

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100224\
 Data File : VW030330.D
 Acq On : 02 Oct 2024 16:29
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 03 04:12:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 03 04:10:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	150947	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	144549	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	70295	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	37423	31.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 126.920%	
7) Chloroethane-d5	2.899	69	28568	33.287	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 133.160%	
11) 1,1-Dichloroethene-d2	4.027	65	22466	26.093	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 104.360%	
21) 2-Butanone-d5	7.081	46	29176	61.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 123.020%	
24) Chloroform-d	7.654	84	117328	28.933	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 115.720%	
26) 1,2-Dichloroethane-d4	8.307	65	62272	29.420	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 117.680%	
32) Benzene-d6	8.276	84	209560	25.867	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.480%	
36) 1,2-Dichloropropane-d6	9.276	67	66603	27.334	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 109.320%	
41) Toluene-d8	10.325	98	190723	25.673	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 102.680%	
43) trans-1,3-Dichloroprop...	10.581	79	27386	27.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.080%	
47) 2-Hexanone-d5	10.922	63	23206	57.674	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 115.340%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	51353	28.204	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 112.800%	
66) 1,2-Dichlorobenzene-d4	13.848	152	63942	27.397	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 109.600%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	44234	25.223	ug/L	92
13) Acetone	4.124	43	20991	41.717	ug/L	99
16) Methylene chloride	4.929	84	105313	45.330	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	35635	17.504	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	74430	22.987	ug/L	97
19) 1,1-Dichloroethane	6.228	63	207571	53.540	ug/L	98
22) 2-Butanone	7.173	43	82780	128.690	ug/L	94
25) Chloroform	7.679	83	216319	53.802	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	1390	0.415	ug/L #	87
31) Carbon tetrachloride	8.069	117	28963	9.678	ug/L	97
33) Benzene	8.325	78	330916	37.586	ug/L	100
34) Trichloroethene	9.093	95	126893	54.184	ug/L	94
37) 1,2-Dichloropropane	9.367	63	49710	21.399	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	126424	35.494	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	106228	88.908	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	120691	40.893	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	45050	27.520	ug/L	97
50) 1,2-Dibromoethane	11.233	107	40624	26.226	ug/L	94
53) m,p-Xylene	11.836	106	110183	27.642	ug/L	100

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Quant Title : SFAM01.0
QLast Update : Thu Oct 03 04:10:12 2024
Response via : Initial Calibration

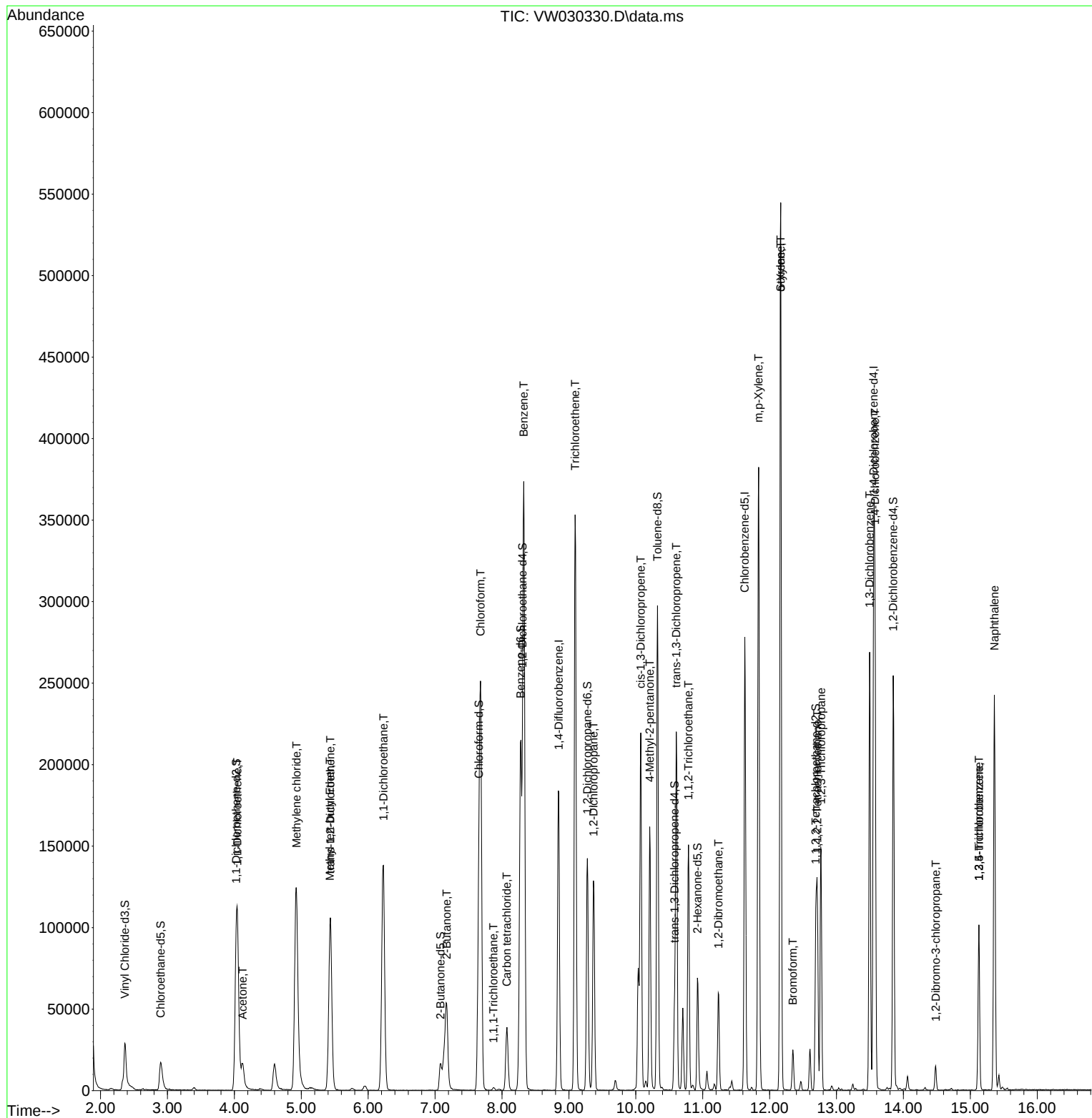
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.166	106	140152	36.942	ug/L	99
55) Styrene	12.166	104	7929	1.225	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.714	83	54426	28.388	ug/L	98
59) Bromoform	12.349	173	11085	10.885	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	63880	47.802	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	102348	22.954	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	102185	22.434	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	4028	13.155	ug/L	95
69) 1,3,5-Trichlorobenzene	15.129	180	29882	9.710	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	29882	11.728	ug/L	99
71) Naphthalene	15.360	128	194499	41.732	ug/L	99

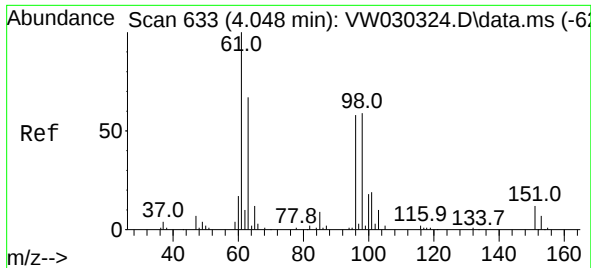
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 25.223 ug/L

RT: 4.045 min Scan# 3

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

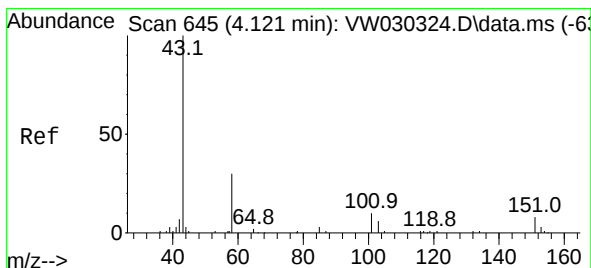
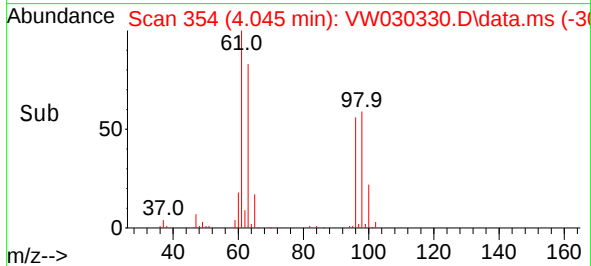
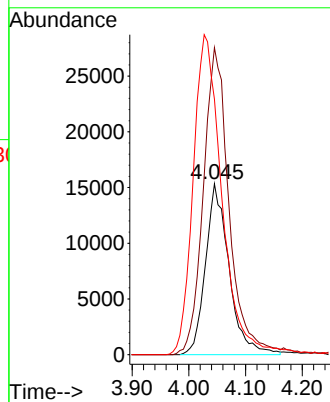
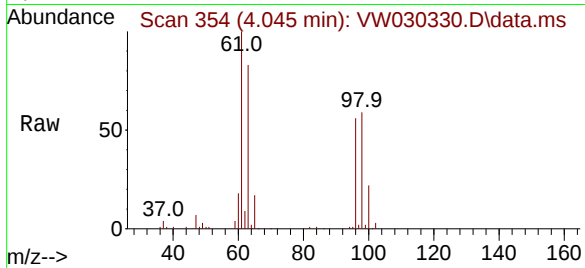
Tgt Ion: 96 Resp: 44234

