

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101124\
 Data File : VW030548.D
 Acq On : 11 Oct 2024 14:50
 Operator : SY/MD
 Sample : P4360-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E84

Quant Time: Oct 14 01:41:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Oct 14 01:34:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	301263	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	264577	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	135666	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	96037	20.281	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.120%
7) Chloroethane-d5	2.899	69	77739	21.688	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.760%
11) 1,1-Dichloroethene-d2	4.027	65	40347	20.485	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.960%
21) 2-Butanone-d5	7.082	46	40673	47.727	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.460%
24) Chloroform-d	7.648	84	214060	24.846	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	8.307	65	101359	22.624	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.480%
32) Benzene-d6	8.276	84	339153	22.086	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.360%
36) 1,2-Dichloropropane-d6	9.276	67	105073	23.313	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.240%
41) Toluene-d8	10.325	98	336669	24.016	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.080%
43) trans-1,3-Dichloroprop...	10.575	79	46527	24.653	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.600%
47) 2-Hexanone-d5	10.922	63	31902	54.955	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.900%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	86542	26.145	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	13.849	152	99639	21.706	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.840%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	164787	40.770	ug/L	85
13) Acetone	4.119	43	75421	60.451	ug/L	97
16) Methylene chloride	4.923	84	359892	79.020	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	128969	29.570	ug/L	94
18) Methyl tert-butyl Ether	5.429	73	280377	45.933	ug/L	100
19) 1,1-Dichloroethane	6.222	63	698301	86.145	ug/L	99
22) 2-Butanone	7.167	43	269887	200.681	ug/L	96
25) Chloroform	7.679	83	754096	87.053	ug/L	99
31) Carbon tetrachloride	8.069	117	101123	16.120	ug/L	97
33) Benzene	8.325	78	1144045	66.447	ug/L	100
34) Trichloroethene	9.093	95	441873	92.249	ug/L	98
37) 1,2-Dichloropropane	9.368	63	164072	38.155	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	436065	67.230	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	363823	176.115	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	419069	76.886	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	160663	51.696	ug/L	98
50) 1,2-Dibromoethane	11.233	107	140712	48.522	ug/L	98
53) m,p-Xylene	11.831	106	380023	48.396	ug/L	91
54) o-Xylene	12.166	106	487570	67.163	ug/L	98

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 Quant Title : SFAM01.0
 QLast Update : Mon Oct 14 01:34:28 2024
 Response via : Initial Calibration

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

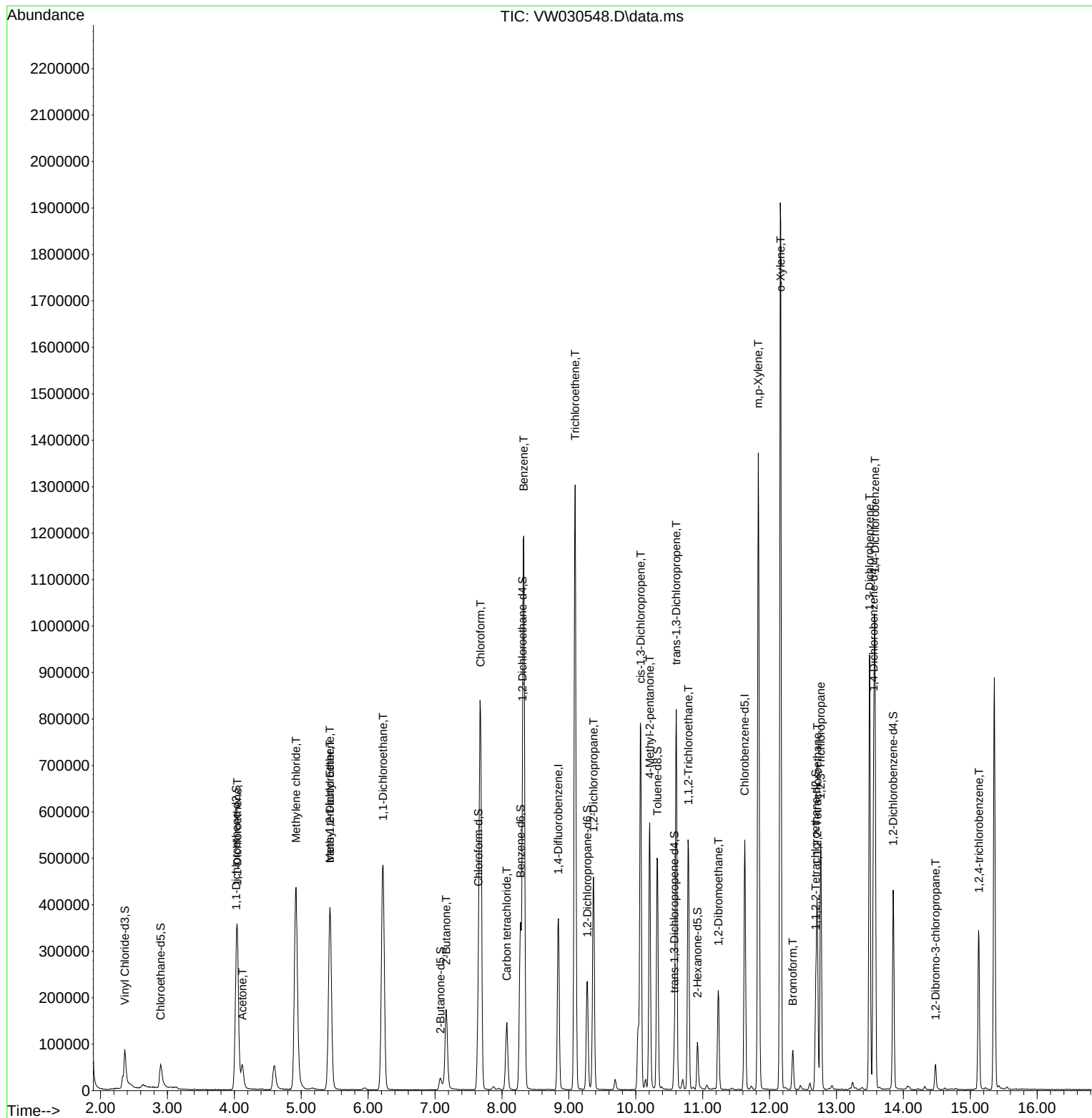
57) 1,1,2,2-Tetrachloroethane	12.715	83	188987	53.924	ug/L	99
59) Bromoform	12.349	173	35942	18.857	ug/L	96
61) 1,2,3-Trichloropropane	12.763	75	211452	80.098	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	341186	37.309	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	342836	36.307	ug/L	88
68) 1,2-Dibromo-3-chloropr...	14.483	75	13670	23.223	ug/L	90
70) 1,2,4-trichlorobenzene	15.129	180	96830	19.945	ug/L	96

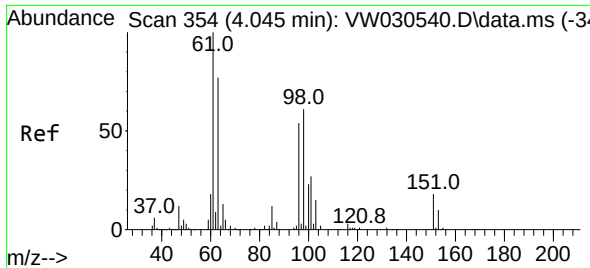
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010124\
Data File : VW030548.D
Acq On : 11 Oct 2024 14:50
Operator : SY/MD
Sample : P4360-01
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4E84

Quant Time: Oct 14 01:41:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Oct 14 01:34:28 2024
Response via : Initial Calibration

