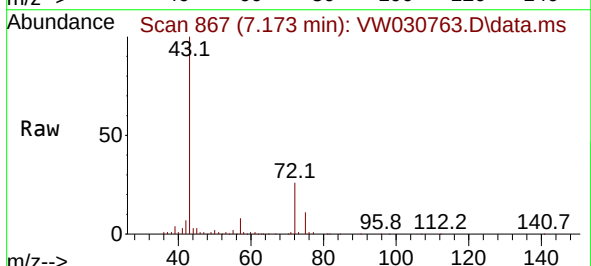
Acq: 25 Oct 2024 13:18

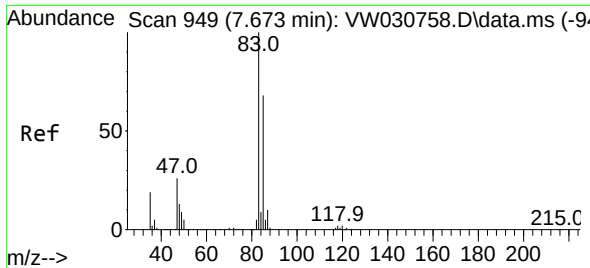
Tgt Ion: 43 Resp: 114349

Ion Ratio Lower Upper

43 100

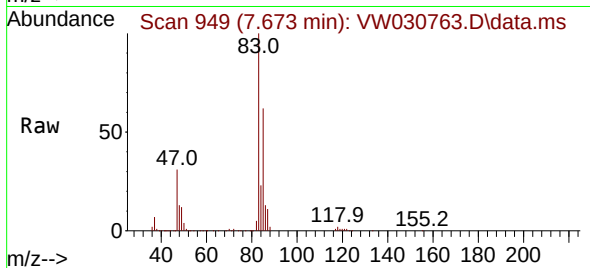
72 26.3 14.4 43.0



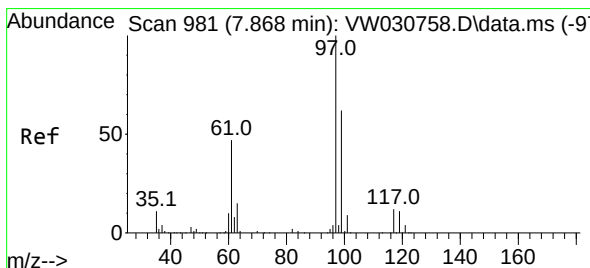
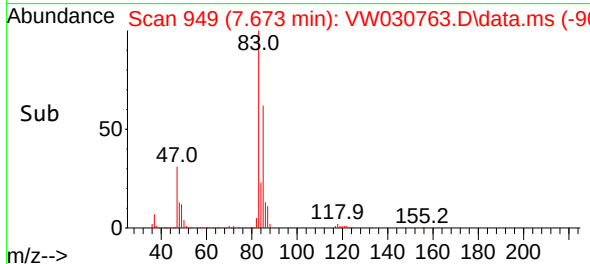
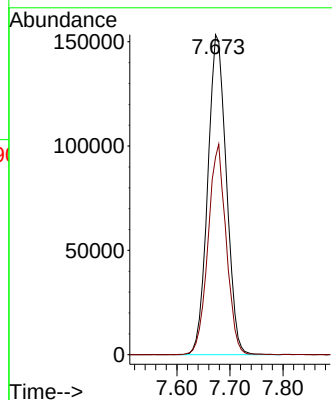


#25
Chloroform
Concen: 50.603 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Instrument :
MSVOA_W
ClientSampleId :

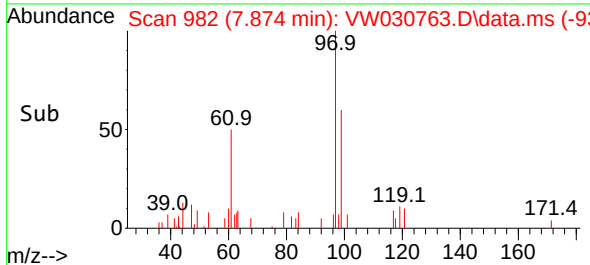
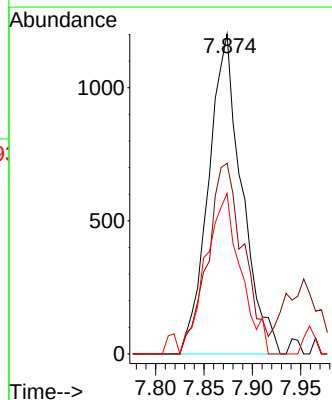
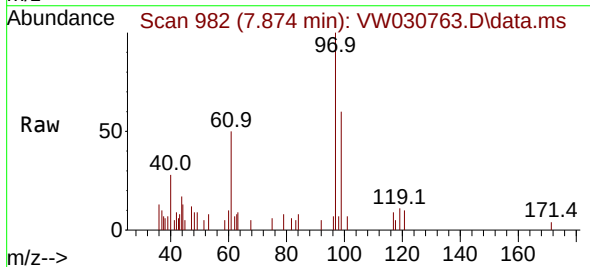


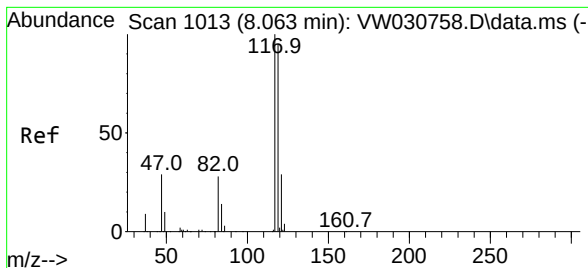
Tgt Ion: 83 Resp: 373950
Ion Ratio Lower Upper
83 100
85 61.7 45.1 83.7



#30
1,1,1-Trichloroethane
Concen: 0.458 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Tgt Ion: 97 Resp: 2893
Ion Ratio Lower Upper
97 100
99 64.1 52.3 78.5
61 50.7 38.5 57.7





