

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101124\
 Data File : VW030544.D
 Acq On : 11 Oct 2024 13:14
 Operator : SY/MD
 Sample : P4352-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E81

Quant Time: Oct 14 01:40:38 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	319957	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	298229	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	148970	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	103087	20.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.000%
7) Chloroethane-d5	2.899	69	86089	22.614	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.440%
11) 1,1-Dichloroethene-d2	4.021	65	41741	19.955	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.800%
21) 2-Butanone-d5	7.075	46	44587	49.263	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.520%
24) Chloroform-d	7.648	84	226835	24.790	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.160%
26) 1,2-Dichloroethane-d4	8.306	65	111001	23.329	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.320%
32) Benzene-d6	8.276	84	371375	21.455	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.840%
36) 1,2-Dichloropropane-d6	9.270	67	112730	22.189	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.760%
41) Toluene-d8	10.324	98	362357	22.932	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.720%
43) trans-1,3-Dichloroprop...	10.574	79	48438	22.769	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.080%
47) 2-Hexanone-d5	10.922	63	35178	53.760	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.520%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	93208	24.982	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.920%
66) 1,2-Dichlorobenzene-d4	13.854	152	106118	21.053	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.200%

Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.045	96	155743	36.281	ug/L	82
13) Acetone	4.118	43	76760	57.930	ug/L	97
16) Methylene chloride	4.917	84	341185	70.535	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	125880	27.176	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	273258	42.151	ug/L	100
19) 1,1-Dichloroethane	6.221	63	691972	80.377	ug/L	99
22) 2-Butanone	7.166	43	271542	190.115	ug/L	94
25) Chloroform	7.678	83	745623	81.045	ug/L	99
31) Carbon tetrachloride	8.075	117	98876	13.984	ug/L	99
33) Benzene	8.325	78	1125935	58.016	ug/L	100
34) Trichloroethene	9.093	95	445261	82.467	ug/L	95
37) 1,2-Dichloropropane	9.367	63	160792	33.173	ug/L	98
39) cis-1,3-Dichloropropene	10.074	75	430138	58.833	ug/L	98
40) 4-Methyl-2-pentanone	10.208	43	366720	157.486	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	418393	68.101	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	159142	45.429	ug/L	97
50) 1,2-Dibromoethane	11.233	107	140073	42.852	ug/L	98
53) m,p-Xylene	11.830	106	388081	43.846	ug/L	93
54) o-Xylene	12.159	106	484964	59.266	ug/L	93

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QLast Update : Mon Oct 14 01:34:28 2024
Response via : Initial Calibration

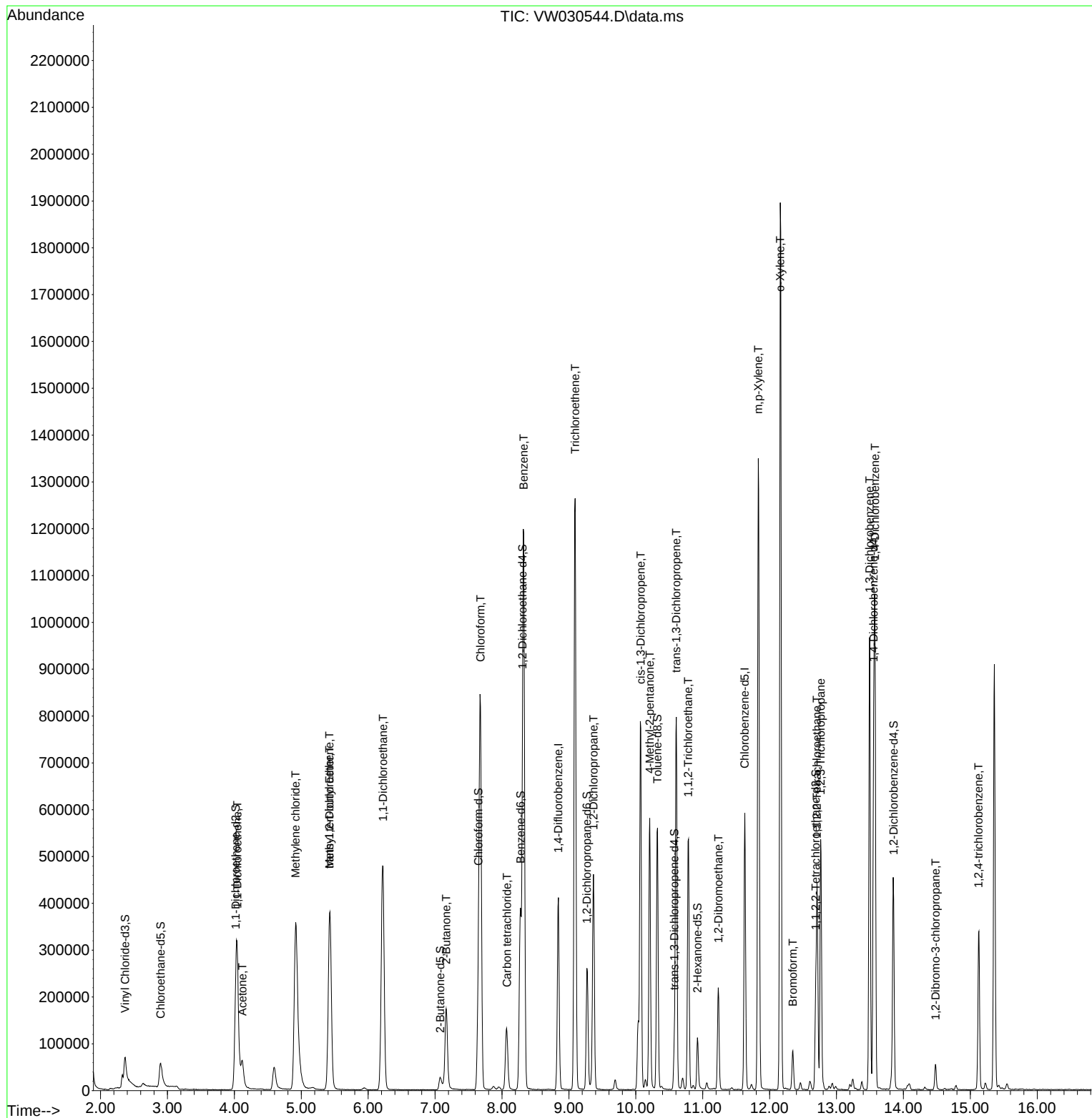
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	189615	47.998	ug/L	99
59) Bromoform	12.348	173	34440	16.455	ug/L #	96
61) 1,2,3-Trichloropropane	12.763	75	209426	72.246	ug/L	98
64) 1,3-Dichlorobenzene	13.494	146	353895	35.242	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	346198	33.389	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.482	75	13235	20.476	ug/L	92
70) 1,2,4-trichlorobenzene	15.122	180	100227	18.801	ug/L	99

