

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102324\
 Data File : VW030720.D
 Acq On : 23 Oct 2024 13:17
 Operator : SY/MD
 Sample : P4436-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 01:36:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 24 01:34:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	257832	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	236123	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	117965	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	56522	13.947	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.800%
7) Chloroethane-d5	2.899	69	53289	17.371	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.480%
11) 1,1-Dichloroethene-d2	4.021	65	25748	15.275	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.080%
21) 2-Butanone-d5	7.081	46	36489	50.030	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.060%
24) Chloroform-d	7.655	84	171409	23.247	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	8.471	65	77	0.020	ug/L	0.17
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.080%#
32) Benzene-d6	8.276	84	246993	18.023	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	72.080%
36) 1,2-Dichloropropane-d6	9.276	67	81133	20.170	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.680%
41) Toluene-d8	10.325	98	231345	18.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.960%
43) trans-1,3-Dichloroprop...	10.581	79	32067	19.038	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.160%
47) 2-Hexanone-d5	10.922	63	27341	52.773	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.540%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	73479	24.874	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.480%
66) 1,2-Dichlorobenzene-d4	13.849	152	73877	18.509	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.040%#
Target Compounds						
					Qvalue	
13) Acetone	4.119	43	92635	86.756	ug/L	96
15) Methyl Acetate	4.673	43	872	0.661	ug/L #	80
16) Methylene chloride	4.917	84	332320	85.257	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	122173	32.731	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	254089	48.638	ug/L	99
19) 1,1-Dichloroethane	6.222	63	658376	94.901	ug/L	100
22) 2-Butanone	7.167	43	240654	209.087	ug/L	95
25) Chloroform	7.679	83	703797	94.932	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	4784	0.763	ug/L	92
31) Carbon tetrachloride	8.069	117	94667	16.910	ug/L	98
33) Benzene	8.325	78	1068207	69.519	ug/L	100
34) Trichloroethene	9.093	95	412322	96.453	ug/L	96
37) 1,2-Dichloropropane	9.368	63	154431	40.241	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	394223	68.103	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	315713	171.243	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	376358	77.371	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	147174	53.063	ug/L	99
48) 2-Hexanone	10.928	43	4400	2.918	ug/L #	67
50) 1,2-Dibromoethane	11.233	107	128166	49.522	ug/L	98

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Quant Title : SFAM01.0
QLast Update : Thu Oct 24 01:34:36 2024
Response via : Initial Calibration

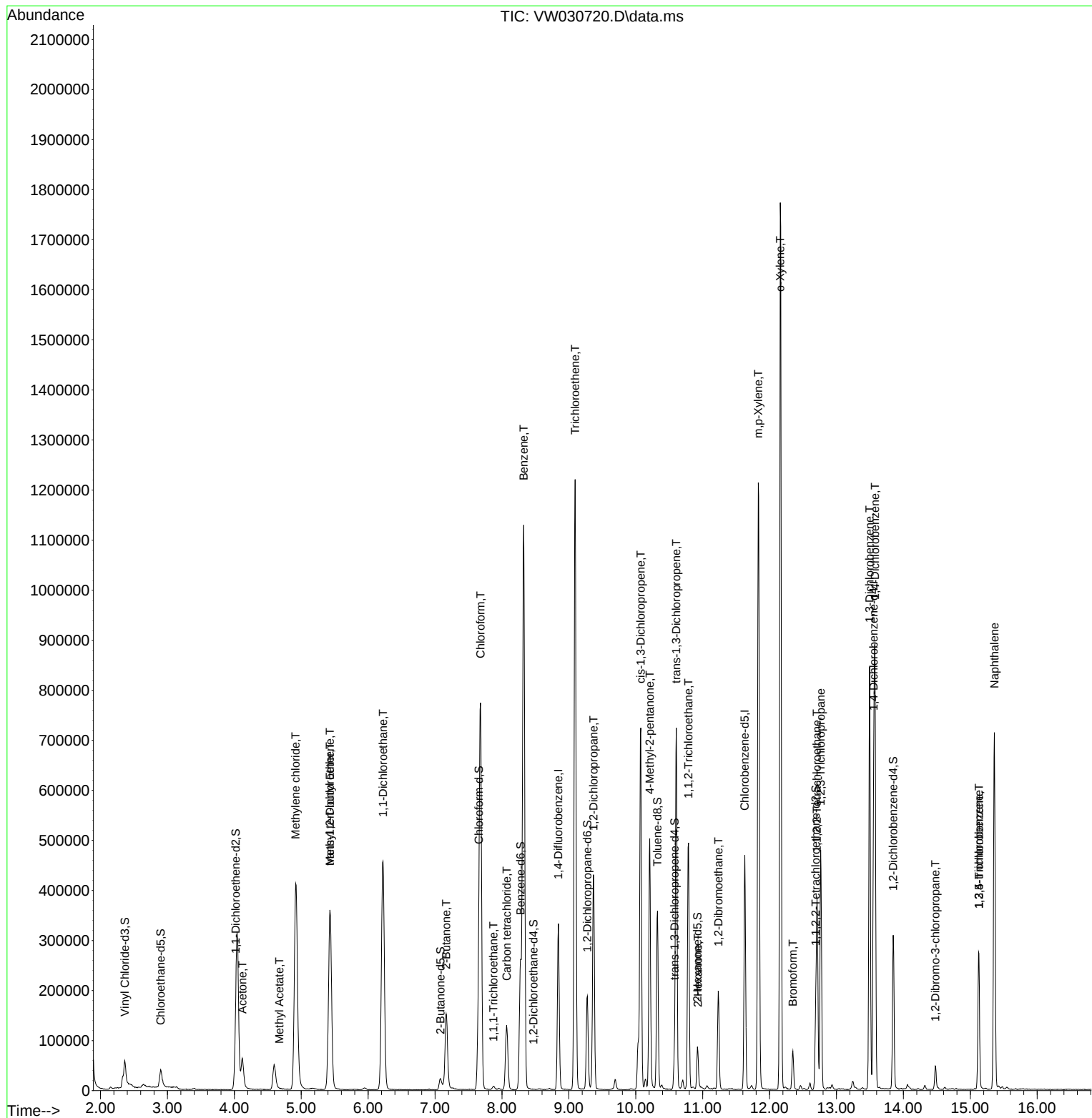
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	11.831	106	355775	50.768	ug/L	98
54) o-Xylene	12.160	106	445388	68.745	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.708	83	168761	53.956	ug/L	96
59) Bromoform	12.349	173	31374	18.930	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	187448	81.660	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	314833	39.593	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	311786	37.973	ug/L	88
68) 1,2-Dibromo-3-chloropr...	14.476	75	11684	22.828	ug/L	91
69) 1,3,5-Trichlorobenzene	15.129	180	80740	15.398	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	80740	19.127	ug/L	99
71) Naphthalene	15.360	128	573501	78.636	ug/L	99

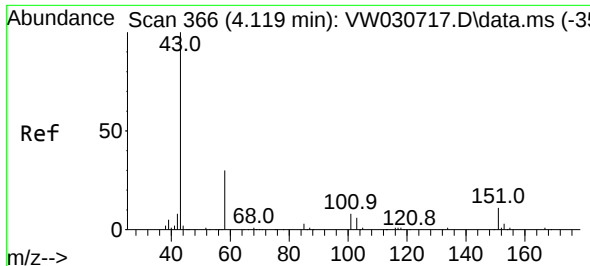
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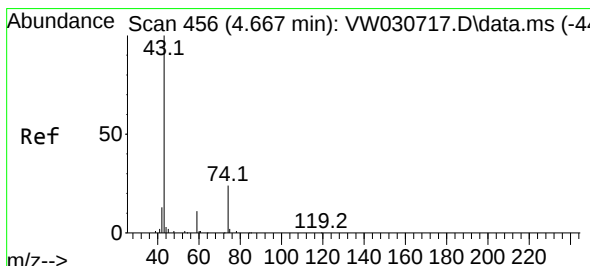
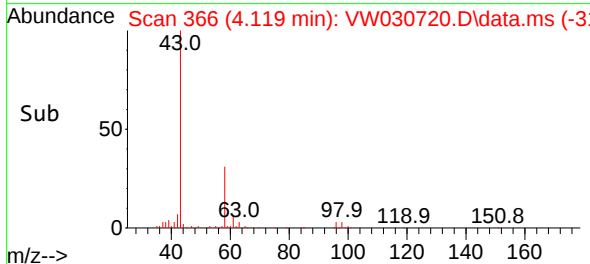
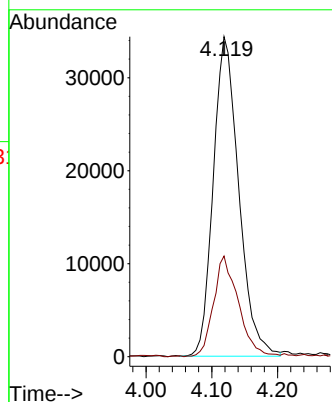
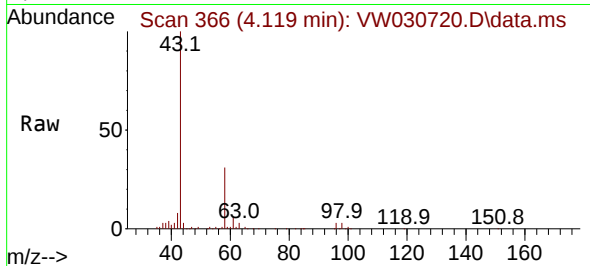