#31

Carbon tetrachloride

Concen: 8.958 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

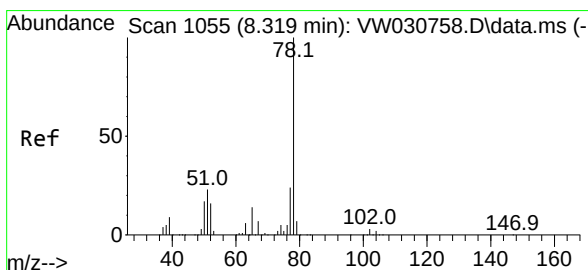
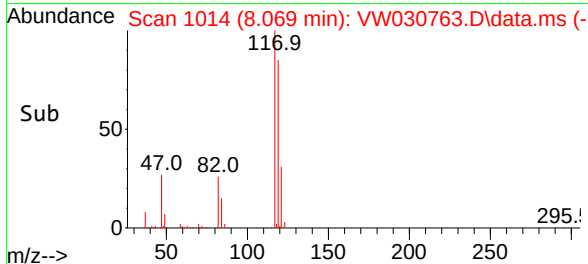
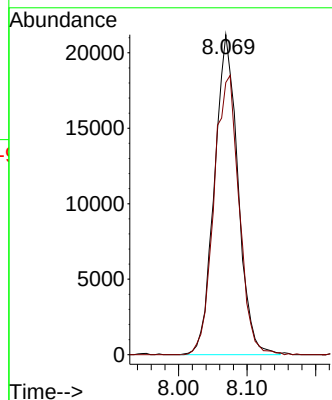
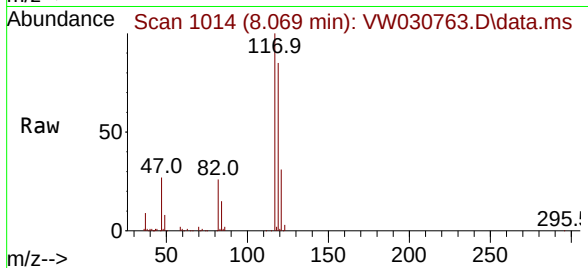
ClientSampleId :

Tgt Ion:117 Resp: 50549

Ion Ratio Lower Upper

117 100

119 92.5 77.8 116.8



#33

Benzene

Concen: 36.878 ug/L

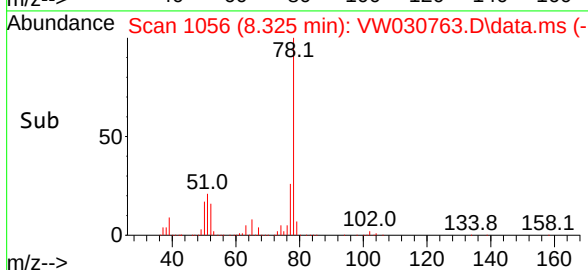
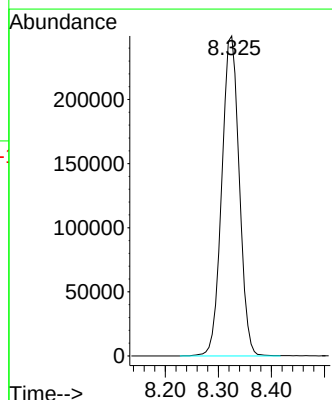
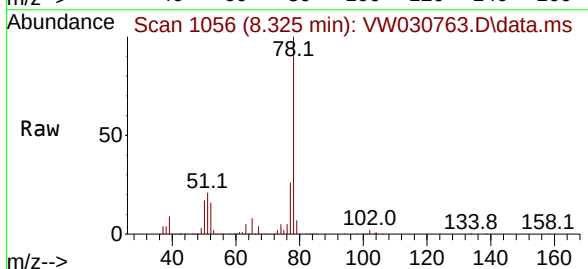
RT: 8.325 min Scan# 1056

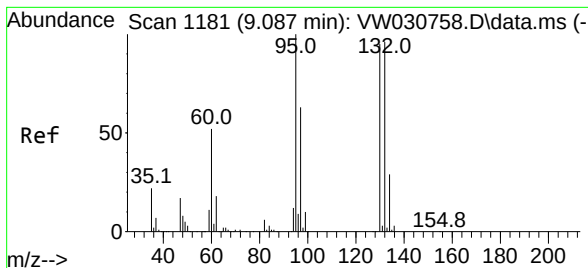
Delta R.T. 0.006 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Tgt Ion: 78 Resp: 571144





#34

Trichloroethene

Concen: 51.068 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

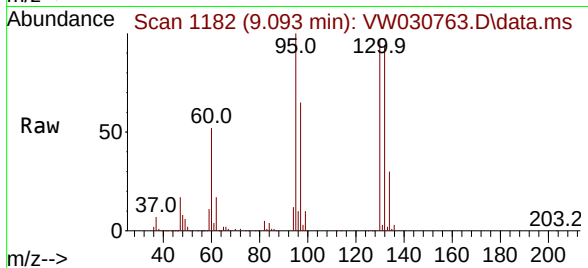
Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 220033

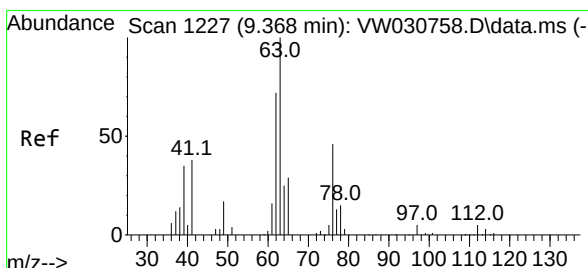
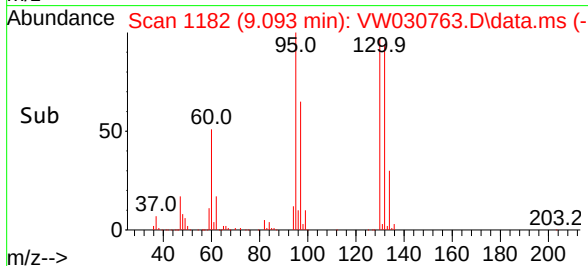
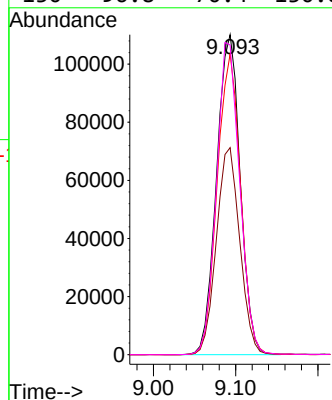
Ion Ratio Lower Upper

95 100

97 64.7 45.9 85.3

132 93.9 66.4 123.2

130 96.8 70.4 130.8



#37

1,2-Dichloropropane

Concen: 20.681 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030763.D

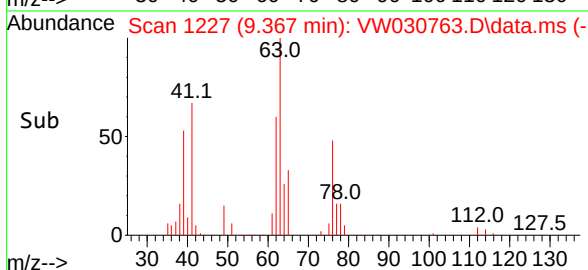
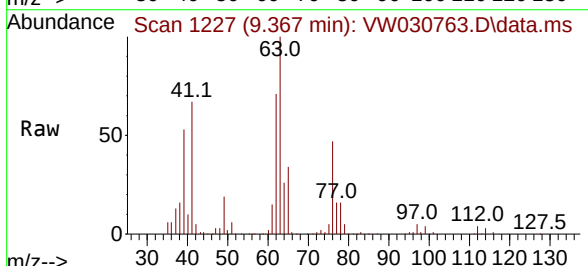
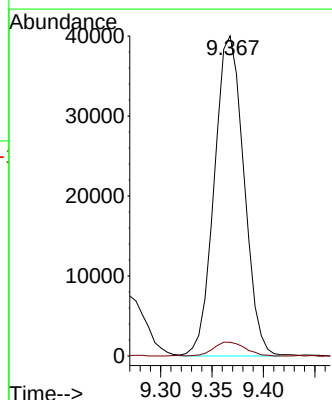
Acq: 25 Oct 2024 13:18