Ion Ratio Lower Upper

96 100

61 179.7 120.1 223.1

63 149.5 94.8 176.2



#13

Acetone

Concen: 41.717 ug/L

RT: 4.124 min Scan# 367

Delta R.T. 0.003 min

Lab File: VW030330.D

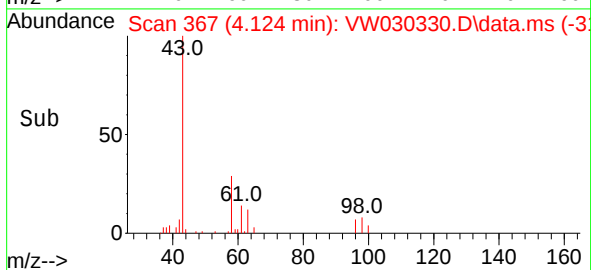
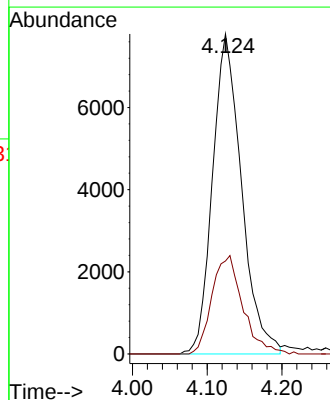
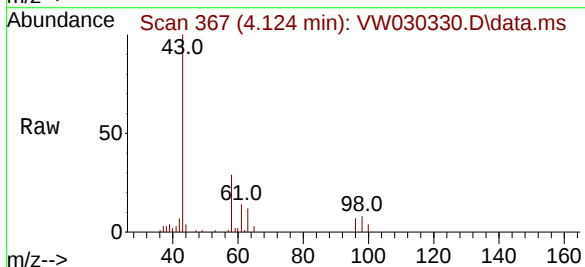
Acq: 02 Oct 2024 16:29

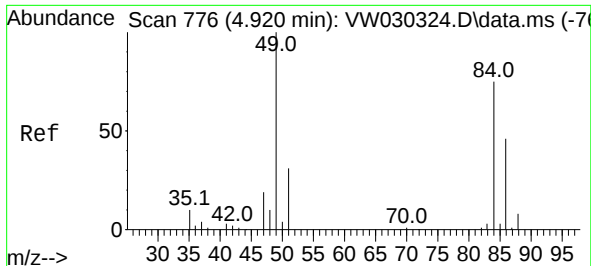
Tgt Ion: 43 Resp: 20991

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.0

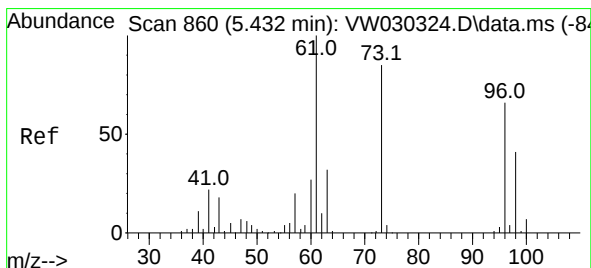
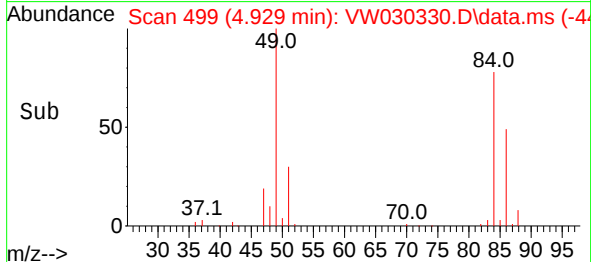
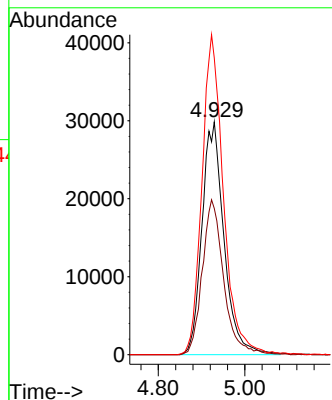
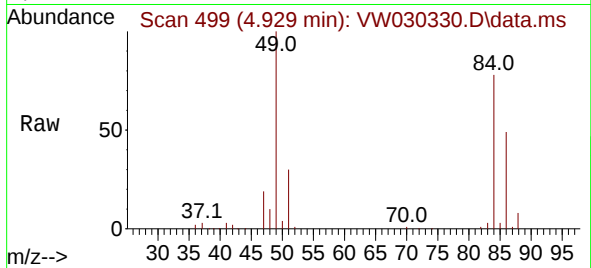




#16
Methylene chloride
Concen: 45.330 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.009 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

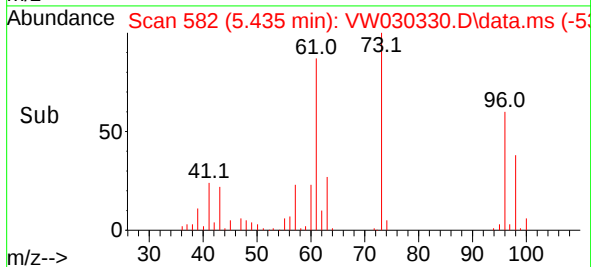
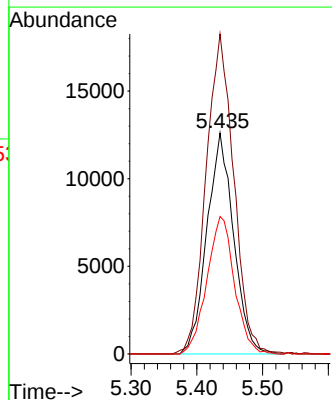
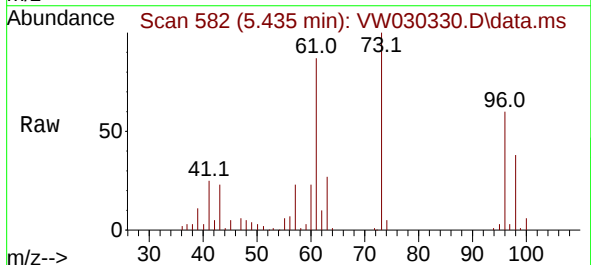
Instrument :
MSVOA_W
ClientSampleId :

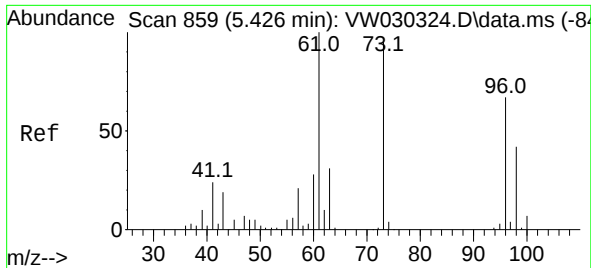
Tgt Ion: 84 Resp: 105313
Ion Ratio Lower Upper
84 100
86 62.8 44.8 83.2
49 127.4 83.6 155.2



#17
trans-1,2-Dichloroethene
Concen: 17.504 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

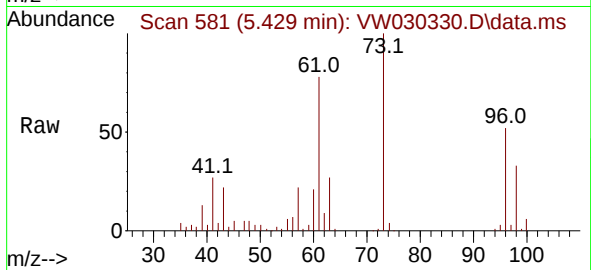
Tgt Ion: 96 Resp: 35635
Ion Ratio Lower Upper
96 100
61 144.8 100.3 186.3
98 62.2 46.3 86.1



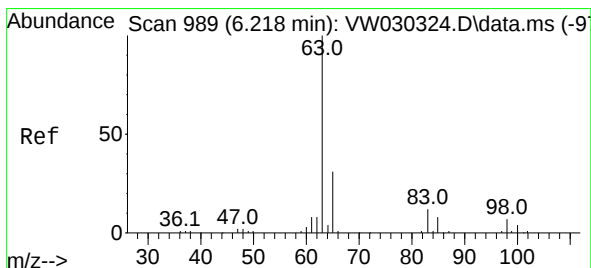
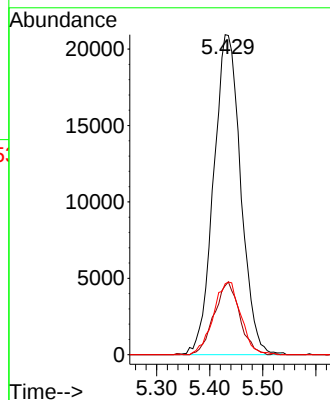
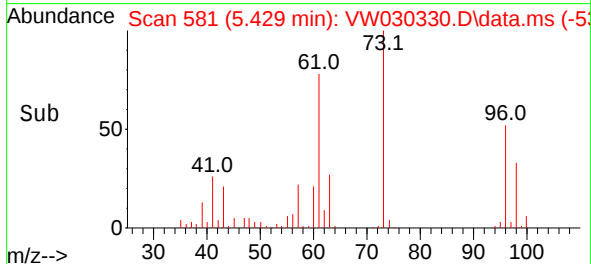