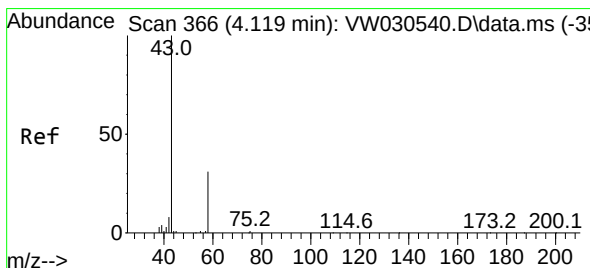
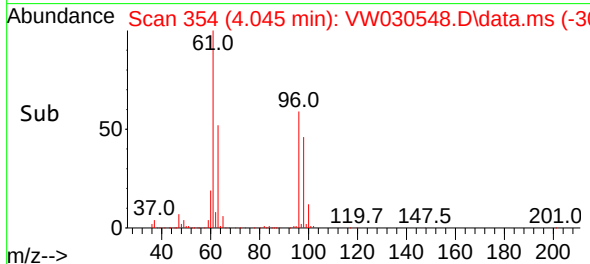
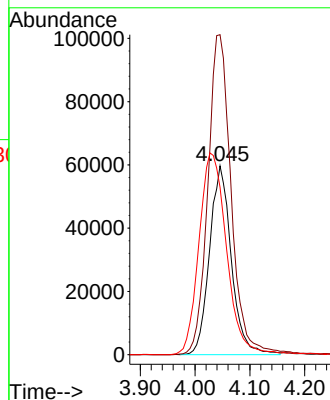
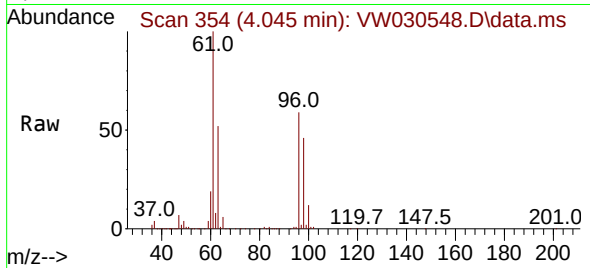




#12
1,1-Dichloroethene
Concen: 40.770 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

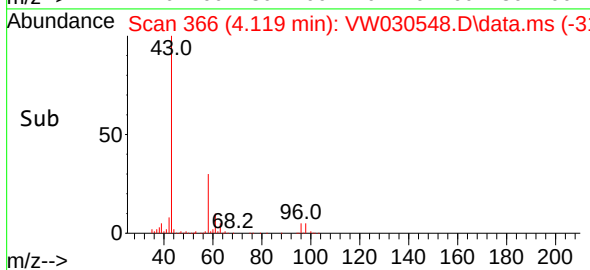
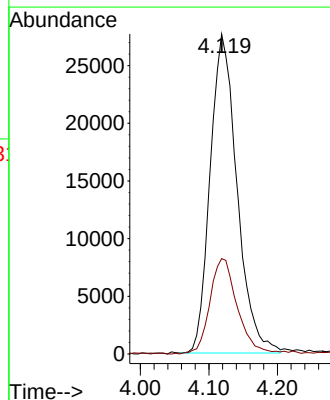
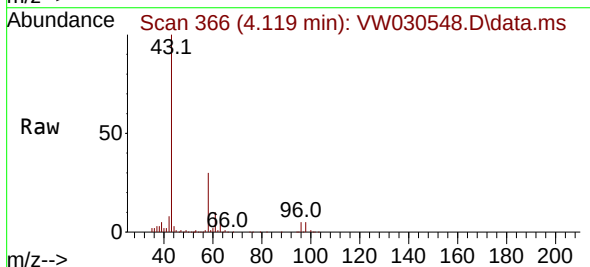
Instrument :
MSVOA_W
ClientSampleId :
A4E84

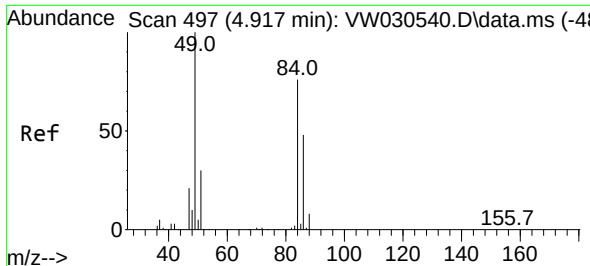
Tgt Ion: 96 Resp: 164787
Ion Ratio Lower Upper
96 100
61 169.4 121.3 225.3
63 88.7 87.6 162.8



#13
Acetone
Concen: 60.451 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion: 43 Resp: 75421
Ion Ratio Lower Upper
43 100
58 30.4 0.0 57.6

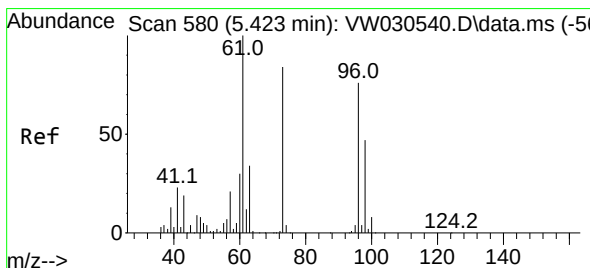
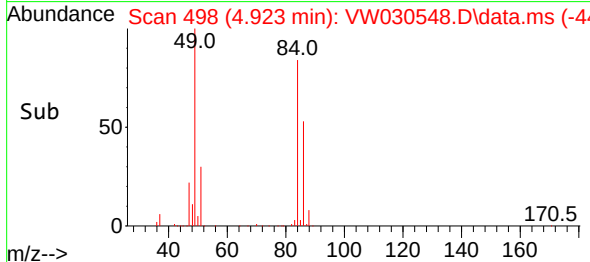
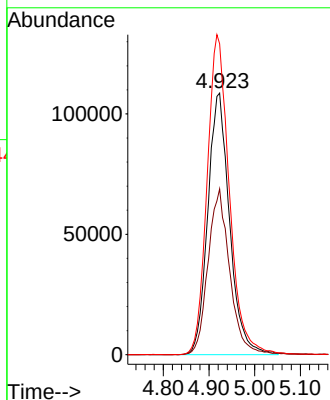
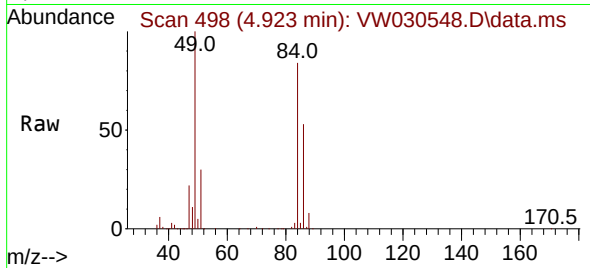




#16
Methylene chloride
Concen: 79.020 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

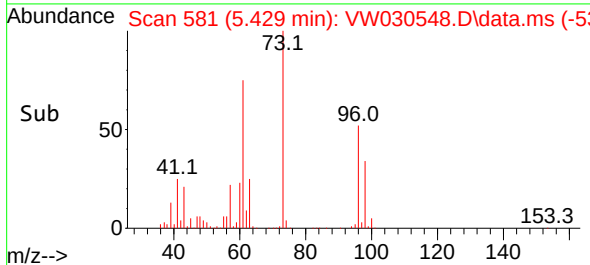
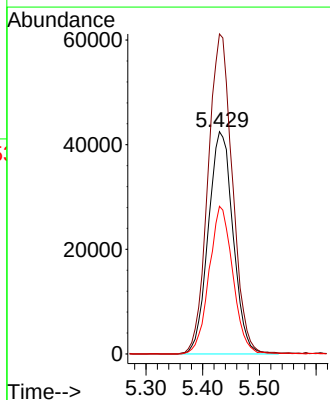
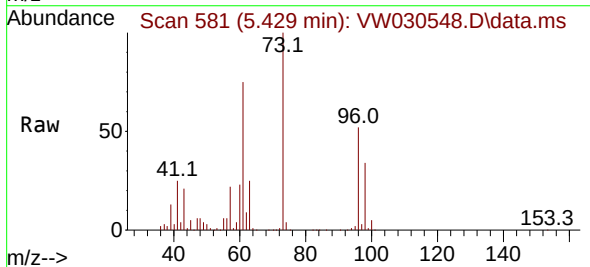
Instrument :
MSVOA_W
ClientSampleId :
A4E84