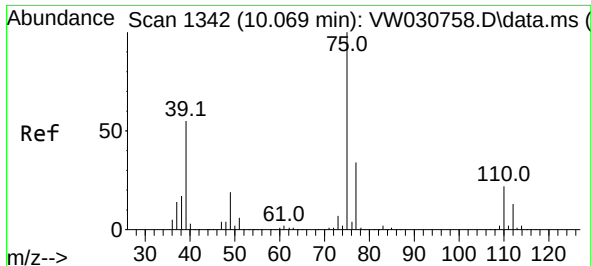
Tgt Ion: 63 Resp: 79993

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 35.829 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

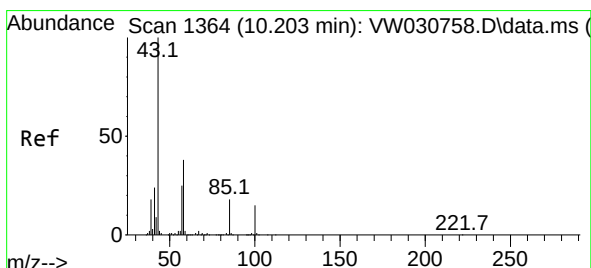
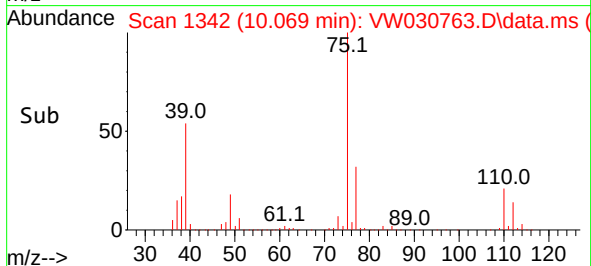
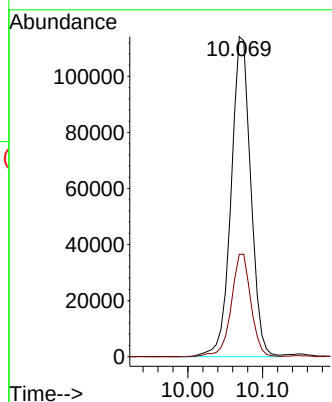
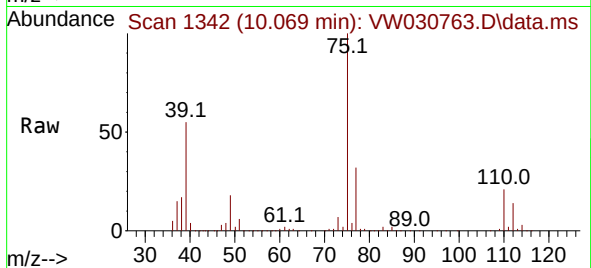
ClientSampleId :

Tgt Ion: 75 Resp: 209044

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 85.347 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

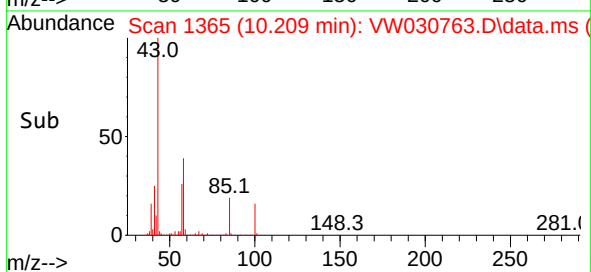
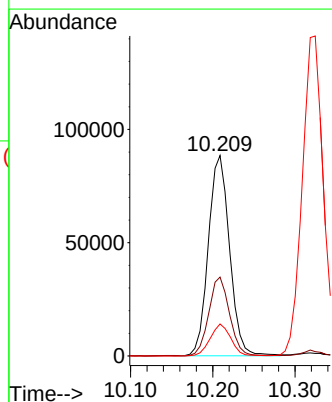
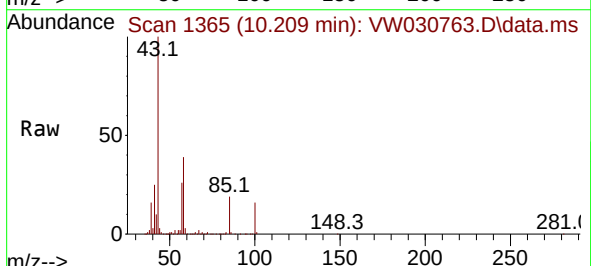
Tgt Ion: 43 Resp: 158594

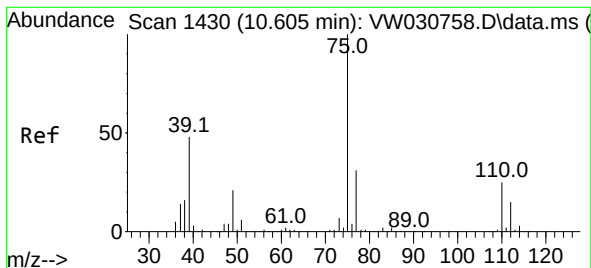
Ion Ratio Lower Upper

43 100

58 38.8 31.4 47.2

100 15.5 13.1 19.7

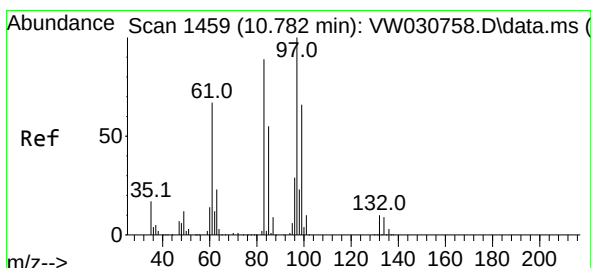
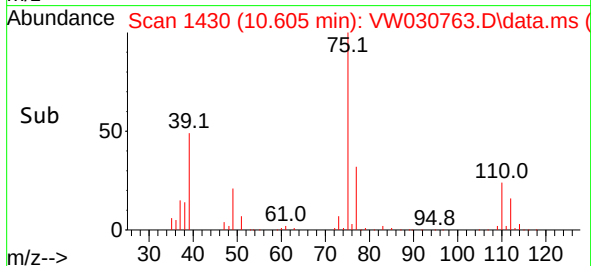
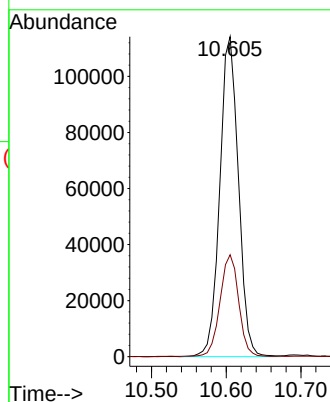
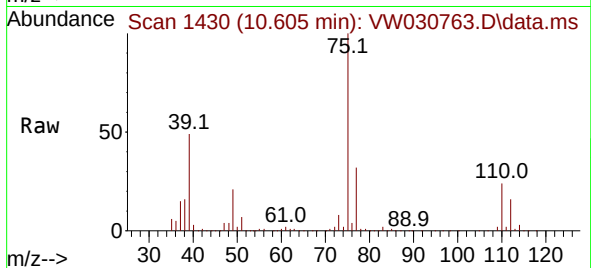