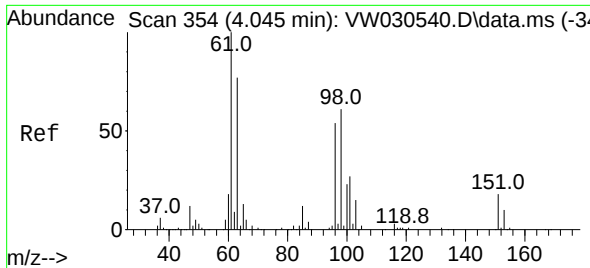
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 36.281 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

A4E81

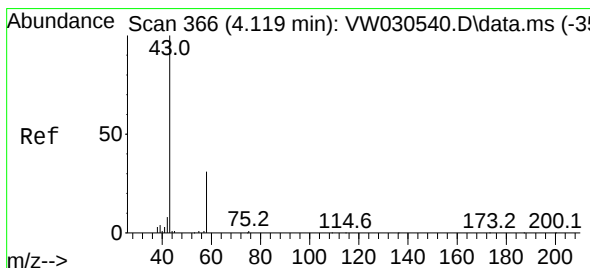
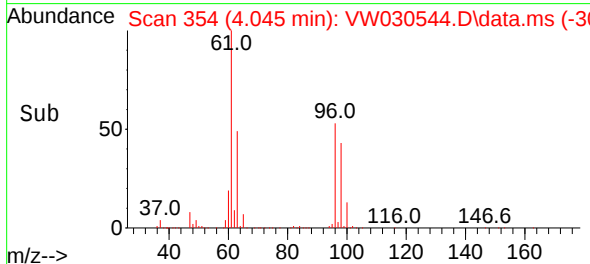
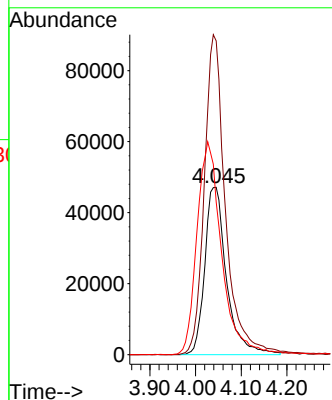
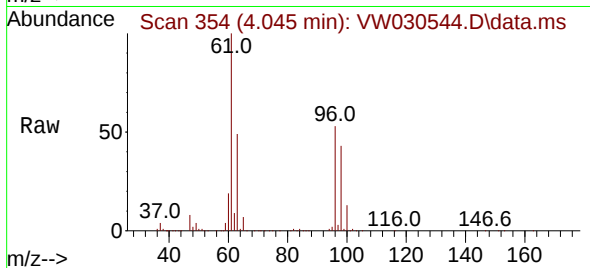
Tgt Ion: 96 Resp: 155743

