

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101124\
 Data File : VW030550.D
 Acq On : 11 Oct 2024 15:38
 Operator : SY/MD
 Sample : P4360-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E84DL

Quant Time: Oct 14 01:42:31 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	312961	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	285613	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	136343	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	115325	23.443	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.760%
7) Chloroethane-d5	2.899	69	91478	24.567	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.280%
11) 1,1-Dichloroethene-d2	4.021	65	50025	24.450	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.800%
21) 2-Butanone-d5	7.075	46	45538	51.439	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.880%
24) Chloroform-d	7.648	84	235387	26.300	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.200%
26) 1,2-Dichloroethane-d4	8.307	65	121151	26.031	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.120%
32) Benzene-d6	8.276	84	414460	25.002	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	9.270	67	127586	26.223	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.880%
41) Toluene-d8	10.319	98	399555	26.403	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.600%
43) trans-1,3-Dichloroprop...	10.575	79	52598	25.817	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.280%
47) 2-Hexanone-d5	10.922	63	33418	53.326	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.660%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	96247	26.936	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.760%
66) 1,2-Dichlorobenzene-d4	13.854	152	124093	26.899	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	82076	19.547	ug/L	94
13) Acetone	4.118	43	33980	26.218	ug/L	99
16) Methylene chloride	4.917	84	181734	38.411	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	64664	14.272	ug/L	92
18) Methyl tert-butyl Ether	5.429	73	129708	20.455	ug/L	99
19) 1,1-Dichloroethane	6.222	63	355122	42.172	ug/L	98
22) 2-Butanone	7.167	43	120528	86.272	ug/L	95
25) Chloroform	7.679	83	383188	42.582	ug/L	98
31) Carbon tetrachloride	8.069	117	50098	7.398	ug/L	100
33) Benzene	8.325	78	583178	31.377	ug/L	100
34) Trichloroethene	9.093	95	228662	44.221	ug/L	98
37) 1,2-Dichloropropane	9.367	63	81744	17.609	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	214422	30.623	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	162645	72.932	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	200628	34.098	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	78349	23.353	ug/L	98
50) 1,2-Dibromoethane	11.233	107	68309	21.820	ug/L	93
53) m,p-Xylene	11.837	106	189433	22.348	ug/L	98
54) o-Xylene	12.160	106	236754	30.211	ug/L	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101124\
 Data File : VW030550.D
 Acq On : 11 Oct 2024 15:38
 Operator : SY/MD
 Sample : P4360-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E84DL

Quant Time: Oct 14 01:42:31 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)

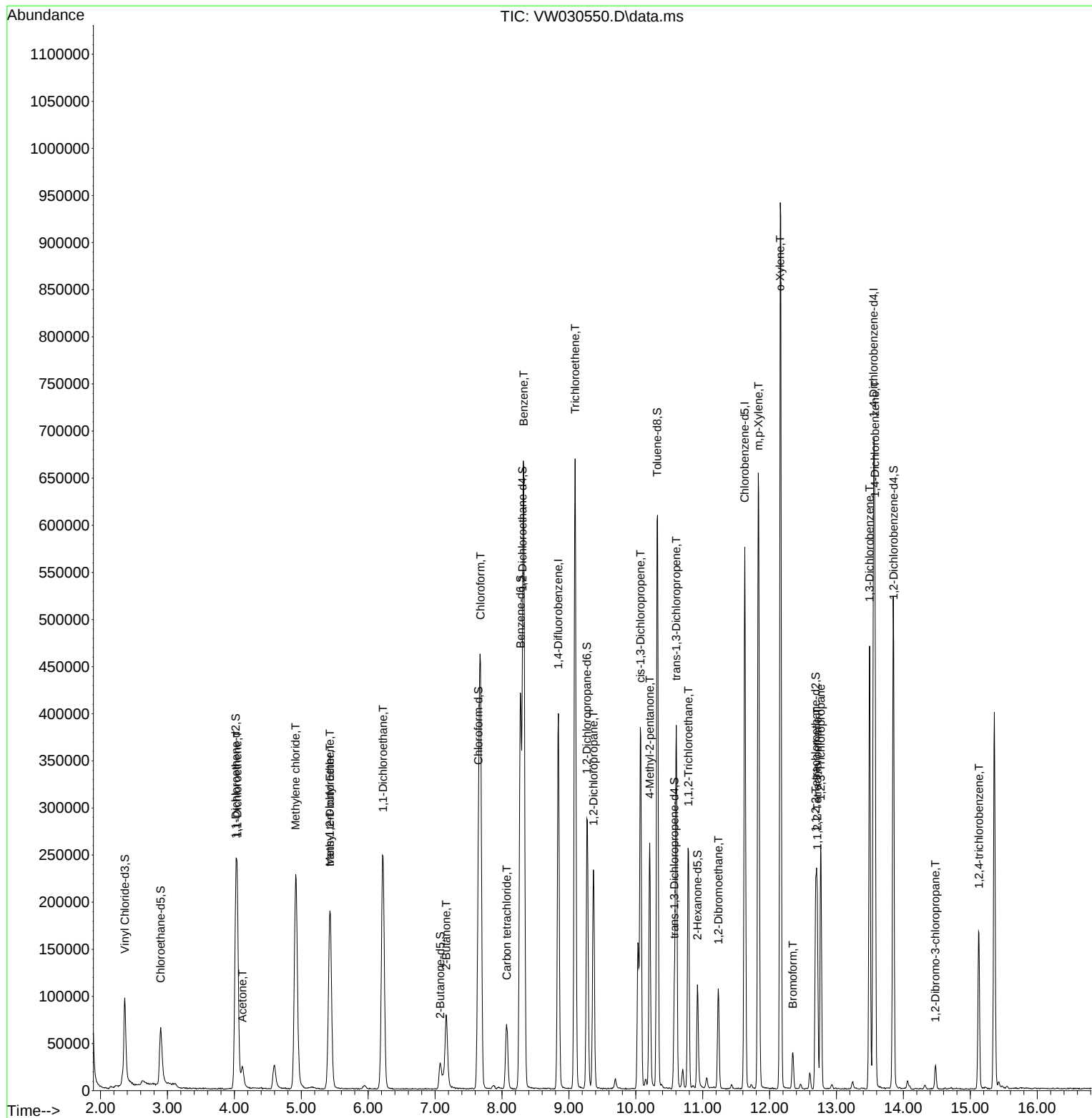
57) 1,1,2,2-Tetrachloroethane	12.714	83	89574	23.676	ug/L	95
59) Bromoform	12.349	173	16325	8.522	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	100819	38.001	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	172041	18.719	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	182423	19.223	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	6356	10.744	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	47149	9.664	ug/L	95

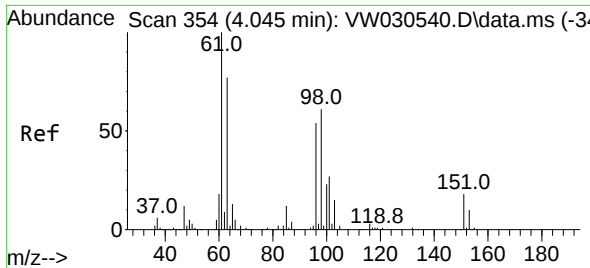
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101124\
Data File : VW030550.D
Acq On : 11 Oct 2024 15:38
Operator : SY/MD
Sample : P4360-01DL 2X
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4E84DL

Quant Time: Oct 14 01:42:31 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

