

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
 Data File : VW030702.D
 Acq On : 22 Oct 2024 14:43
 Operator : SY/MD
 Sample : P4476-05DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 01:38:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 23 01:34:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	282849	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	260286	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	129099	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	62126	13.974	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.880%
7) Chloroethane-d5	2.899	69	57487	17.082	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.320%
11) 1,1-Dichloroethene-d2	4.021	65	29019	15.693	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.760%
21) 2-Butanone-d5	7.075	46	36421	45.520	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.040%
24) Chloroform-d	7.648	84	166487	20.582	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.320%
26) 1,2-Dichloroethane-d4	8.173	65	83	0.020	ug/L	-0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.080%#
32) Benzene-d6	8.276	84	268827	17.795	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.160%
36) 1,2-Dichloropropane-d6	9.270	67	87798	19.801	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.200%
41) Toluene-d8	10.318	98	260678	18.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	10.575	79	35125	18.918	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.680%
47) 2-Hexanone-d5	10.922	63	26997	47.272	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.540%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	72248	22.187	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.760%
66) 1,2-Dichlorobenzene-d4	13.848	152	83788	19.181	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.720%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.039	96	80248	21.147	ug/L	94
13) Acetone	4.118	43	32942	28.123	ug/L	97
16) Methylene chloride	4.917	84	179036	41.869	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	64074	15.647	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	129493	22.595	ug/L	100
19) 1,1-Dichloroethane	6.222	63	355545	46.717	ug/L	99
22) 2-Butanone	7.167	43	117450	93.018	ug/L	94
25) Chloroform	7.679	83	376360	46.275	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	2811	0.407	ug/L	93
31) Carbon tetrachloride	8.075	117	52251	8.467	ug/L	98
33) Benzene	8.325	78	574080	33.893	ug/L	100
34) Trichloroethene	9.093	95	227001	48.172	ug/L	94
37) 1,2-Dichloropropane	9.367	63	80650	19.064	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	206856	32.417	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	155246	76.388	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	198269	36.976	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	77588	25.377	ug/L	96
50) 1,2-Dibromoethane	11.233	107	65980	23.127	ug/L	99
53) m,p-Xylene	11.836	106	192593	24.931	ug/L	96

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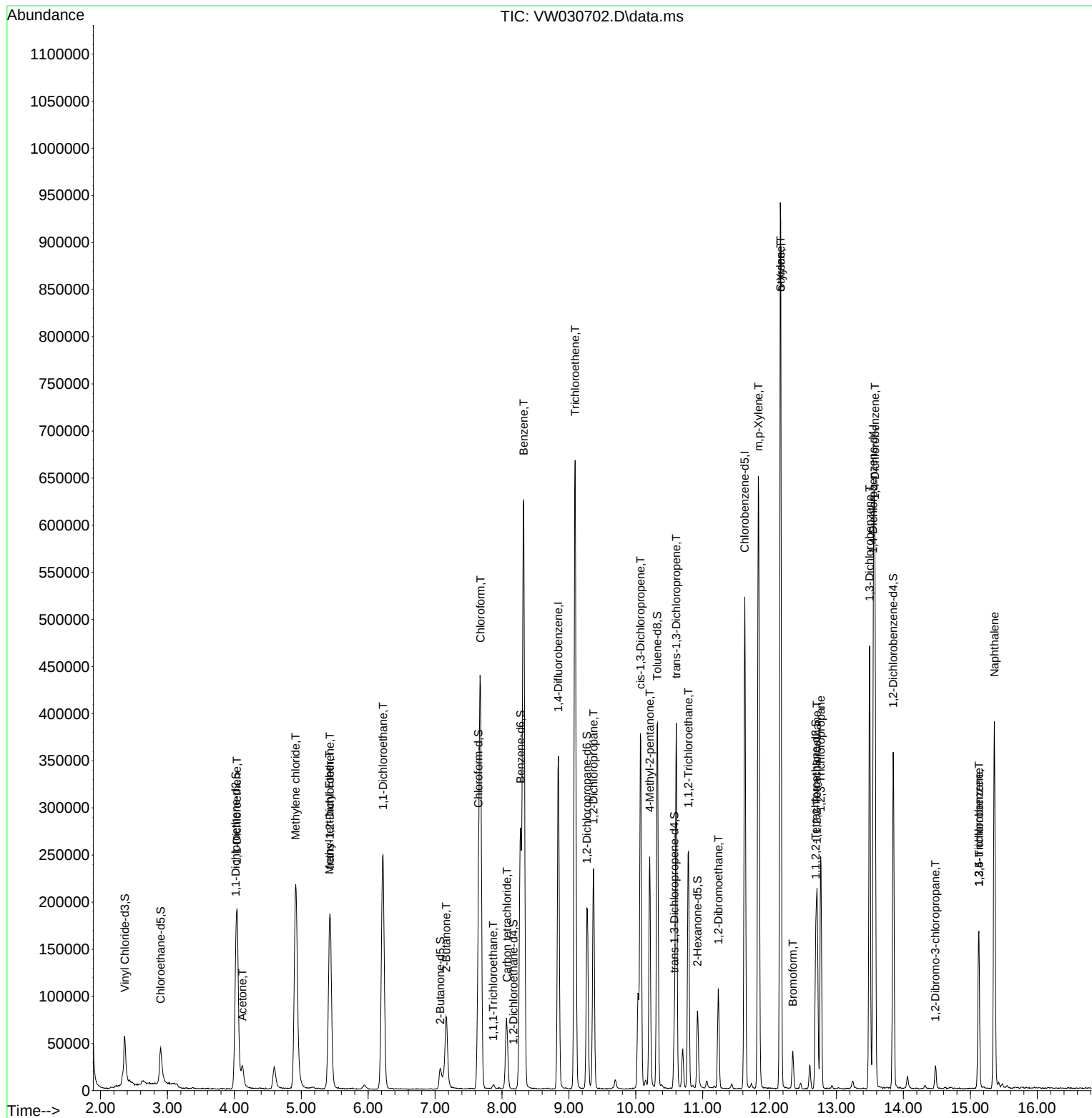
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.166	106	242774	33.993	ug/L	95
55) Styrene	12.166	104	13146	1.077	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	89201	25.872	ug/L	97
59) Bromoform	12.349	173	15105	8.328	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	98016	39.017	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	178992	20.568	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	176400	19.631	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	6131	10.945	ug/L	95
69) 1,3,5-Trichlorobenzene	15.129	180	50241	8.755	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	50241	10.875	ug/L	98
71) Naphthalene	15.360	128	310310	38.879	ug/L	99

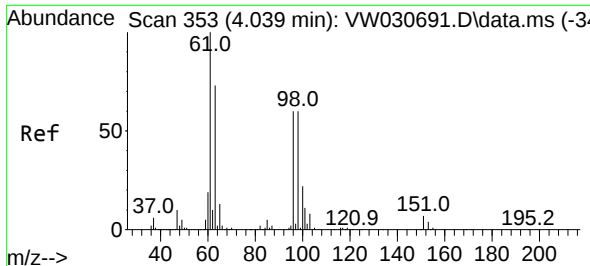
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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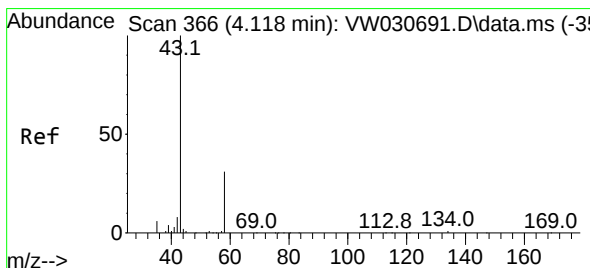
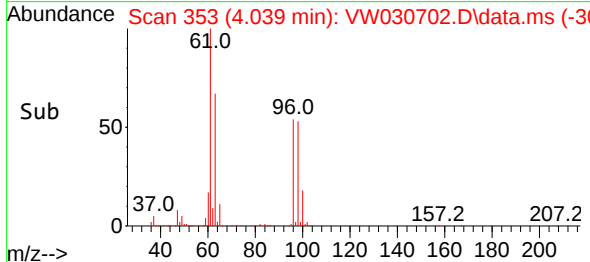
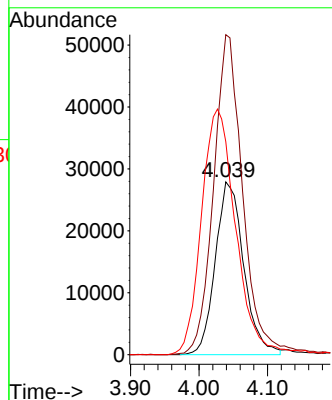
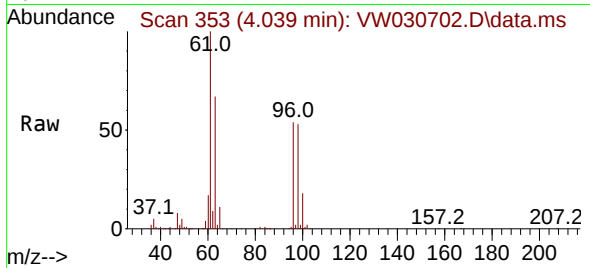




#12
1,1-Dichloroethene
Concen: 21.147 ug/L
RT: 4.039 min Scan# 353
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