#13
Acetone
Concen: 86.756 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW030720.D
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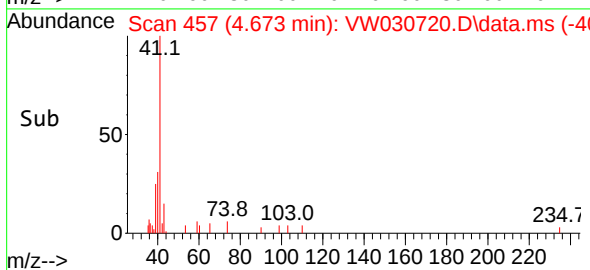
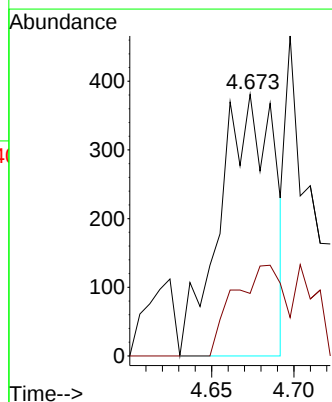
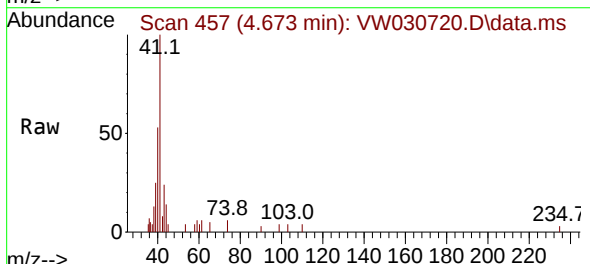
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MSVOA_W
ClientSampleId :

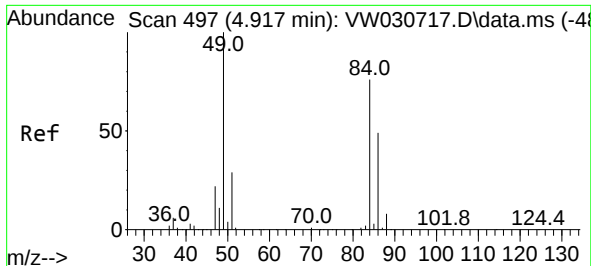
Tgt Ion: 43 Resp: 92635
Ion Ratio Lower Upper
43 100
58 30.7 0.0 57.6



#15
Methyl Acetate
Concen: 0.661 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
74 14.1 19.3 28.9#

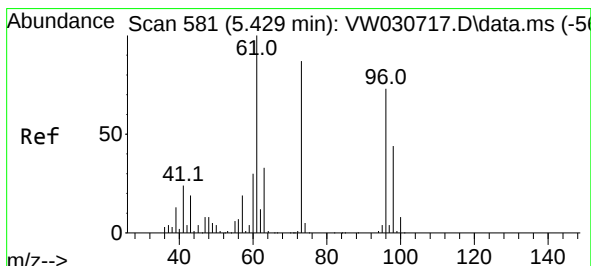
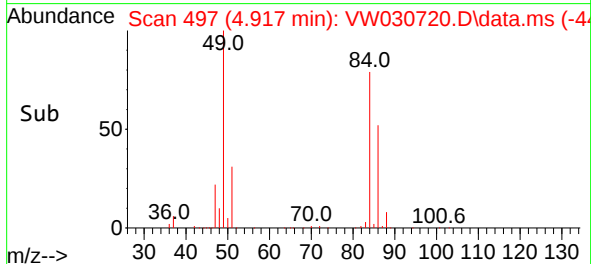
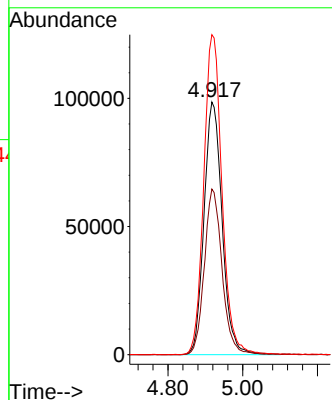
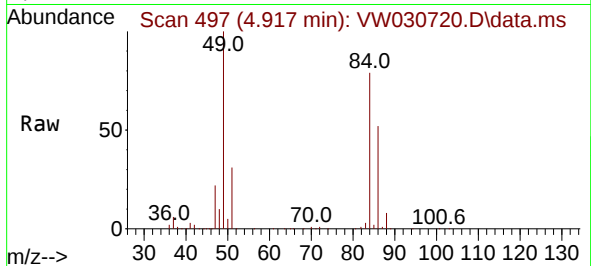




#16
Methylene chloride
Concen: 85.257 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

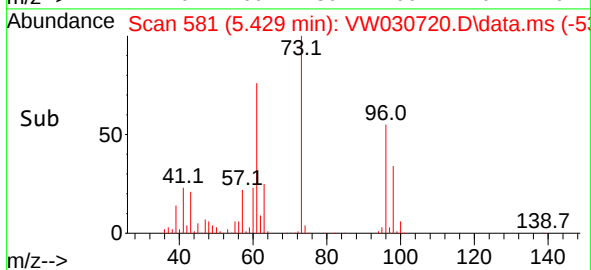
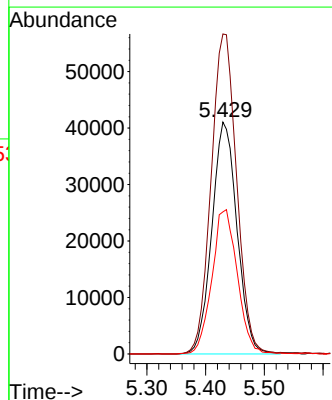
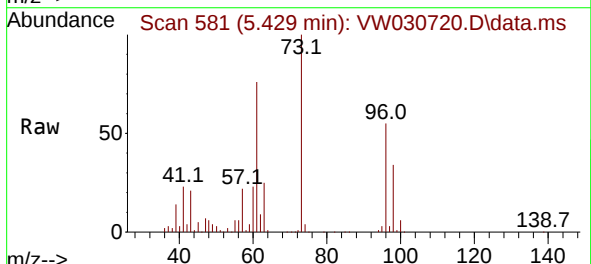
Instrument :
MSVOA_W
ClientSampleId :

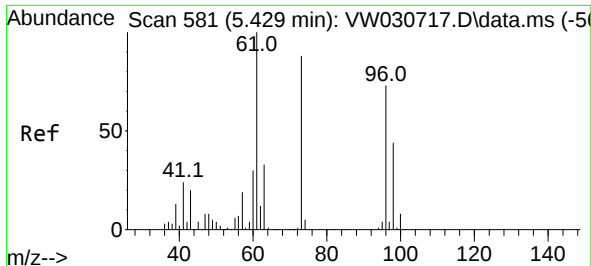
Tgt Ion: 84 Resp: 332320
Ion Ratio Lower Upper
84 100
86 65.5 43.8 81.3
49 126.6 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 32.731 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

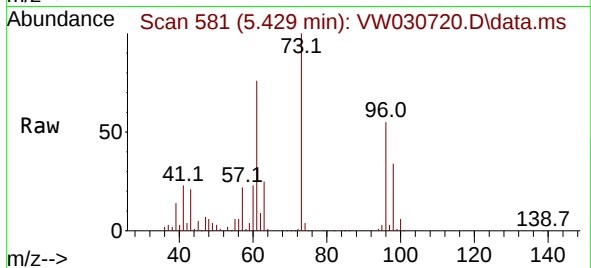
Tgt Ion: 96 Resp: 122173
Ion Ratio Lower Upper
96 100
61 138.1 96.9 179.9
98 61.3 42.2 78.4



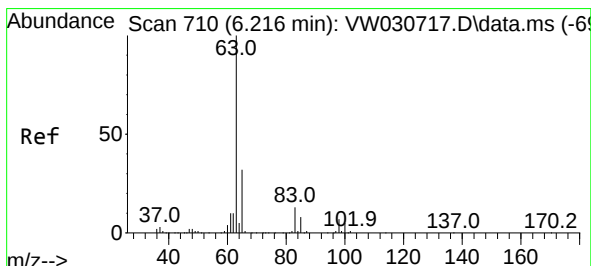
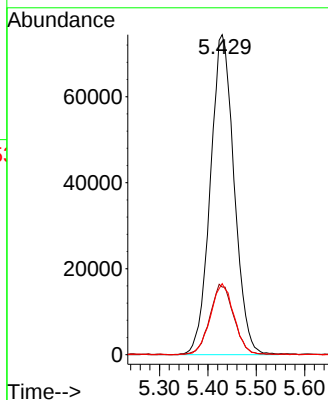
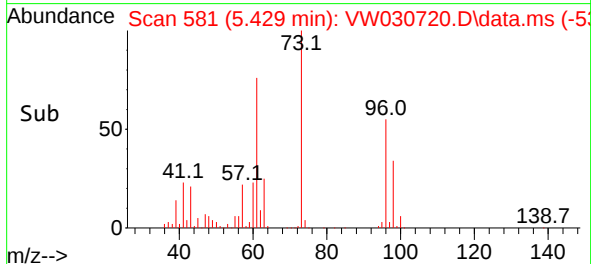


#18
Methyl tert-butyl Ether
Concen: 48.638 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Instrument :
MSVOA_W
ClientSampleId :