#18
Methyl tert-butyl Ether
Concen: 22.987 ug/L
RT: 5.429 min Scan# 51
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Instrument :
MSVOA_W
ClientSampleId :

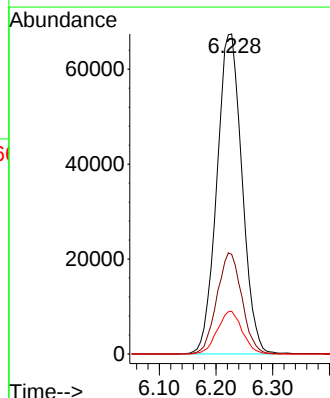
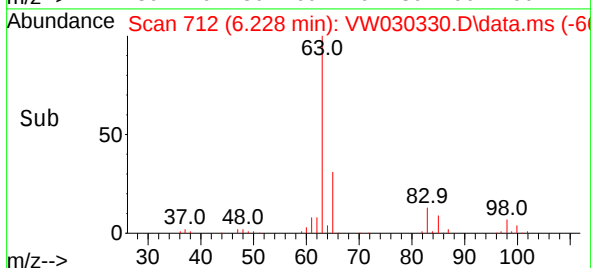
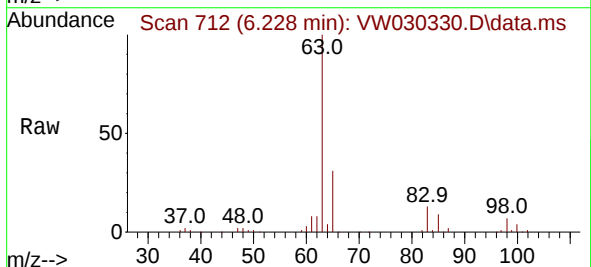


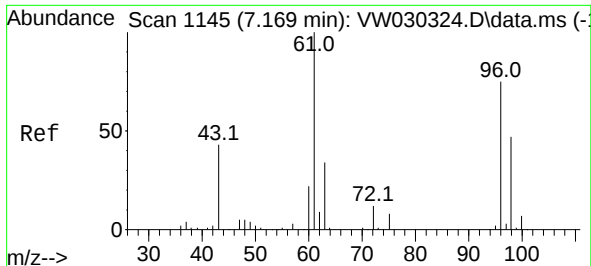
Tgt Ion: 73 Resp: 74430
Ion Ratio Lower Upper
73 100
43 21.4 15.9 23.9
57 22.9 17.6 26.4



#19
1,1-Dichloroethane
Concen: 53.540 ug/L
RT: 6.228 min Scan# 712
Delta R.T. 0.009 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion: 63 Resp: 207571
Ion Ratio Lower Upper
63 100
65 31.1 20.7 38.5
83 13.4 9.9 18.3





#22

2-Butanone

Concen: 128.690 ug/L

RT: 7.173 min Scan# 80

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

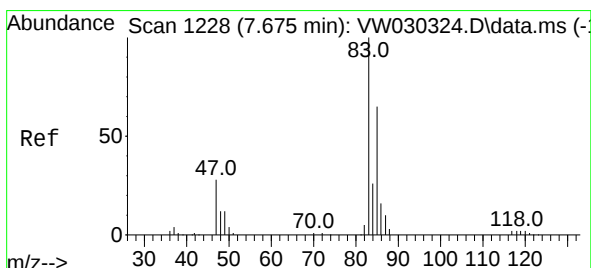
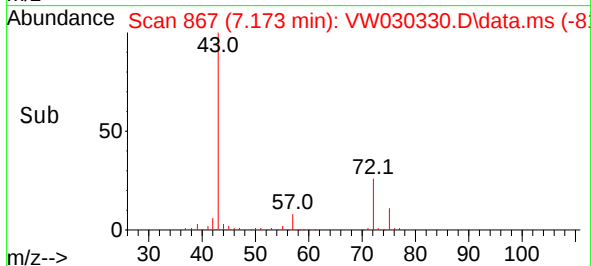
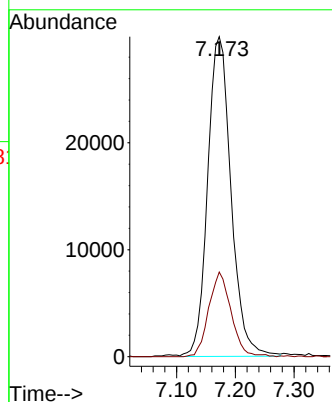
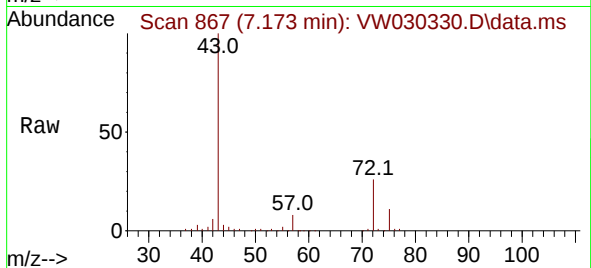
ClientSampleId :

Tgt Ion: 43 Resp: 82780

Ion Ratio Lower Upper

43 100

72 25.0 14.1 42.3



#25

Chloroform

Concen: 53.802 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.003 min

Lab File: VW030330.D

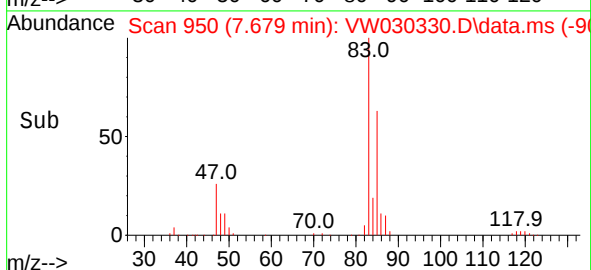
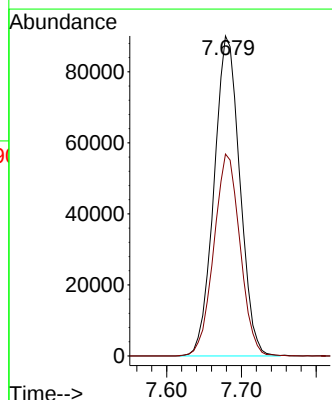
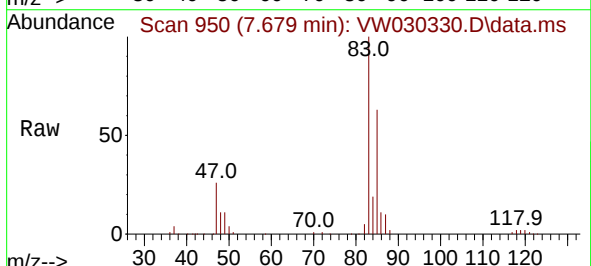
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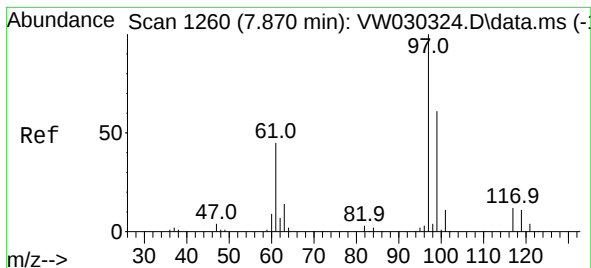
Tgt Ion: 83 Resp: 216319

Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.0





#30

1,1,1-Trichloroethane

Concen: 0.415 ug/L

RT: 7.874 min Scan# 91

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

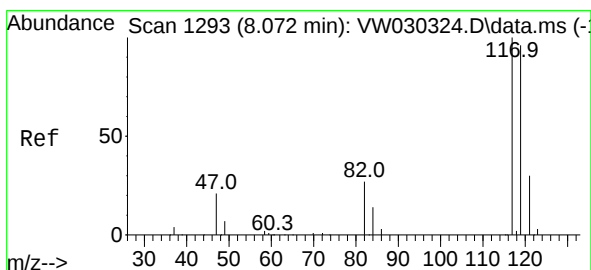
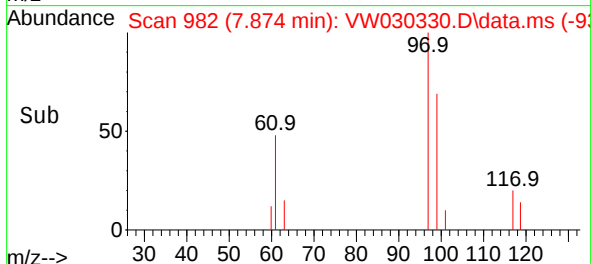
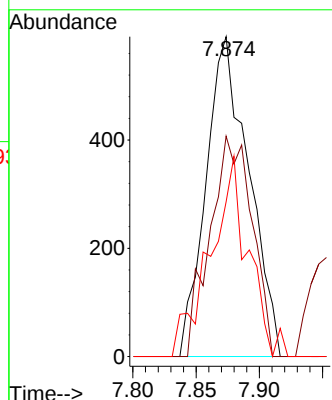
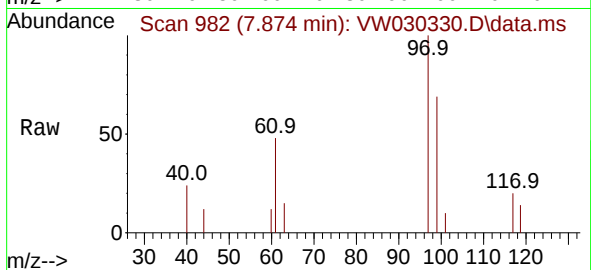
Tgt Ion: 97 Resp: 1390