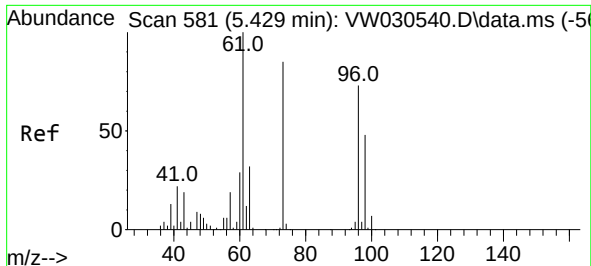
Tgt Ion: 84 Resp: 359892
Ion Ratio Lower Upper
84 100
86 63.4 43.8 81.3
49 118.8 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 29.570 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion: 96 Resp: 128969
Ion Ratio Lower Upper
96 100
61 144.0 96.9 179.9
98 66.5 42.2 78.4

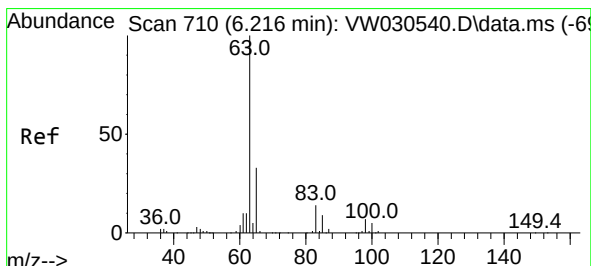
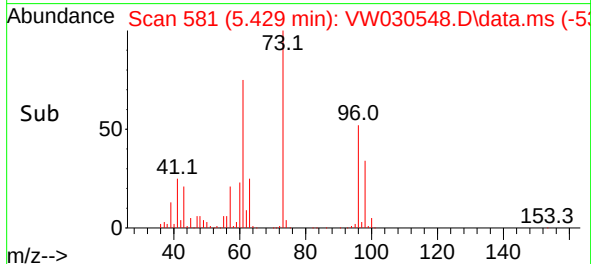
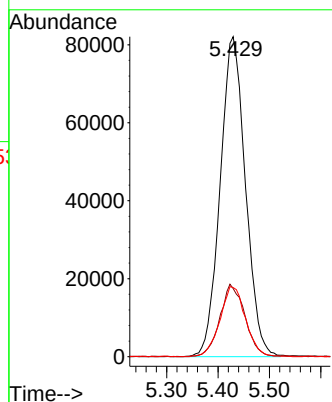
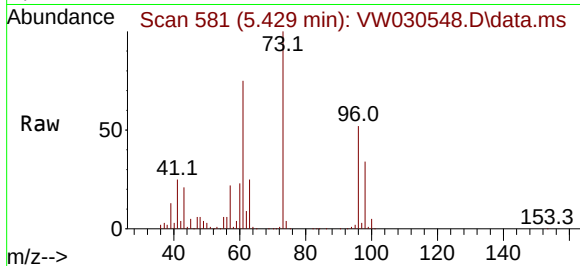




#18
Methyl tert-butyl Ether
Concen: 45.933 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

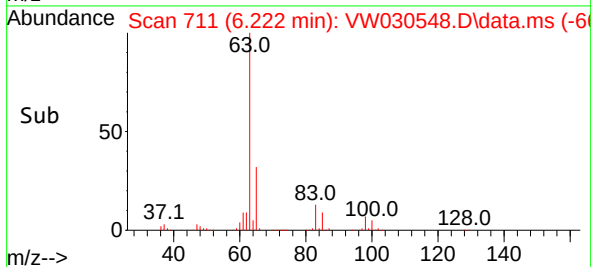
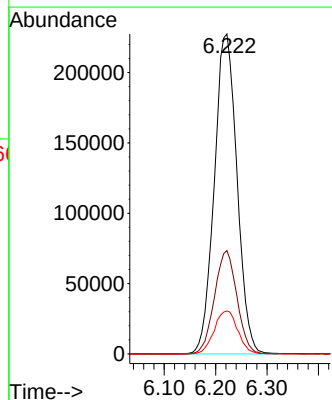
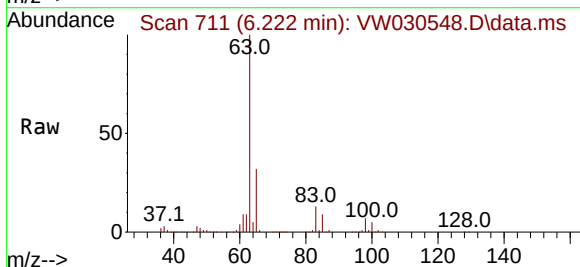
Instrument :
MSVOA_W
ClientSampleId :
A4E84

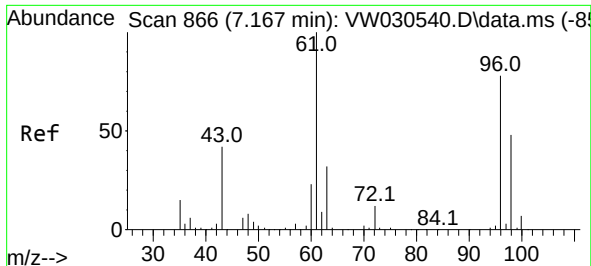
Tgt Ion: 73 Resp: 280377
Ion Ratio Lower Upper
73 100
43 22.5 18.1 27.1
57 22.2 17.7 26.5



#19
1,1-Dichloroethane
Concen: 86.145 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion: 63 Resp: 698301
Ion Ratio Lower Upper
63 100
65 32.3 22.5 41.9
83 13.4 9.8 18.2

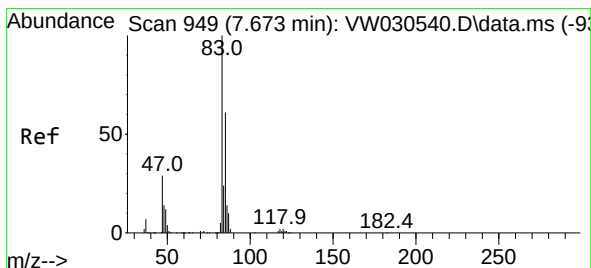
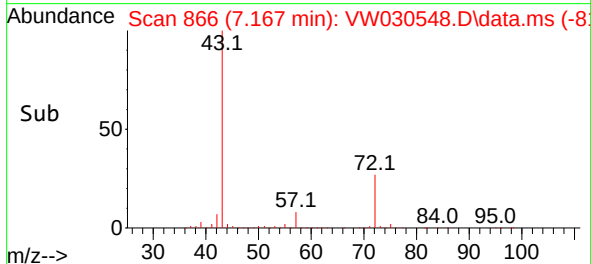
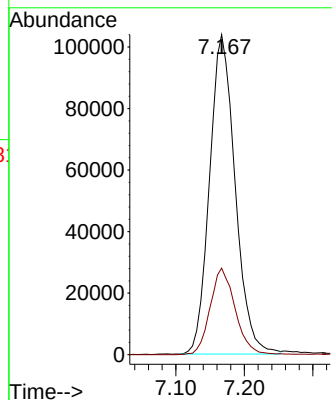
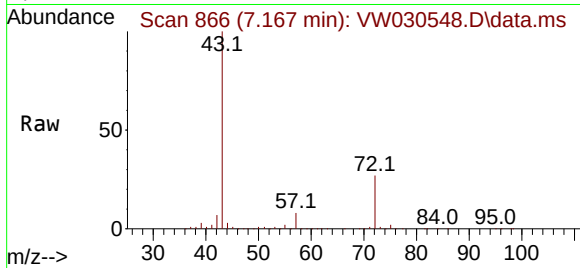




#22
2-Butanone
Concen: 200.681 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