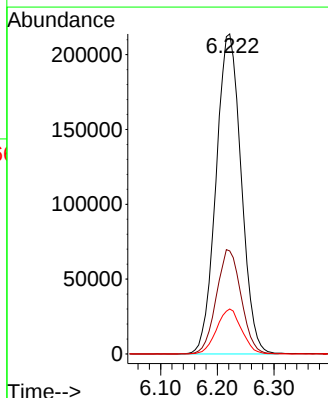
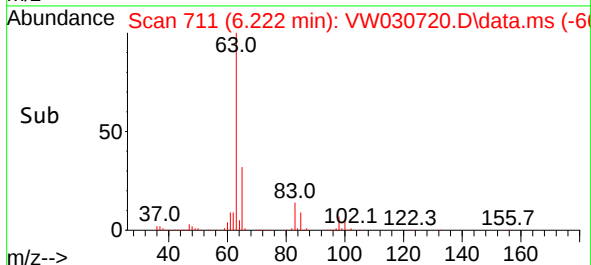
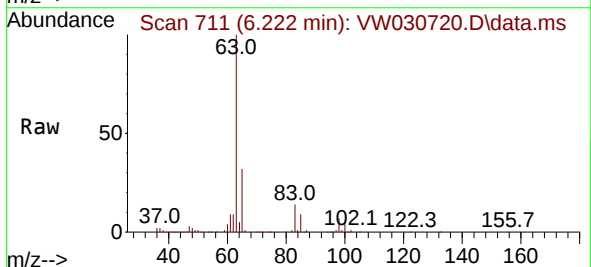


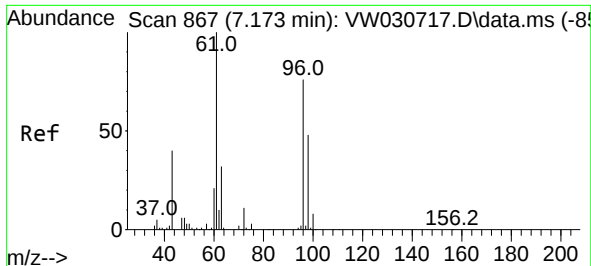
Tgt Ion:	73	Resp:	254089
Ion	Ratio	Lower	Upper
73	100		
43	21.7	18.1	27.1
57	22.0	17.7	26.5



#19
1,1-Dichloroethane
Concen: 94.901 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Tgt Ion:	63	Resp:	658376
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.5	41.9
83	14.0	9.8	18.2

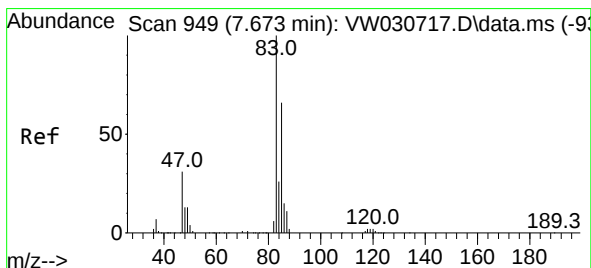
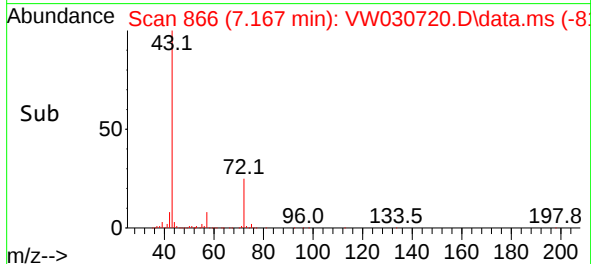
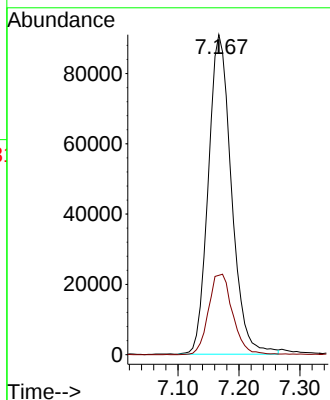
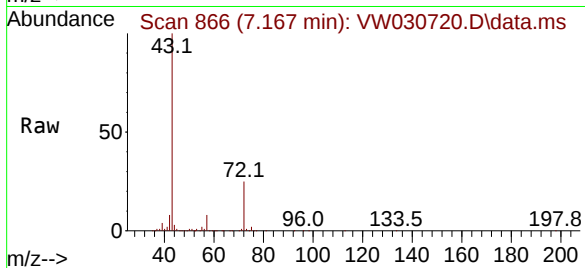




#22
2-Butanone
Concen: 209.087 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

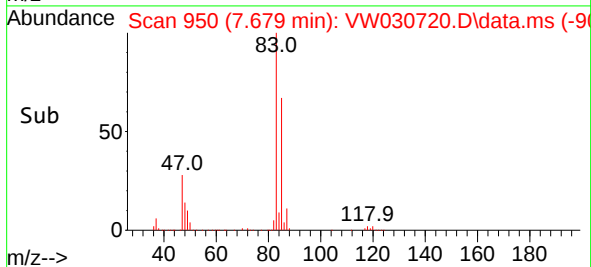
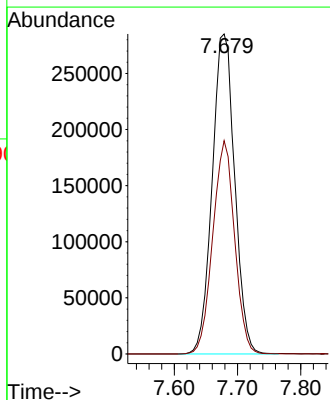
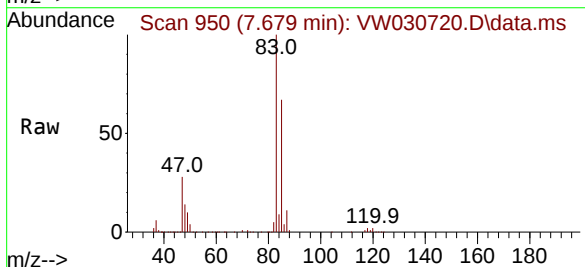
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ClientSampleId :

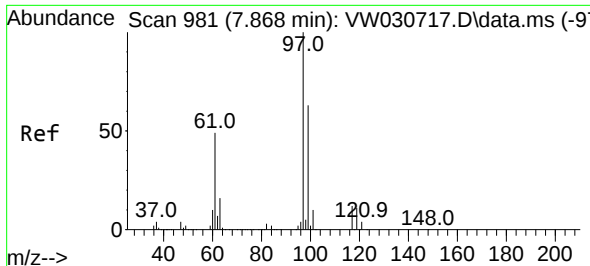
Tgt Ion: 43 Resp: 240654
Ion Ratio Lower Upper
43 100
72 26.2 14.4 43.0



#25
Chloroform
Concen: 94.932 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Tgt Ion: 83 Resp: 703797
Ion Ratio Lower Upper
83 100
85 66.7 45.1 83.7

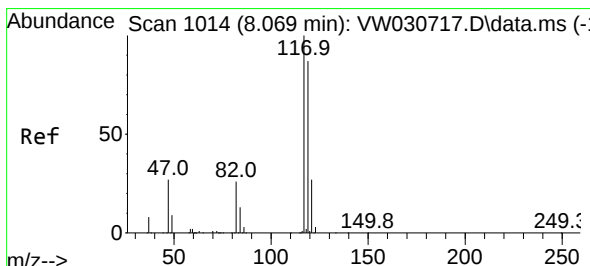
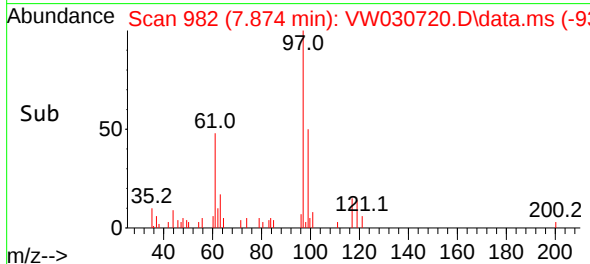
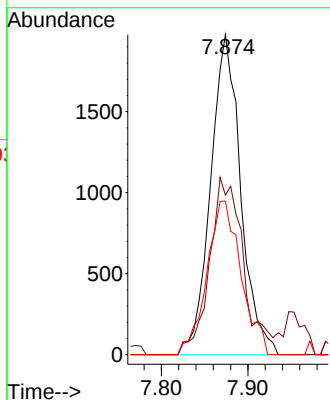
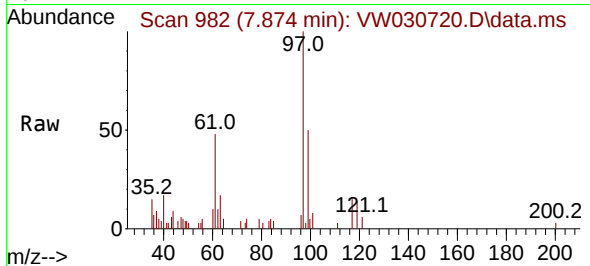




#30
1,1,1-Trichloroethane
Concen: 0.763 ug/L
RT: 7.874 min Scan# 981
Delta R.T. 0.006 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