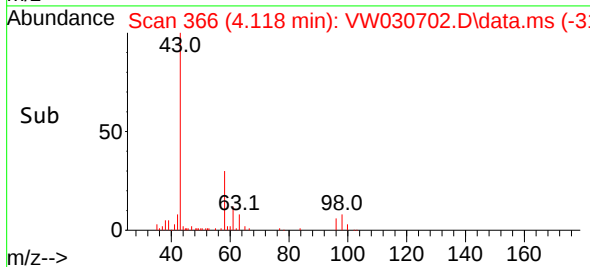
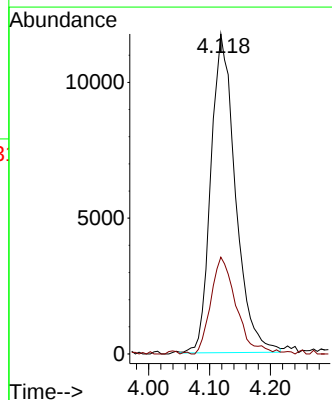
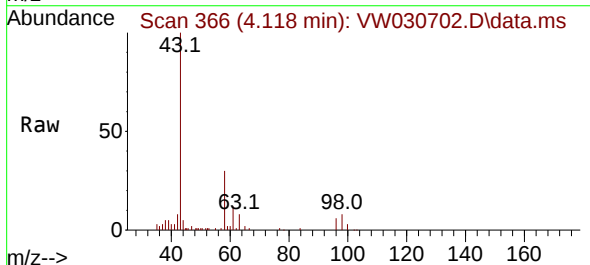
Instrument :
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ClientSampleId :

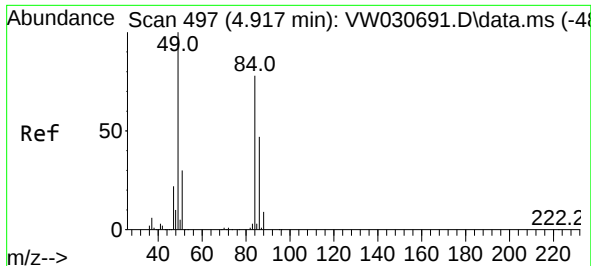
Tgt Ion: 96 Resp: 80248
Ion Ratio Lower Upper
96 100
61 185.2 121.3 225.3
63 123.3 87.6 162.8



#13
Acetone
Concen: 28.123 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

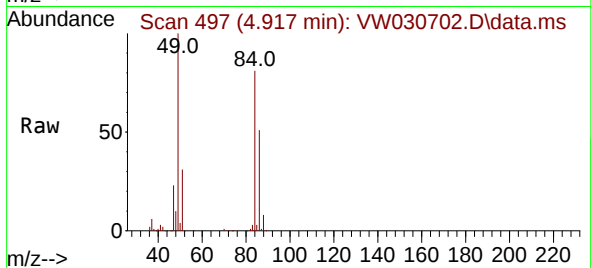
Tgt Ion: 43 Resp: 32942
Ion Ratio Lower Upper
43 100
58 30.3 0.0 57.6



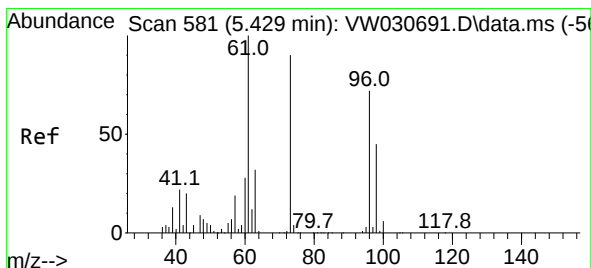
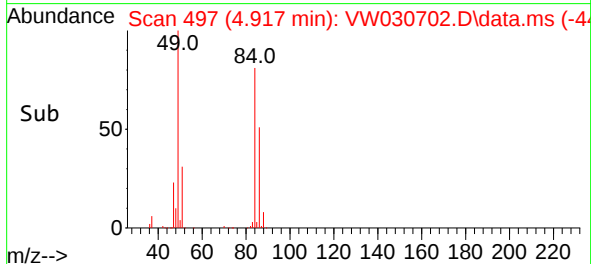
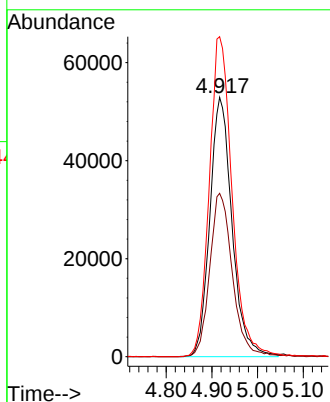


#16
Methylene chloride
Concen: 41.869 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

Instrument :
MSVOA_W
ClientSampleId :

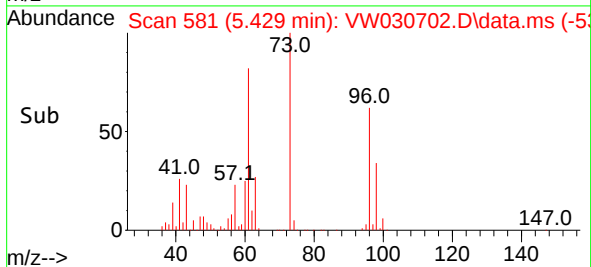
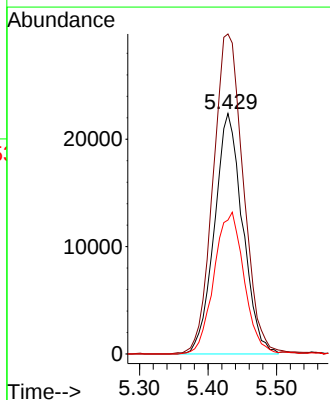
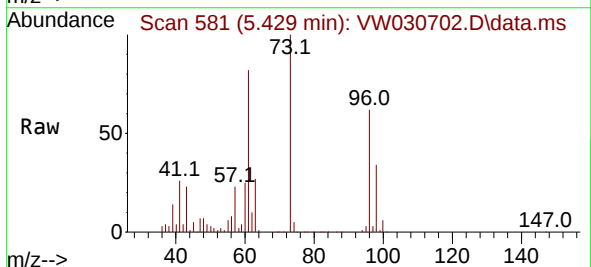


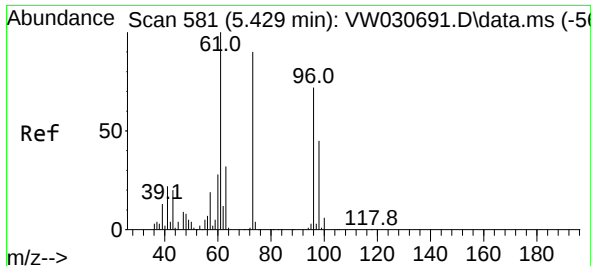
Tgt Ion: 84 Resp: 179036
Ion Ratio Lower Upper
84 100
86 63.0 43.8 81.3
49 123.4 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 15.647 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

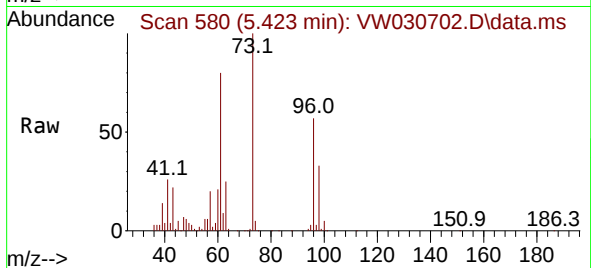
Tgt Ion: 96 Resp: 64074
Ion Ratio Lower Upper
96 100
61 133.1 96.9 179.9
98 55.7 42.2 78.4



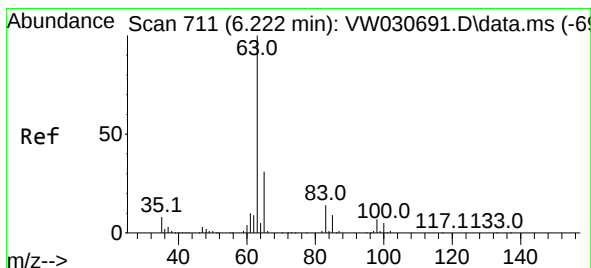
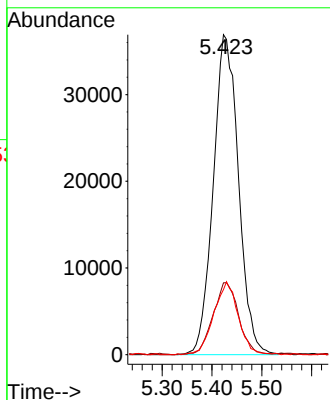
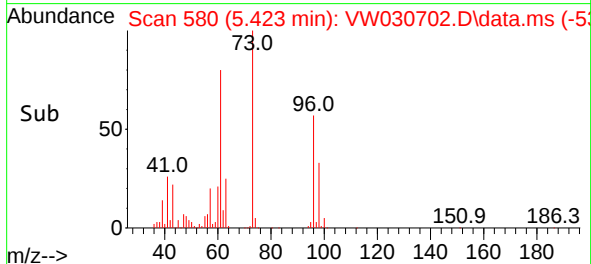


#18
Methyl tert-butyl Ether
Concen: 22.595 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