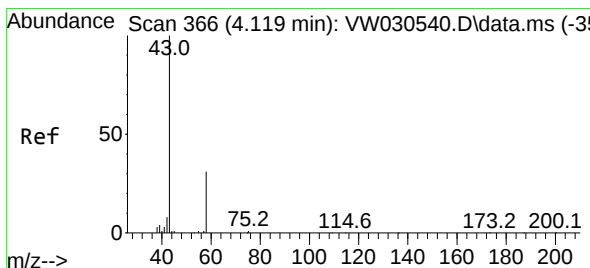
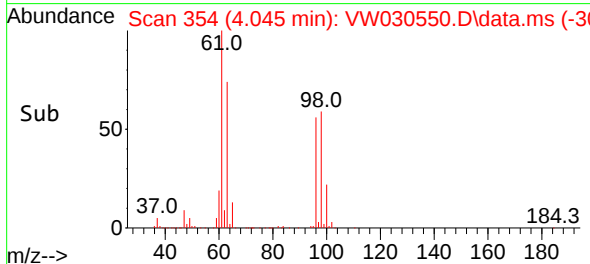
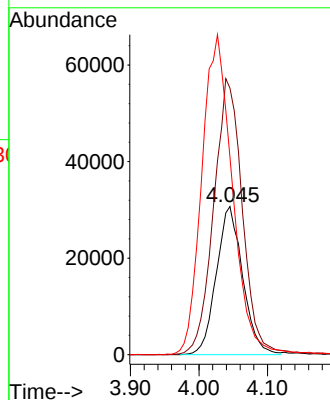
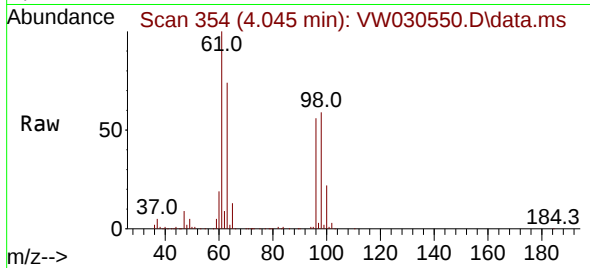




#12
 1,1-Dichloroethene
 Concen: 19.547 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW030550.D
 Acq: 11 Oct 2024 15:38

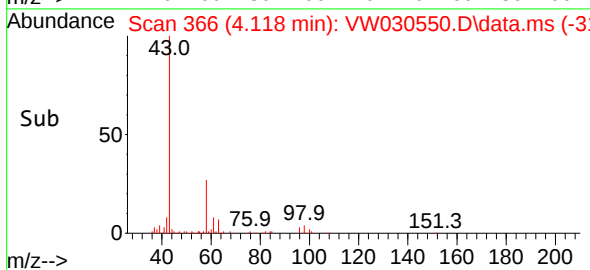
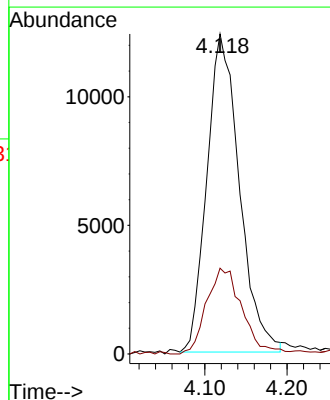
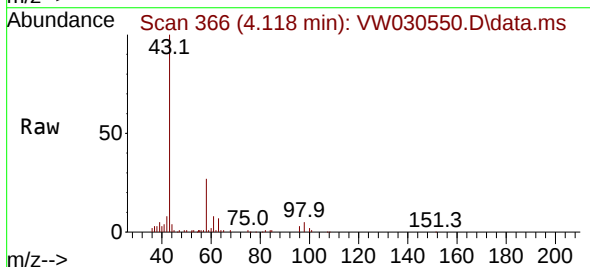
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E84DL

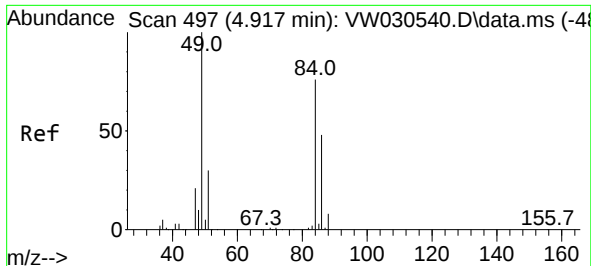
Tgt Ion: 96 Resp: 82076
 Ion Ratio Lower Upper
 96 100
 61 179.8 121.3 225.3
 63 133.2 87.6 162.8



#13
 Acetone
 Concen: 26.218 ug/L
 RT: 4.118 min Scan# 366
 Delta R.T. -0.000 min
 Lab File: VW030550.D
 Acq: 11 Oct 2024 15:38

Tgt Ion: 43 Resp: 33980
 Ion Ratio Lower Upper
 43 100
 58 29.4 0.0 57.6

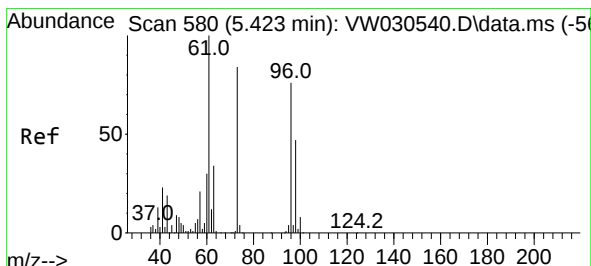
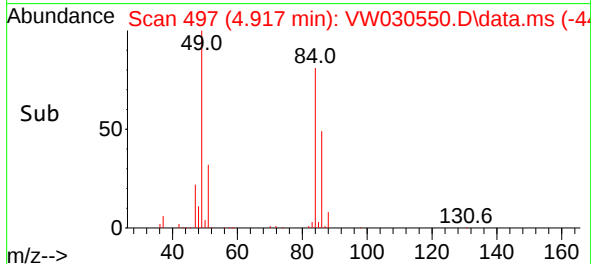
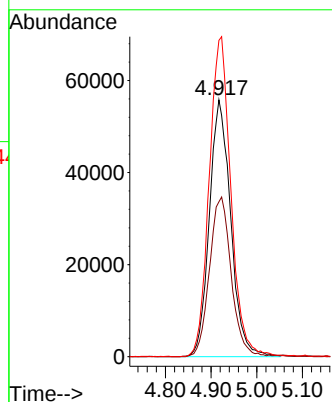
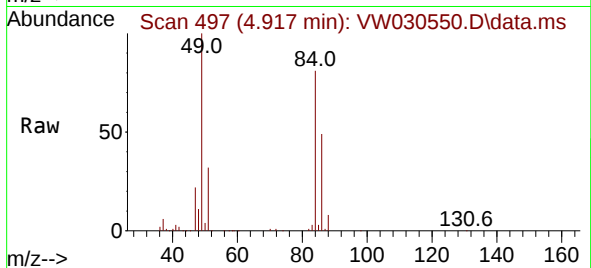




#16
Methylene chloride
Concen: 38.411 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.000 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

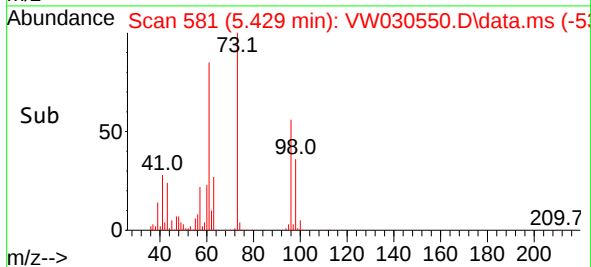
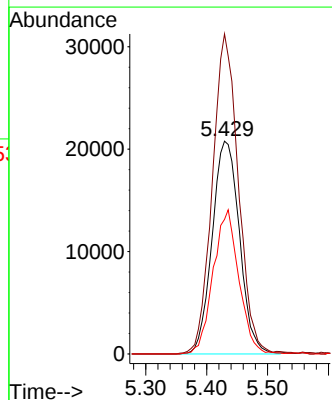
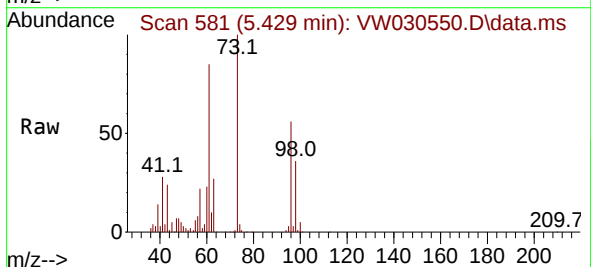
Instrument :
MSVOA_W
ClientSampleId :
A4E84DL