#44
trans-1,3-Dichloropropene
Concen: 40.342 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

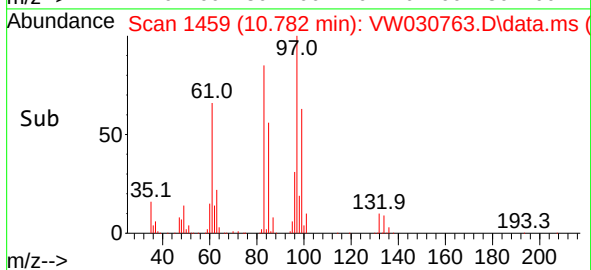
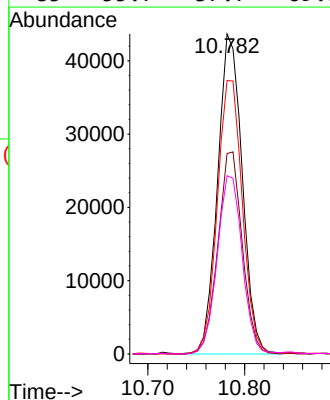
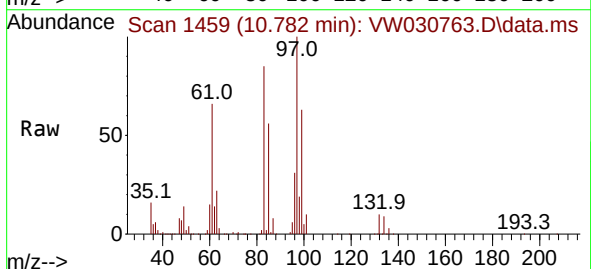
Instrument :
MSVOA_W
ClientSampleId :

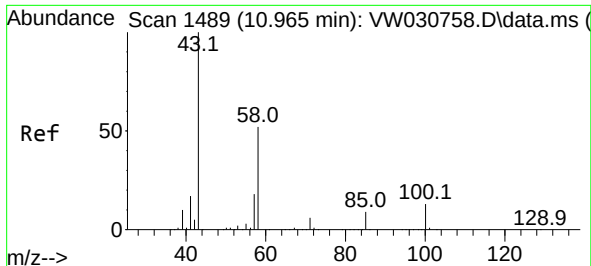
Tgt Ion: 75 Resp: 197787
Ion Ratio Lower Upper
75 100
77 31.9 21.6 40.2



#45
1,1,2-Trichloroethane
Concen: 27.599 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

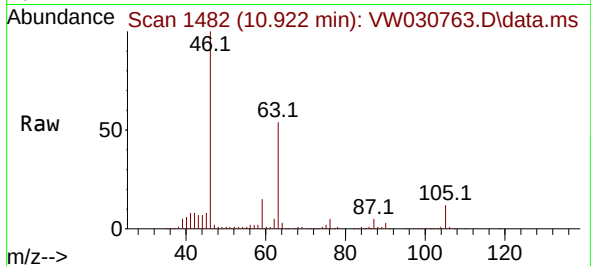
Tgt Ion: 97 Resp: 77153
Ion Ratio Lower Upper
97 100
99 62.7 41.2 76.6
83 85.4 59.6 110.6
85 55.7 37.7 69.9



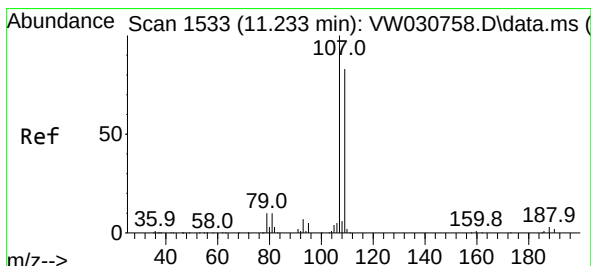
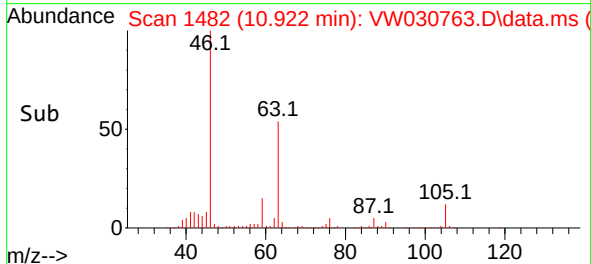
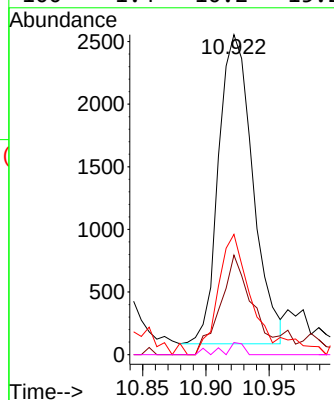


#48
2-Hexanone
Concen: 3.065 ug/L
RT: 10.922 min Scan# 1482
Delta R.T. -0.043 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Instrument :
MSVOA_W
ClientSampleId :

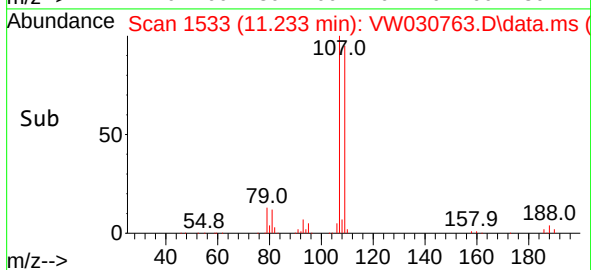
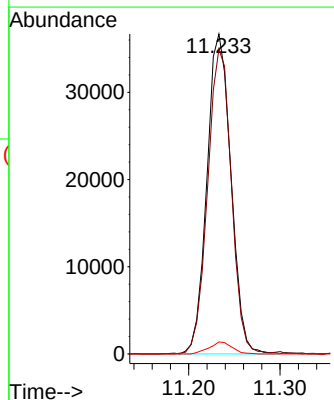
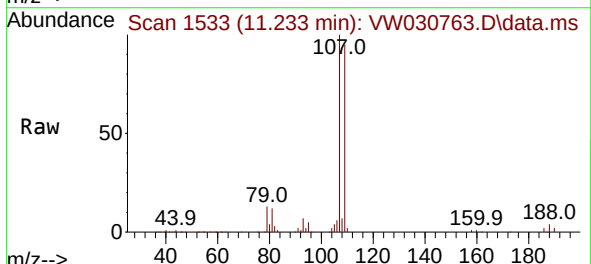