Ion Ratio Lower Upper

96 100

61 187.6 121.3 225.3

63 91.3 87.6 162.8



#13

Acetone

Concen: 57.930 ug/L

RT: 4.118 min Scan# 366

Delta R.T. -0.000 min

Lab File: VW030544.D

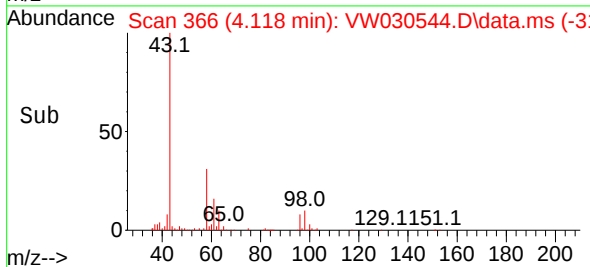
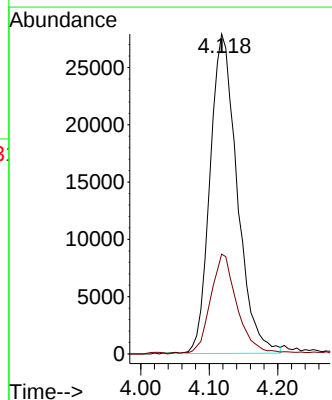
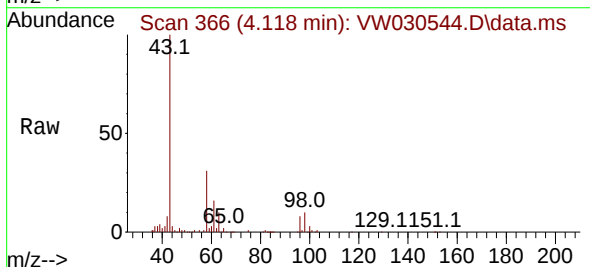
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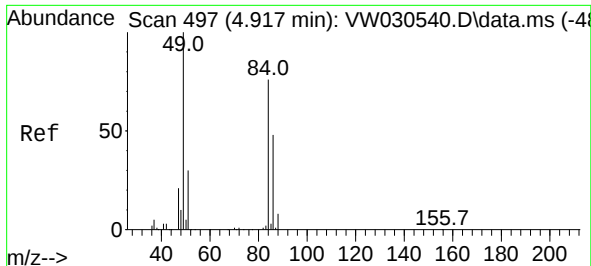
Tgt Ion: 43 Resp: 76760

Ion Ratio Lower Upper

43 100

58 30.6 0.0 57.6

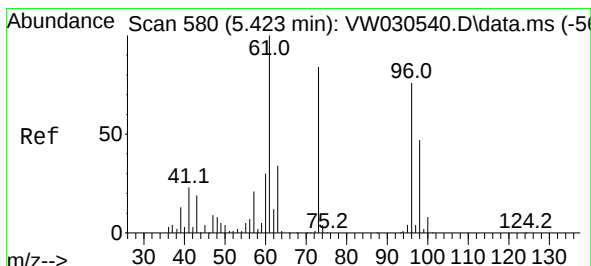
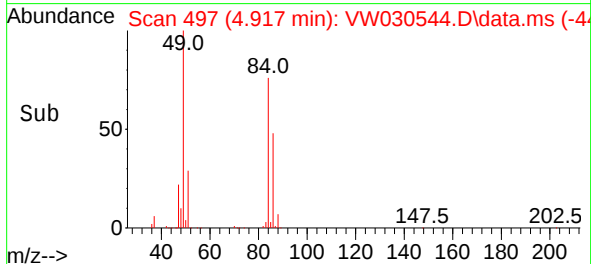
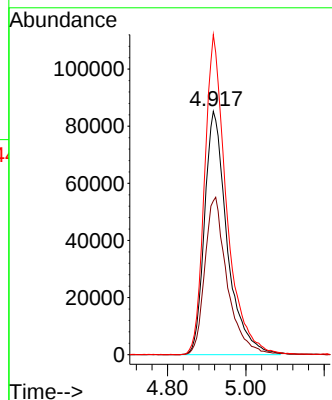
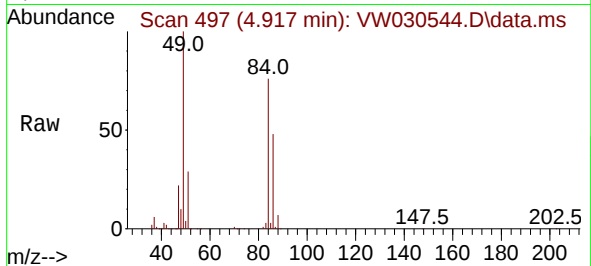




#16
Methylene chloride
Concen: 70.535 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

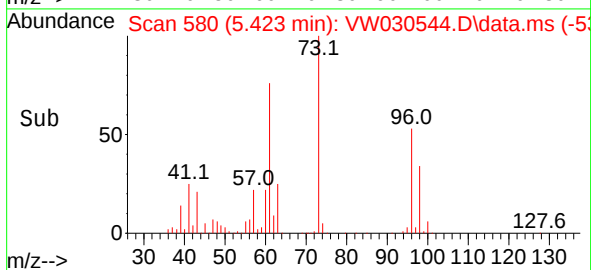
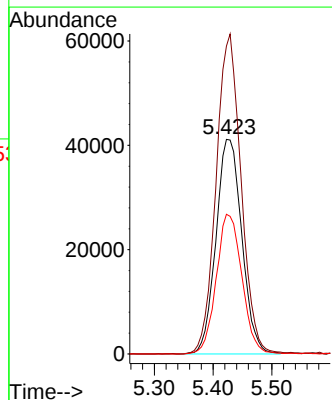
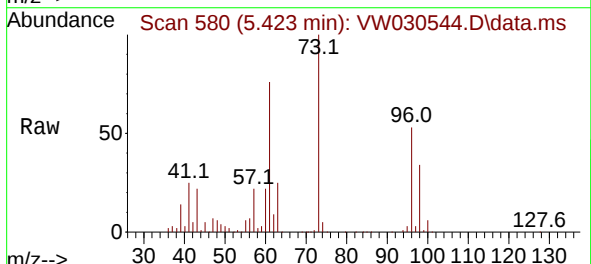
Instrument :
MSVOA_W
ClientSampleId :
A4E81

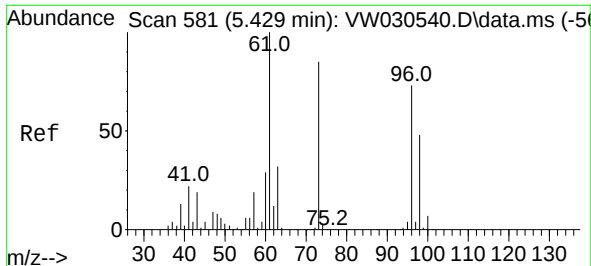
Tgt Ion: 84 Resp: 341185
Ion Ratio Lower Upper
84 100
86 63.2 43.8 81.3
49 131.5 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 27.176 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion: 96 Resp: 125880
Ion Ratio Lower Upper
96 100
61 143.5 96.9 179.9
98 65.1 42.2 78.4