Ion Ratio Lower Upper

97 100

99 68.0 50.9 76.3

61 27.6 34.1 51.1#



#31

Carbon tetrachloride

Concen: 9.678 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.003 min

Lab File: VW030330.D

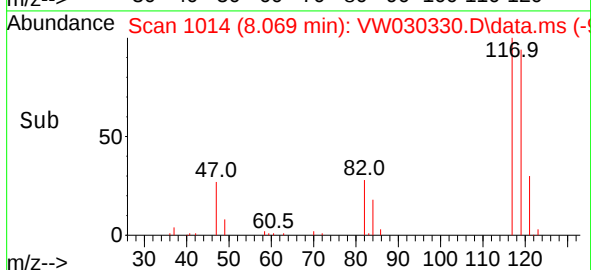
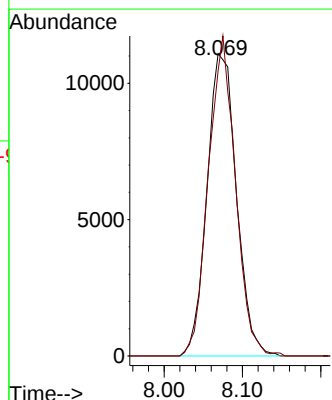
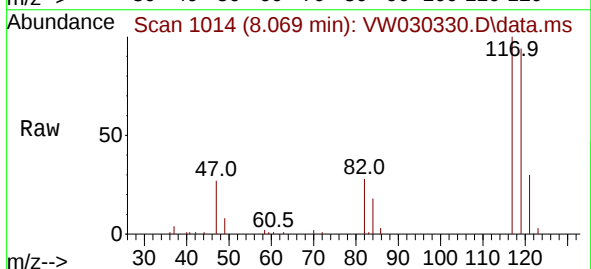
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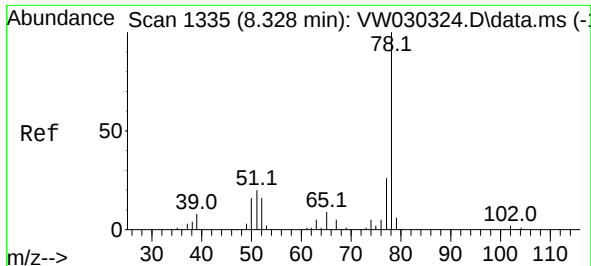
Tgt Ion: 117 Resp: 28963

Ion Ratio Lower Upper

117 100

119 97.2 75.5 113.3

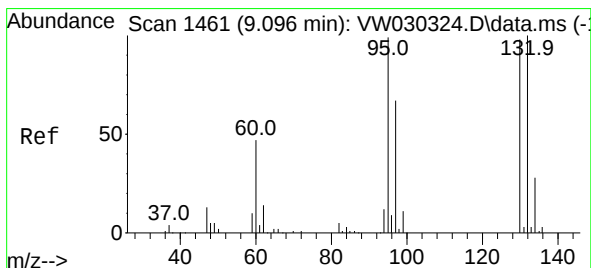
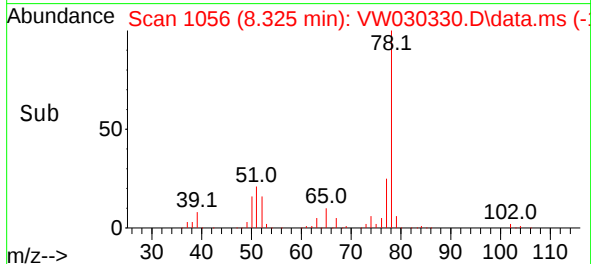
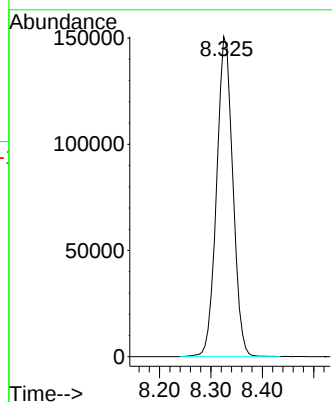
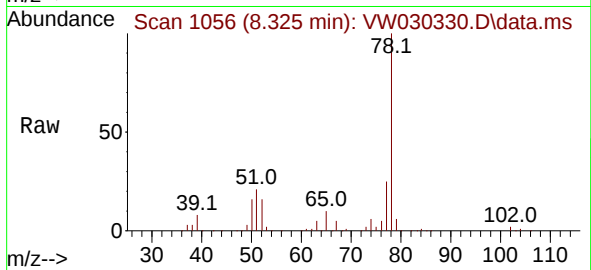




#33
Benzene
Concen: 37.586 ug/L
RT: 8.325 min Scan# 1182
Delta R.T. -0.003 min
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ClientSampleId :

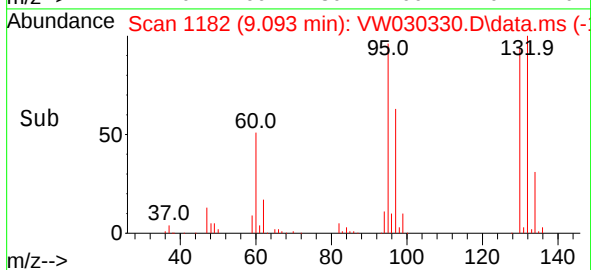
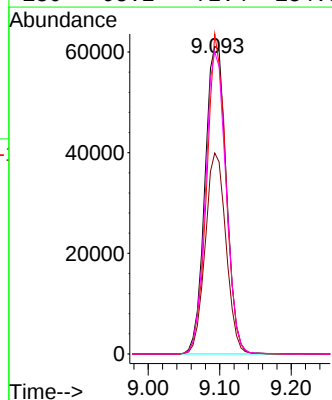
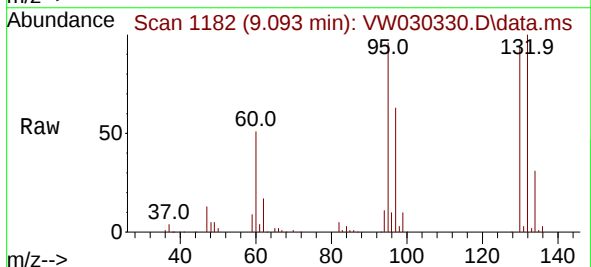
Tgt Ion: 78 Resp: 330916

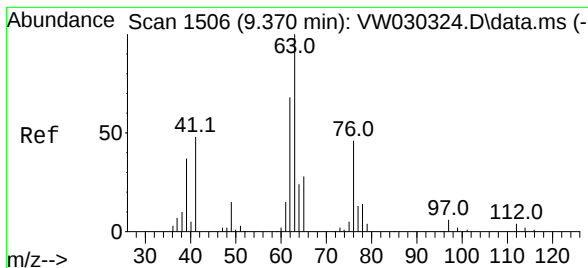


#34
Trichloroethene
Concen: 54.184 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion: 95 Resp: 126893

Ion	Ratio	Lower	Upper
95	100		
97	65.4	47.5	88.1
132	104.1	66.7	123.9
130	98.2	72.4	134.5





#37

1,2-Dichloropropane

Concen: 21.399 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

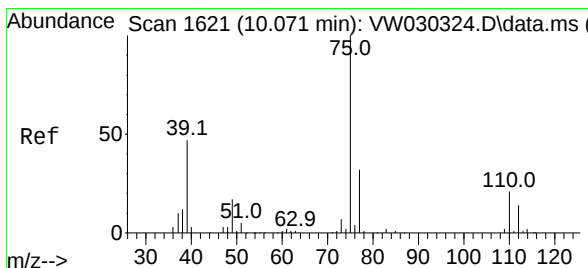
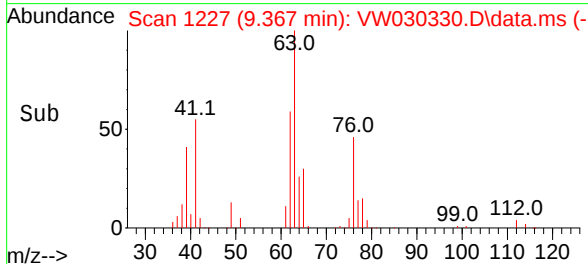
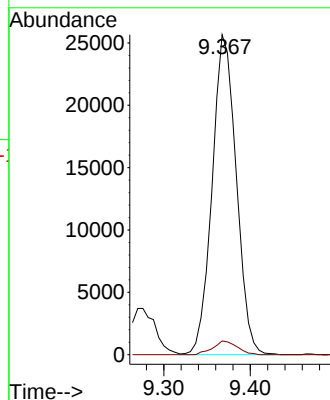
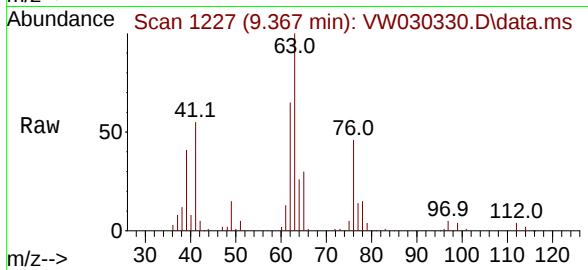
ClientSampleId :