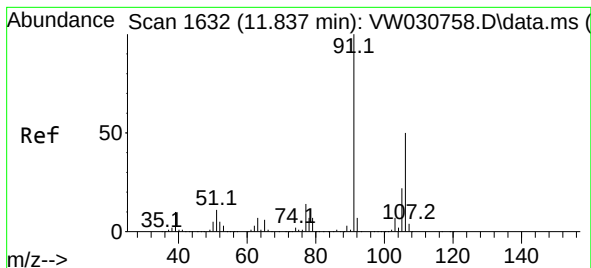
Tgt Ion: 43	Resp: 4658
Ion Ratio	Lower Upper
43 100	
58 29.4	44.6 67.0#
57 35.4	15.8 23.8#
100 1.4	10.2 15.2#



#50
1,2-Dibromoethane
Concen: 25.658 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Tgt Ion:107	Resp:	66929	
Ion	Ratio	Lower	Upper
107	100		
109	95.3	63.8	118.6
188	3.7	2.6	3.8

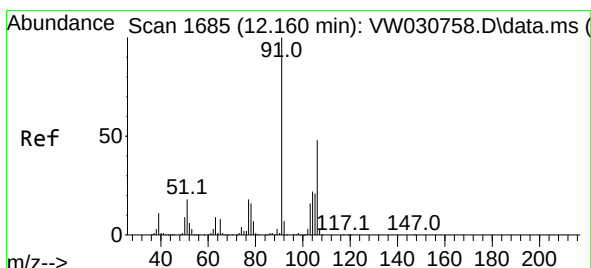
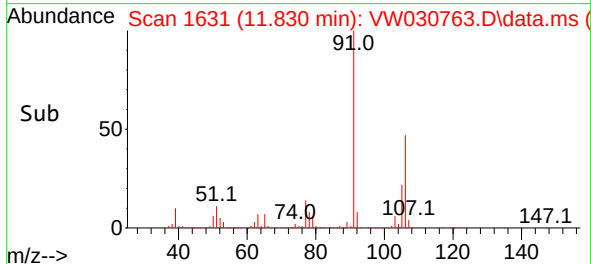
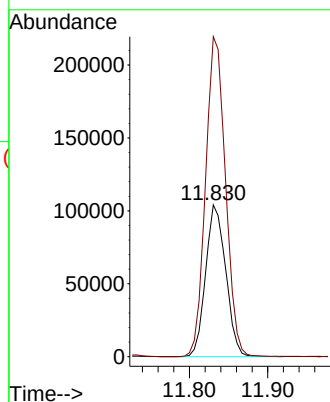
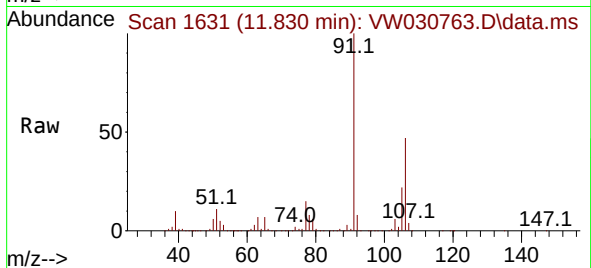




#53
m,p-Xylene
Concen: 26.277 ug/L
RT: 11.830 min Scan# 1632
Delta R.T. -0.006 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

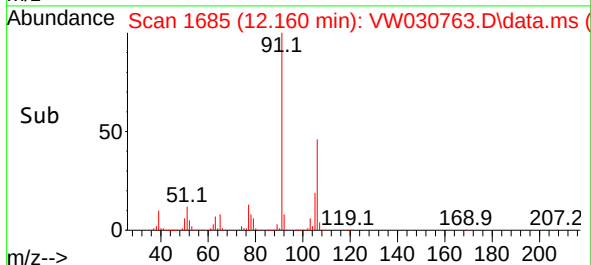
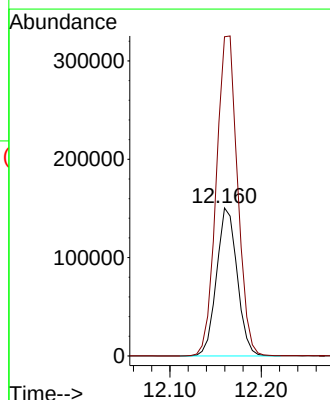
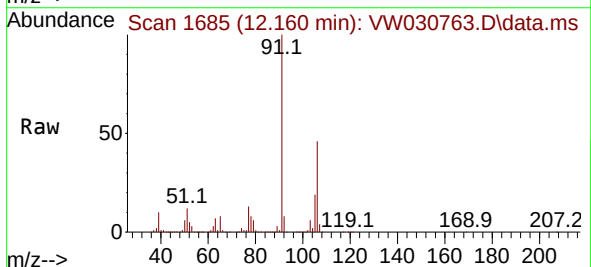
Instrument :
MSVOA_W
ClientSampleId :

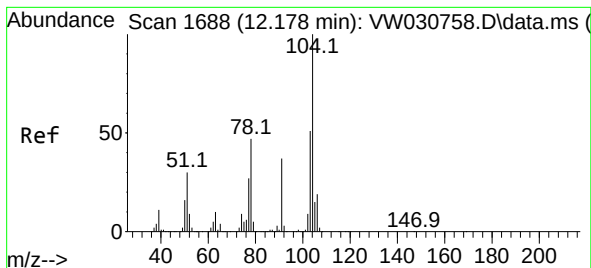
Tgt Ion:106 Resp: 185599
Ion Ratio Lower Upper
106 100
91 210.8 140.6 261.2



#54
o-Xylene
Concen: 36.131 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Tgt Ion:106 Resp: 235939
Ion Ratio Lower Upper
106 100
91 215.7 144.5 268.4





#55

Styrene

Concen: 1.271 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

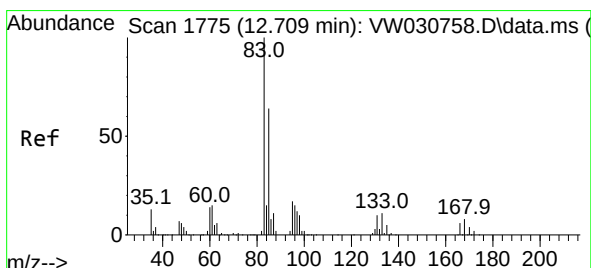
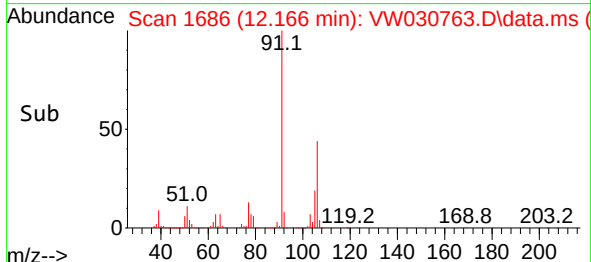
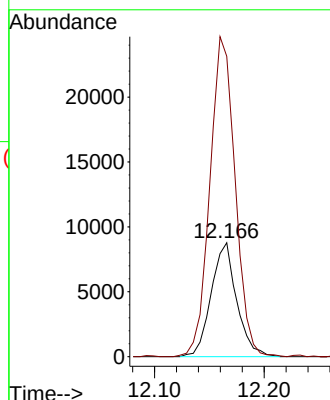
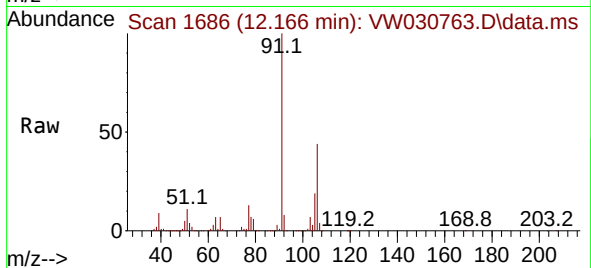
ClientSampleId :