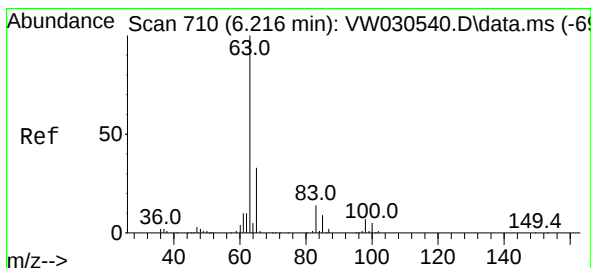
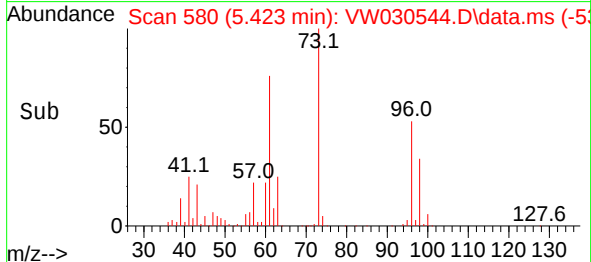
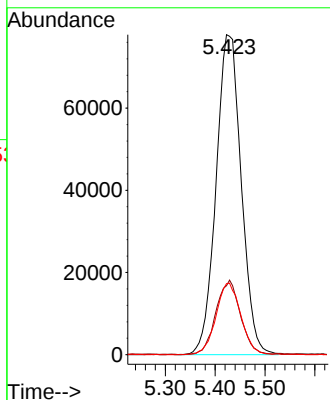
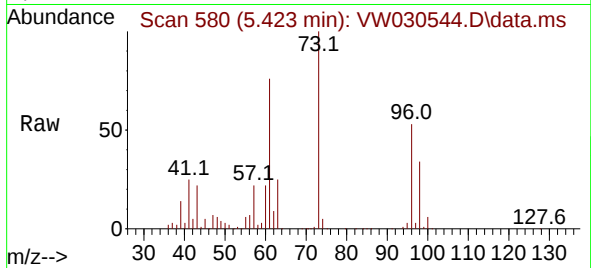




#18
Methyl tert-butyl Ether
Concen: 42.151 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.007 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

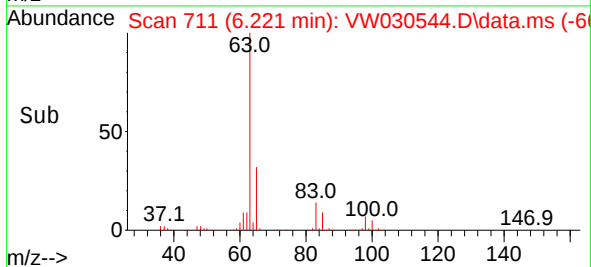
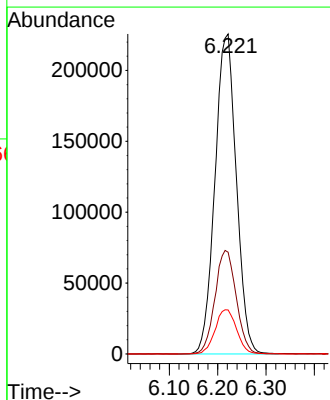
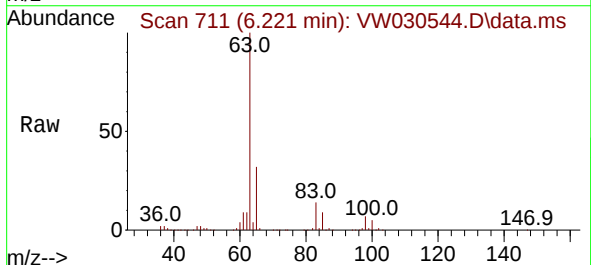
Instrument :
MSVOA_W
ClientSampleId :
A4E81

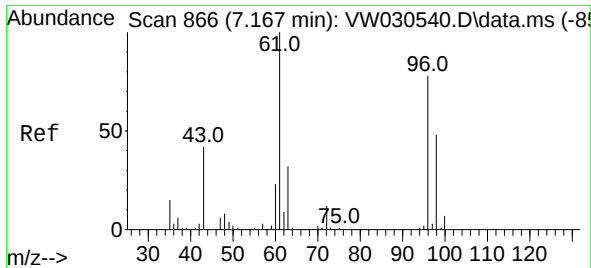
Tgt Ion: 73 Resp: 273258
Ion Ratio Lower Upper
73 100
43 22.5 18.1 27.1
57 22.1 17.7 26.5



#19
1,1-Dichloroethane
Concen: 80.377 ug/L
RT: 6.221 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion: 63 Resp: 691972
Ion Ratio Lower Upper
63 100
65 31.8 22.5 41.9
83 13.8 9.8 18.2