Tgt Ion: 63 Resp: 49710

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#39

cis-1,3-Dichloropropene

Concen: 35.494 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.003 min

Lab File: VW030330.D

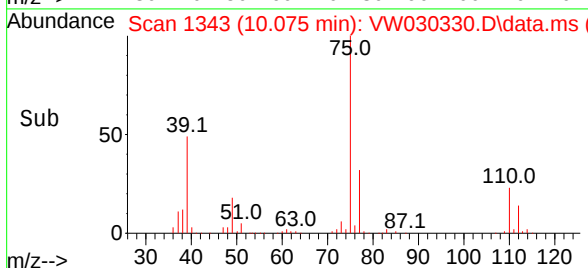
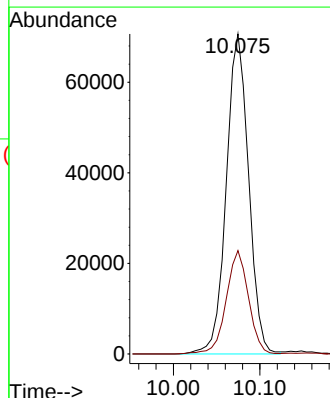
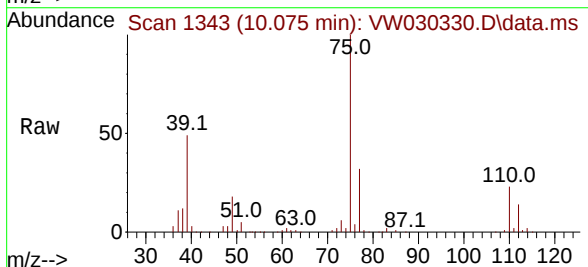
Acq: 02 Oct 2024 16:29

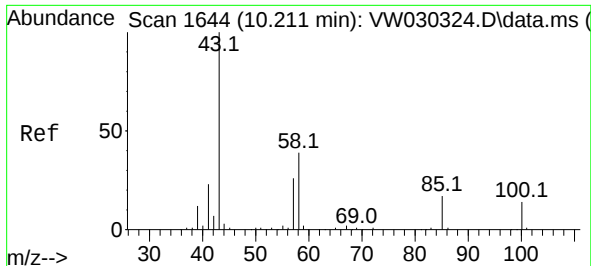
Tgt Ion: 75 Resp: 126424

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8





#40

4-Methyl-2-pentanone

Concen: 88.908 ug/L

RT: 10.209 min Scan# 1430

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

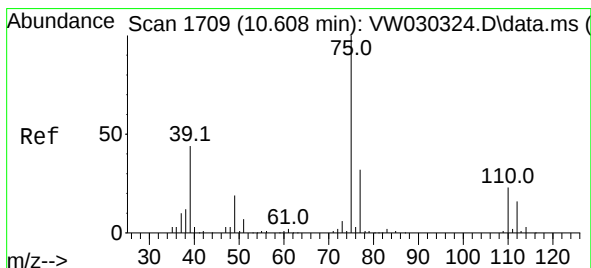
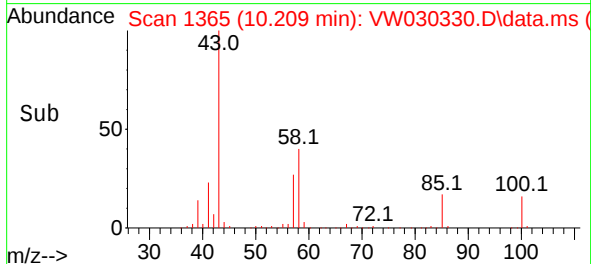
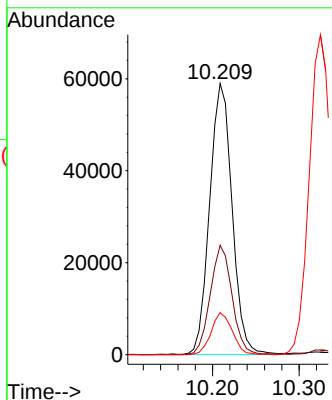
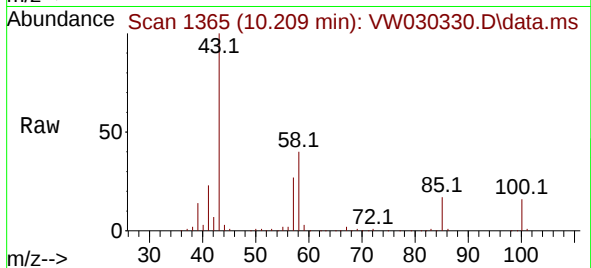
Tgt Ion: 43 Resp: 106228

Ion Ratio Lower Upper

43 100

58 39.3 32.6 48.8

100 14.7 12.5 18.7



#44

trans-1,3-Dichloropropene

Concen: 40.893 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.003 min

Lab File: VW030330.D

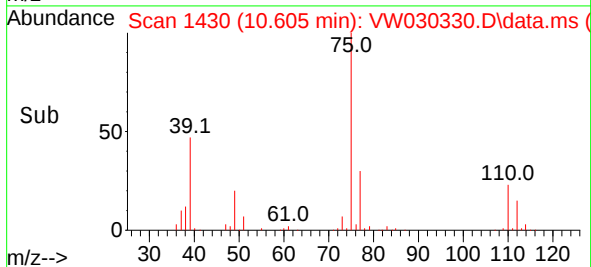
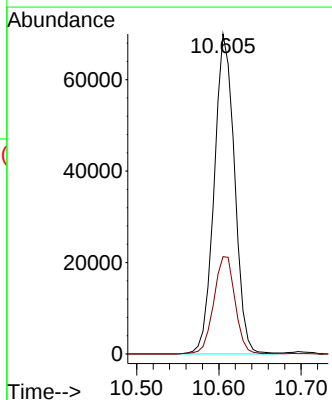
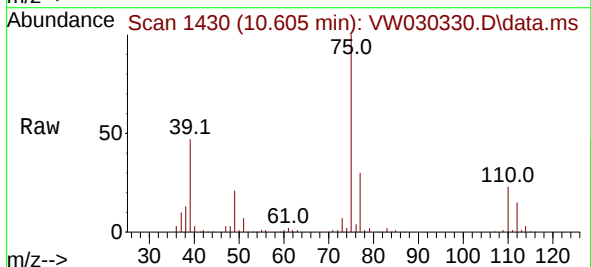
Acq: 02 Oct 2024 16:29

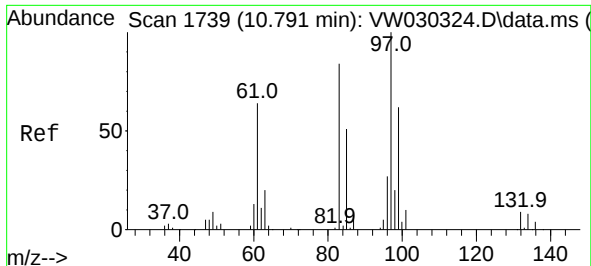
Tgt Ion: 75 Resp: 120691

Ion Ratio Lower Upper

75 100

77 30.4 20.8 38.6





#45

1,1,2-Trichloroethane

Concen: 27.520 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 45050

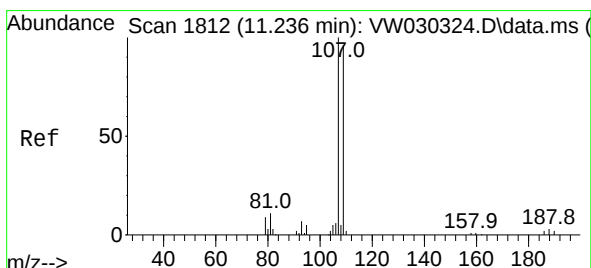
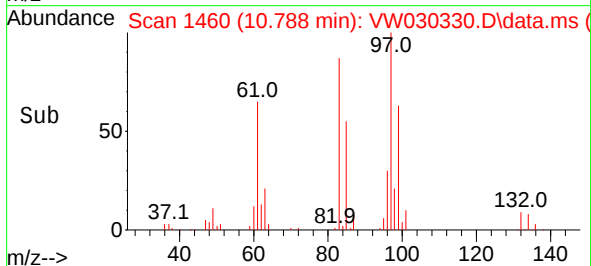
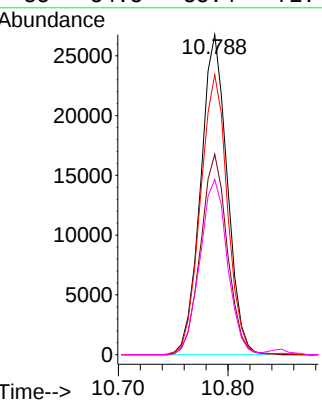
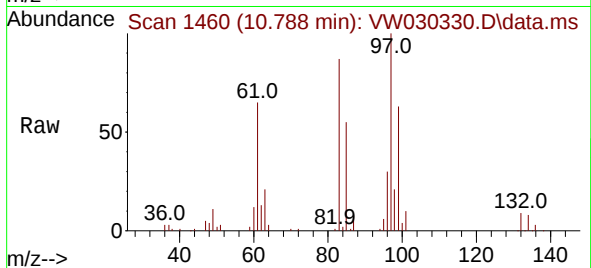
Ion Ratio Lower Upper