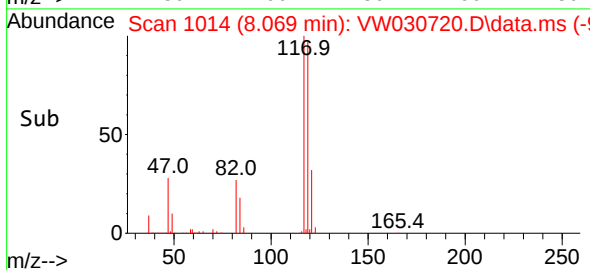
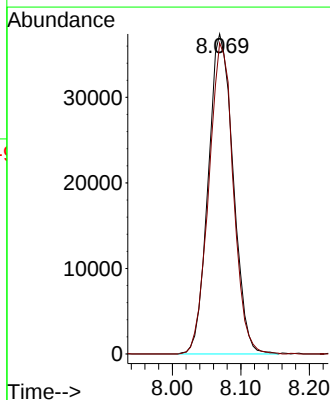
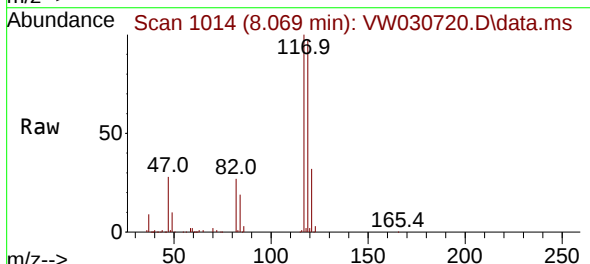
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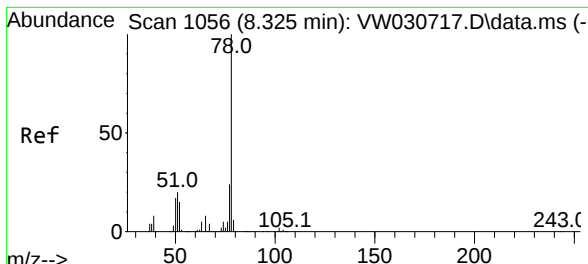
Tgt Ion: 97 Resp: 4784
Ion Ratio Lower Upper
97 100
99 56.8 52.3 78.5
61 51.6 38.5 57.7



#31
Carbon tetrachloride
Concen: 16.910 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Tgt Ion: 117 Resp: 94667
Ion Ratio Lower Upper
117 100
119 95.6 77.8 116.8

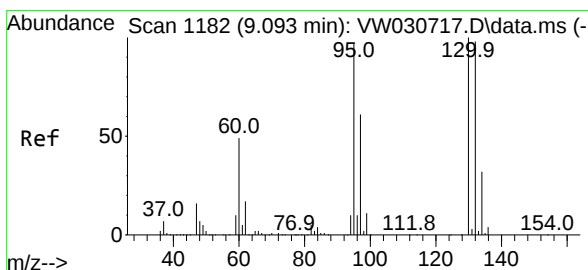
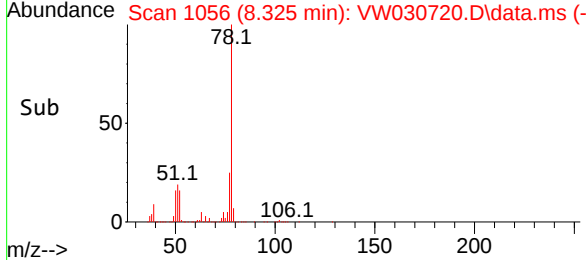
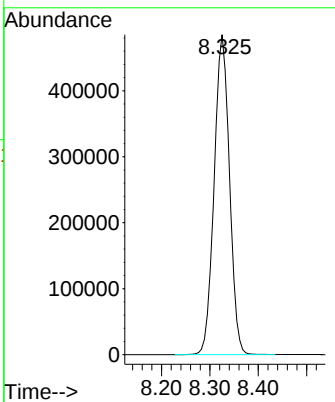
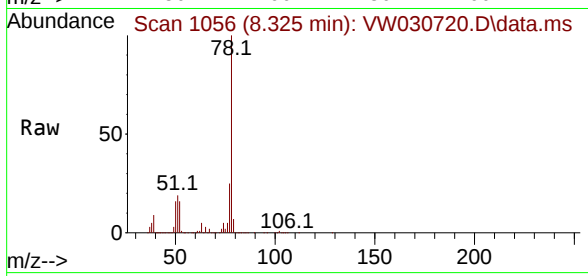




#33
Benzene
Concen: 69.519 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW030720.D
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Instrument : MSVOA_W
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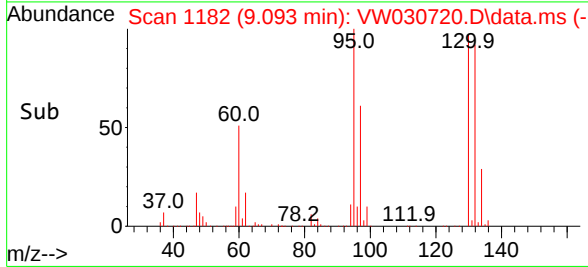
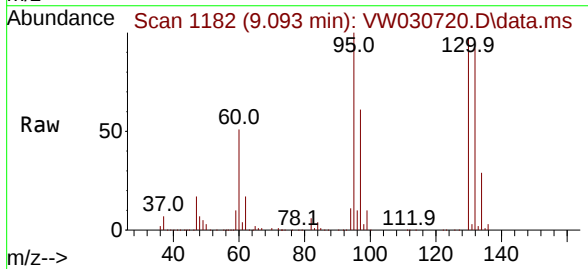
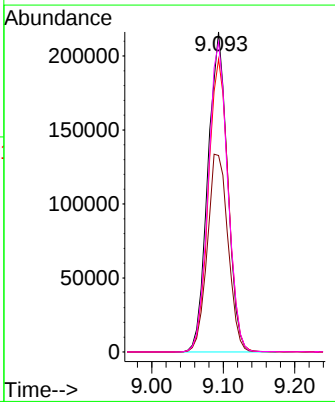
Tgt Ion: 78 Resp: 1068207

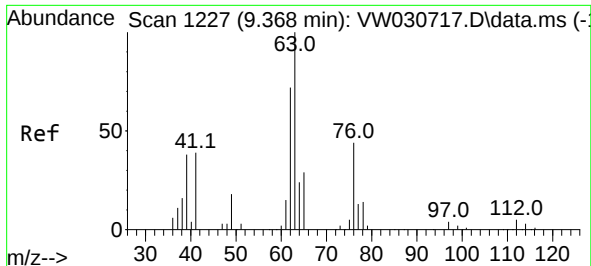


#34
Trichloroethene
Concen: 96.453 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Tgt Ion: 95 Resp: 412322

Ion	Ratio	Lower	Upper
95	100		
97	61.4	45.9	85.3
132	91.5	66.4	123.2
130	96.8	70.4	130.8





#37

1,2-Dichloropropane

Concen: 40.241 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

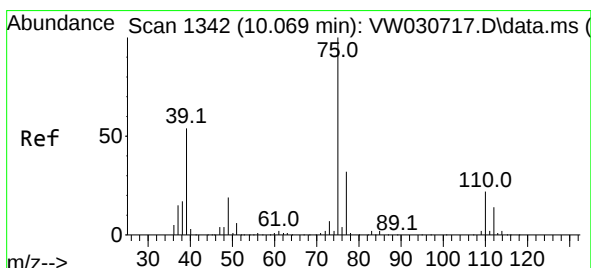
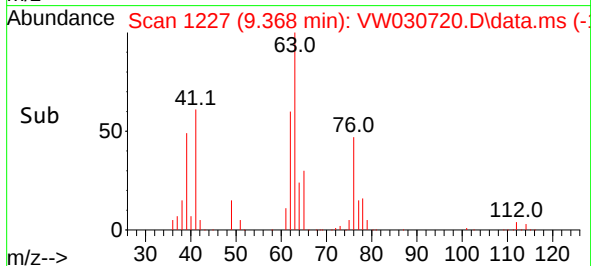
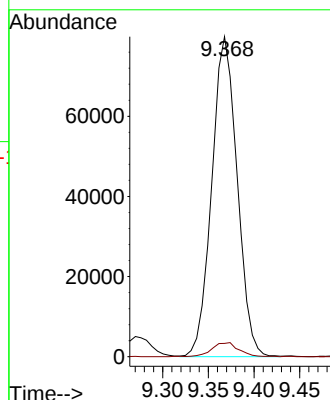
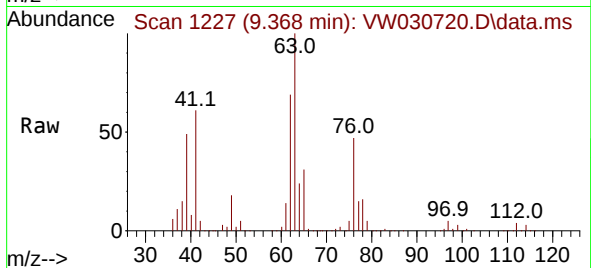
ClientSampleId :