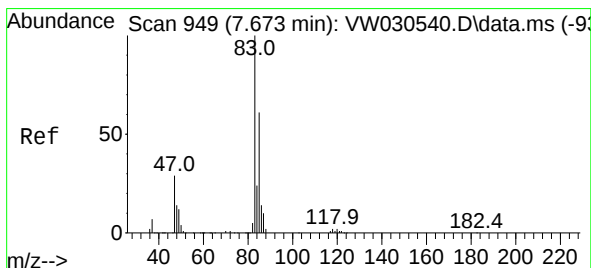
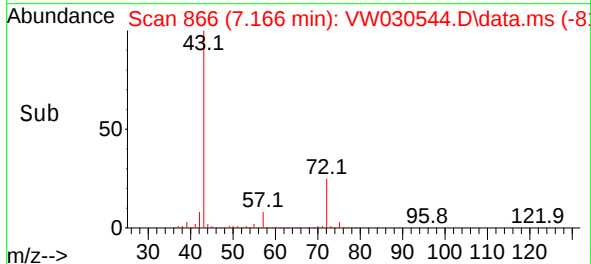
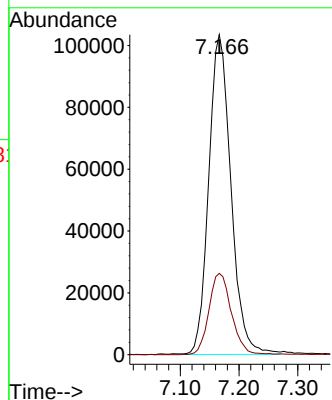
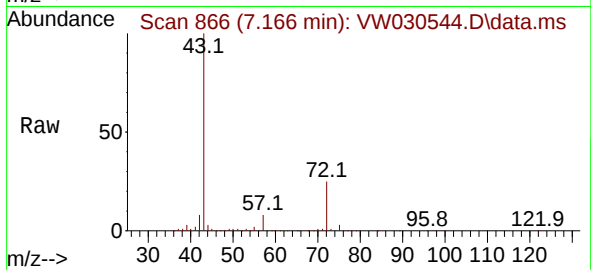




#22
2-Butanone
Concen: 190.115 ug/L
RT: 7.166 min Scan# 80
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

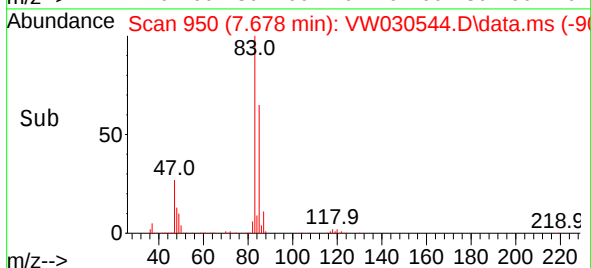
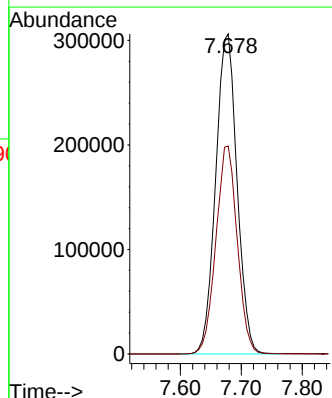
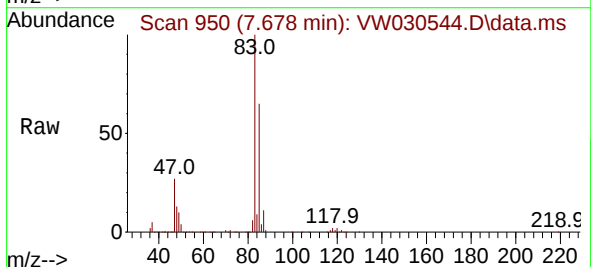
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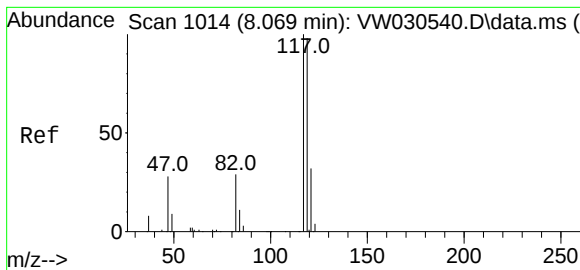
Tgt Ion: 43 Resp: 271542
Ion Ratio Lower Upper
43 100
72 25.7 14.4 43.0



#25
Chloroform
Concen: 81.045 ug/L
RT: 7.678 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion: 83 Resp: 745623
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.7

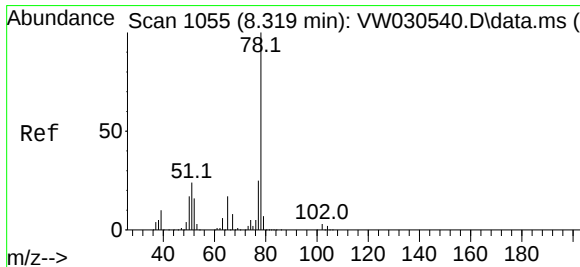
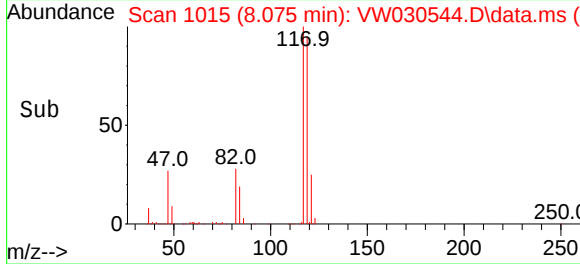
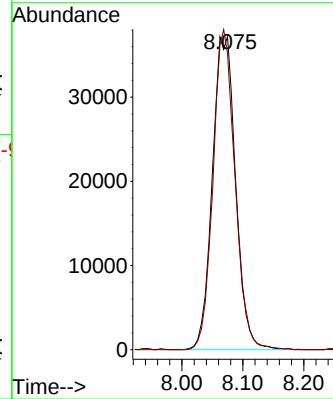
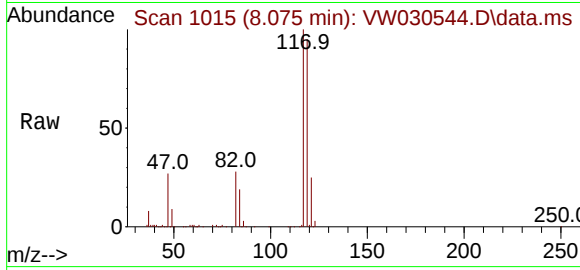