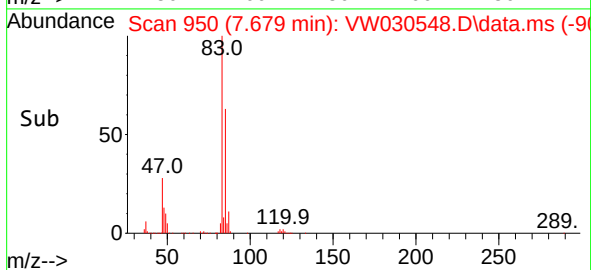
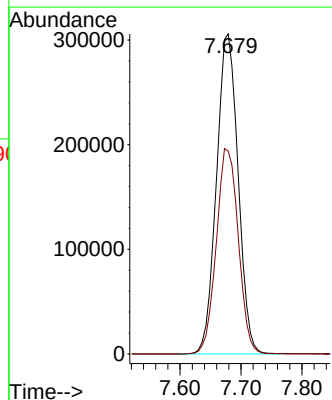
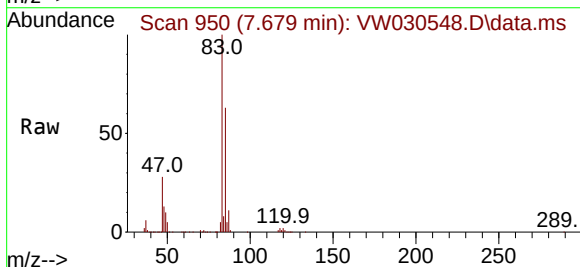
Instrument :
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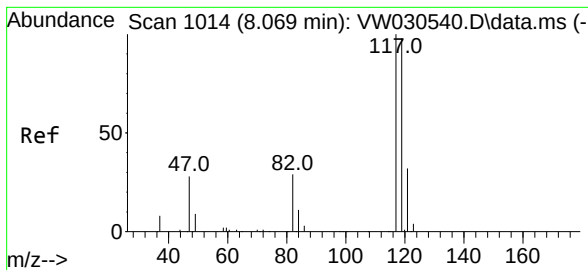
Tgt Ion: 43 Resp: 269887
Ion Ratio Lower Upper
43 100
72 26.4 14.4 43.0



#25
Chloroform
Concen: 87.053 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion: 83 Resp: 754096
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.7

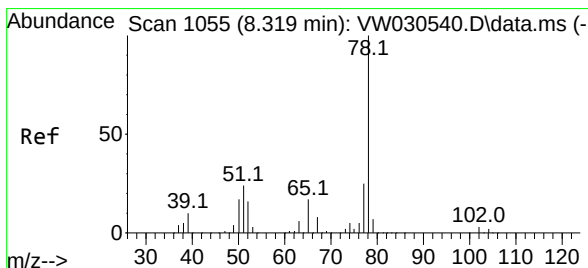
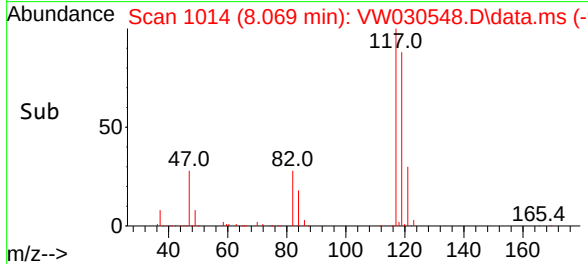
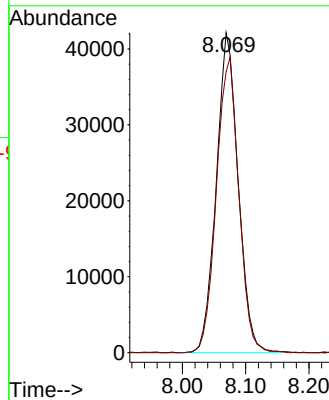
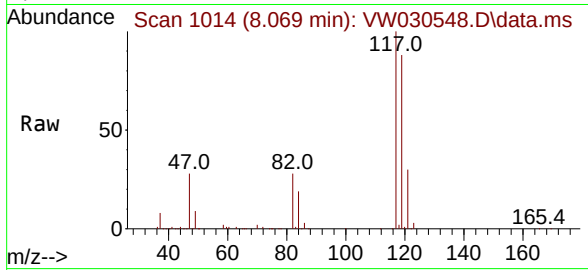




#31
Carbon tetrachloride
Concen: 16.120 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

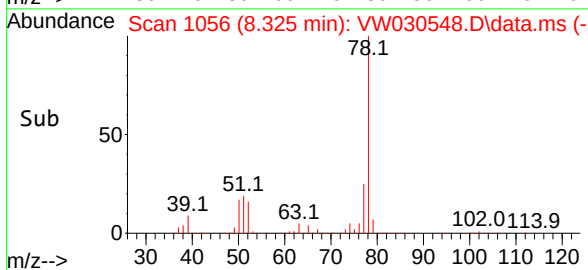
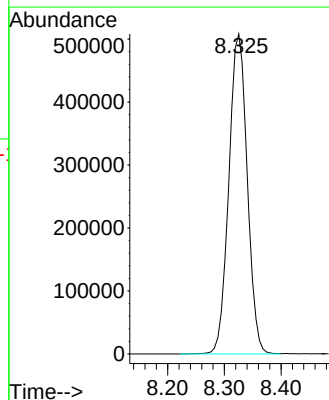
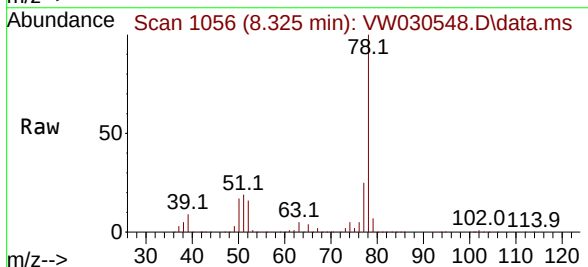
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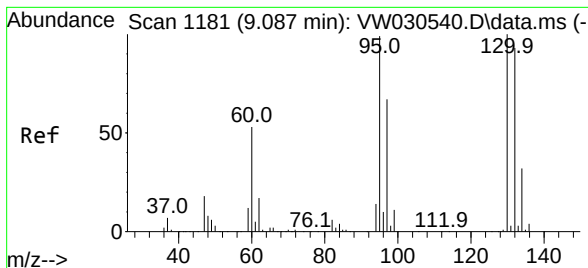
Tgt Ion:117 Resp: 101123
Ion Ratio Lower Upper
117 100
119 94.3 77.8 116.8



#33
Benzene
Concen: 66.447 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion: 78 Resp: 1144045





#34

Trichloroethene

Concen: 92.249 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Instrument :

MSVOA_W

ClientSampleId :

A4E84

Tgt Ion: 95 Resp: 441873

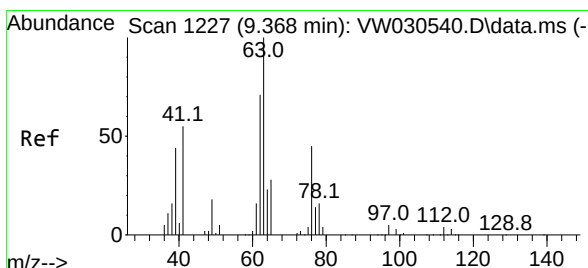
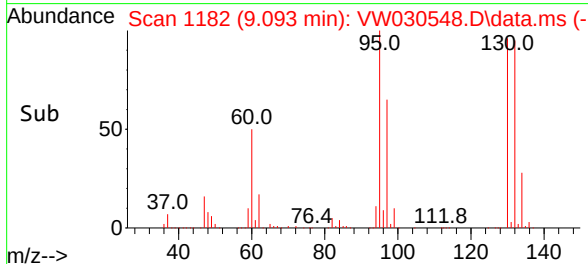
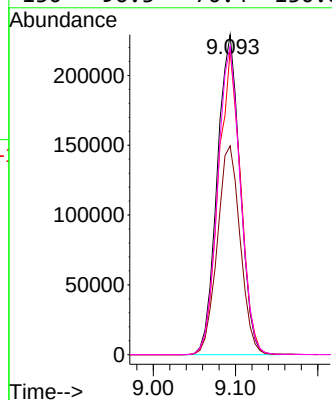
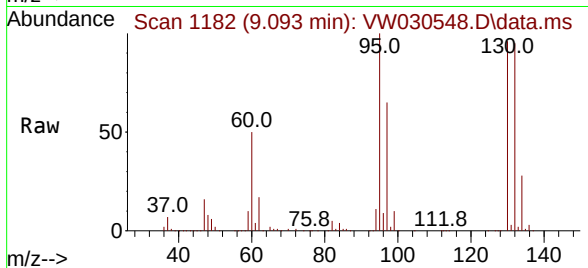
Ion Ratio Lower Upper