Tgt Ion: 63 Resp: 154431

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#39

cis-1,3-Dichloropropene

Concen: 68.103 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW030720.D

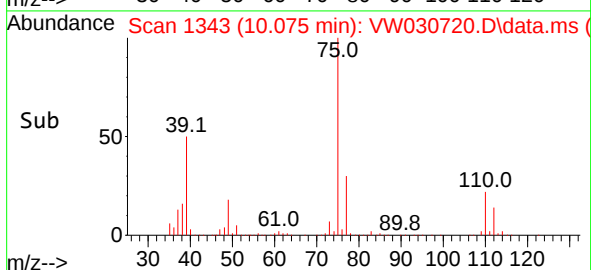
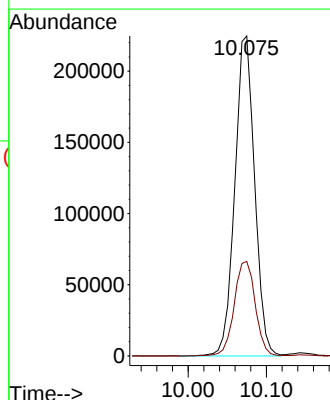
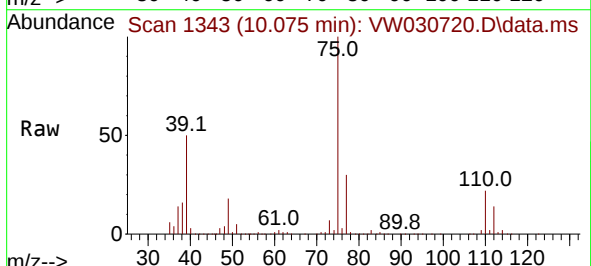
Acq: 23 Oct 2024 13:17

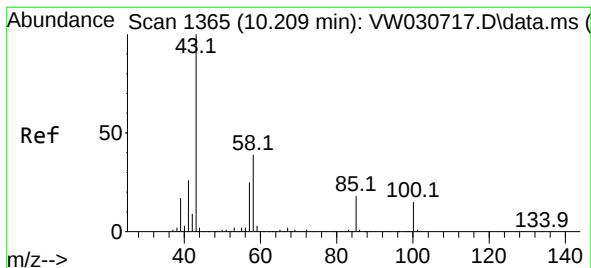
Tgt Ion: 75 Resp: 394223

Ion Ratio Lower Upper

75 100

77 29.6 21.1 39.1





#40

4-Methyl-2-pentanone

Concen: 171.243 ug/L

RT: 10.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

ClientSampleId :

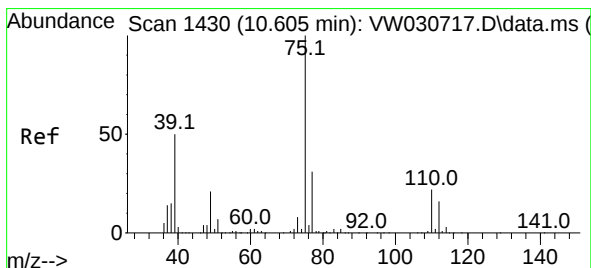
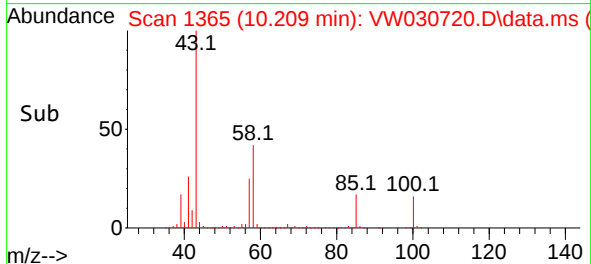
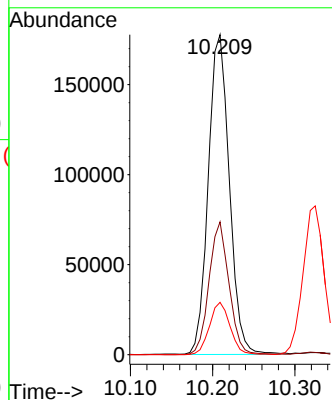
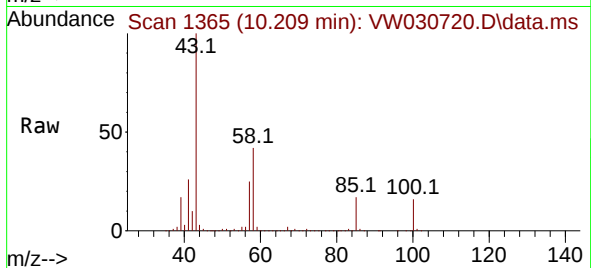
Tgt Ion: 43 Resp: 315713

Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2

100 16.0 13.1 19.7



#44

trans-1,3-Dichloropropene

Concen: 77.371 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030720.D

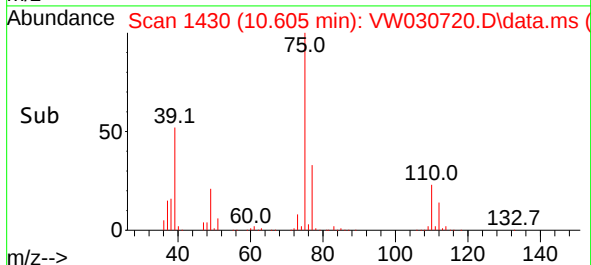
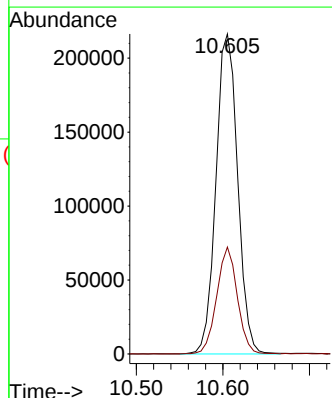
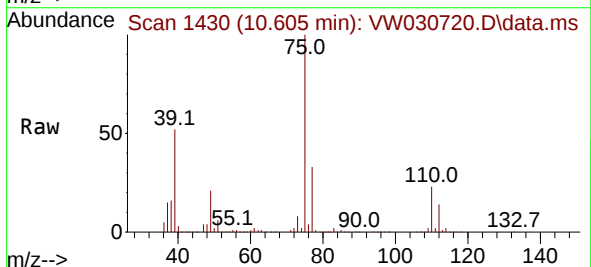
Acq: 23 Oct 2024 13:17

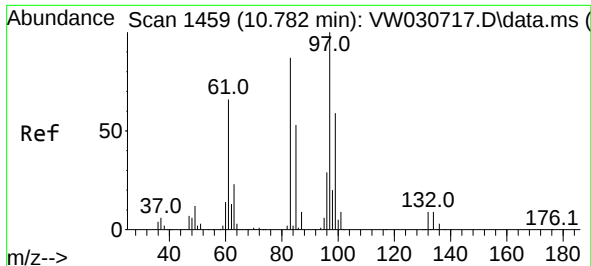
Tgt Ion: 75 Resp: 376358

Ion Ratio Lower Upper

75 100

77 33.4 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 53.063 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 147174

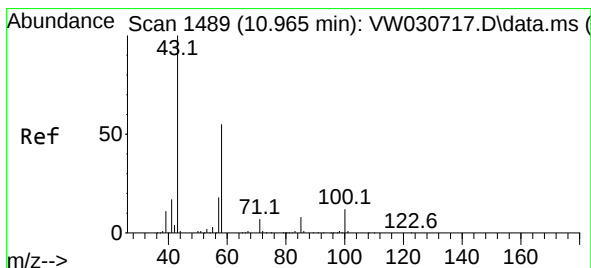
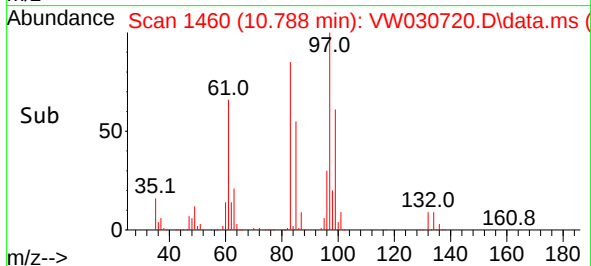
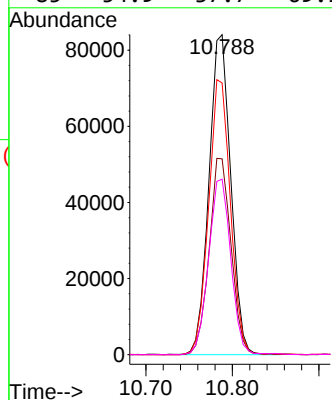
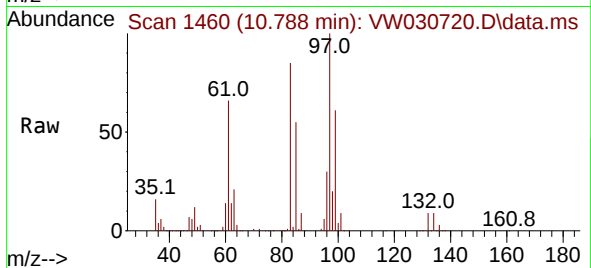
Ion Ratio Lower Upper

97 100

99 61.2 41.2 76.6

83 84.9 59.6 110.6

85 54.9 37.7 69.9



#48

2-Hexanone

Concen: 2.918 ug/L

RT: 10.928 min Scan# 1483

Delta R.T. -0.037 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Tgt Ion: 43 Resp: 4400