#31
Carbon tetrachloride
Concen: 13.984 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

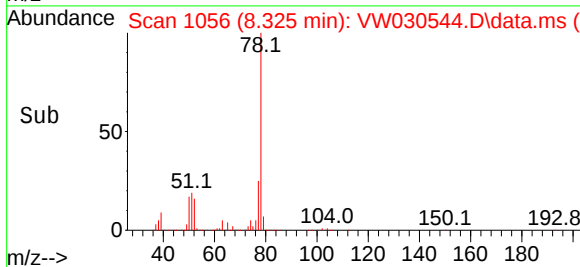
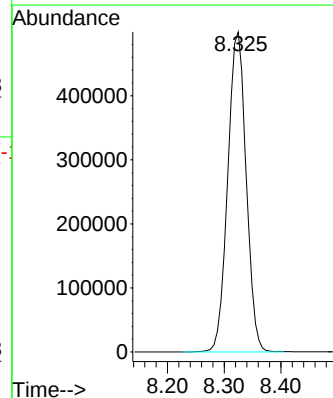
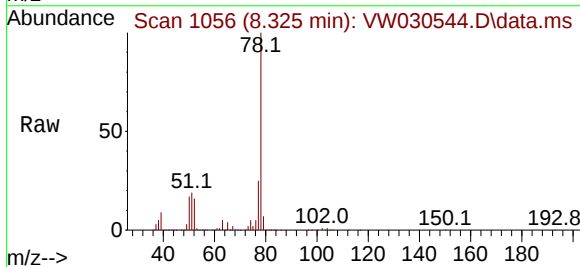
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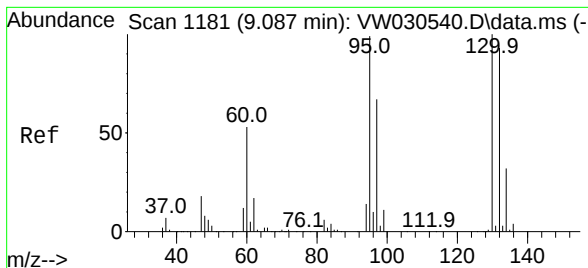
Tgt Ion:117 Resp: 98876
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.8



#33
Benzene
Concen: 58.016 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion: 78 Resp: 1125935





#34

Trichloroethene

Concen: 82.467 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

A4E81

Tgt Ion: 95 Resp: 445261

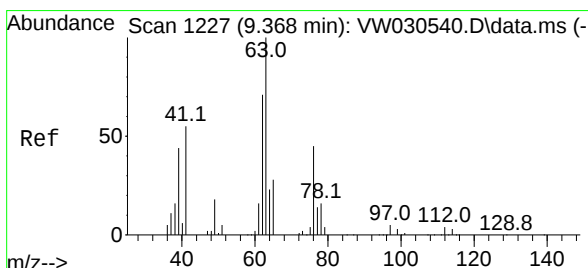
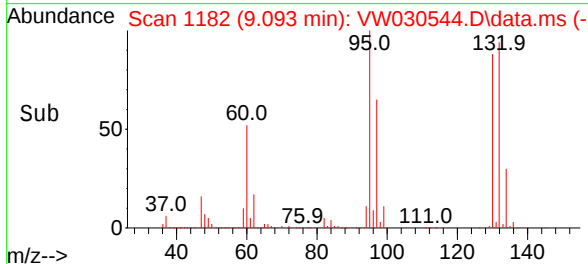
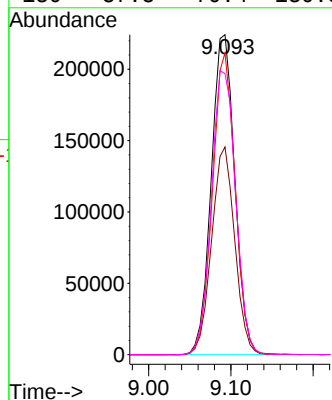
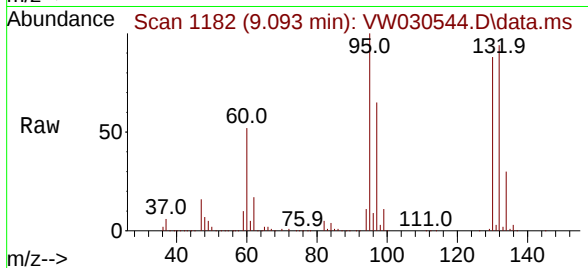
Ion Ratio Lower Upper