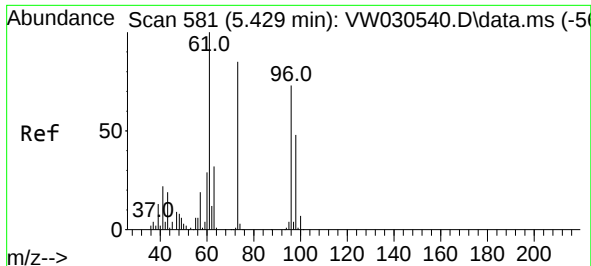
Tgt Ion: 84 Resp: 181734
Ion Ratio Lower Upper
84 100
86 60.3 43.8 81.3
49 123.2 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 14.272 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

Tgt Ion: 96 Resp: 64664
Ion Ratio Lower Upper
96 100
61 150.3 96.9 179.9
98 63.2 42.2 78.4

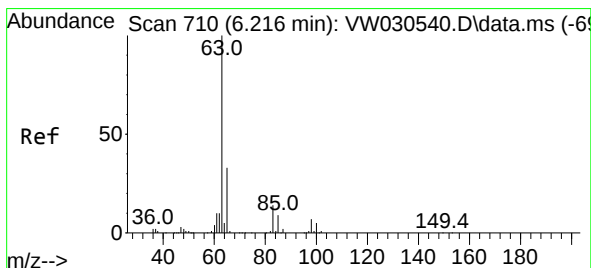
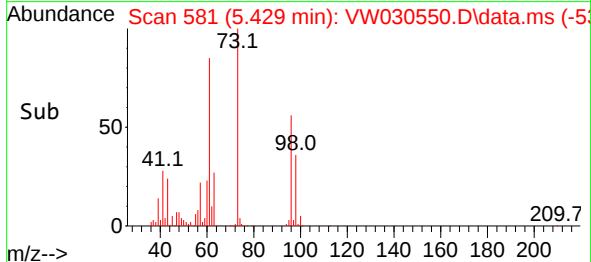
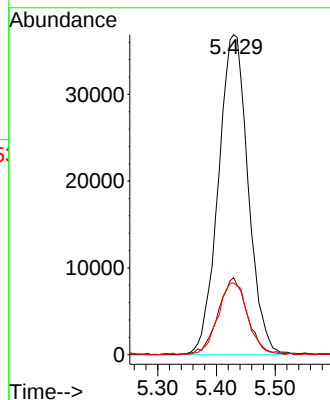
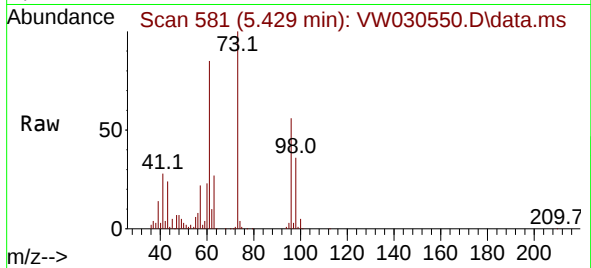




#18
Methyl tert-butyl Ether
Concen: 20.455 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

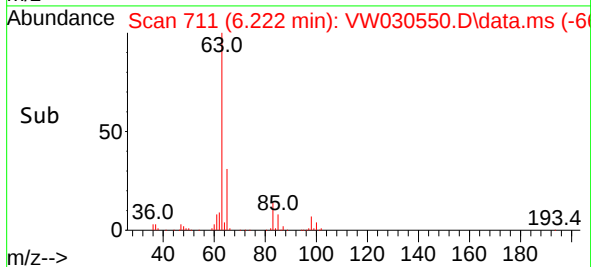
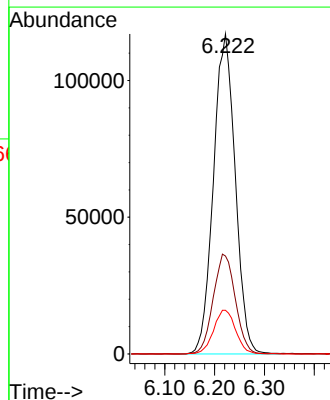
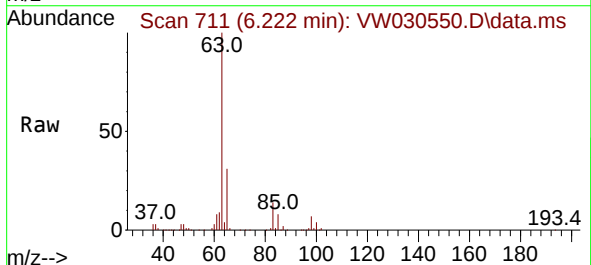
Instrument :
MSVOA_W
ClientSampleId :
A4E84DL

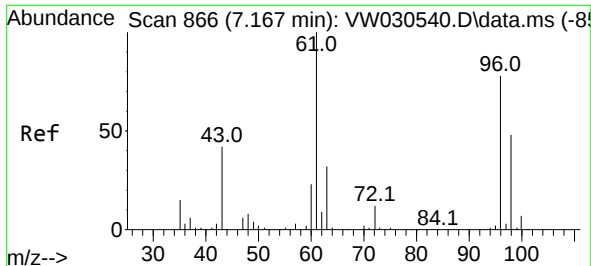
Tgt Ion: 73 Resp: 129708
Ion Ratio Lower Upper
73 100
43 22.7 18.1 27.1
57 22.5 17.7 26.5



#19
1,1-Dichloroethane
Concen: 42.172 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

Tgt Ion: 63 Resp: 355122
Ion Ratio Lower Upper
63 100
65 30.6 22.5 41.9
83 13.7 9.8 18.2

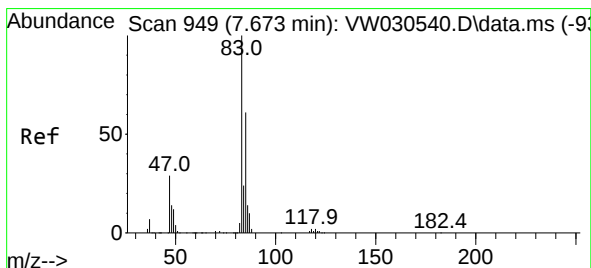
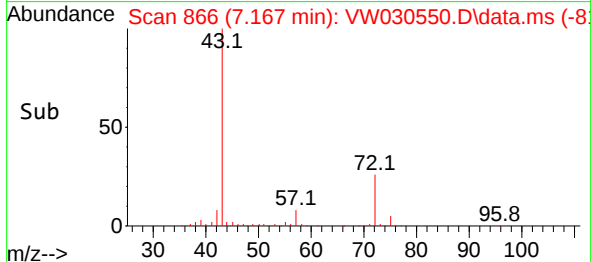
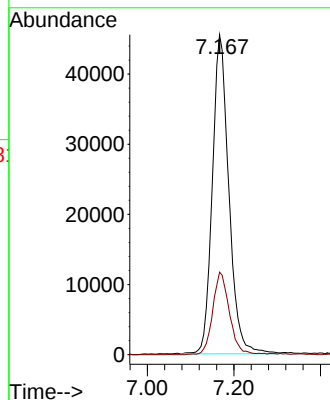
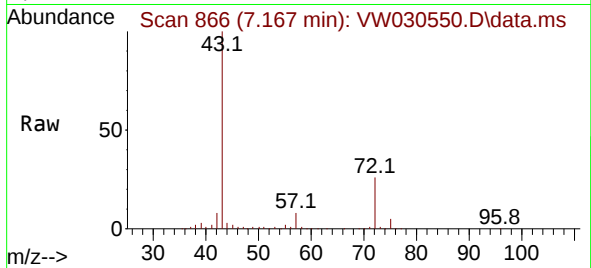




#22
2-Butanone
Concen: 86.272 ug/L
RT: 7.167 min Scan# 80
Delta R.T. -0.000 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