95 100

97 65.3 45.9 85.3

132 95.2 66.4 123.2

130 96.3 70.4 130.8



#37

1,2-Dichloropropane

Concen: 38.155 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030548.D

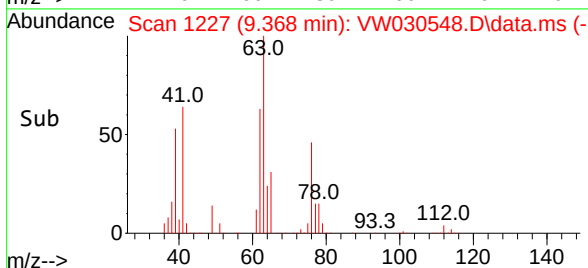
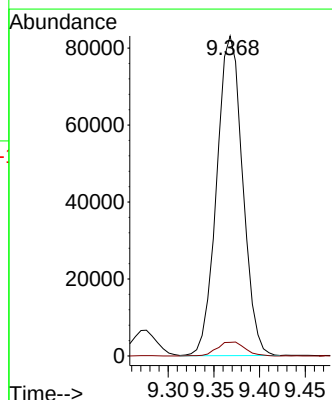
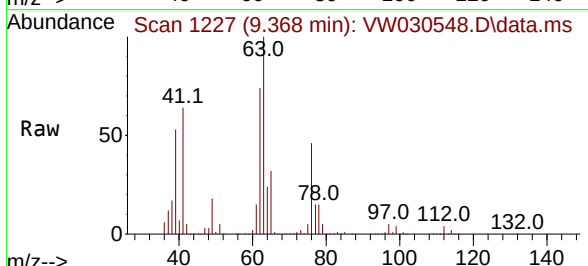
Acq: 11 Oct 2024 14:50

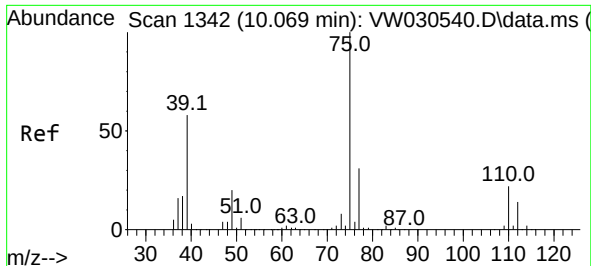
Tgt Ion: 63 Resp: 164072

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 67.230 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Instrument :

MSVOA_W

ClientSampleId :

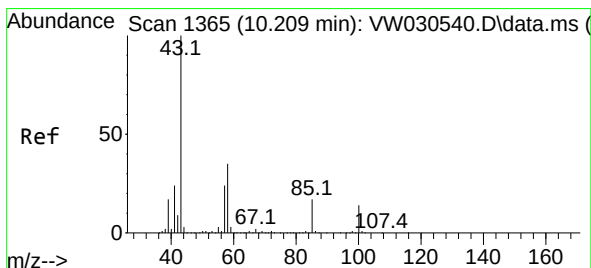
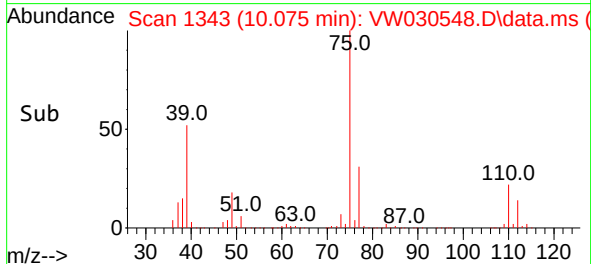
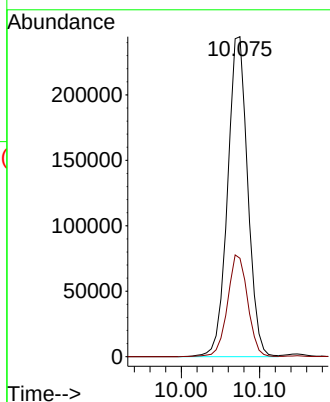
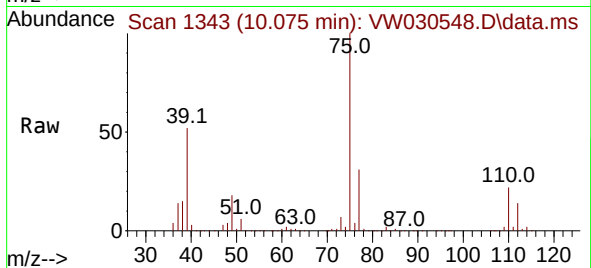
A4E84

Tgt Ion: 75 Resp: 436065

Ion Ratio Lower Upper

75 100

77 30.8 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 176.115 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

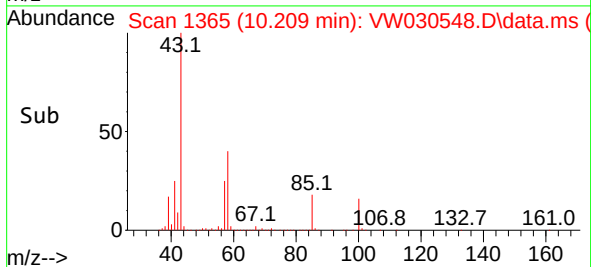
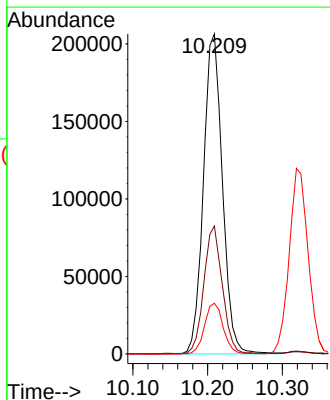
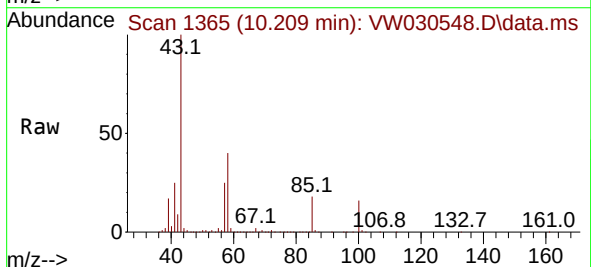
Tgt Ion: 43 Resp: 363823

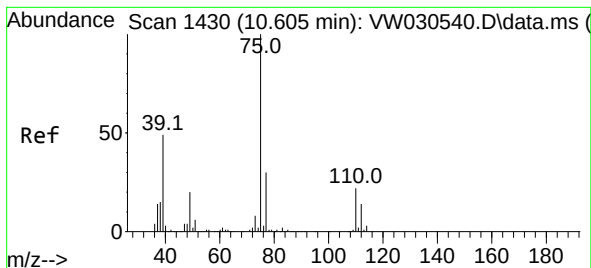
Ion Ratio Lower Upper

43 100

58 39.0 31.4 47.2

100 15.7 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 76.886 ug/L

RT: 10.605 min Scan# 14

Delta R.T. 0.000 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Instrument :

MSVOA_W

ClientSampleId :

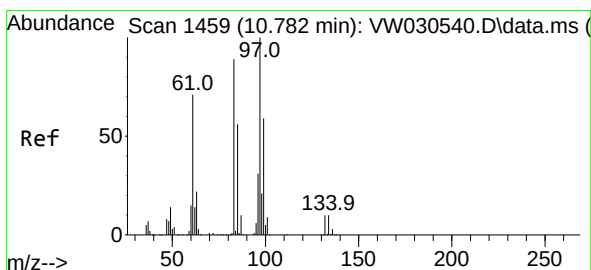
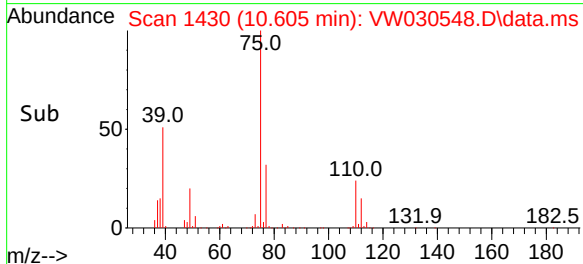
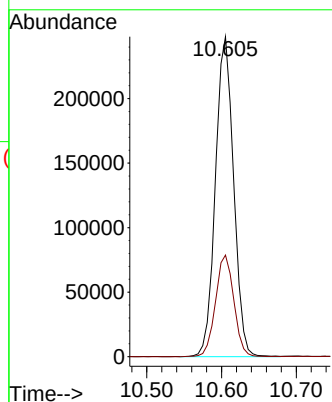
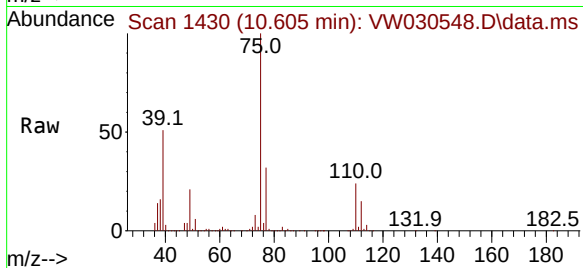
A4E84