97 100

99 62.7 40.8 75.8

83 87.5 59.1 109.7

85 54.8 38.4 71.4



#50

1,2-Dibromoethane

Concen: 26.226 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

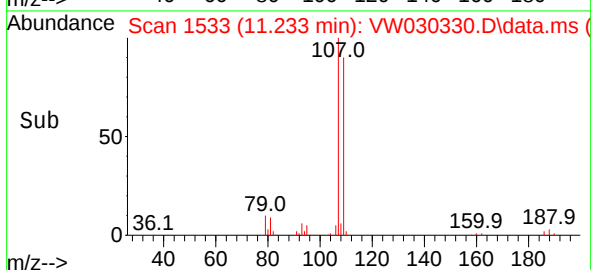
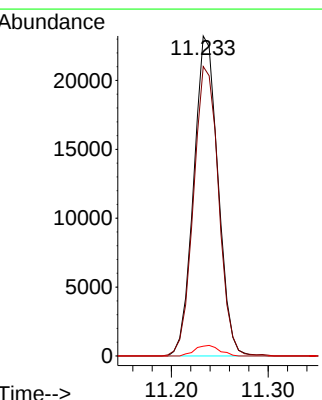
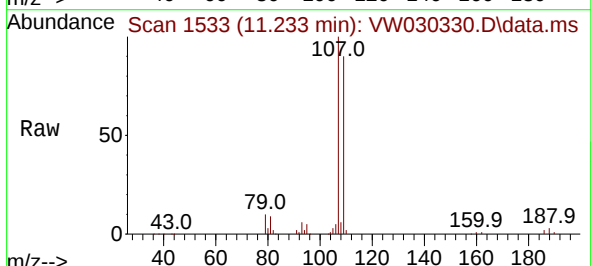
Tgt Ion:107 Resp: 40624

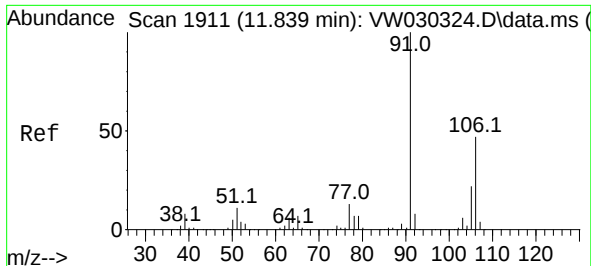
Ion Ratio Lower Upper

107 100

109 90.5 67.8 125.8

188 3.0 2.9 4.3

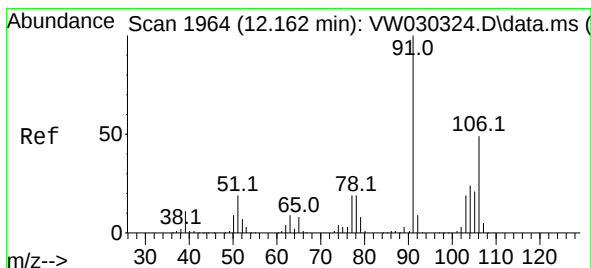
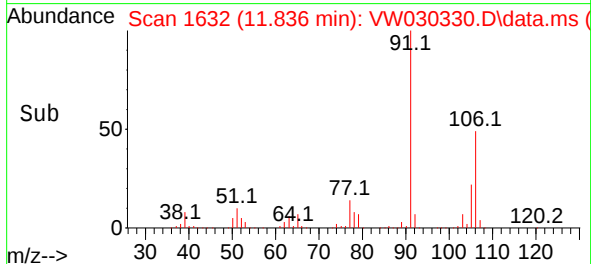
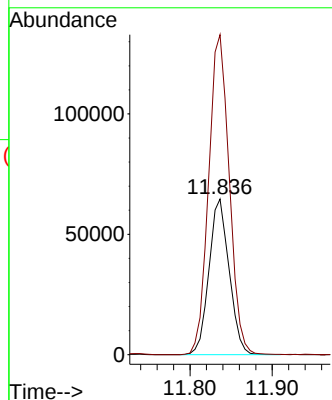
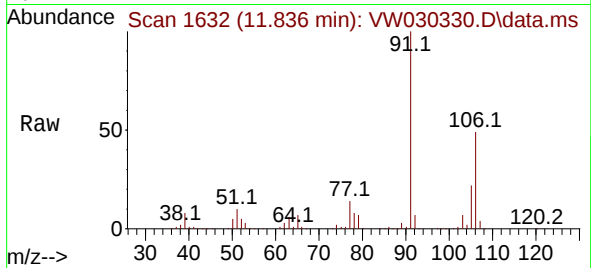




#53
m,p-Xylene
Concen: 27.642 ug/L
RT: 11.836 min Scan# 1
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

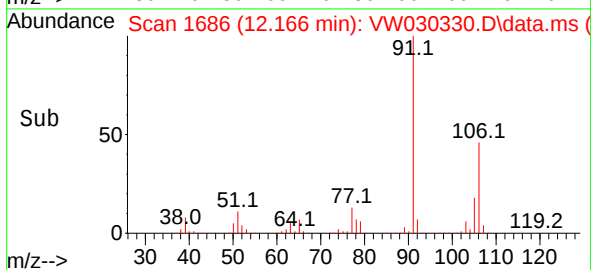
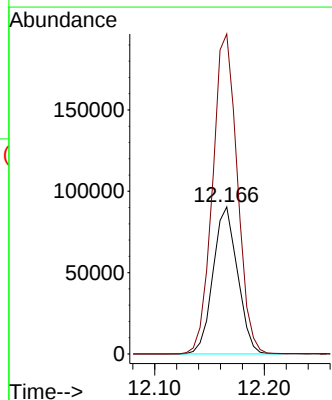
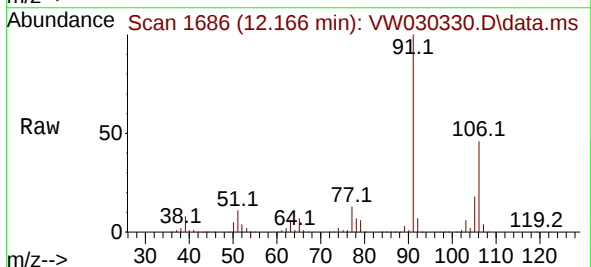
Instrument :
MSVOA_W
ClientSampleId :

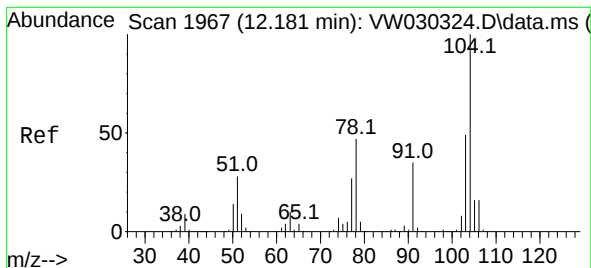
Tgt Ion:106 Resp: 110183
Ion Ratio Lower Upper
106 100
91 205.5 144.4 268.2



#54
o-Xylene
Concen: 36.942 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion:106 Resp: 140152
Ion Ratio Lower Upper
106 100
91 217.7 153.6 285.2





#55

Styrene

Concen: 1.225 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.015 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

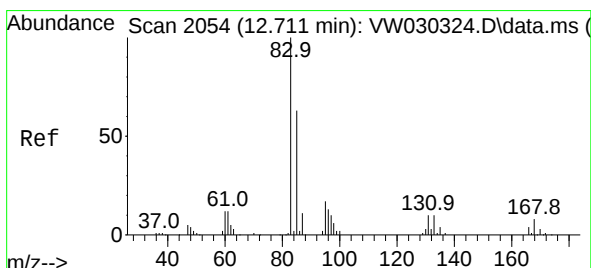
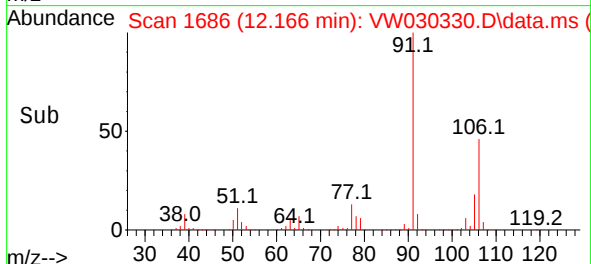
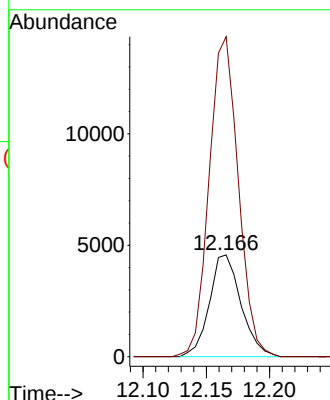
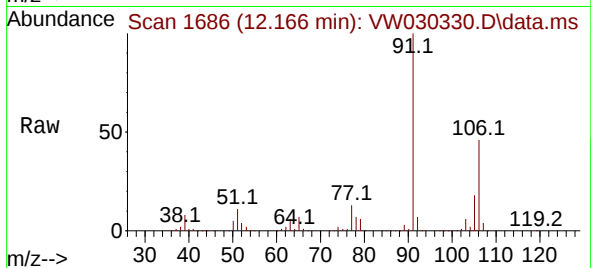
ClientSampleId :