Tgt Ion:104 Resp: 14188

Ion Ratio Lower Upper

104 100

78 263.6 34.3 63.7#



#57

1,1,2,2-Tetrachloroethane

Concen: 27.872 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

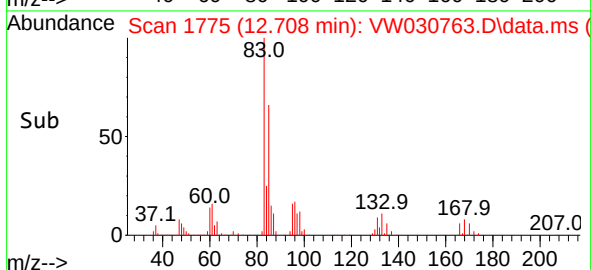
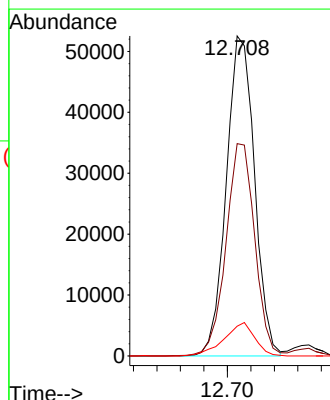
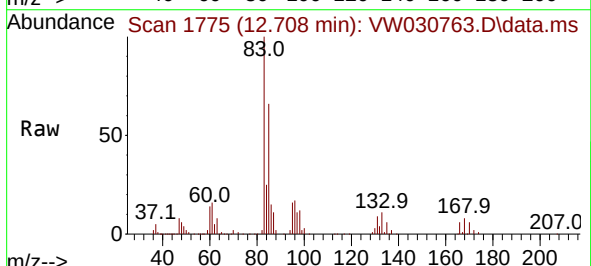
Tgt Ion: 83 Resp: 87866

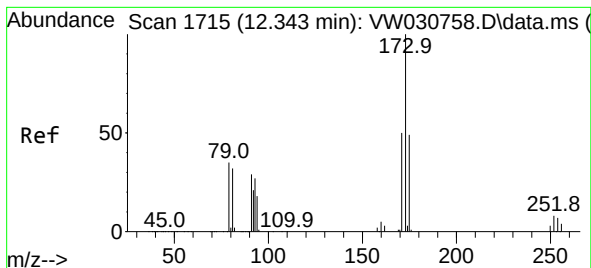
Ion Ratio Lower Upper

83 100

85 66.3 42.6 79.2

131 9.3 7.4 11.0





#59

Bromoform

Concen: 9.386 ug/L

RT: 12.349 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW030763.D

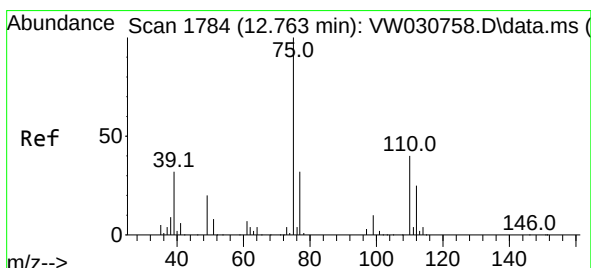
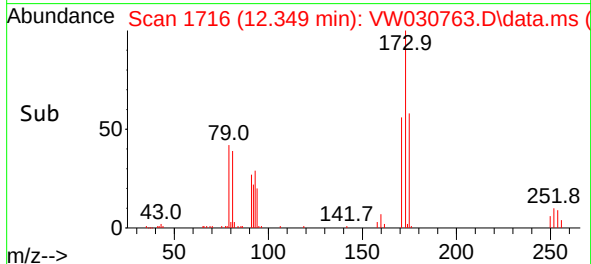
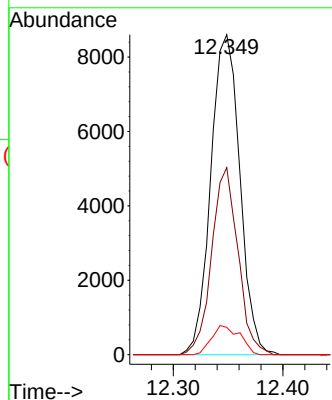
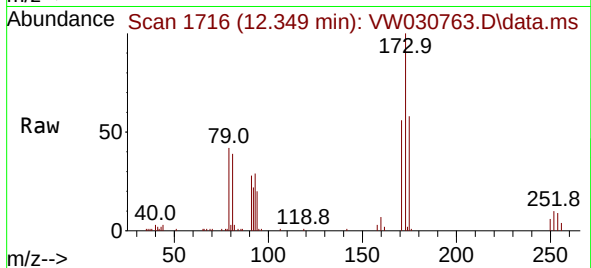
Acq: 25 Oct 2024 13:18

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:173	Resp:	15875
Ion Ratio	Lower	Upper
173	100	
175	52.9	39.0 58.4
254	8.8	7.7 11.5



#61

1,2,3-Trichloropropane

Concen: 41.542 ug/L

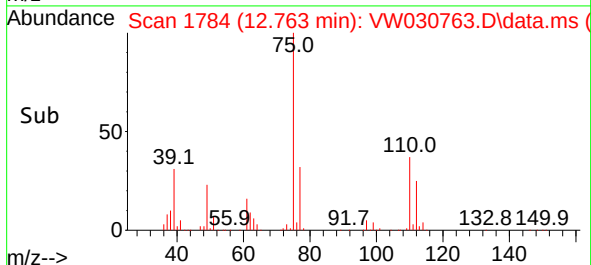
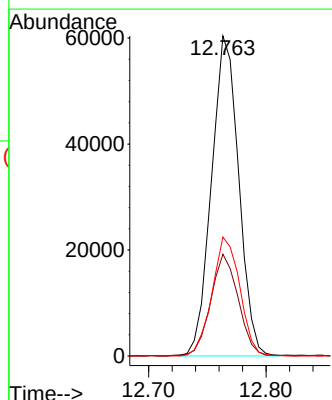
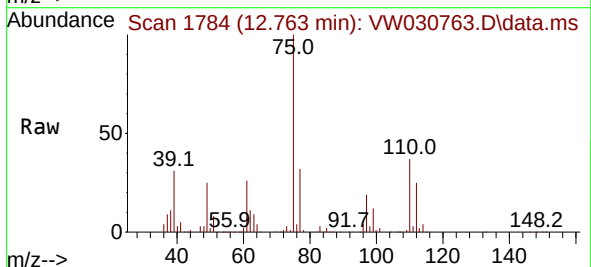
RT: 12.763 min Scan# 1784