Tgt Ion: 75 Resp: 419069

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 51.696 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Tgt Ion: 97 Resp: 160663

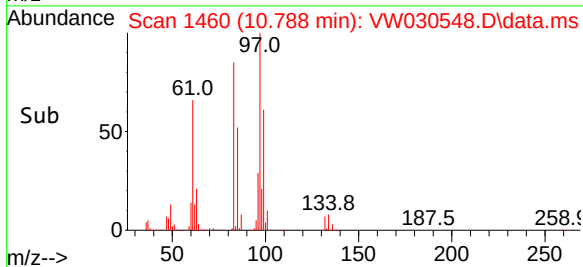
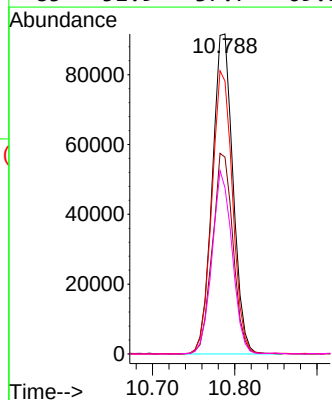
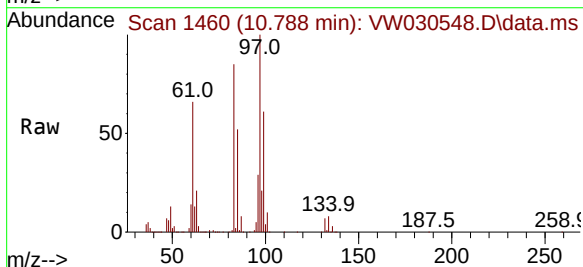
Ion Ratio Lower Upper

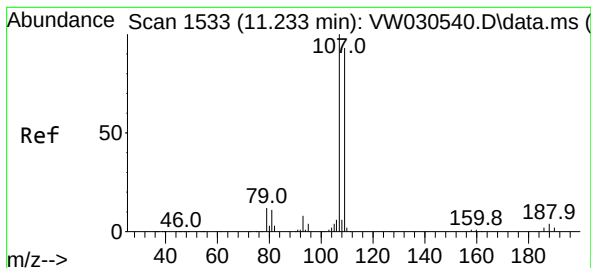
97 100

99 61.5 41.2 76.6

83 85.3 59.6 110.6

85 51.9 37.7 69.9

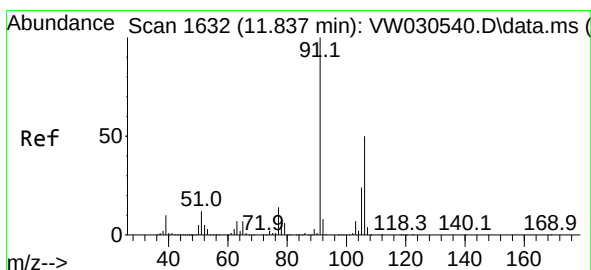
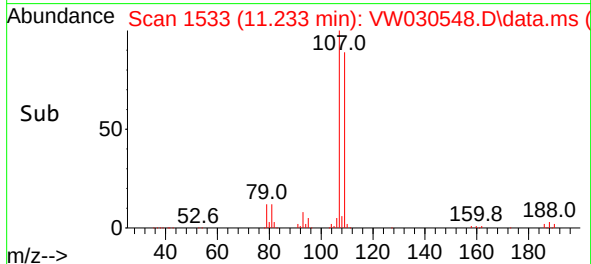
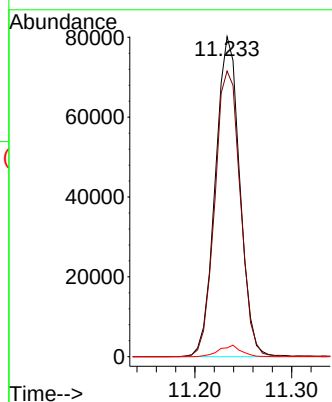
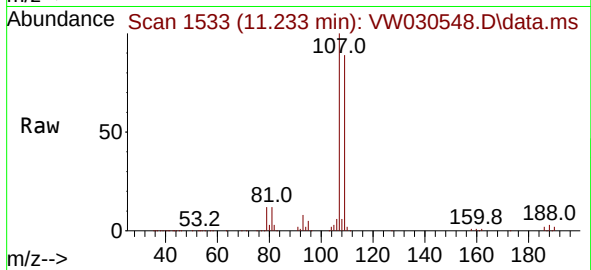




#50
1,2-Dibromoethane
Concen: 48.522 ug/L
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

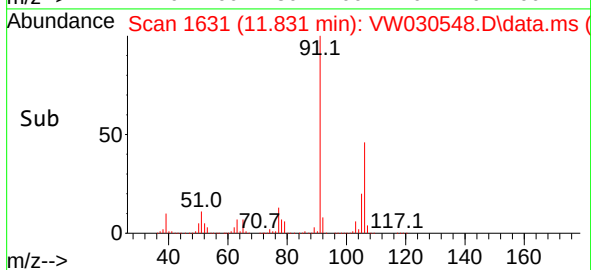
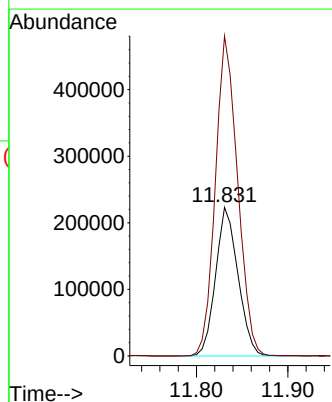
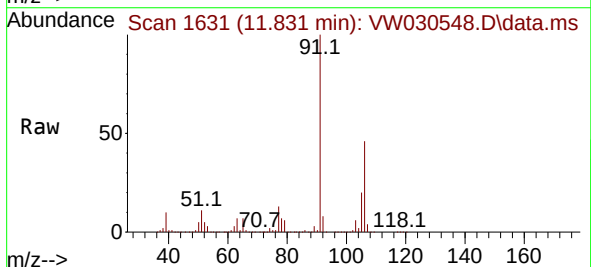
Instrument :
MSVOA_W
ClientSampleId :
A4E84

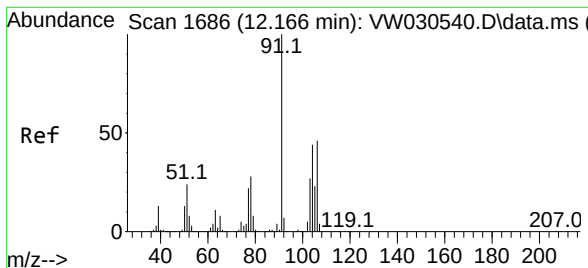
Tgt Ion:107 Resp: 140712
Ion Ratio Lower Upper
107 100
109 89.3 63.8 118.6
188 2.7 2.6 3.8



#53
m,p-Xylene
Concen: 48.396 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion:106 Resp: 380023
Ion Ratio Lower Upper
106 100
91 215.3 140.6 261.2