Tgt Ion:104 Resp: 7929

Ion Ratio Lower Upper

104 100

78 314.4 34.6 64.3#



#57

1,1,2,2-Tetrachloroethane

Concen: 28.388 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

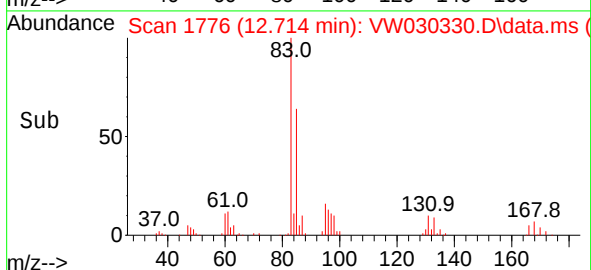
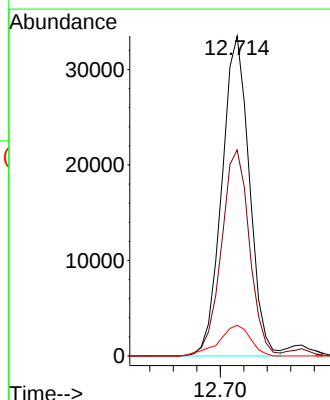
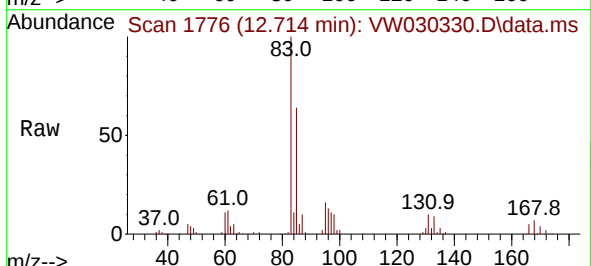
Tgt Ion: 83 Resp: 54426

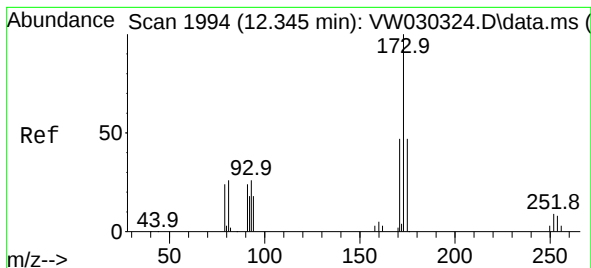
Ion Ratio Lower Upper

83 100

85 64.4 43.9 81.5

131 9.6 7.1 10.7





#59

Bromoform

Concen: 10.885 ug/L

RT: 12.349 min Scan# 1

Delta R.T. 0.003 min

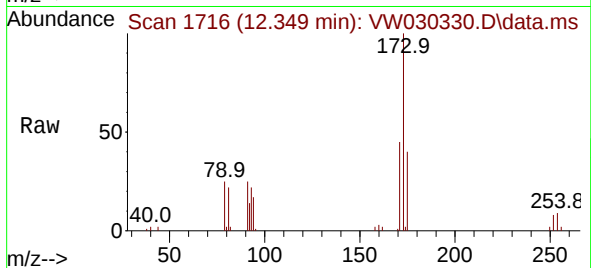
Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :



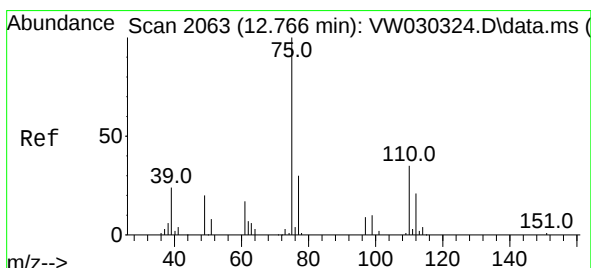
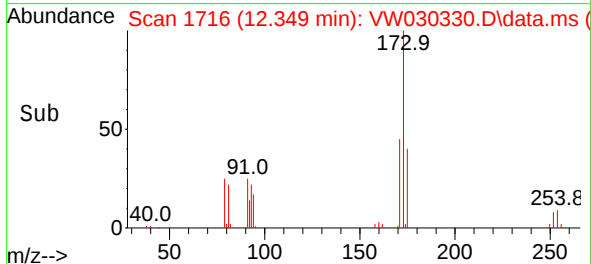
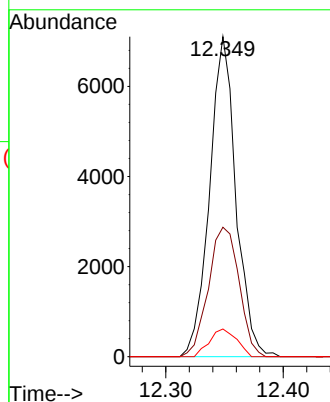
Tgt Ion:173 Resp: 11085

Ion Ratio Lower Upper

173 100

175 47.0 38.7 58.1

254 8.9 7.4 11.2



#61

1,2,3-Trichloropropane

Concen: 47.802 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

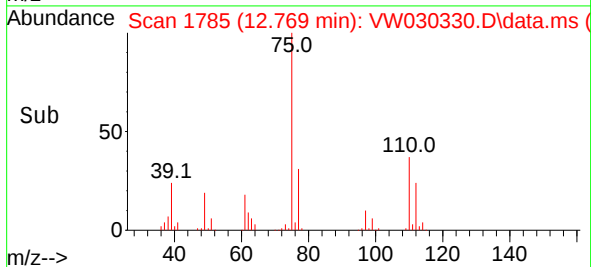
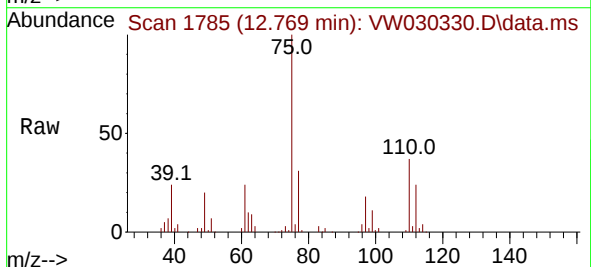
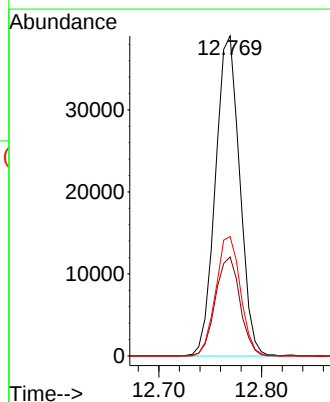
Tgt Ion: 75 Resp: 63880

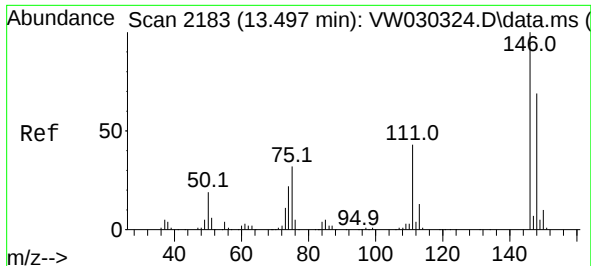
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

110 37.9 30.8 46.2

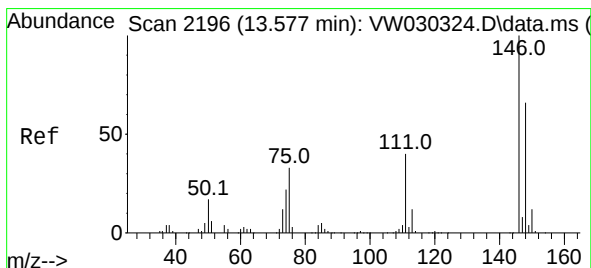
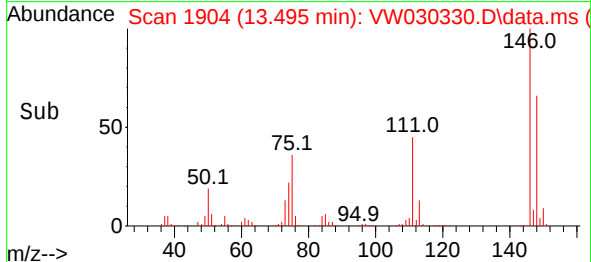
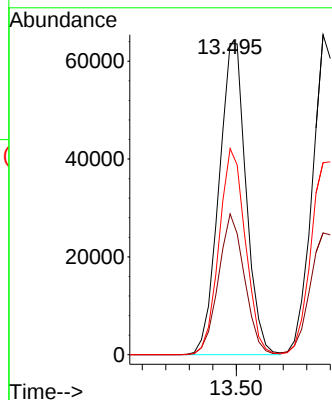
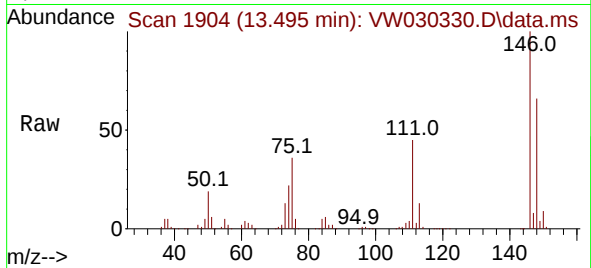




#64
1,3-Dichlorobenzene
Concen: 22.954 ug/L
RT: 13.495 min Scan# 1917
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