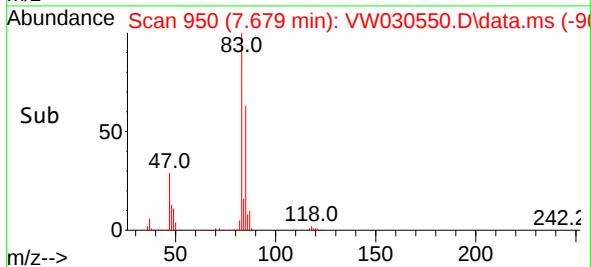
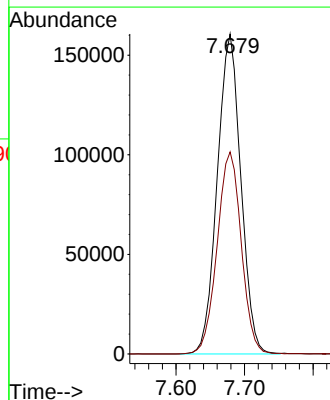
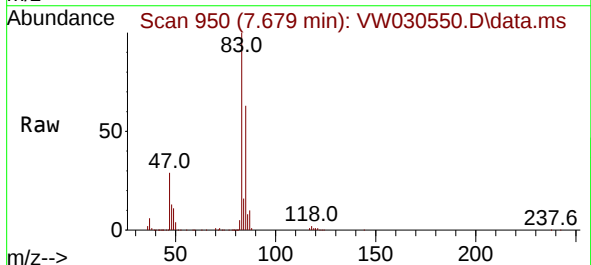
Instrument :
MSVOA_W
ClientSampleId :
A4E84DL

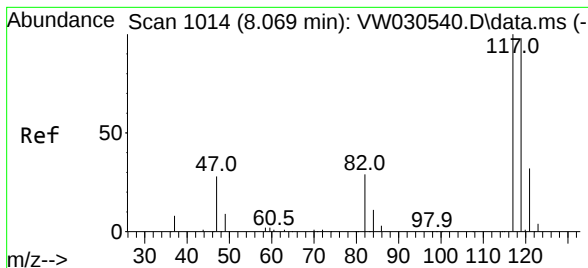
Tgt Ion: 43 Resp: 120528
Ion Ratio Lower Upper
43 100
72 25.8 14.4 43.0



#25
Chloroform
Concen: 42.582 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

Tgt Ion: 83 Resp: 383188
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.7





#31

Carbon tetrachloride

Concen: 7.398 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

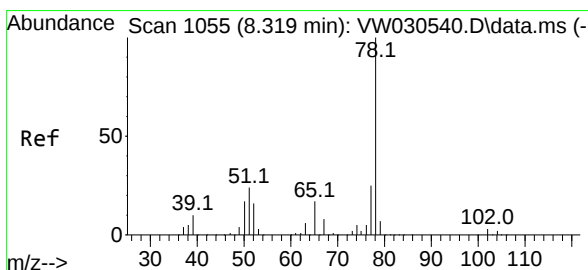
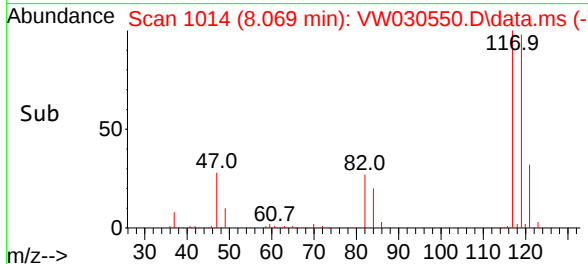
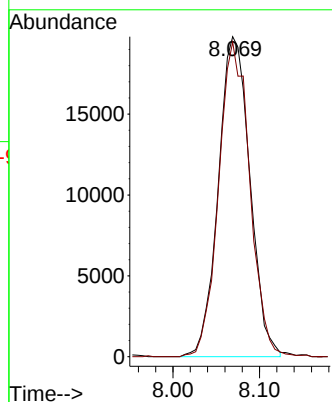
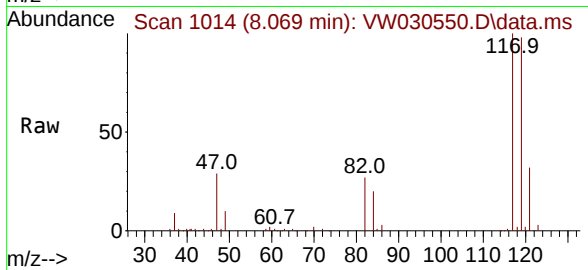
A4E84DL

Tgt Ion:117 Resp: 50098

Ion Ratio Lower Upper

117 100

119 96.9 77.8 116.8



#33

Benzene

Concen: 31.377 ug/L

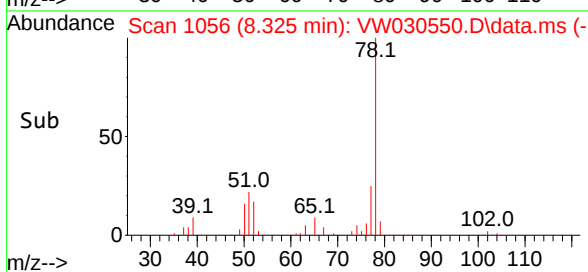
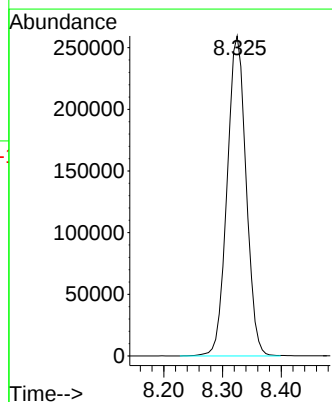
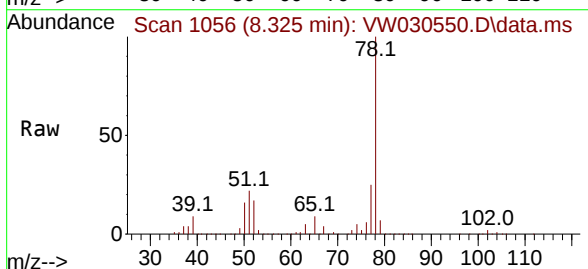
RT: 8.325 min Scan# 1056

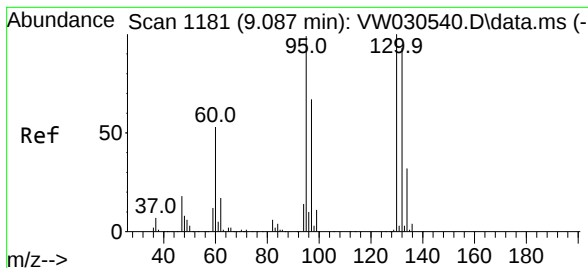
Delta R.T. 0.006 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Tgt Ion: 78 Resp: 583178





#34

Trichloroethene

Concen: 44.221 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

A4E84DL

Tgt Ion: 95 Resp: 228662

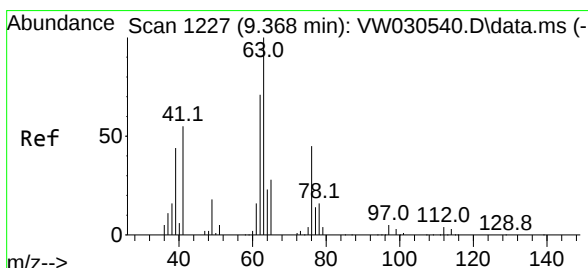
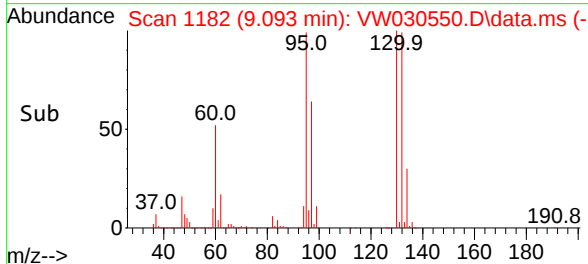
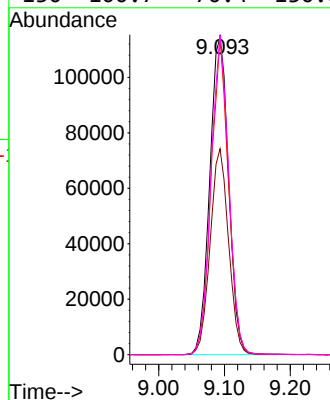
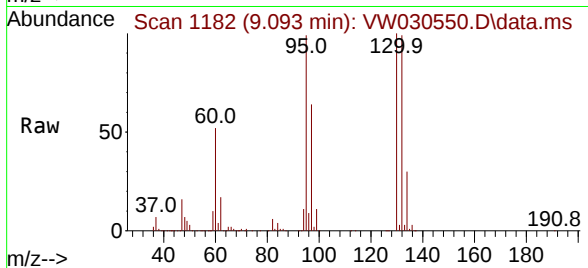
Ion Ratio Lower Upper