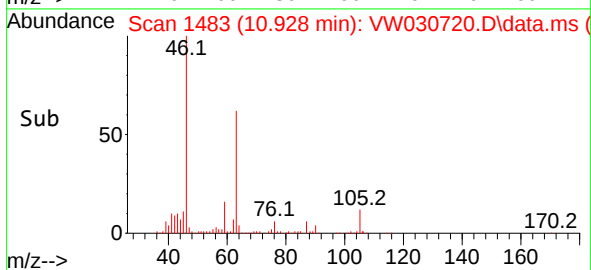
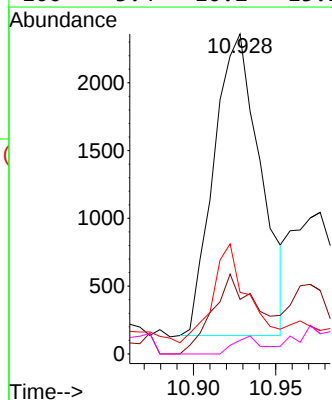
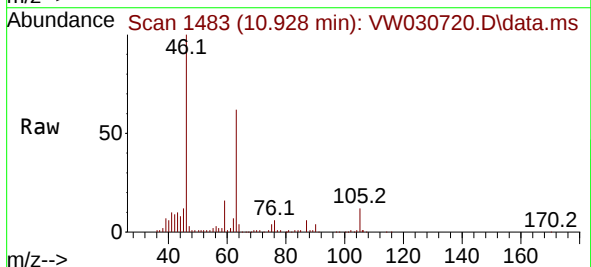
Ion Ratio Lower Upper

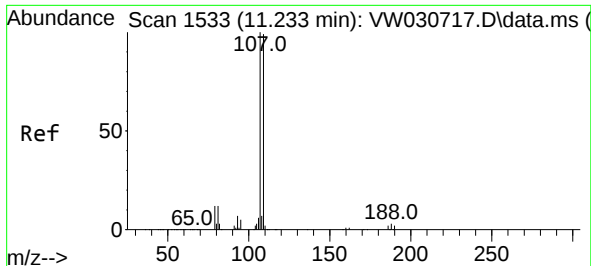
43 100

58 24.4 44.6 67.0#

57 24.8 15.8 23.8#

100 3.4 10.2 15.2#





#50

1,2-Dibromoethane

Concen: 49.522 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

ClientSampleId :

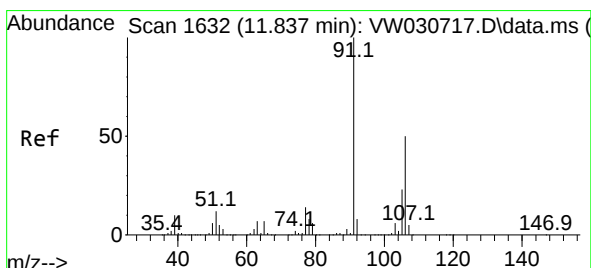
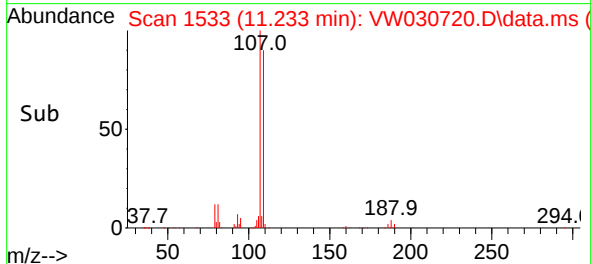
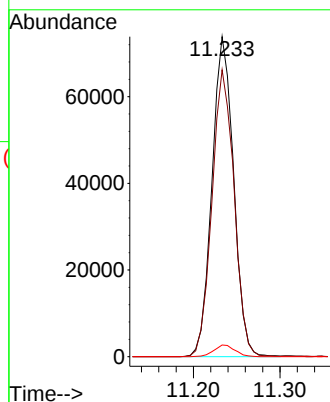
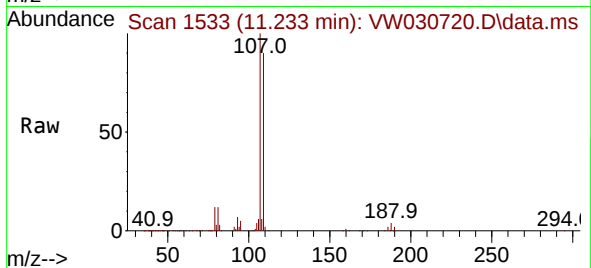
Tgt Ion:107 Resp: 128166

Ion Ratio Lower Upper

107 100

109 89.6 63.8 118.6

188 3.7 2.6 3.8



#53

m,p-Xylene

Concen: 50.768 ug/L

RT: 11.831 min Scan# 1631

Delta R.T. -0.006 min

Lab File: VW030720.D

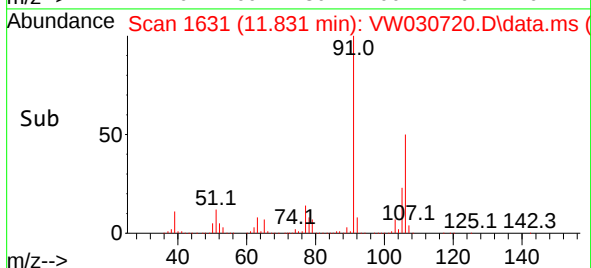
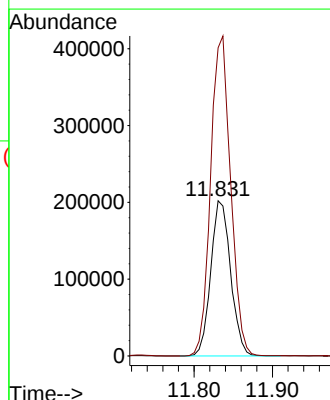
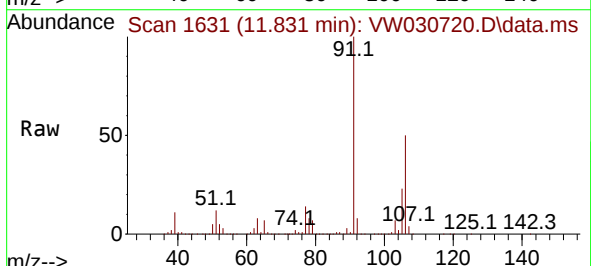
Acq: 23 Oct 2024 13:17

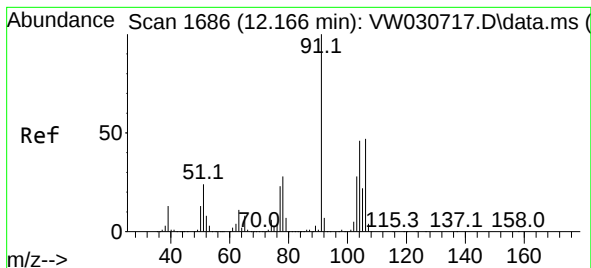
Tgt Ion:106 Resp: 355775

Ion Ratio Lower Upper

106 100

91 198.6 140.6 261.2





#54

o-Xylene

Concen: 68.745 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

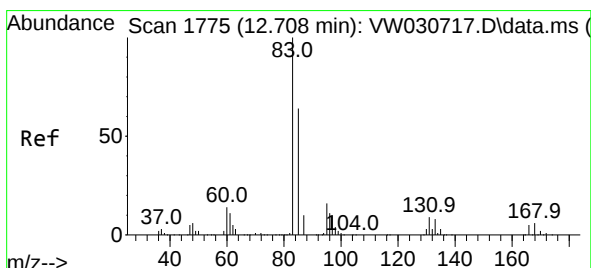
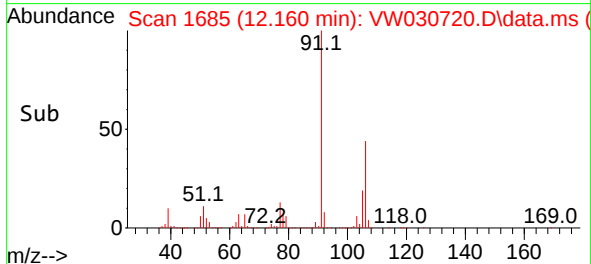
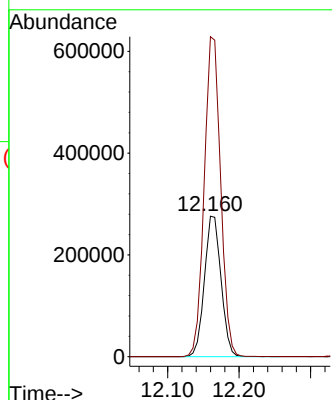
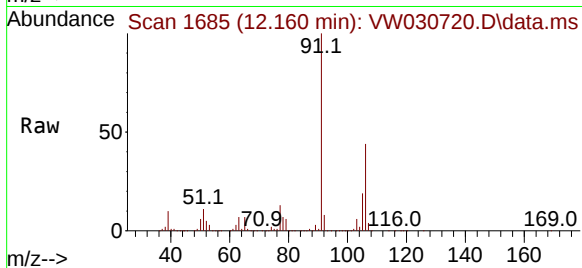
ClientSampleId :

Tgt Ion:106 Resp: 445388

Ion Ratio Lower Upper

106 100

91 227.7 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 53.956 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