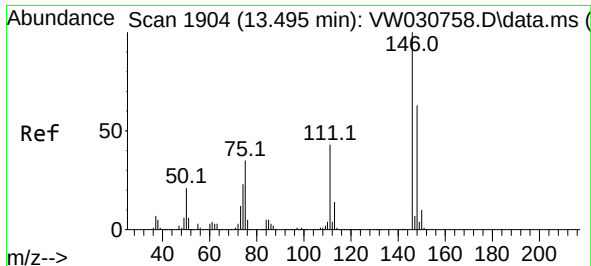
Delta R.T. -0.000 min

Lab File: VW030763.D

Acq: 25 Oct 2024 13:18

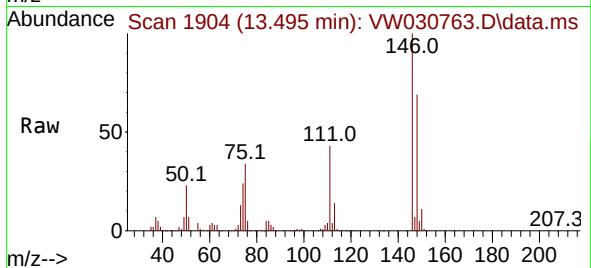
Tgt Ion: 75	Resp:	97310
Ion Ratio	Lower	Upper
75	100	
77	32.1	25.7 38.5
110	37.9	32.3 48.5



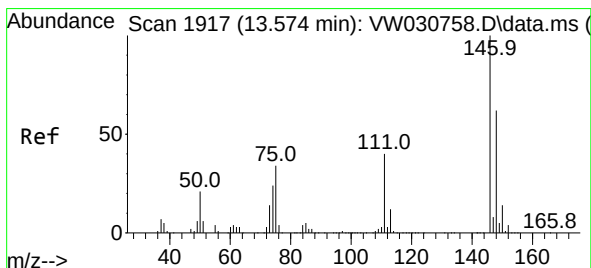
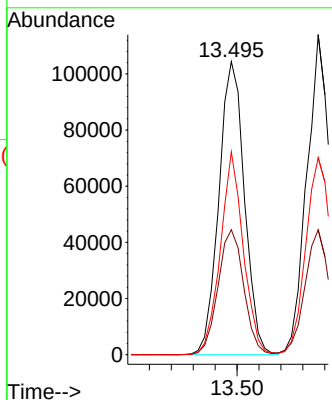
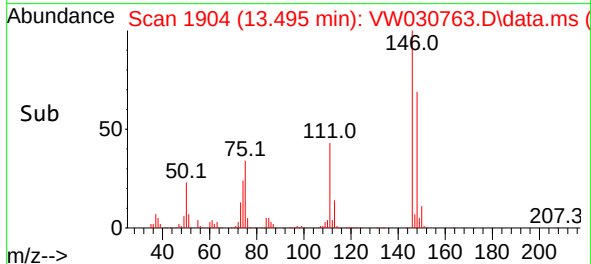


#64
1,3-Dichlorobenzene
Concen: 20.849 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Instrument :
MSVOA_W
ClientSampleId :

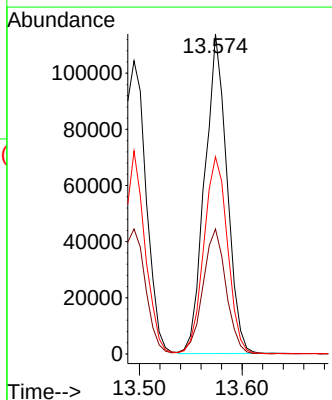
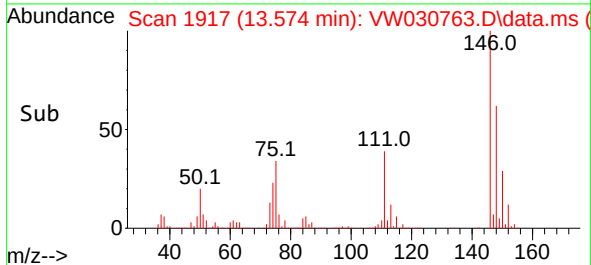
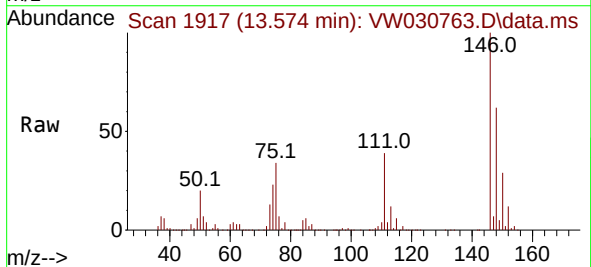


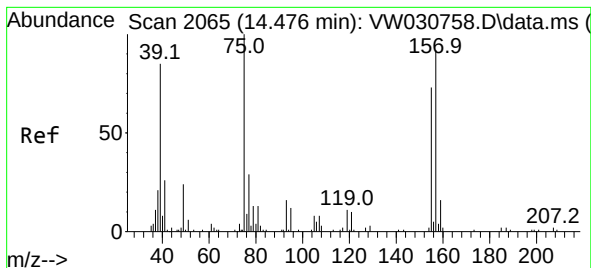
Tgt Ion:146 Resp: 169178
Ion Ratio Lower Upper
146 100
111 42.6 31.2 58.0
148 69.2 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 20.461 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030763.D
Acq: 25 Oct 2024 13:18

Tgt Ion:146 Resp: 171433
Ion Ratio Lower Upper
146 100
111 39.0 26.8 49.8
148 61.6 41.0 76.2