95 100

97 64.8 45.9 85.3

132 100.0 66.4 123.2

130 100.7 70.4 130.8



#37

1,2-Dichloropropane

Concen: 17.609 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030550.D

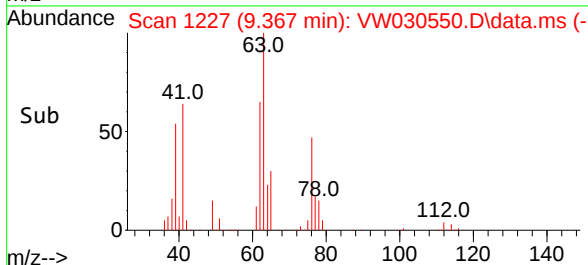
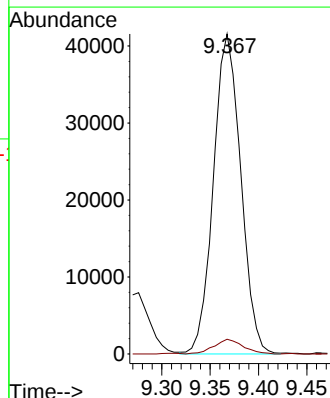
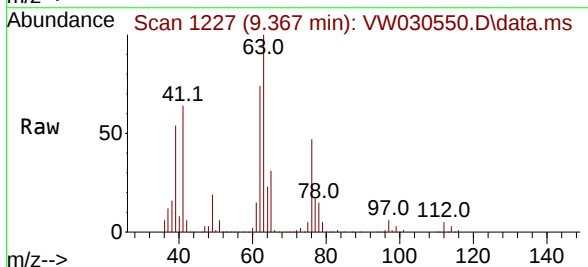
Acq: 11 Oct 2024 15:38

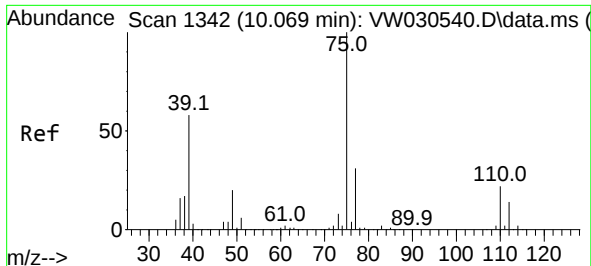
Tgt Ion: 63 Resp: 81744

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 30.623 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

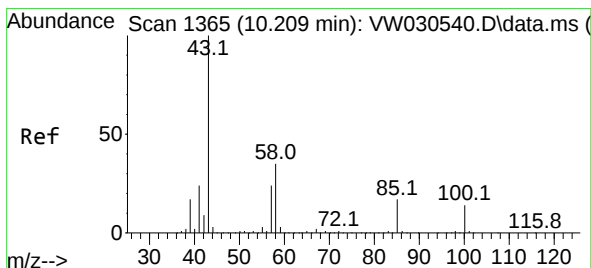
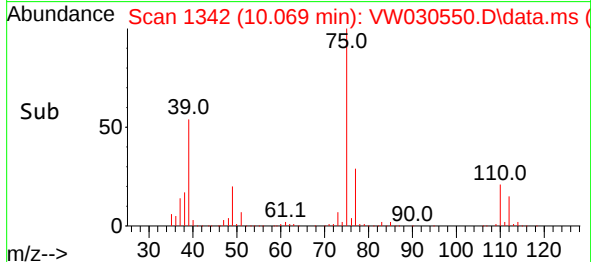
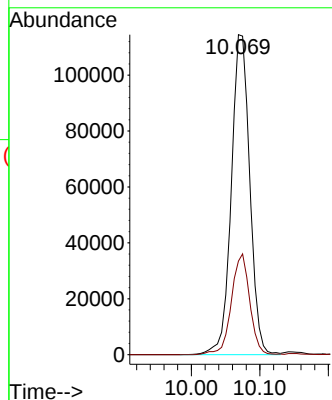
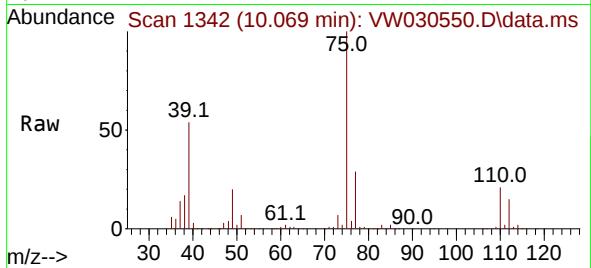
A4E84DL

Tgt Ion: 75 Resp: 214422

Ion Ratio Lower Upper

75 100

77 29.2 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 72.932 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

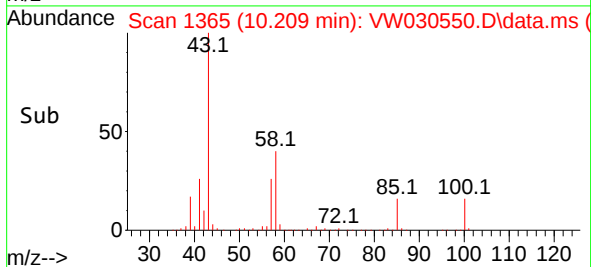
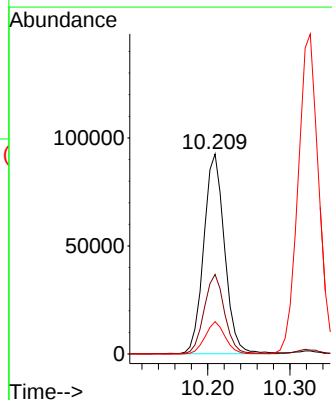
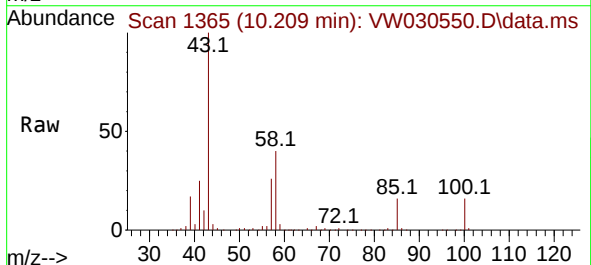
Tgt Ion: 43 Resp: 162645

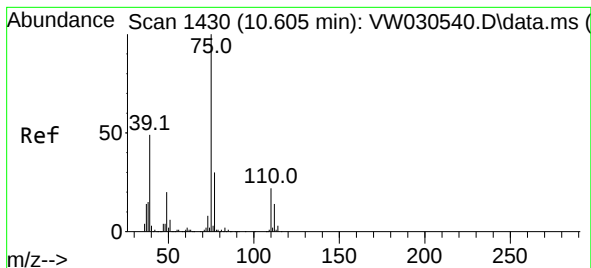
Ion Ratio Lower Upper

43 100

58 39.2 31.4 47.2

100 15.6 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 34.098 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

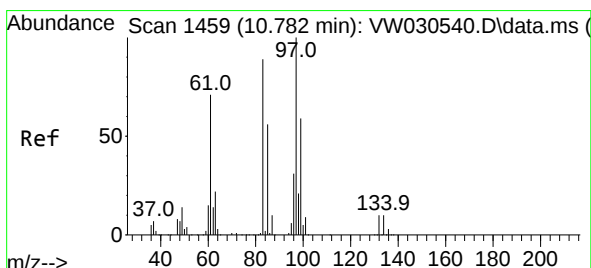
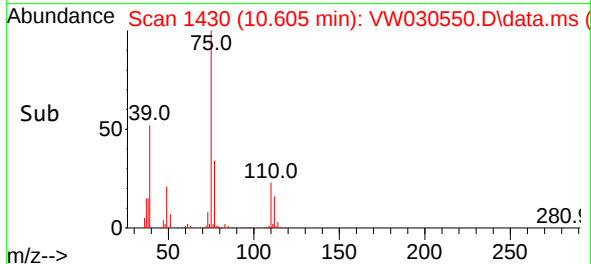
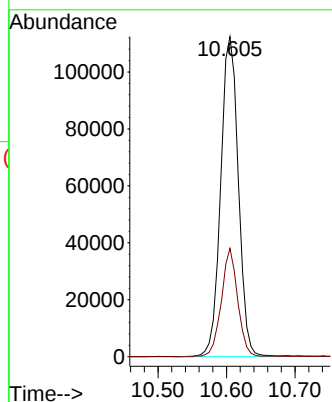
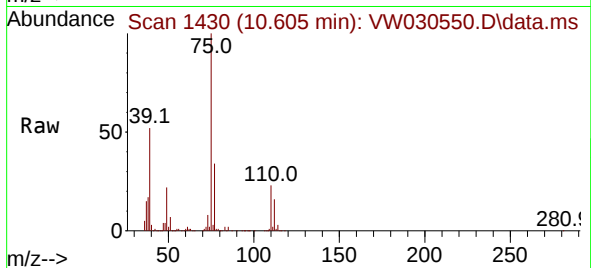
A4E84DL