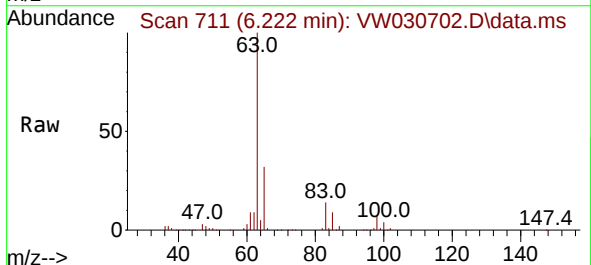
Instrument :
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ClientSampleId :



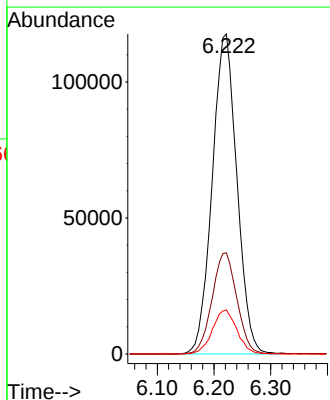
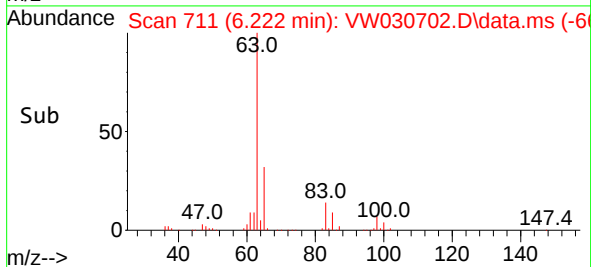
Tgt Ion: 73 Resp: 129493
Ion Ratio Lower Upper
73 100
43 22.4 18.1 27.1
57 22.1 17.7 26.5

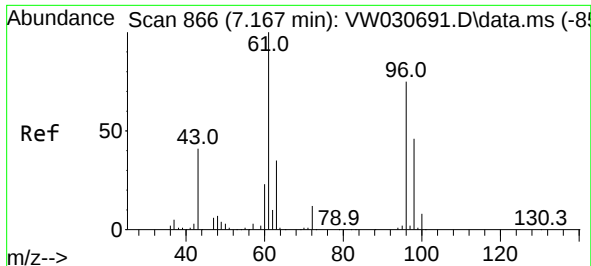


#19
1,1-Dichloroethane
Concen: 46.717 ug/L
RT: 6.222 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43



Tgt Ion: 63 Resp: 355545
Ion Ratio Lower Upper
63 100
65 31.6 22.5 41.9
83 13.8 9.8 18.2

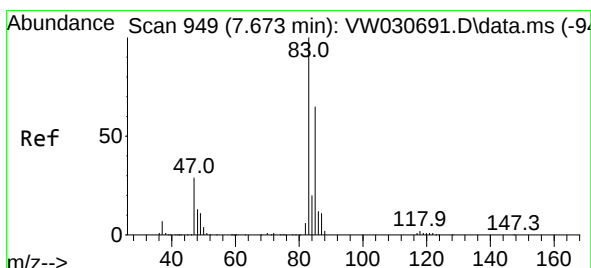
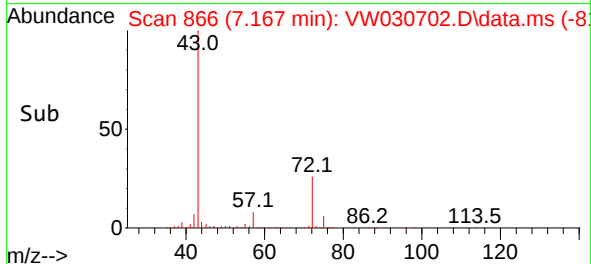
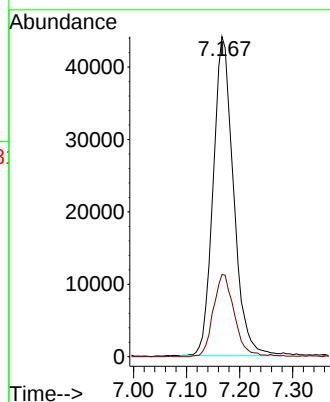
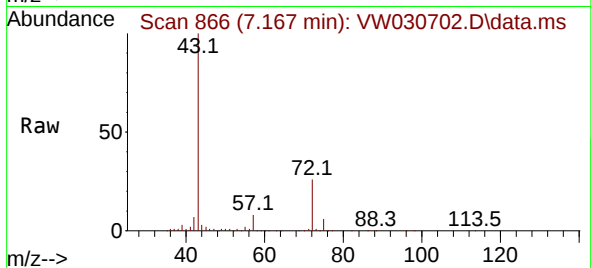




#22
2-Butanone
Concen: 93.018 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

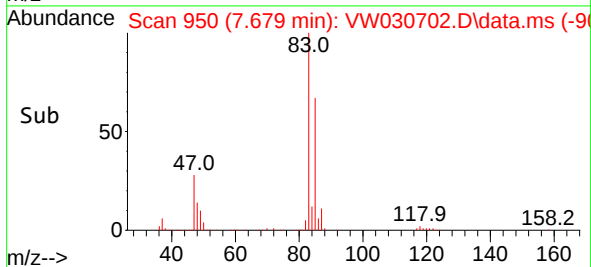
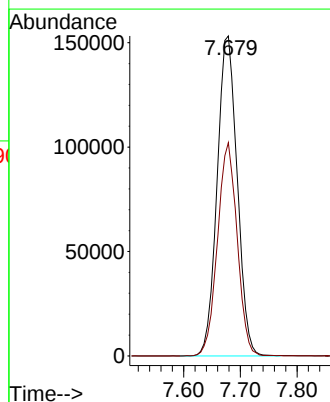
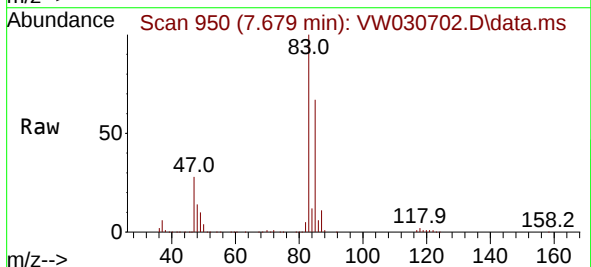
Instrument :
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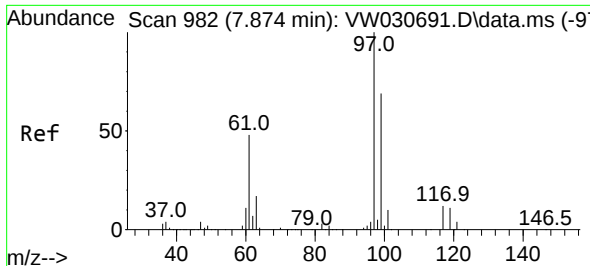
Tgt Ion: 43 Resp: 117450
Ion Ratio Lower Upper
43 100
72 25.4 14.4 43.0



#25
Chloroform
Concen: 46.275 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

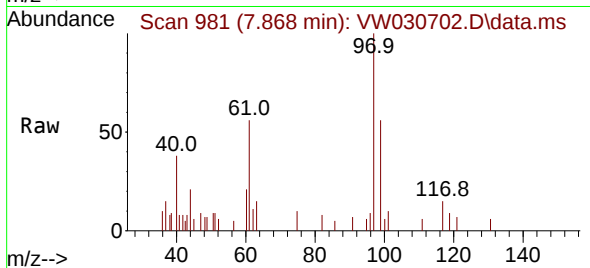
Tgt Ion: 83 Resp: 376360
Ion Ratio Lower Upper
83 100
85 66.7 45.1 83.7



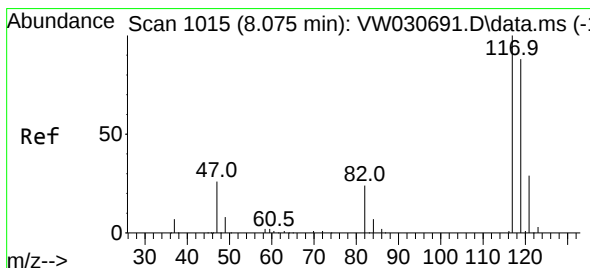
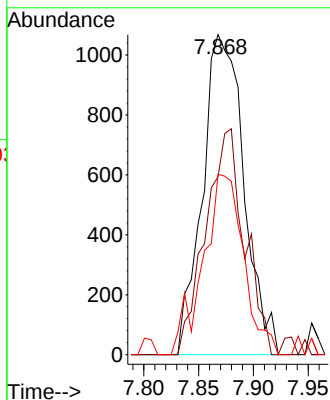
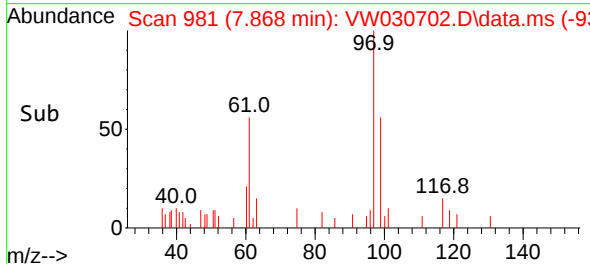