95 100

97 64.9 45.9 85.3

132 94.3 66.4 123.2

130 87.8 70.4 130.8



#37

1,2-Dichloropropane

Concen: 33.173 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030544.D

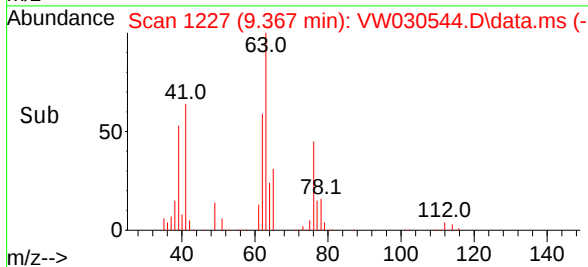
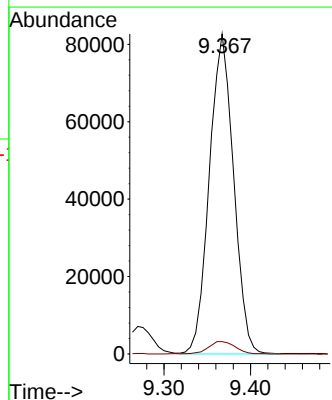
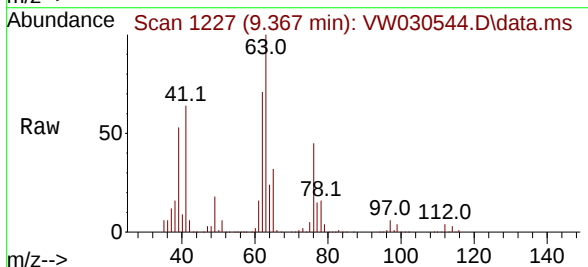
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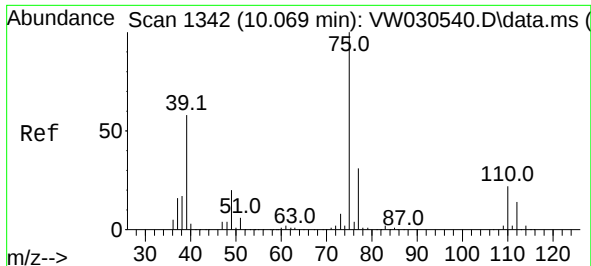
Tgt Ion: 63 Resp: 160792

Ion Ratio Lower Upper

63 100

112 4.1 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 58.833 ug/L

RT: 10.074 min Scan# 1342

Delta R.T. 0.006 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

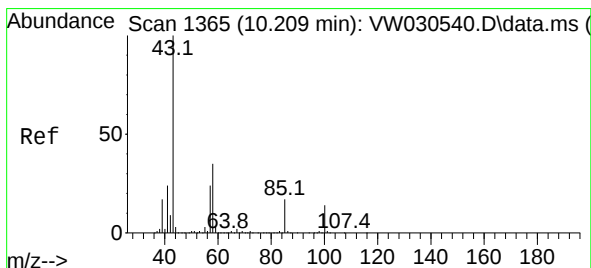
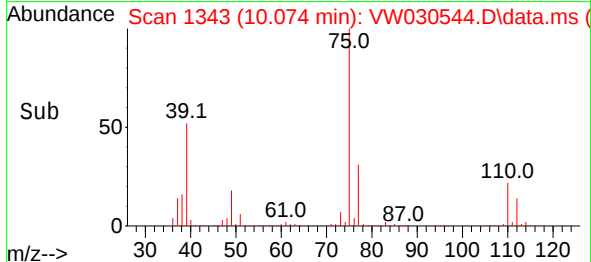
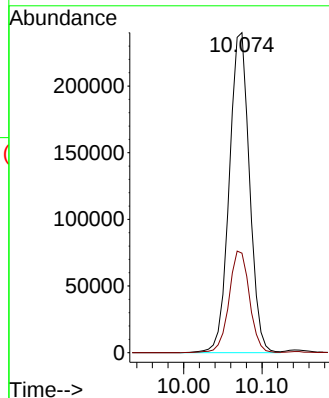
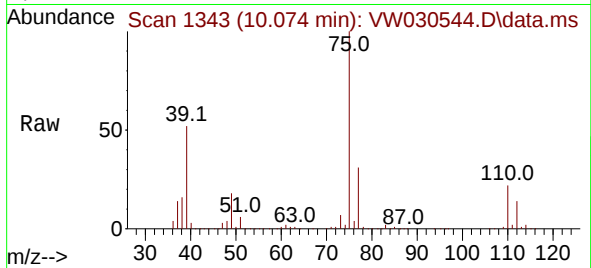
A4E81

Tgt Ion: 75 Resp: 430138

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 157.486 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

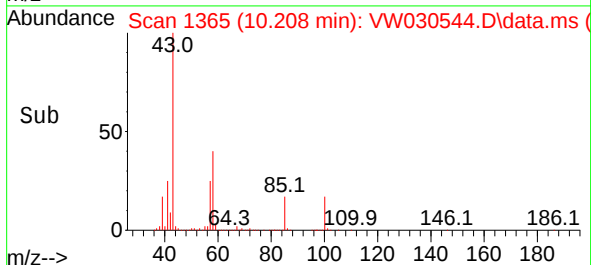
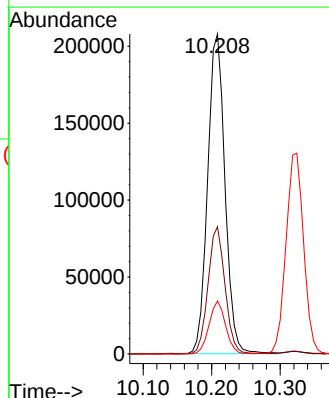
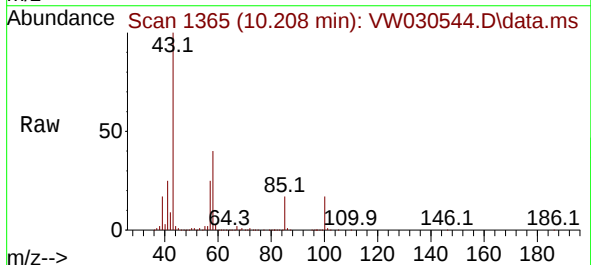
Tgt Ion: 43 Resp: 366720