Tgt Ion: 75 Resp: 200628

Ion Ratio Lower Upper

75 100

77 33.9 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 23.353 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Tgt Ion: 97 Resp: 78349

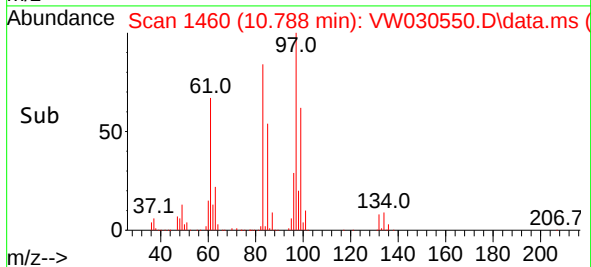
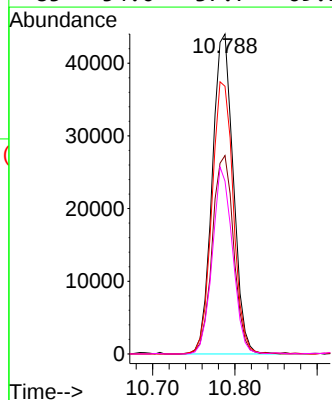
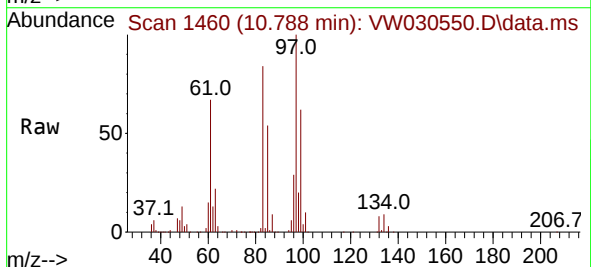
Ion Ratio Lower Upper

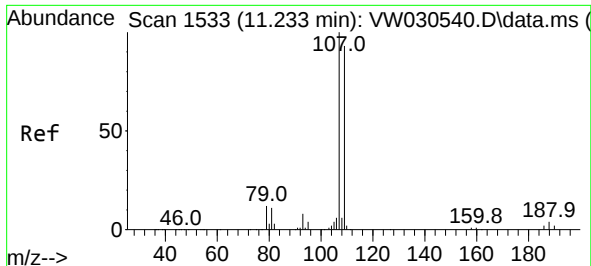
97 100

99 62.0 41.2 76.6

83 83.6 59.6 110.6

85 54.0 37.7 69.9

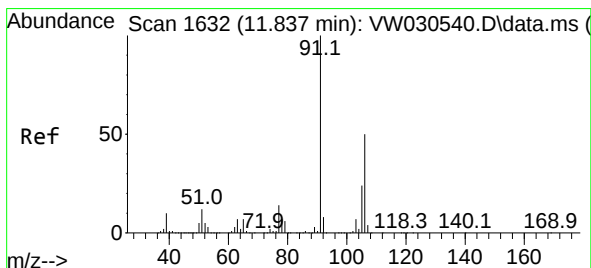
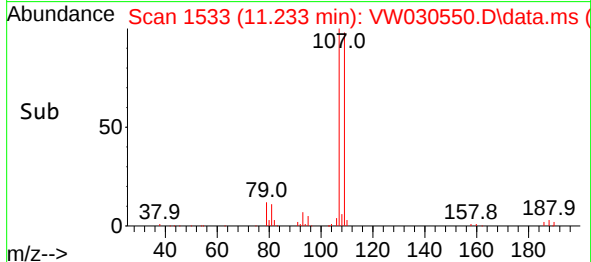
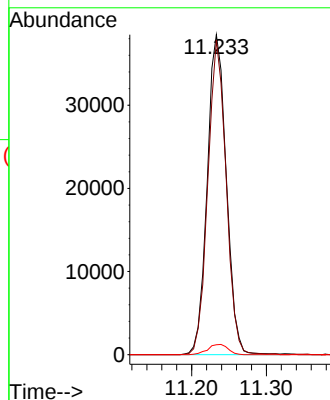
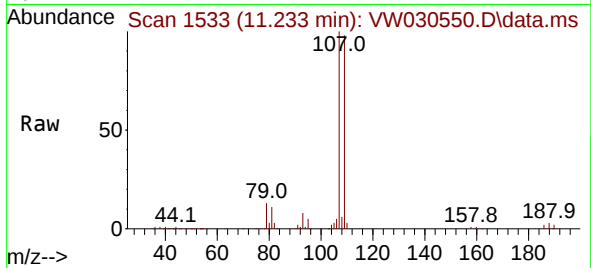




#50
1,2-Dibromoethane
Concen: 21.820 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

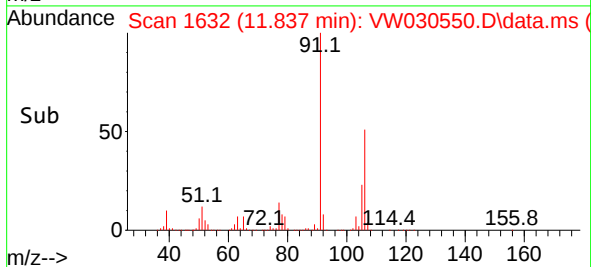
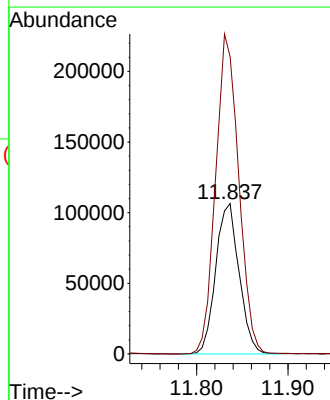
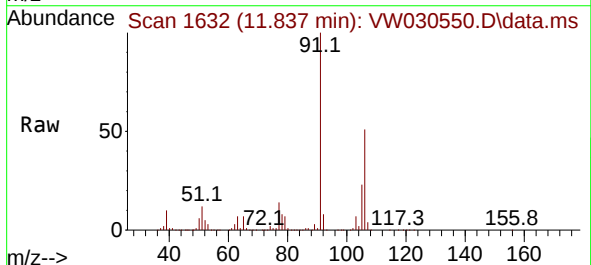
Instrument :
MSVOA_W
ClientSampleId :
A4E84DL

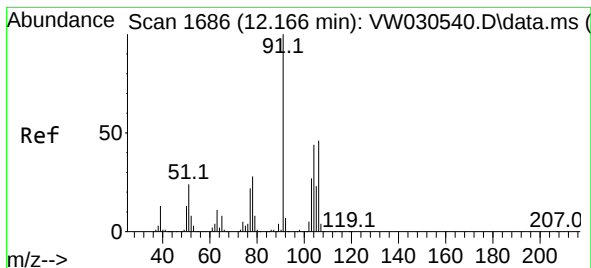
Tgt Ion:107 Resp: 68309
Ion Ratio Lower Upper
107 100
109 98.3 63.8 118.6
188 3.1 2.6 3.8



#53
m,p-Xylene
Concen: 22.348 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW030550.D
Acq: 11 Oct 2024 15:38