#30
1,1,1-Trichloroethane
Concen: 0.407 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW030702.D
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Instrument :
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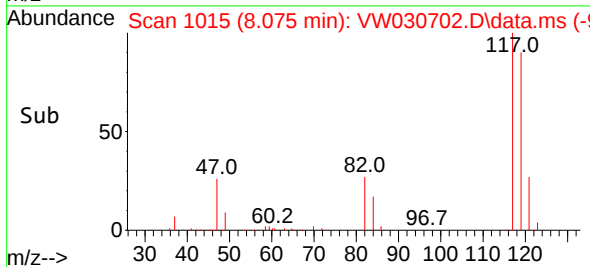
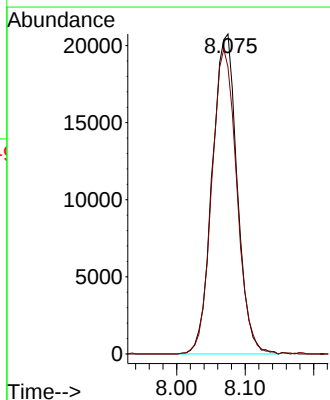
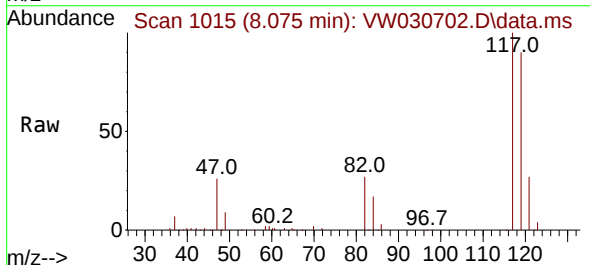


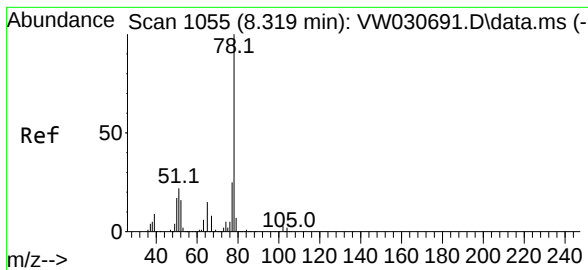
Tgt Ion: 97	Resp: 2811
Ion Ratio	Lower Upper
97 100	
99 57.3	52.3 78.5
61 50.3	38.5 57.7



#31
Carbon tetrachloride
Concen: 8.467 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

Tgt	Ion:117	Resp:	52251
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.8





#33

Benzene

Concen: 33.893 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW030702.D

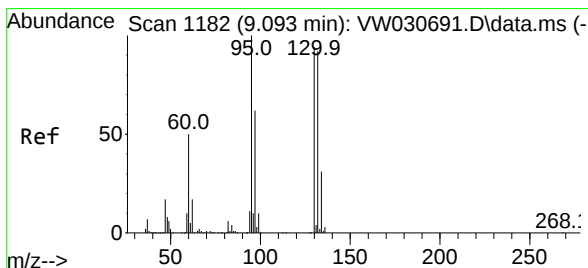
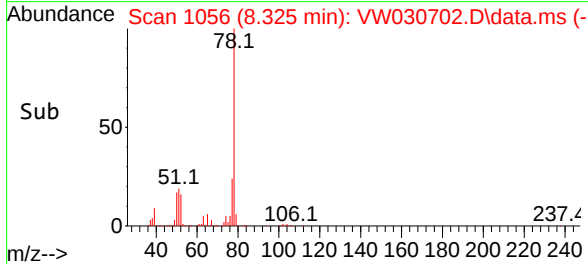
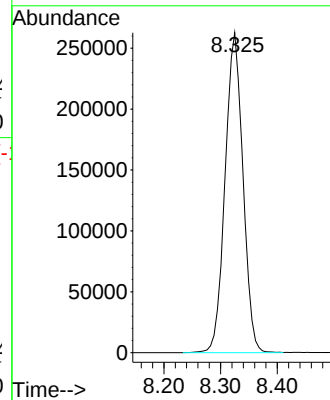
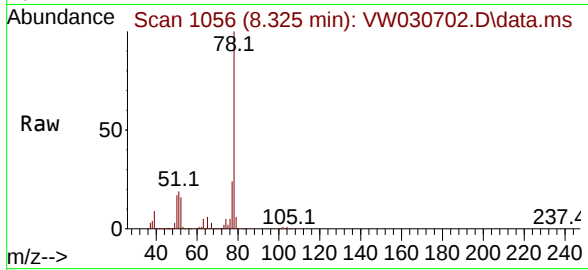
Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 574080



#34

Trichloroethene

Concen: 48.172 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Tgt Ion: 95 Resp: 227001

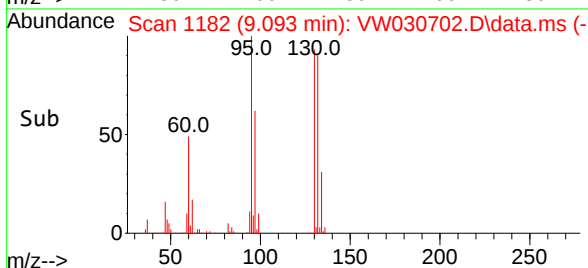
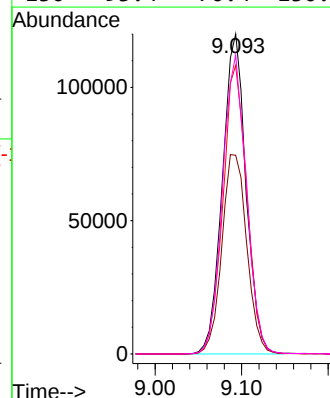
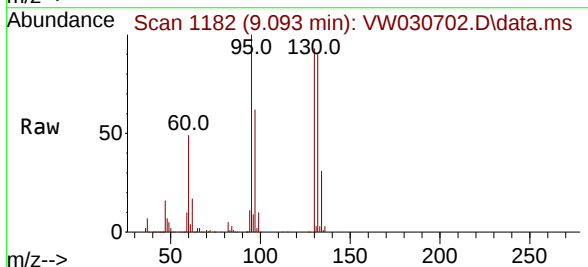
Ion Ratio Lower Upper

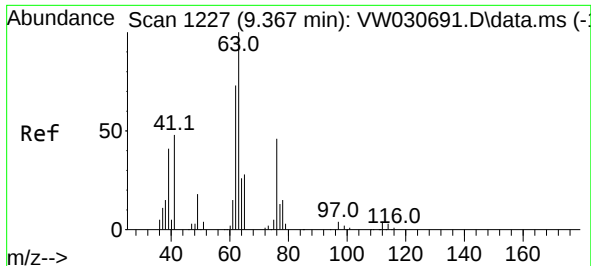
95 100

97 62.1 45.9 85.3

132 90.2 66.4 123.2

130 93.4 70.4 130.8





#37

1,2-Dichloropropane

Concen: 19.064 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

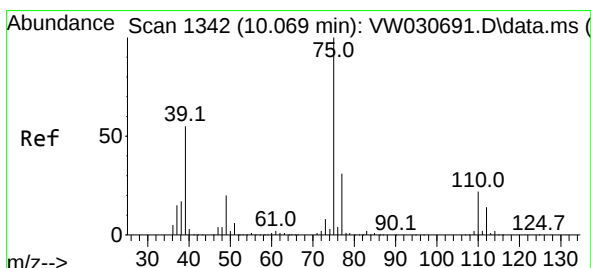
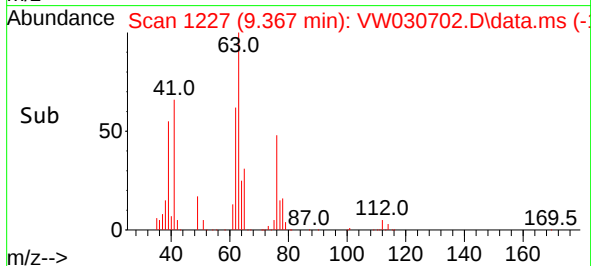
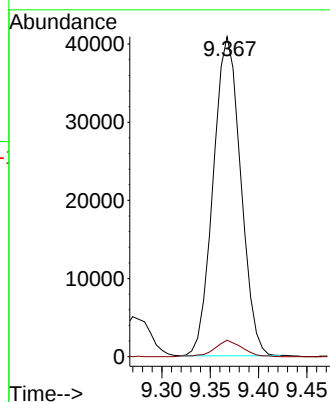
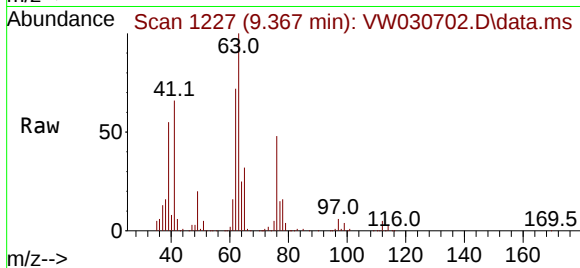
ClientSampleId :