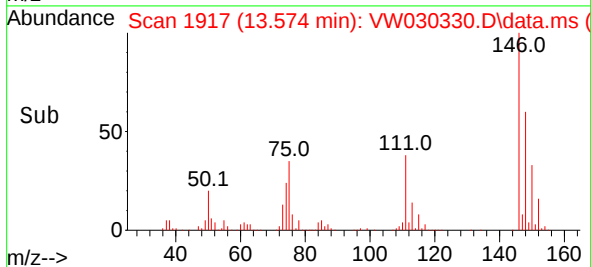
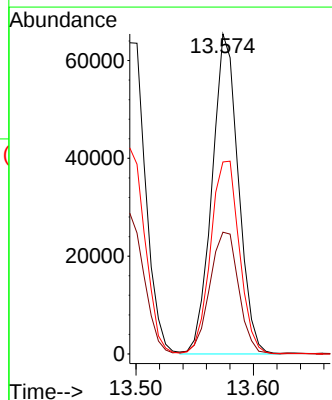
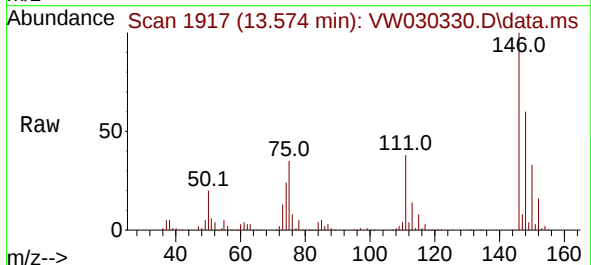
Instrument :
MSVOA_W
ClientSampleId :

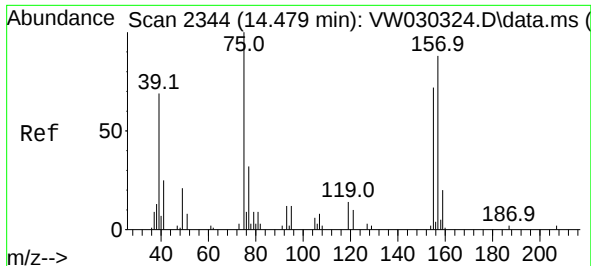
Tgt Ion:146 Resp: 102348
Ion Ratio Lower Upper
146 100
111 45.2 33.2 61.6
148 66.2 50.4 93.6



#65
1,4-Dichlorobenzene
Concen: 22.434 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion:146 Resp: 102185
Ion Ratio Lower Upper
146 100
111 38.0 29.1 54.1
148 60.0 42.1 78.1





#68

1,2-Dibromo-3-chloropropane

Concen: 13.155 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

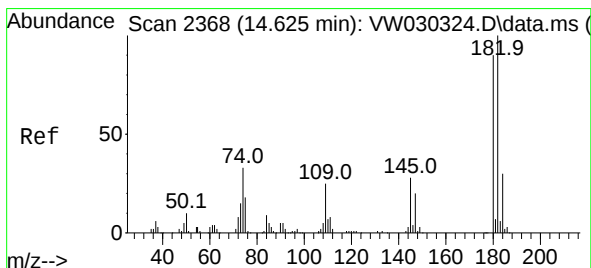
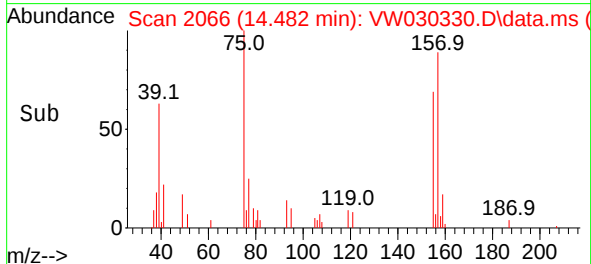
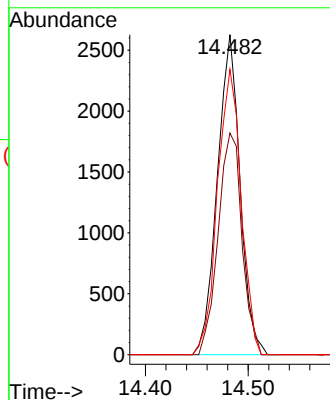
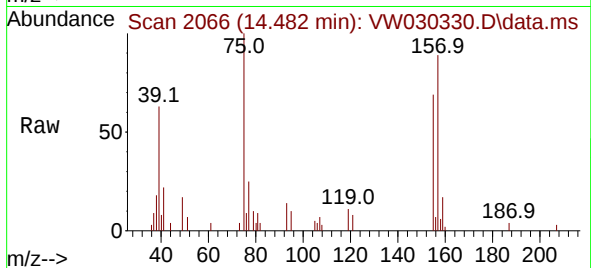
Tgt Ion: 75 Resp: 4028

Ion Ratio Lower Upper

75 100

155 69.3 60.1 90.1

157 89.2 74.3 111.5



#69

1,3,5-Trichlorobenzene

Concen: 9.710 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.503 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Tgt Ion:180 Resp: 29882

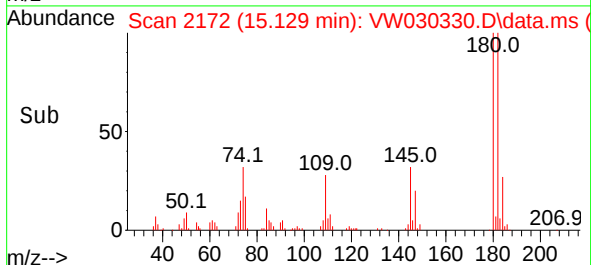
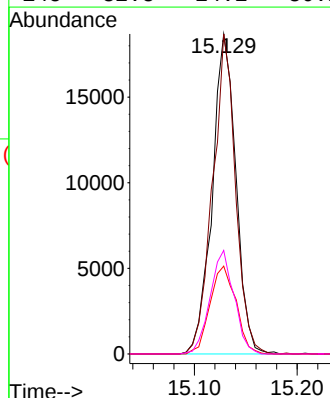
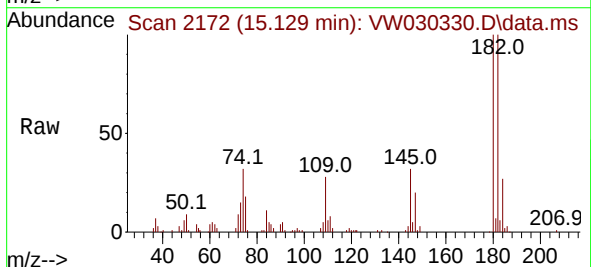
Ion Ratio Lower Upper

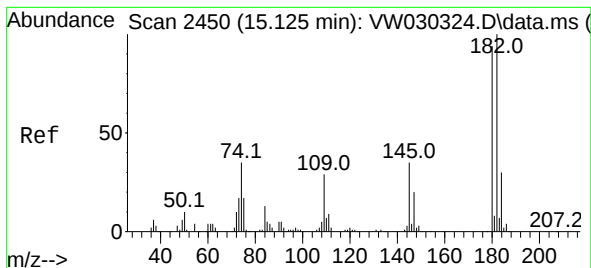
180 100

182 96.4 77.4 116.2

184 30.1 24.5 36.7

145 32.8 24.2 36.2





#70

1,2,4-trichlorobenzene

Concen: 11.728 ug/L

RT: 15.129 min Scan# 2110

Delta R.T. 0.003 min

Lab File: VW030330.D

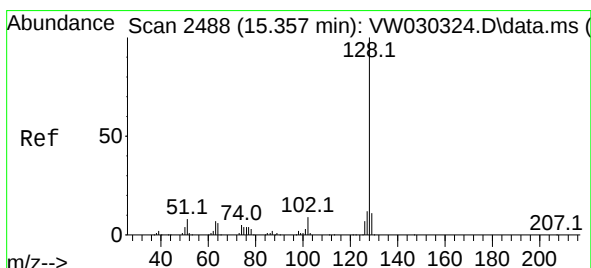
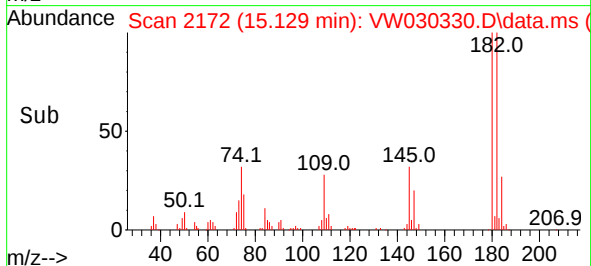
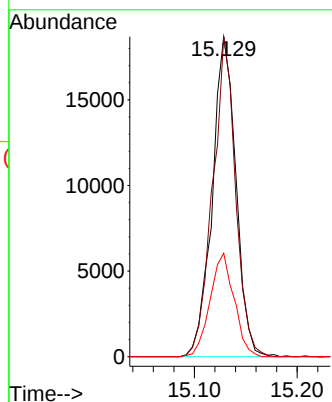
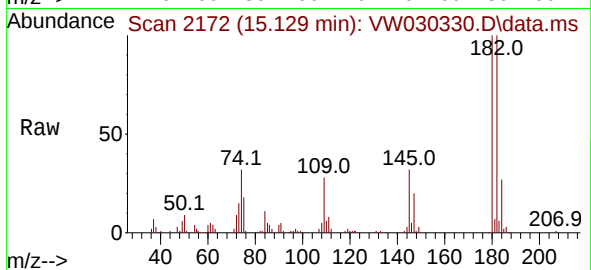
Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	180	Resp:	29882
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.2	115.8
145	32.8	25.3	37.9



#71

Naphthalene

Concen: 41.732 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Tgt Ion:	128	Resp:	194499
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.8	16.2
129	10.9	8.8	13.2