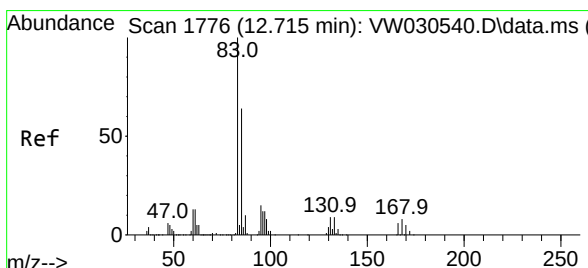
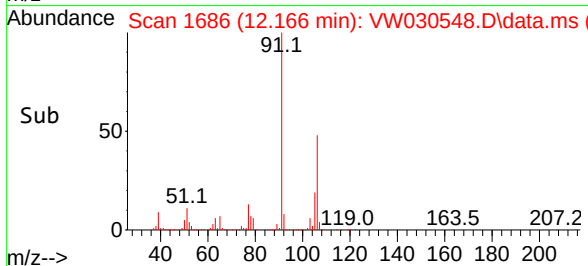
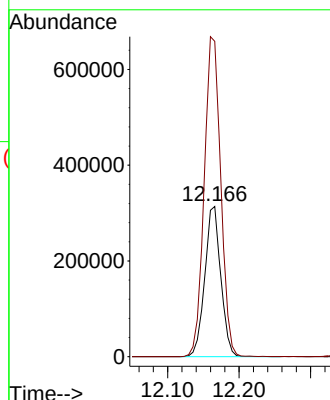
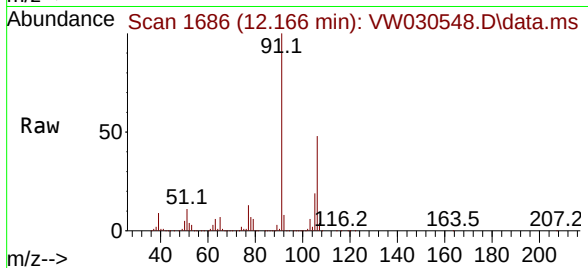




#54
o-Xylene
Concen: 67.163 ug/L
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

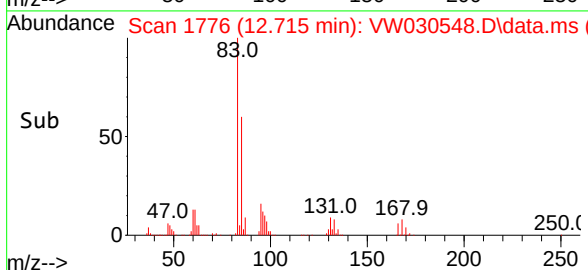
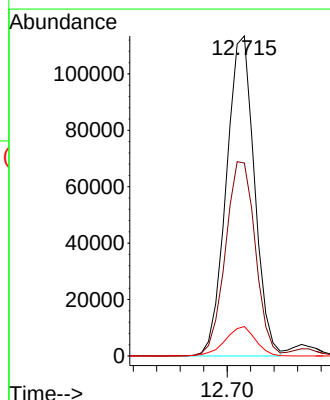
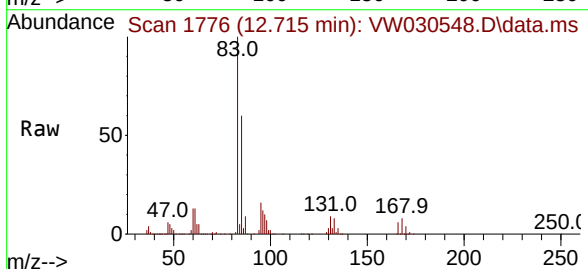
Instrument :
MSVOA_W
ClientSampleId :
A4E84

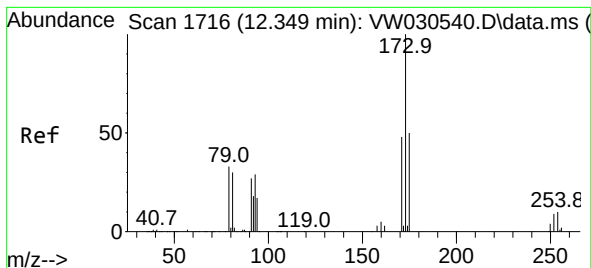
Tgt Ion:106 Resp: 487570
Ion Ratio Lower Upper
106 100
91 209.8 144.5 268.4



#57
1,1,2,2-Tetrachloroethane
Concen: 53.924 ug/L
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion: 83 Resp: 188987
Ion Ratio Lower Upper
83 100
85 60.3 42.6 79.2
131 9.2 7.4 11.0





#59

Bromoform

Concen: 18.857 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Instrument :

MSVOA_W

ClientSampleId :

A4E84

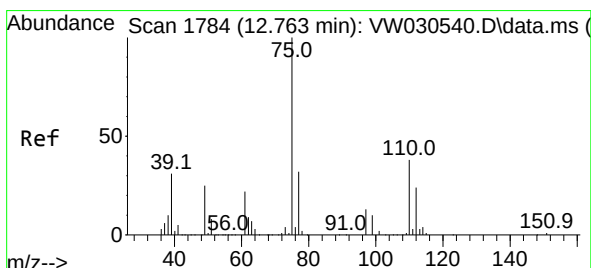
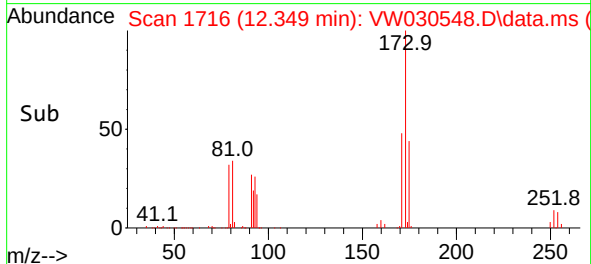
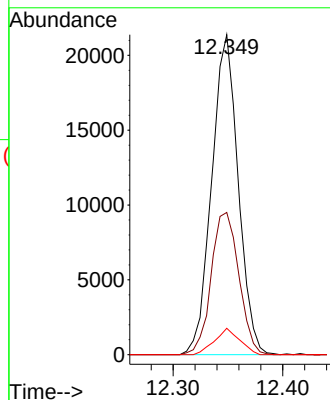
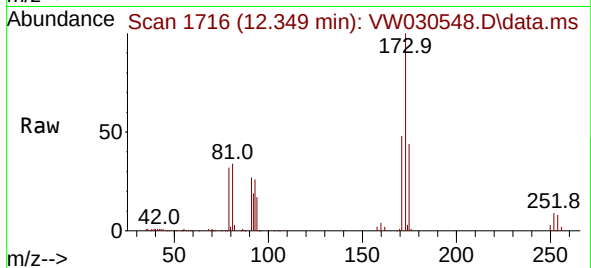
Tgt Ion:173 Resp: 35942

Ion Ratio Lower Upper

173 100

175 46.4 39.0 58.4

254 7.8 7.7 11.5



#61

1,2,3-Trichloropropane

Concen: 80.098 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

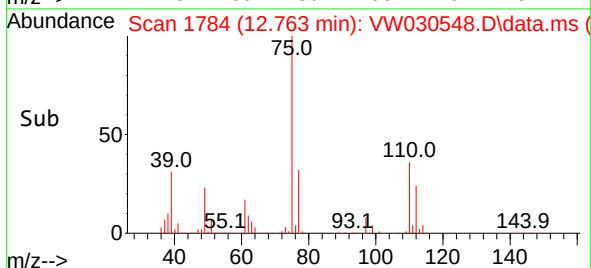
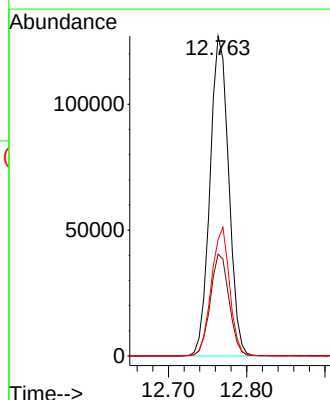
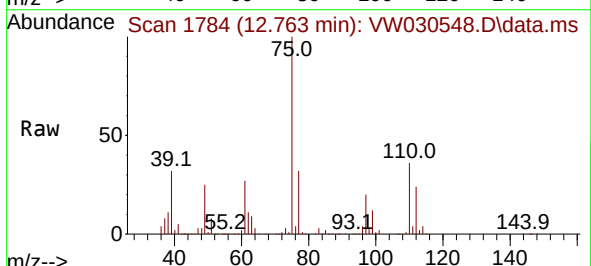
Tgt Ion: 75 Resp: 211452