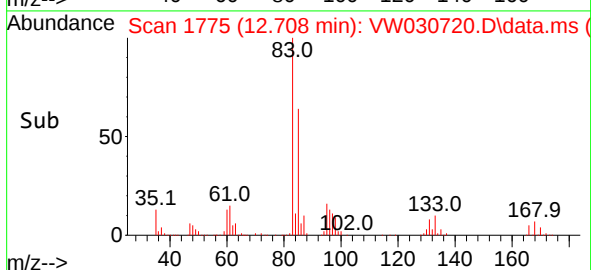
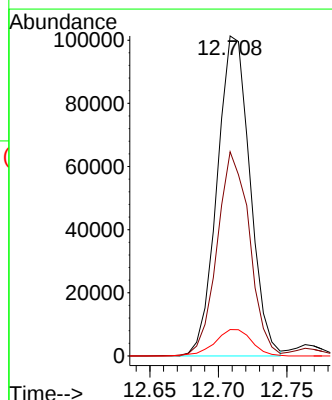
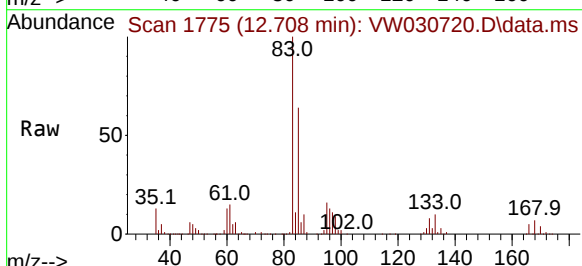
Tgt Ion: 83 Resp: 168761

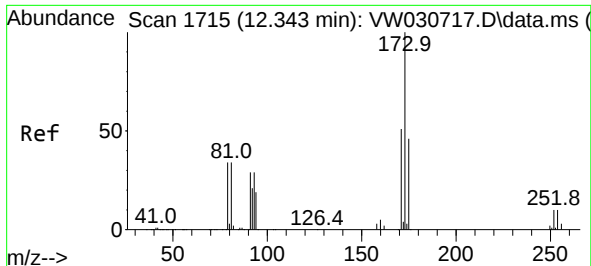
Ion Ratio Lower Upper

83 100

85 63.8 42.6 79.2

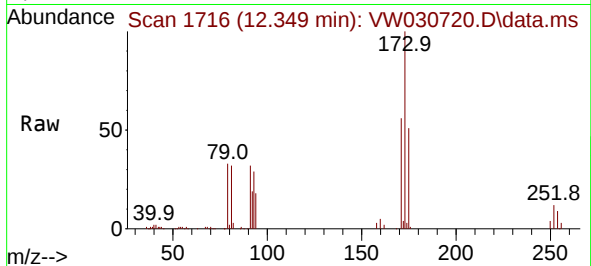
131 8.3 7.4 11.0



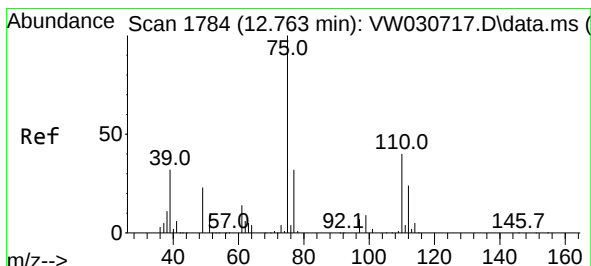
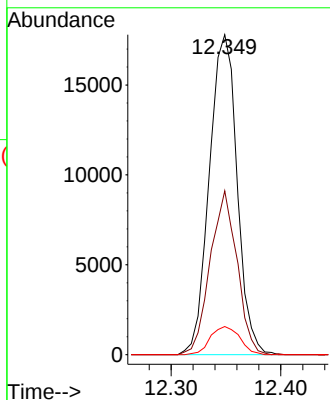
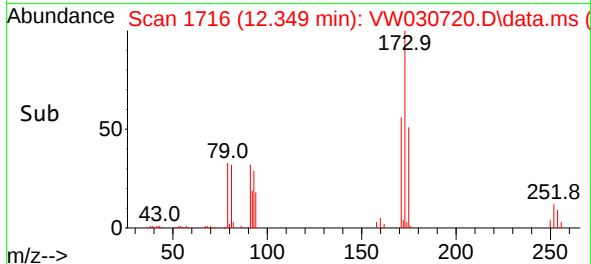


#59
Bromoform
Concen: 18.930 ug/L
RT: 12.349 min Scan# 1715
Delta R.T. 0.006 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

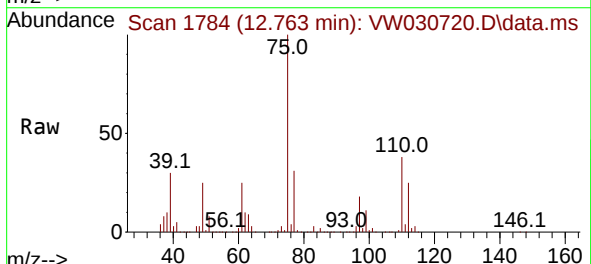
Instrument :
MSVOA_W
ClientSampleId :



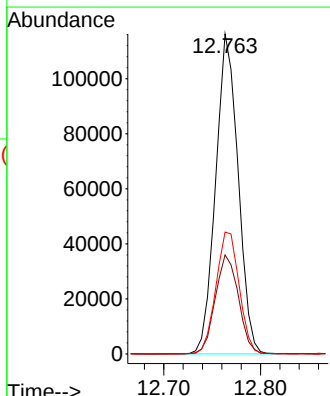
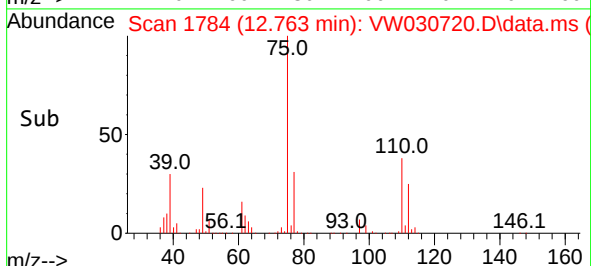
Tgt Ion:173 Resp: 31374
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.4
254 9.3 7.7 11.5

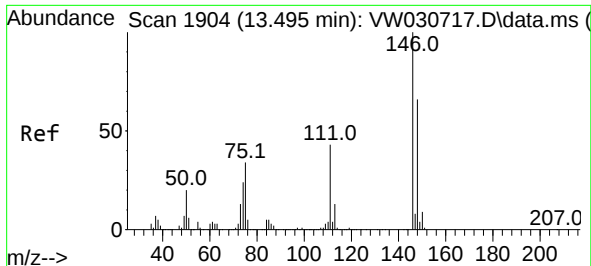


#61
1,2,3-Trichloropropane
Concen: 81.660 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17



Tgt Ion: 75 Resp: 187448
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 39.5 32.3 48.5





#64

1,3-Dichlorobenzene

Concen: 39.593 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

ClientSampleId :

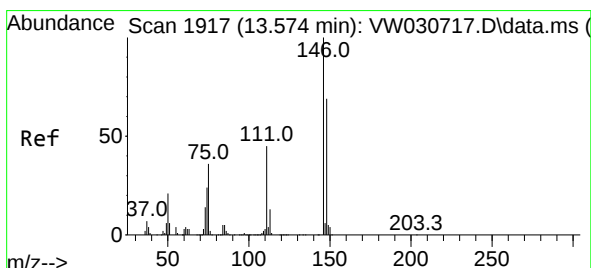
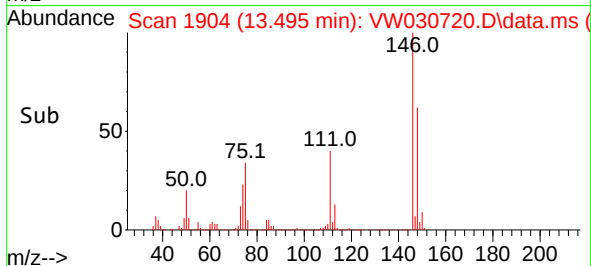
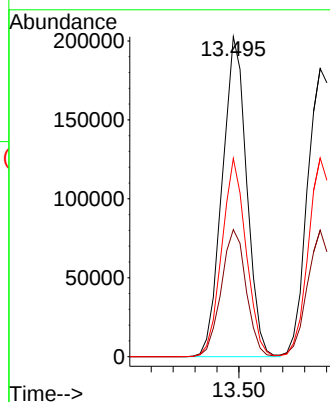
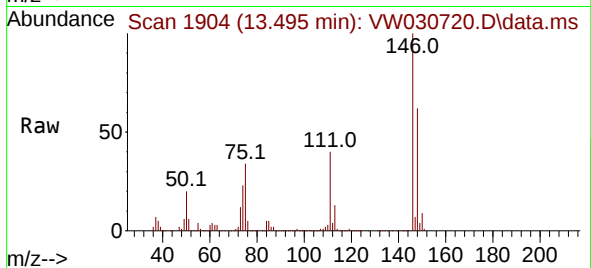
Tgt Ion:146 Resp: 314833

Ion Ratio Lower Upper

146 100

111 39.7 31.2 58.0

148 62.0 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 37.973 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