Tgt Ion:106 Resp: 189433
Ion Ratio Lower Upper
106 100
91 197.6 140.6 261.2





#54

o-Xylene

Concen: 30.211 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

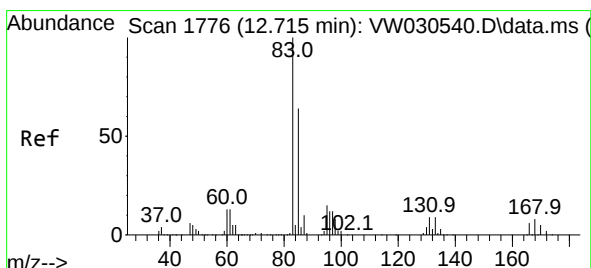
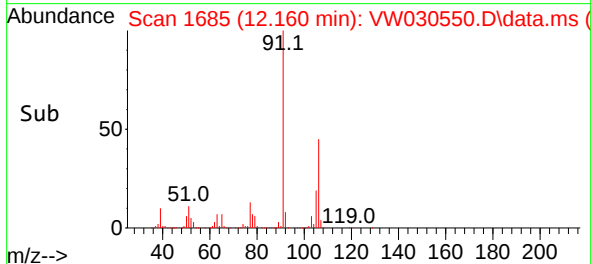
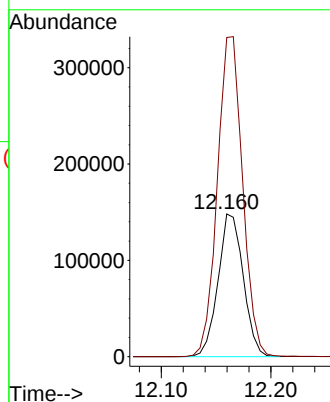
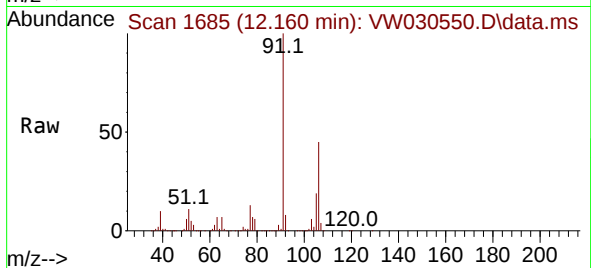
A4E84DL

Tgt Ion:106 Resp: 236754

Ion Ratio Lower Upper

106 100

91 223.7 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 23.676 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

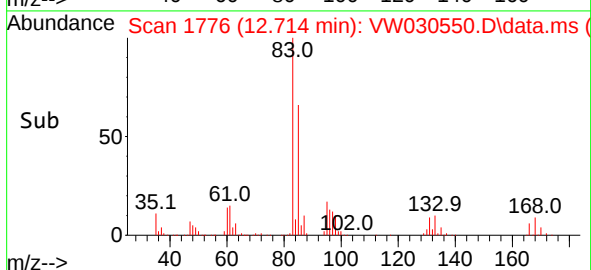
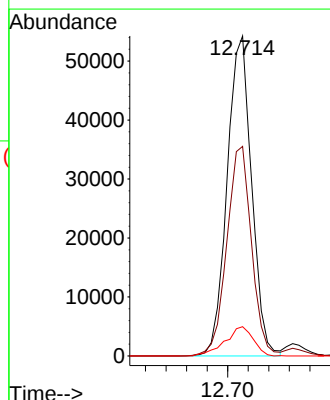
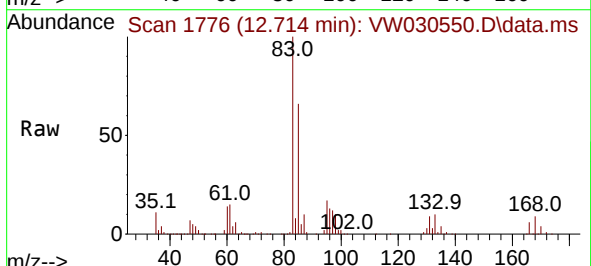
Tgt Ion: 83 Resp: 89574

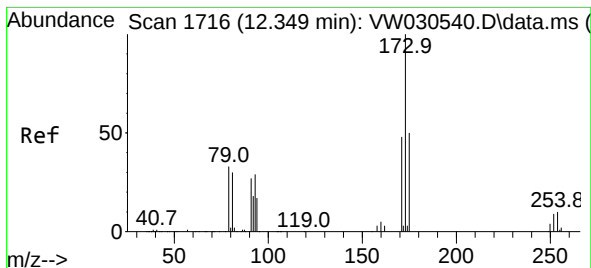
Ion Ratio Lower Upper

83 100

85 65.5 42.6 79.2

131 9.2 7.4 11.0





#59

Bromoform

Concen: 8.522 ug/L

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

A4E84DL

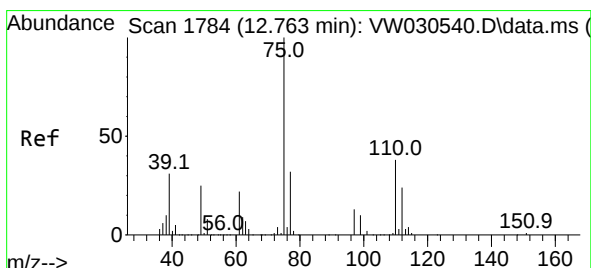
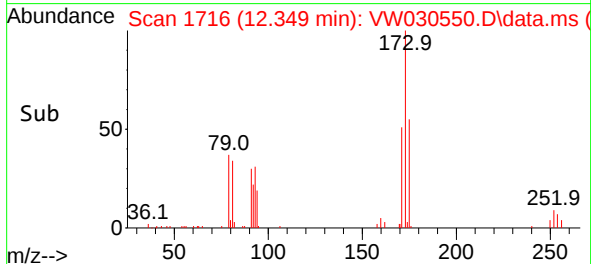
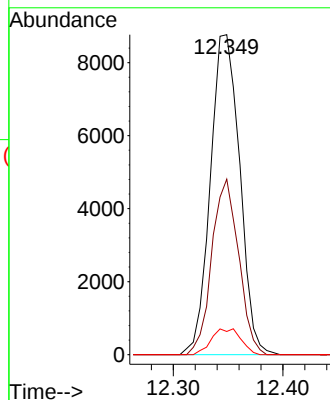
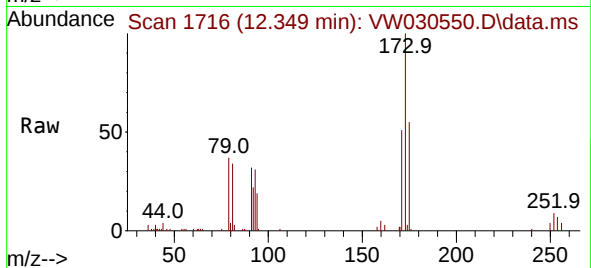
Tgt Ion:173 Resp: 16325

Ion Ratio Lower Upper

173 100

175 50.1 39.0 58.4

254 8.1 7.7 11.5



#61

1,2,3-Trichloropropane

Concen: 38.001 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

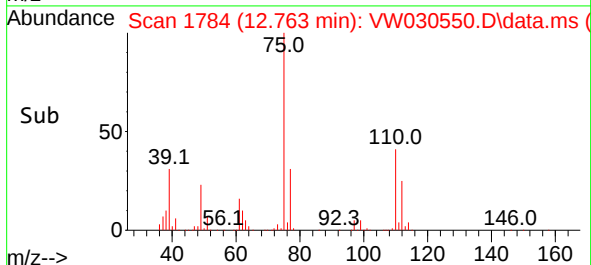
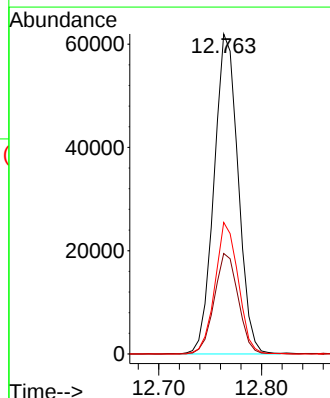
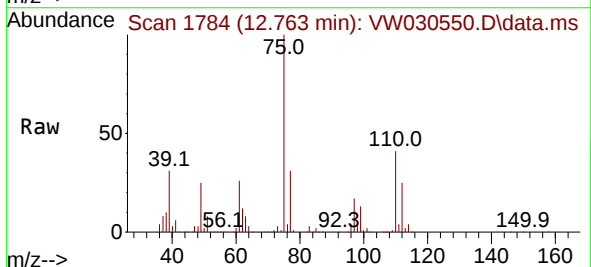
Tgt Ion: 75 Resp: 100819