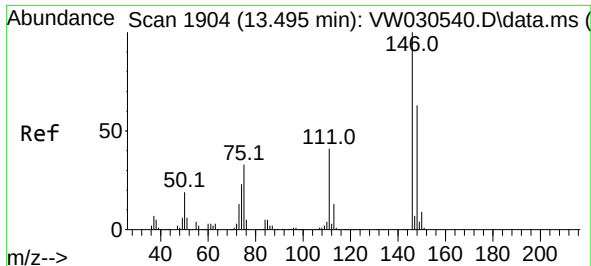
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

110 39.1 32.3 48.5

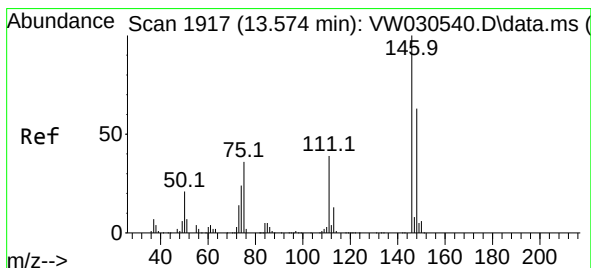
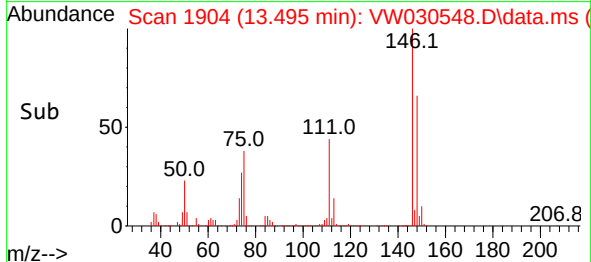
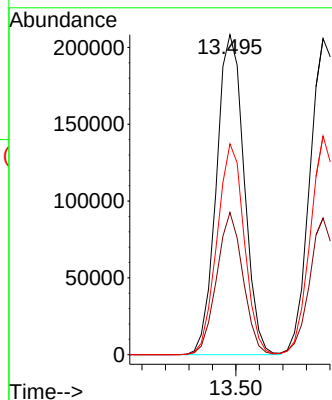
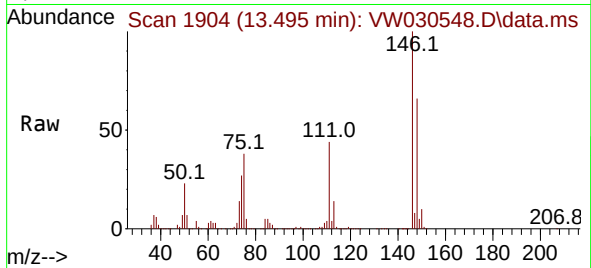




#64
1,3-Dichlorobenzene
Concen: 37.309 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

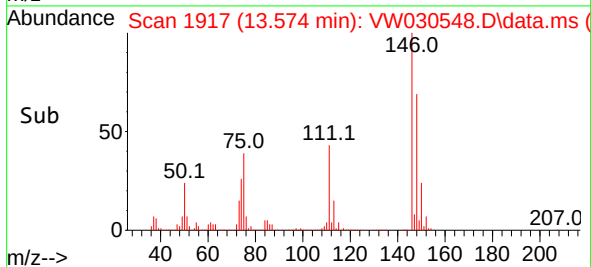
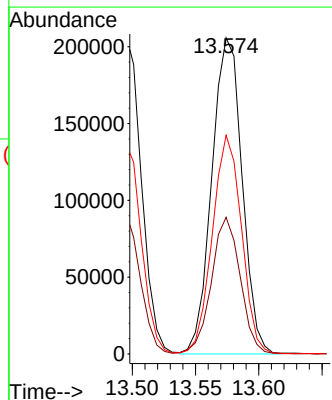
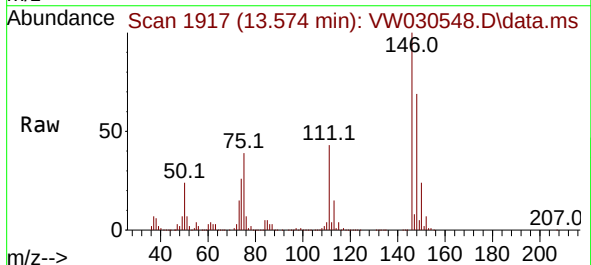
Instrument :
MSVOA_W
ClientSampleId :
A4E84

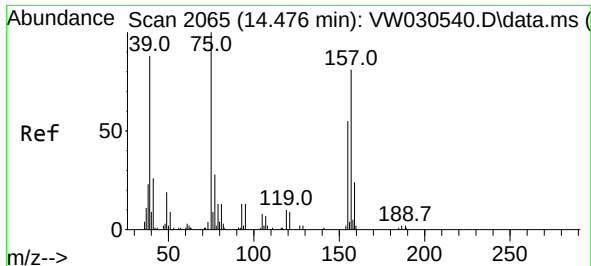
Tgt Ion:146 Resp: 341186
Ion Ratio Lower Upper
146 100
111 44.5 31.2 58.0
148 65.9 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 36.307 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030548.D
Acq: 11 Oct 2024 14:50

Tgt Ion:146 Resp: 342836
Ion Ratio Lower Upper
146 100
111 43.2 26.8 49.8
148 69.2 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 23.223 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Instrument :

MSVOA_W

ClientSampleId :

A4E84

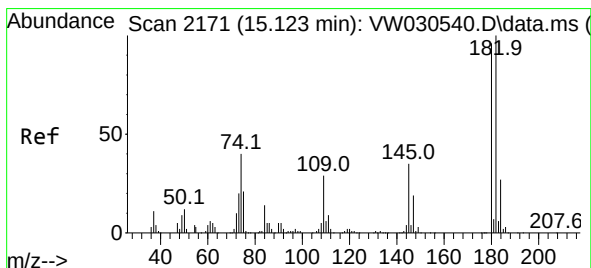
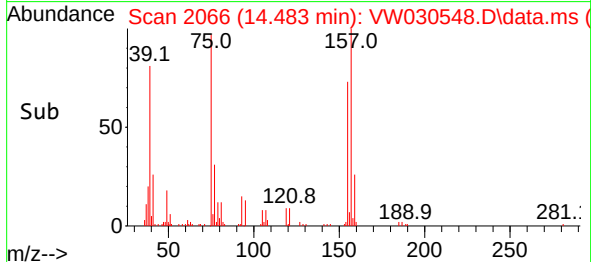
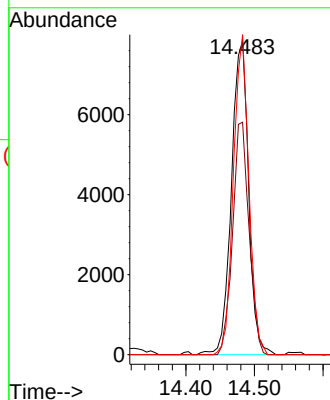
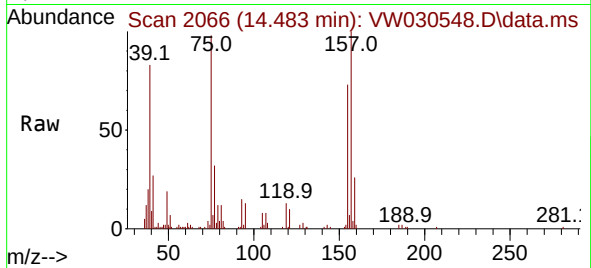
Tgt Ion: 75 Resp: 13670

Ion Ratio Lower Upper

75 100

155 74.1 57.9 86.9

157 102.0 69.0 103.6



#70

1,2,4-trichlorobenzene

Concen: 19.945 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW030548.D

Acq: 11 Oct 2024 14:50

Tgt Ion:180 Resp: 96830

Ion Ratio Lower Upper

180 100

182 98.4 75.2 112.8

145 32.6 25.4 38.2