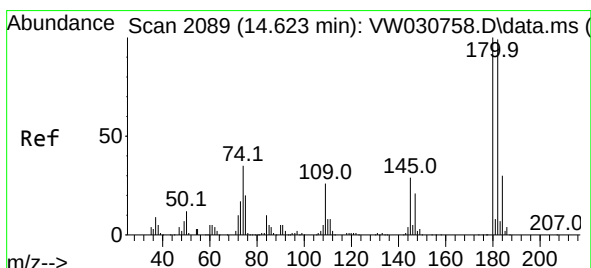
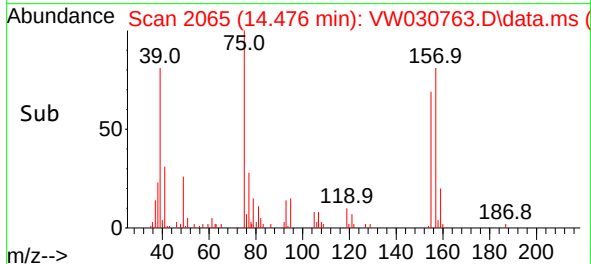
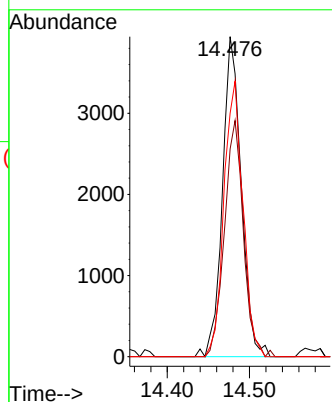
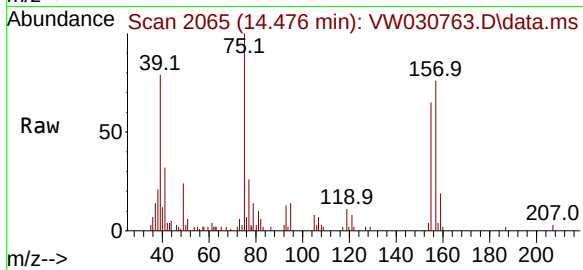




#68
 1,2-Dibromo-3-chloropropane
 Concen: 12.001 ug/L
 RT: 14.476 min Scan# 2065
 Delta R.T. -0.000 min
 Lab File: VW030763.D
 Acq: 25 Oct 2024 13:18

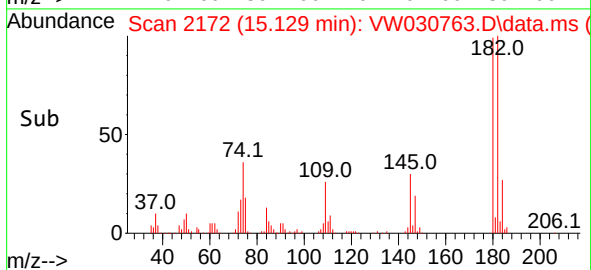
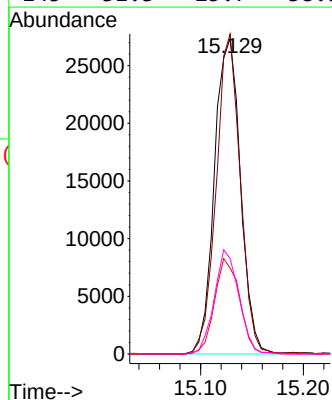
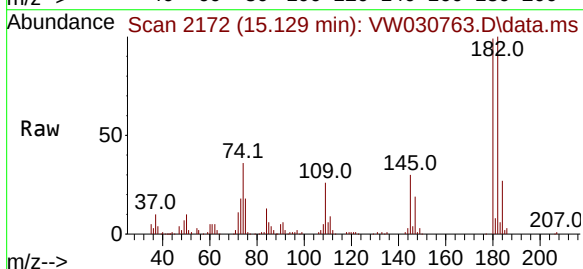
Instrument :
 MSVOA_W
 ClientSampleId :

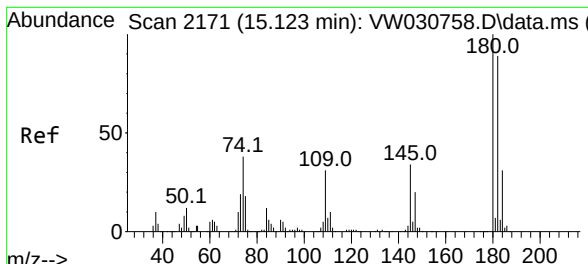
Tgt Ion: 75 Resp: 6268
 Ion Ratio Lower Upper
 75 100
 155 64.9 57.9 86.9
 157 76.0 69.0 103.6



#69
 1,3,5-Trichlorobenzene
 Concen: 8.963 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.506 min
 Lab File: VW030763.D
 Acq: 25 Oct 2024 13:18

Tgt Ion:180 Resp: 47959
 Ion Ratio Lower Upper
 180 100
 182 93.7 79.9 119.9
 184 29.2 25.2 37.8
 145 31.3 25.7 38.5

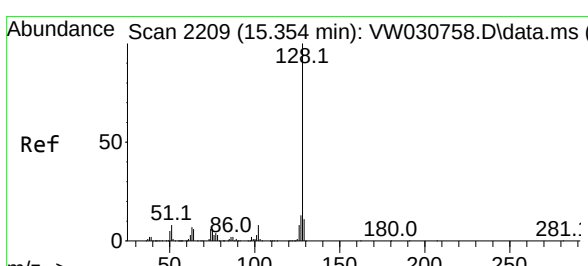
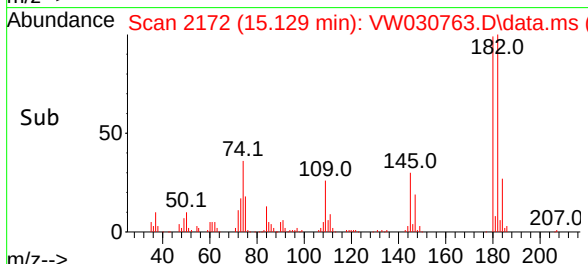
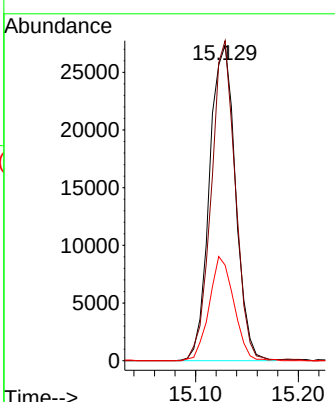
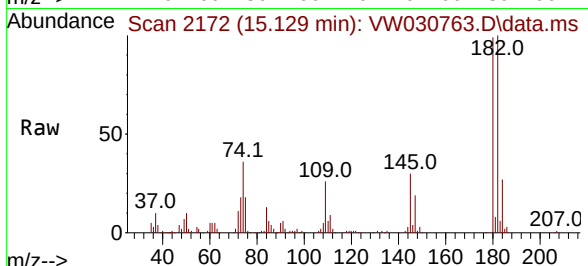




#70
 1,2,4-trichlorobenzene
 Concen: 11.133 ug/L
 RT: 15.129 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VW030763.D
 Acq: 25 Oct 2024 13:18

Instrument : MSVOA_W
 ClientSampleId :

Tgt Ion:	180	Resp:	47959
Ion Ratio	Lower	Upper	
180	100		
182	93.7	75.2	112.8
145	31.3	25.4	38.2



#71
 Naphthalene
 Concen: 41.499 ug/L
 RT: 15.360 min Scan# 2210
 Delta R.T. 0.006 min
 Lab File: VW030763.D
 Acq: 25 Oct 2024 13:18

Tgt Ion:	128	Resp:	308850
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.9	16.3
129	10.7	8.8	13.2