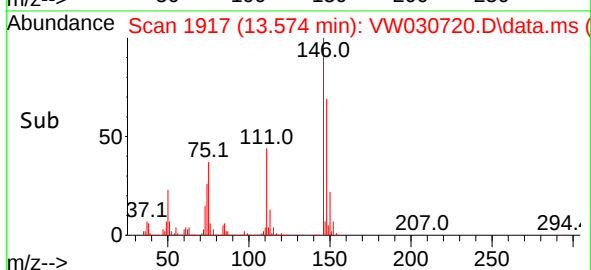
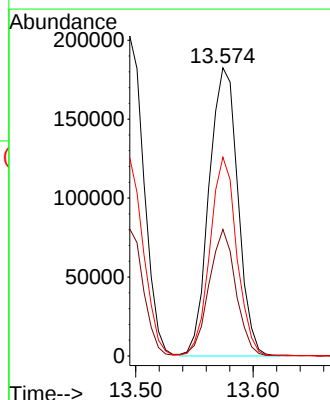
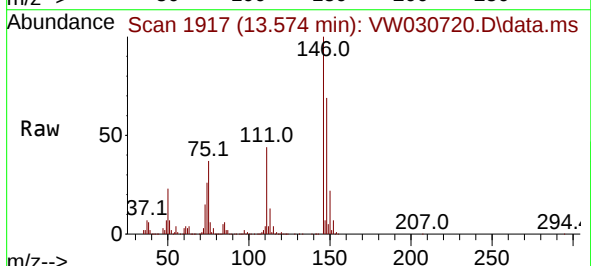
Tgt Ion:146 Resp: 311786

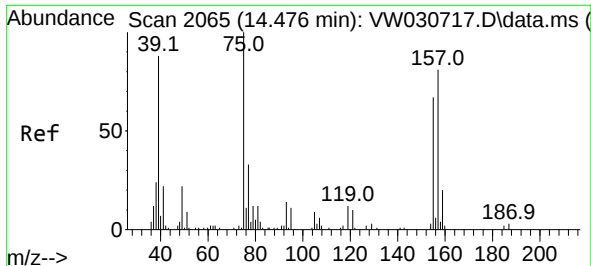
Ion Ratio Lower Upper

146 100

111 43.9 26.8 49.8

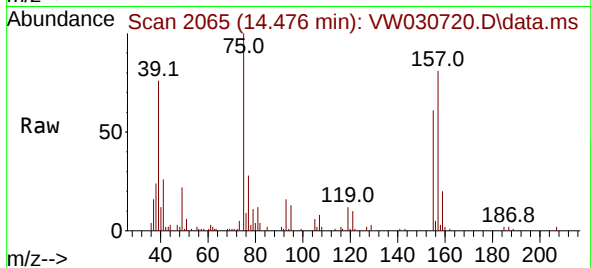
148 68.9 41.0 76.2



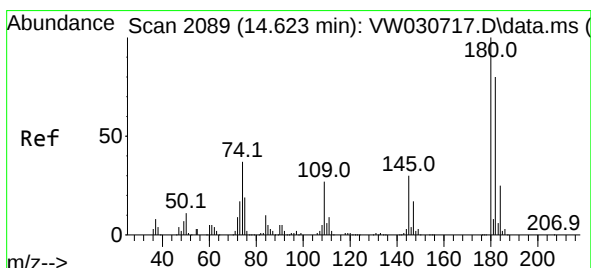
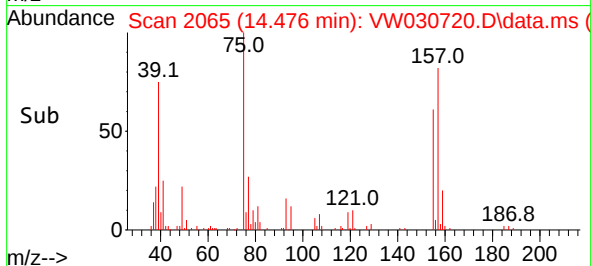
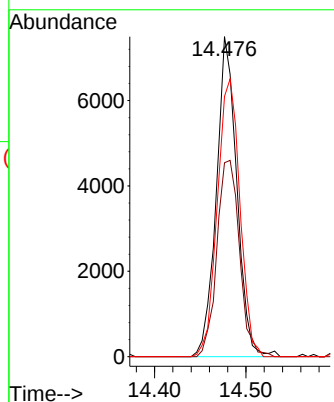


#68
1,2-Dibromo-3-chloropropane
Concen: 22.828 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Instrument :
MSVOA_W
ClientSampleId :

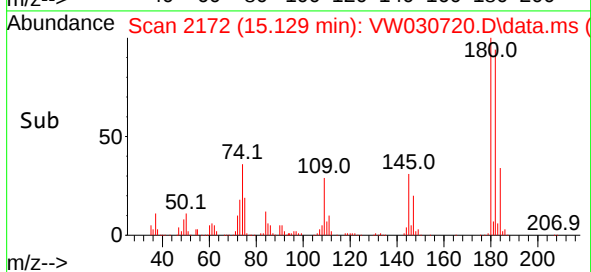
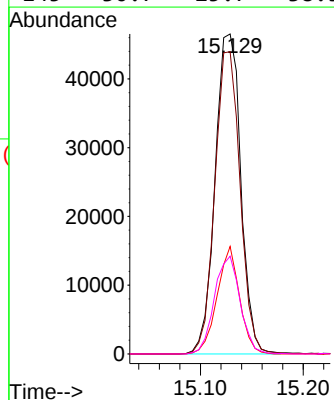
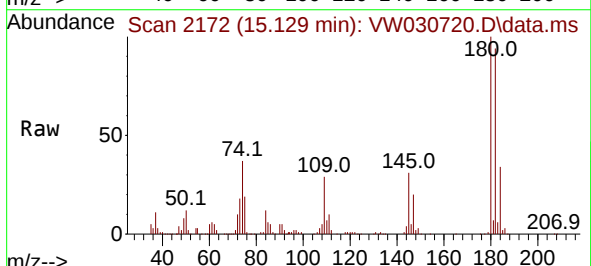


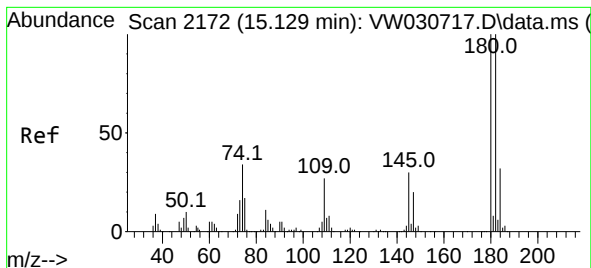
Tgt Ion: 75 Resp: 11684
Ion Ratio Lower Upper
75 100
155 60.6 57.9 86.9
157 81.3 69.0 103.6



#69
1,3,5-Trichlorobenzene
Concen: 15.398 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.506 min
Lab File: VW030720.D
Acq: 23 Oct 2024 13:17

Tgt Ion: 180 Resp: 80740
Ion Ratio Lower Upper
180 100
182 93.0 79.9 119.9
184 29.3 25.2 37.8
145 30.7 25.7 38.5





#70

1,2,4-trichlorobenzene

Concen: 19.127 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Instrument :

MSVOA_W

ClientSampleId :

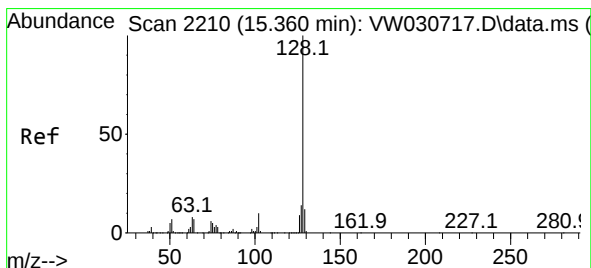
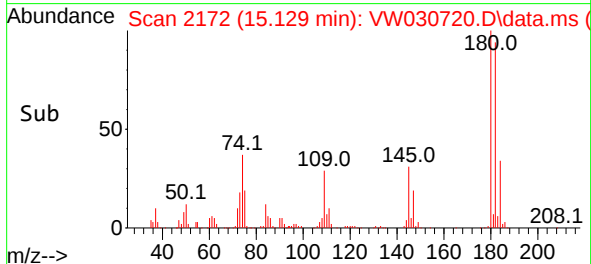
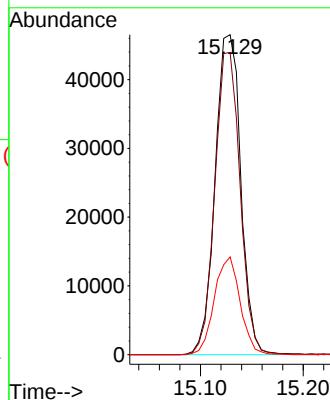
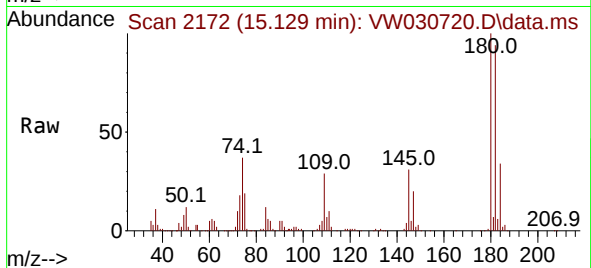
Tgt Ion:180 Resp: 80740

Ion Ratio Lower Upper

180 100

182 93.0 75.2 112.8

145 30.7 25.4 38.2



#71

Naphthalene

Concen: 78.636 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW030720.D

Acq: 23 Oct 2024 13:17

Tgt Ion:128 Resp: 573501

Ion Ratio Lower Upper

128 100

127 13.1 10.9 16.3

129 10.7 8.8 13.2