Tgt Ion: 63 Resp: 80650

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



#39

cis-1,3-Dichloropropene

Concen: 32.417 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW030702.D

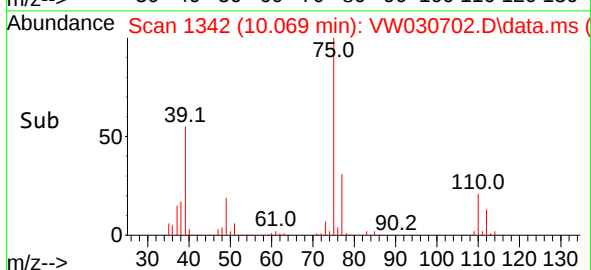
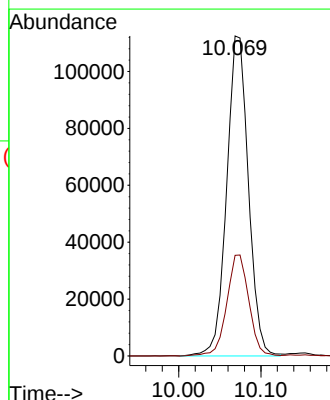
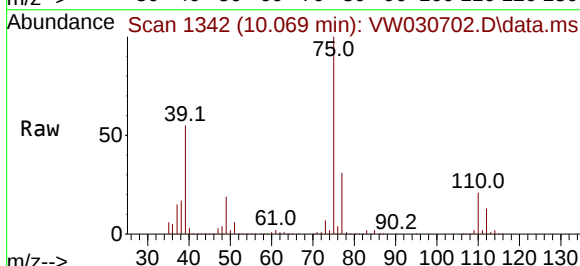
Acq: 22 Oct 2024 14:43

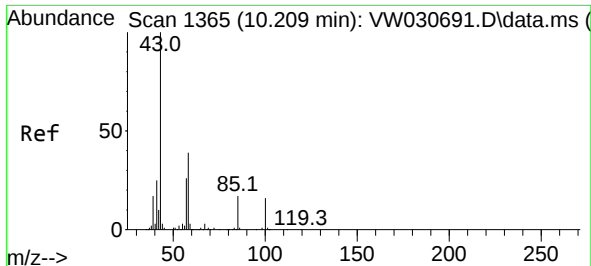
Tgt Ion: 75 Resp: 206856

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.1





#40

4-Methyl-2-pentanone

Concen: 76.388 ug/L

RT: 10.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

ClientSampleId :

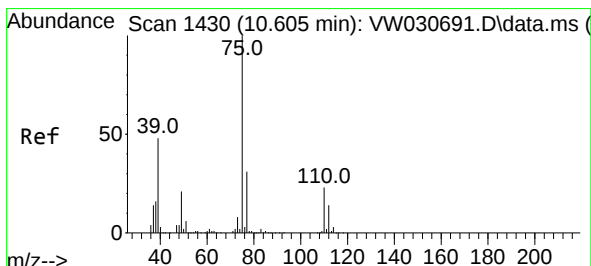
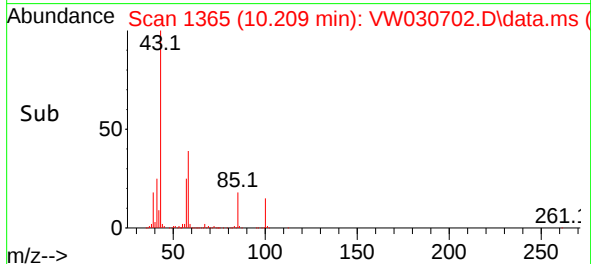
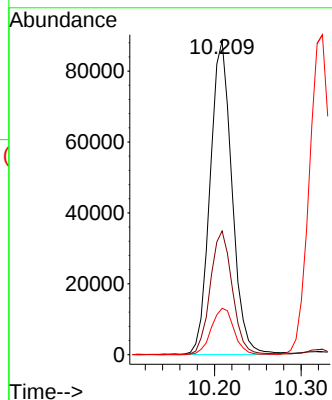
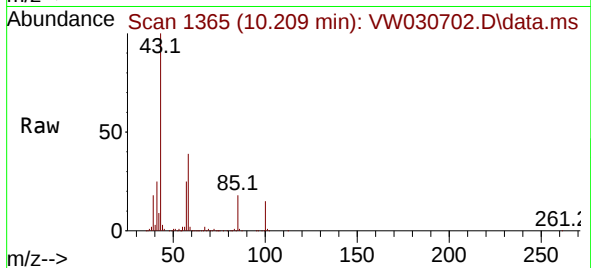
Tgt Ion: 43 Resp: 155246

Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.2

100 15.4 13.1 19.7



#44

trans-1,3-Dichloropropene

Concen: 36.976 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030702.D

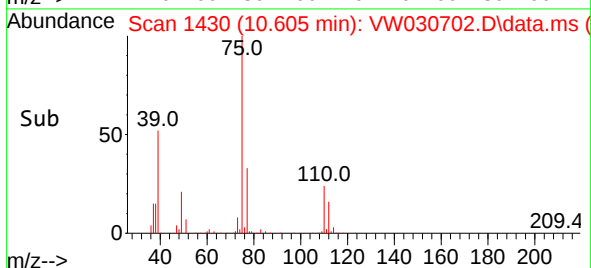
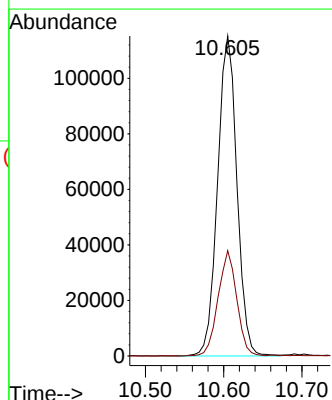
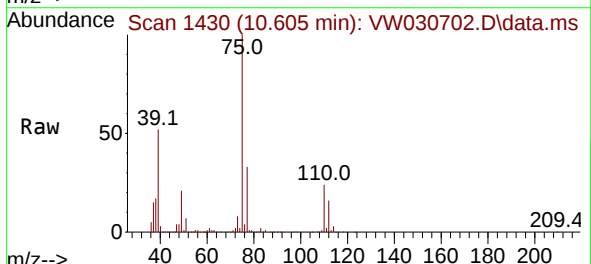
Acq: 22 Oct 2024 14:43

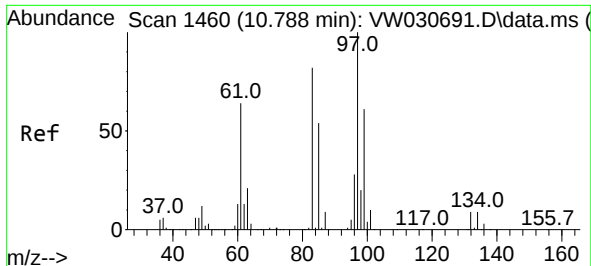
Tgt Ion: 75 Resp: 198269

Ion Ratio Lower Upper

75 100

77 32.9 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 25.377 ug/L

RT: 10.788 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 77588

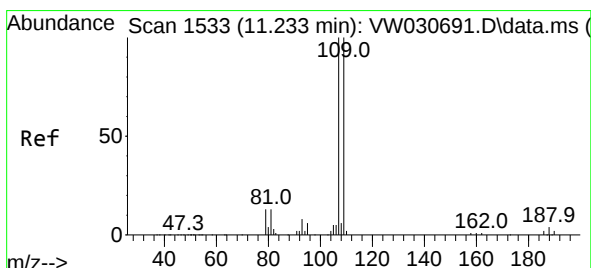
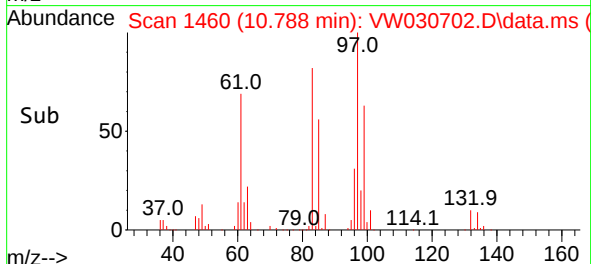
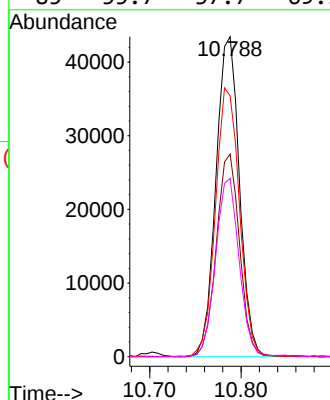
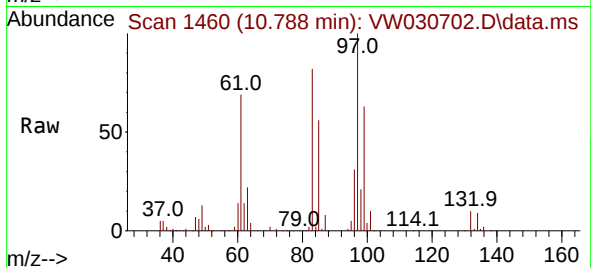
Ion Ratio Lower Upper