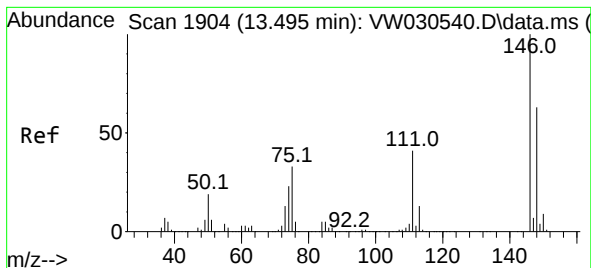
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

110 39.7 32.3 48.5





#64

1,3-Dichlorobenzene

Concen: 18.719 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

A4E84DL

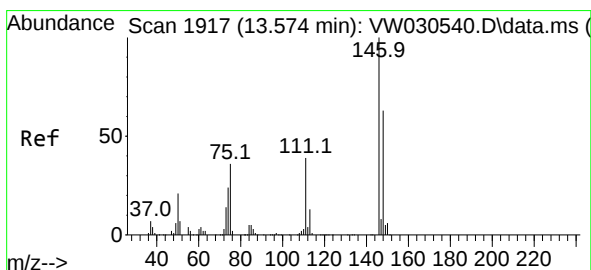
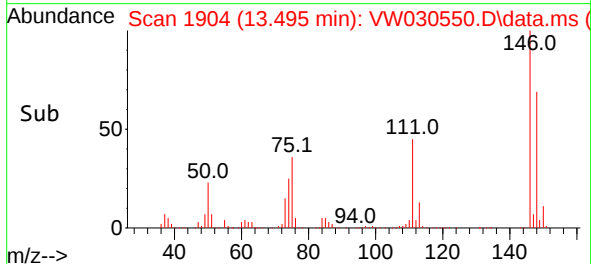
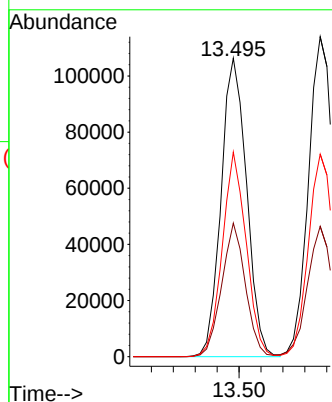
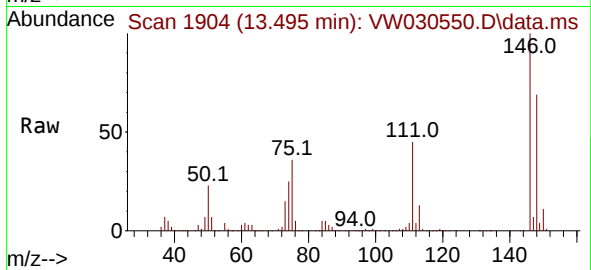
Tgt Ion:146 Resp: 172041

Ion Ratio Lower Upper

146 100

111 44.7 31.2 58.0

148 68.6 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 19.223 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

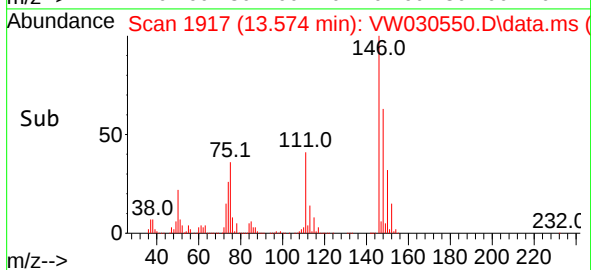
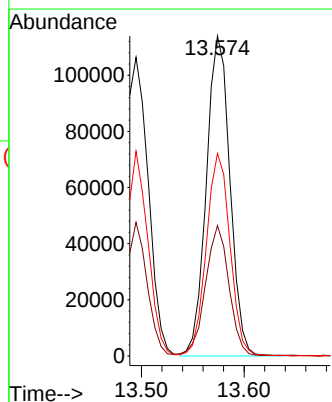
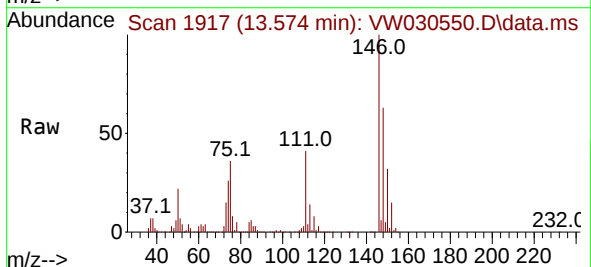
Tgt Ion:146 Resp: 182423

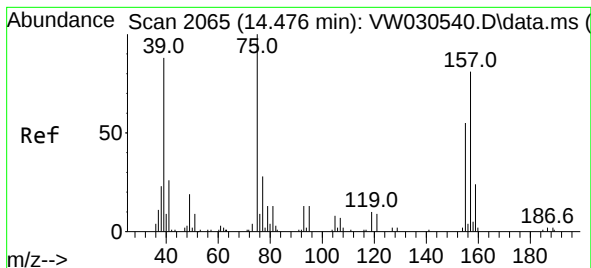
Ion Ratio Lower Upper

146 100

111 40.8 26.8 49.8

148 63.3 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 10.744 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Instrument :

MSVOA_W

ClientSampleId :

A4E84DL

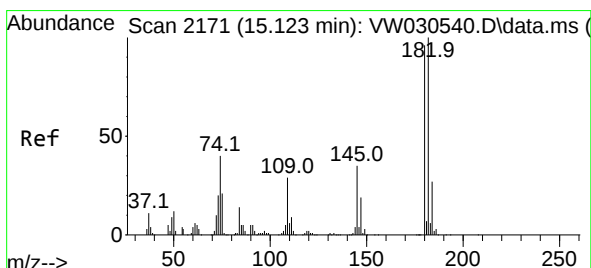
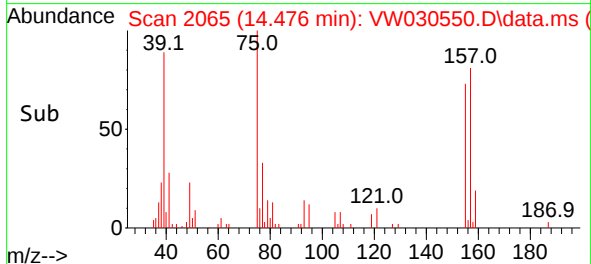
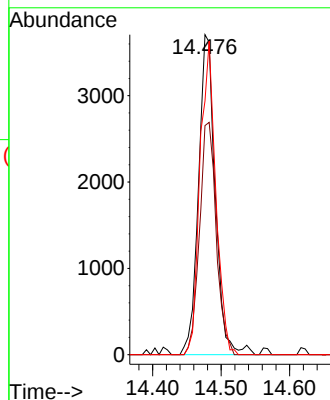
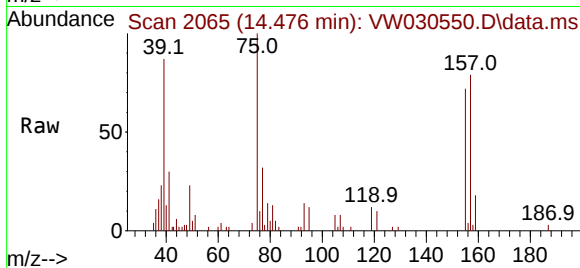
Tgt Ion: 75 Resp: 6356

Ion Ratio Lower Upper

75 100

155 71.6 57.9 86.9

157 79.3 69.0 103.6



#70

1,2,4-trichlorobenzene

Concen: 9.664 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW030550.D

Acq: 11 Oct 2024 15:38

Tgt Ion: 180 Resp: 47149

Ion Ratio Lower Upper

180 100

182 99.2 75.2 112.8

145 33.2 25.4 38.2