97 100

99 63.3 41.2 76.6

83 81.5 59.6 110.6

85 55.7 37.7 69.9



#50

1,2-Dibromoethane

Concen: 23.127 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

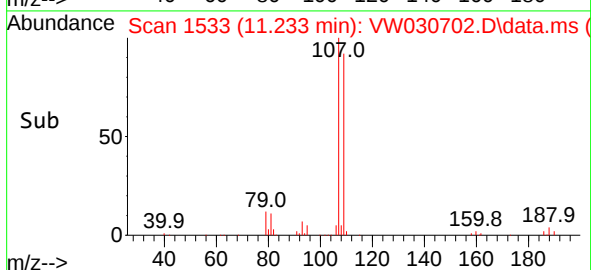
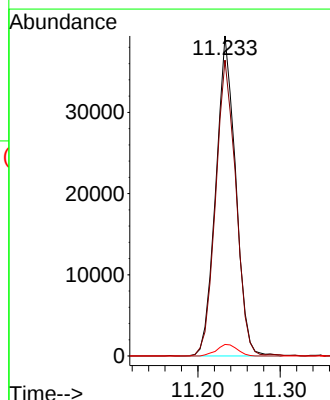
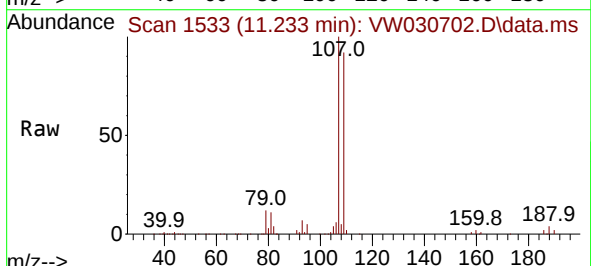
Tgt Ion:107 Resp: 65980

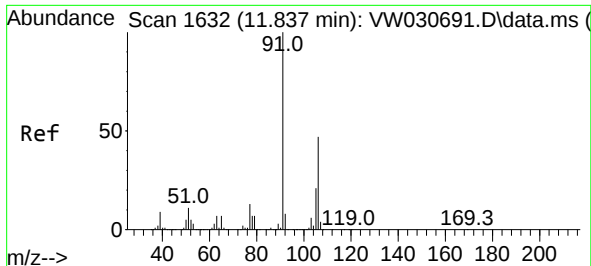
Ion Ratio Lower Upper

107 100

109 92.4 63.8 118.6

188 3.6 2.6 3.8

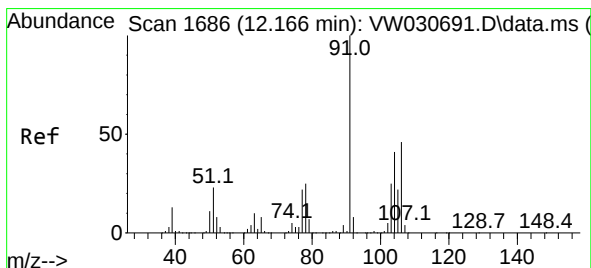
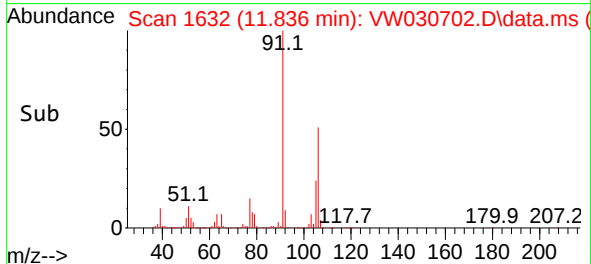
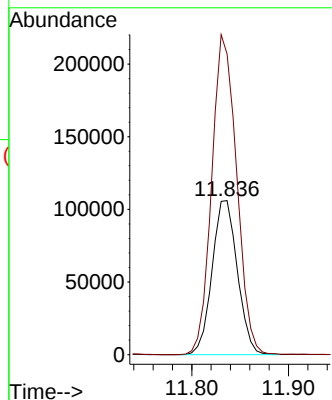
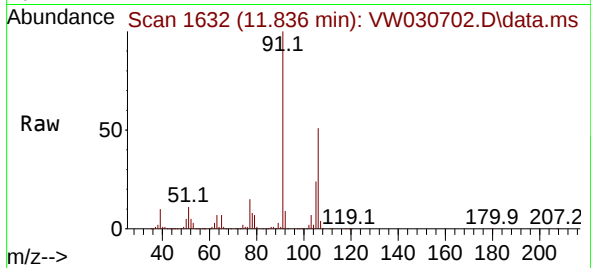




#53
m,p-Xylene
Concen: 24.931 ug/L
RT: 11.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

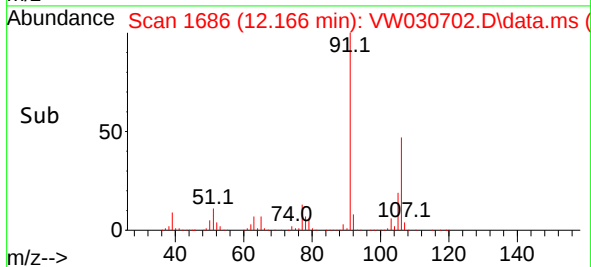
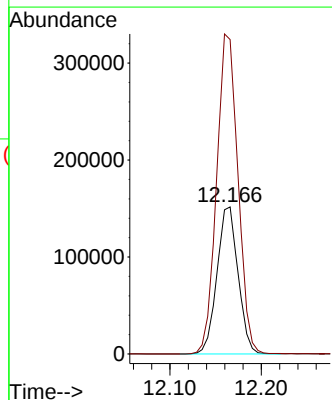
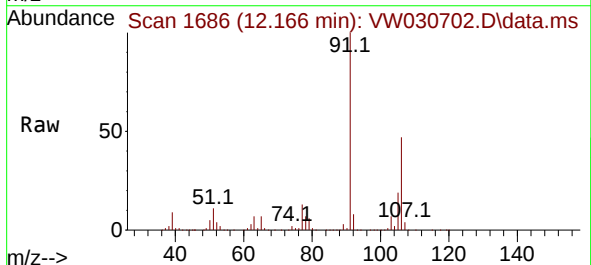
Instrument :
MSVOA_W
ClientSampleId :

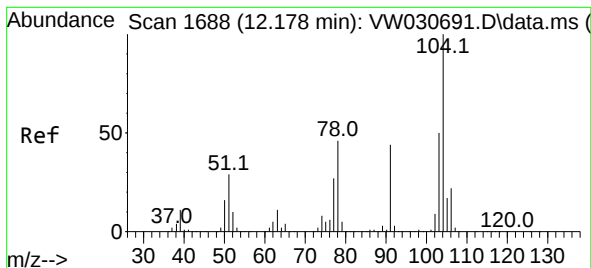
Tgt Ion:106 Resp: 192593
Ion Ratio Lower Upper
106 100
91 195.0 140.6 261.2



#54
o-Xylene
Concen: 33.993 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

Tgt Ion:106 Resp: 242774
Ion Ratio Lower Upper
106 100
91 213.8 144.5 268.4





#55

Styrene

Concen: 1.077 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

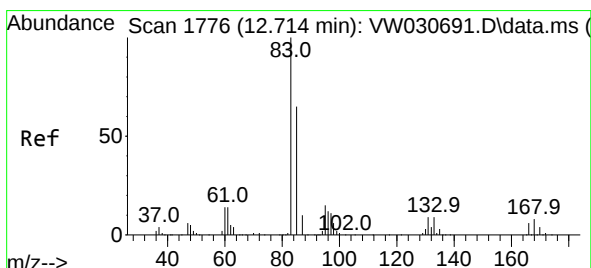
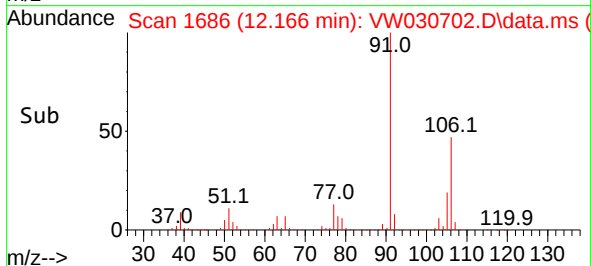
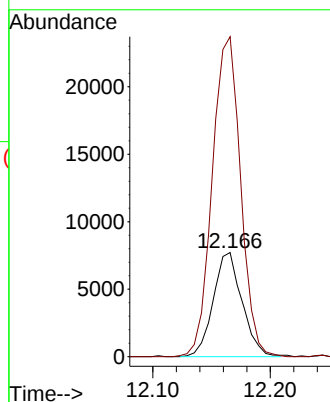
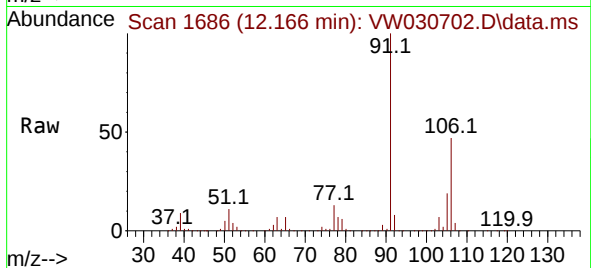
ClientSampleId :

Tgt Ion:104 Resp: 13146

Ion Ratio Lower Upper

104 100

78 307.1 34.3 63.7#



#57

1,1,2,2-Tetrachloroethane

Concen: 25.872 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

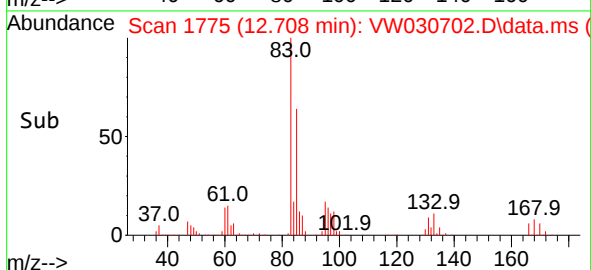
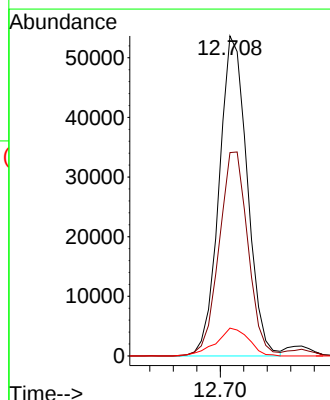
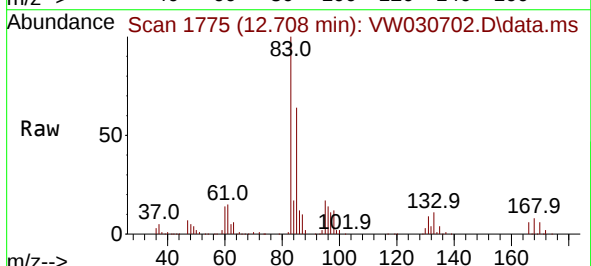
Tgt Ion: 83 Resp: 89201

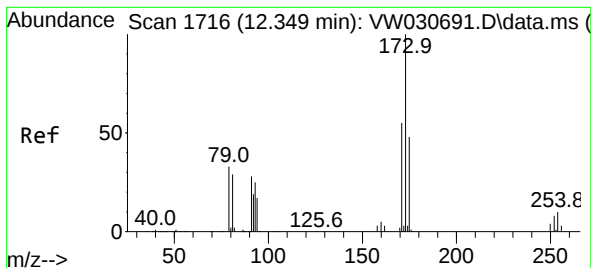
Ion Ratio Lower Upper

83 100

85 63.6 42.6 79.2

131 8.7 7.4 11.0





#59

Bromoform

Concen: 8.328 ug/L

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

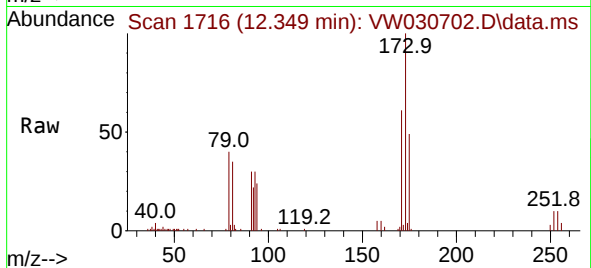
Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

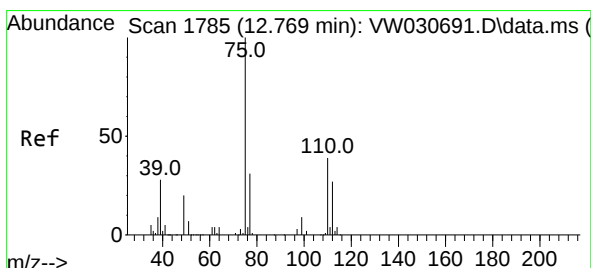
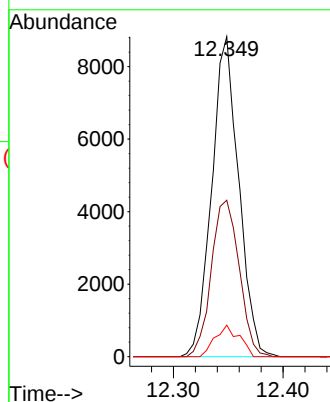
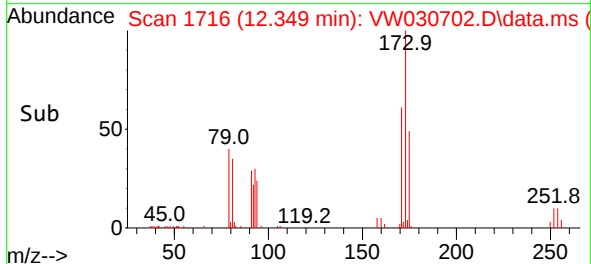
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	173	Resp:	15105
Ion Ratio	Lower	Upper	
173	100		
175	50.4	39.0	58.4
254	8.8	7.7	11.5



#61

1,2,3-Trichloropropane

Concen: 39.017 ug/L

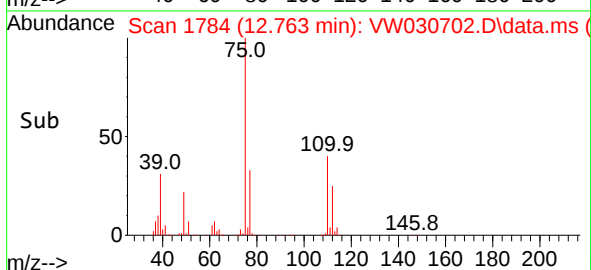
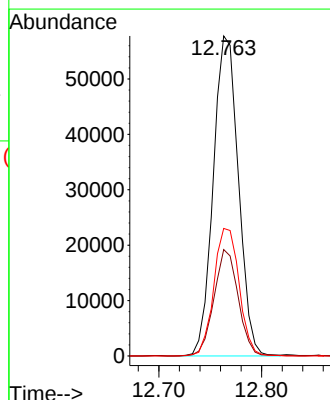
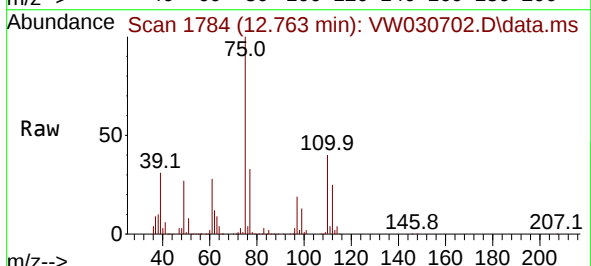
RT: 12.763 min Scan# 1784

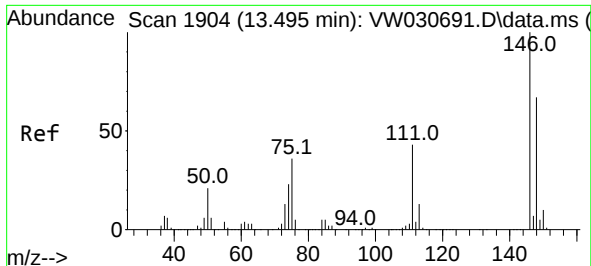
Delta R.T. -0.006 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Tgt Ion:	75	Resp:	98016
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.7	38.5
110	40.0	32.3	48.5

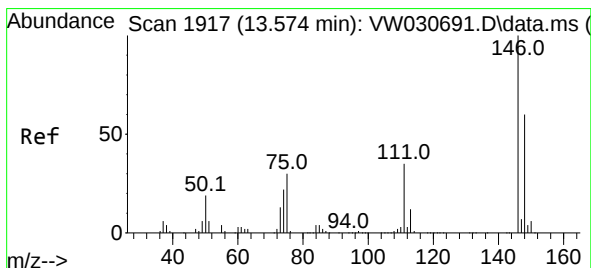
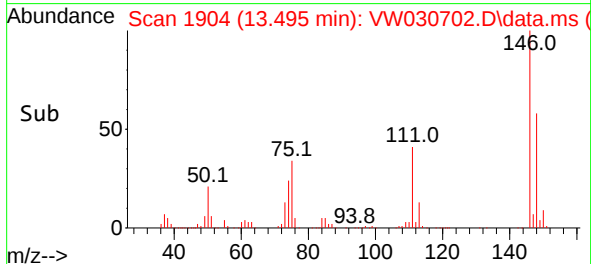
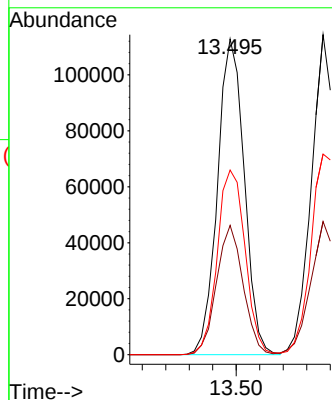
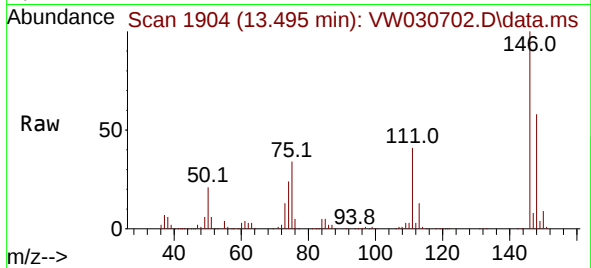




#64
1,3-Dichlorobenzene
Concen: 20.568 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

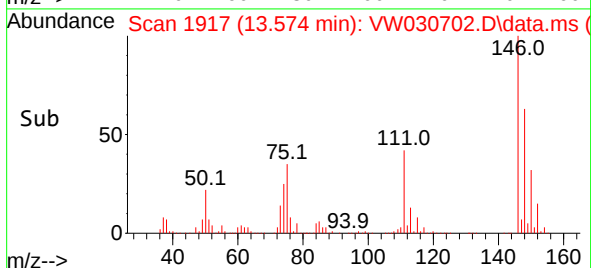
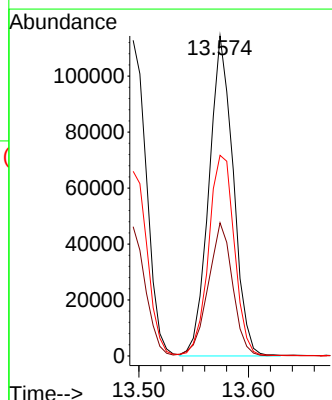
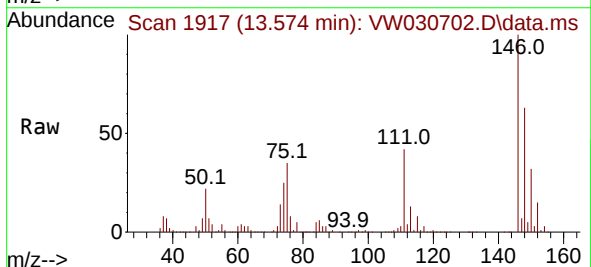
Instrument :
MSVOA_W
ClientSampleId :

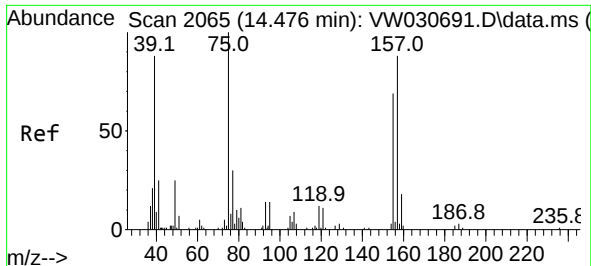
Tgt Ion:146 Resp: 178992
Ion Ratio Lower Upper
146 100
111 41.0 31.2 58.0
148 58.5 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 19.631 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

Tgt Ion:146 Resp: 176400
Ion Ratio Lower Upper
146 100
111 41.6 26.8 49.8
148 62.7 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 10.945 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Instrument :

MSVOA_W

ClientSampleId :

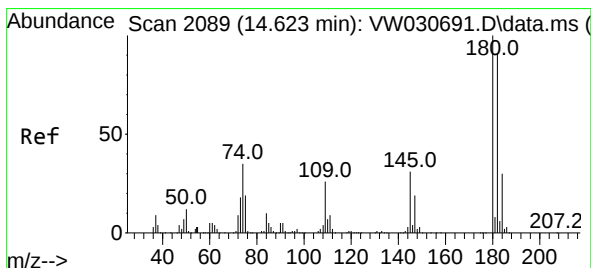
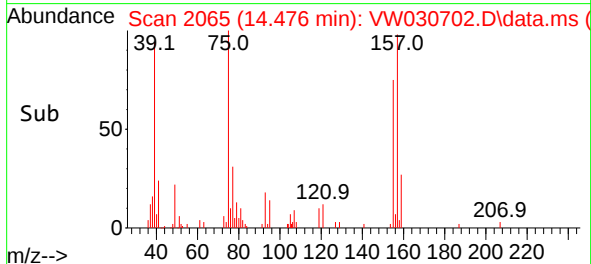
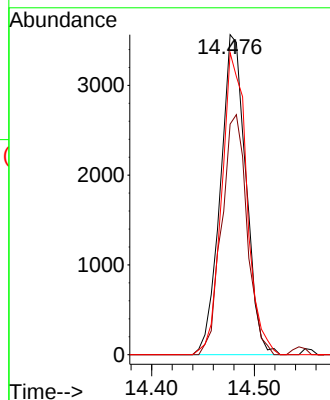
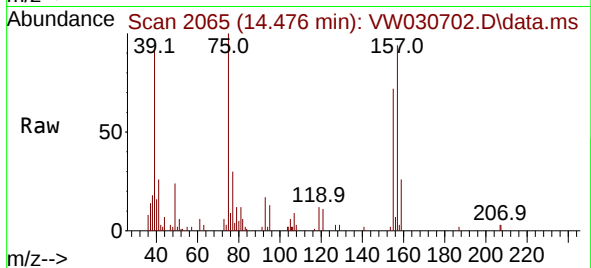
Tgt Ion: 75 Resp: 6131

Ion Ratio Lower Upper

75 100

155 72.0 57.9 86.9

157 94.4 69.0 103.6



#69

1,3,5-Trichlorobenzene

Concen: 8.755 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.506 min

Lab File: VW030702.D

Acq: 22 Oct 2024 14:43

Tgt Ion:180 Resp: 50241

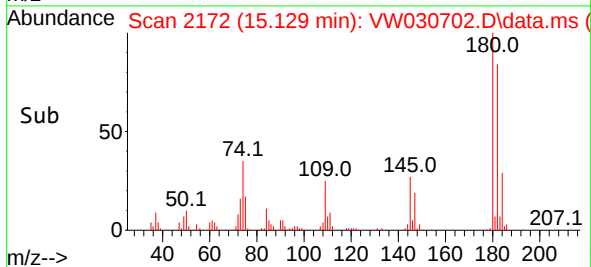
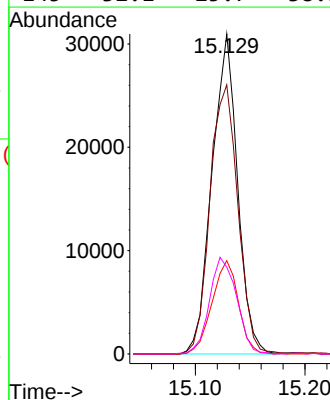
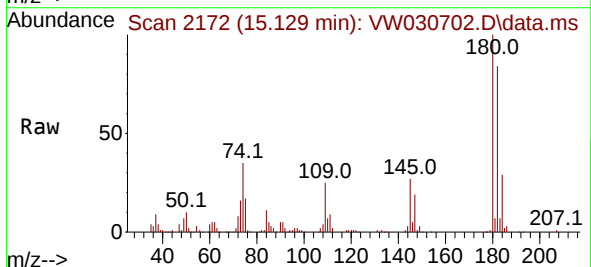
Ion Ratio Lower Upper

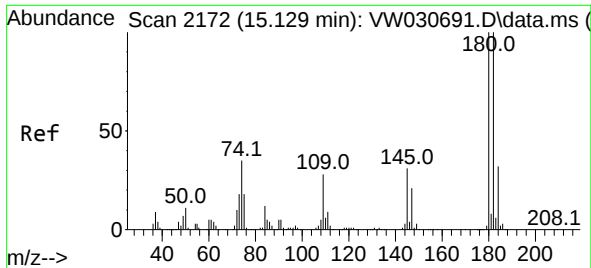
180 100

182 91.7 79.9 119.9

184 30.0 25.2 37.8

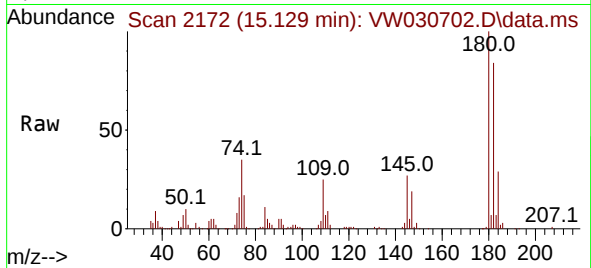
145 32.1 25.7 38.5



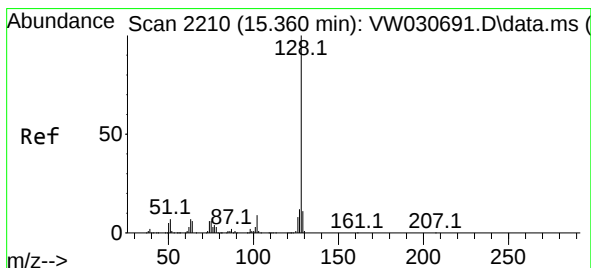
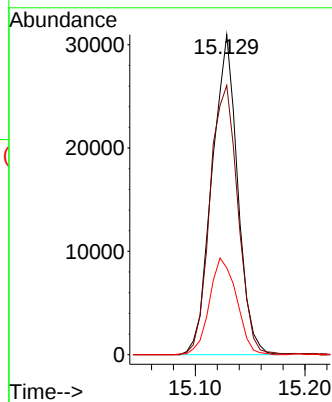
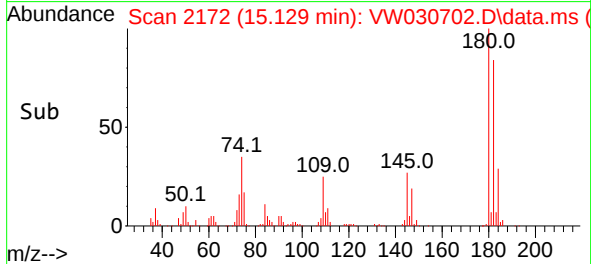


#70
1,2,4-trichlorobenzene
Concen: 10.875 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43

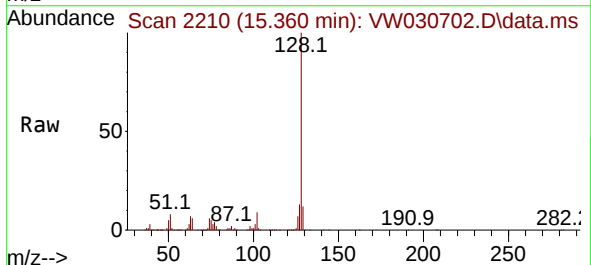
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:180 Resp: 50241
Ion Ratio Lower Upper
180 100
182 91.7 75.2 112.8
145 32.1 25.4 38.2



#71
Naphthalene
Concen: 38.879 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW030702.D
Acq: 22 Oct 2024 14:43



Tgt Ion:128 Resp: 310310
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 11.5 8.8 13.2