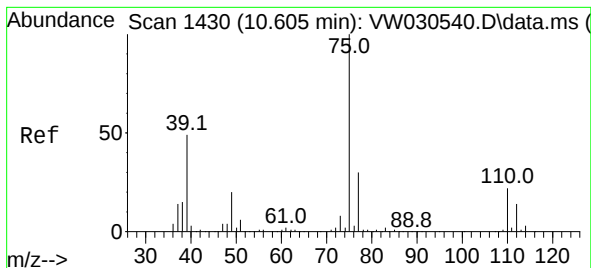
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 15.8 13.1 19.7

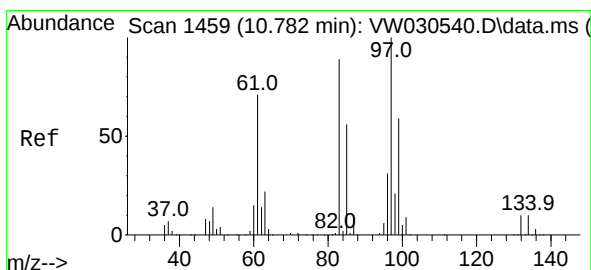
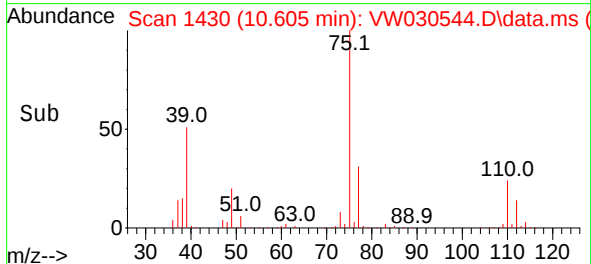
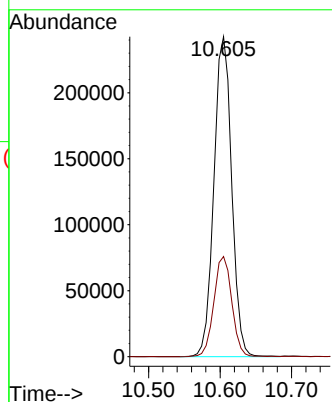
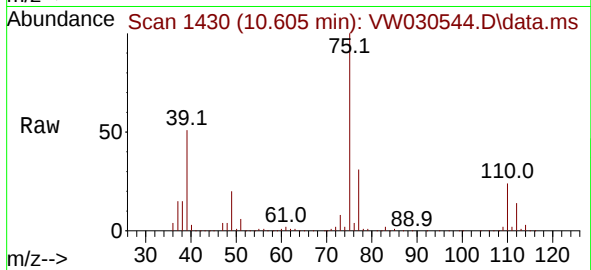




#44
trans-1,3-Dichloropropene
Concen: 68.101 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

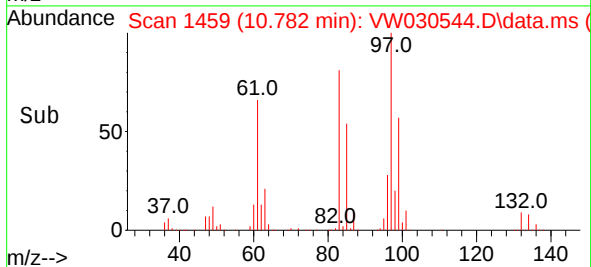
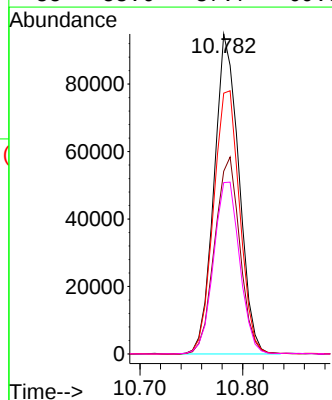
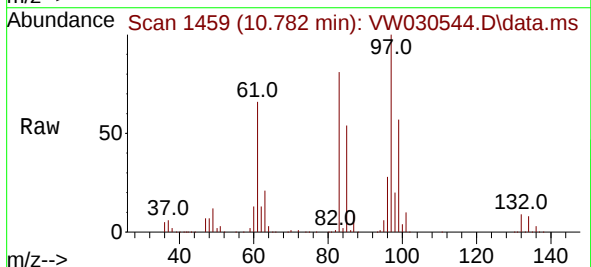
Instrument :
MSVOA_W
ClientSampleId :
A4E81

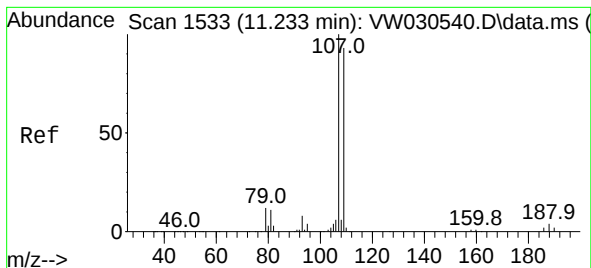
Tgt Ion: 75 Resp: 418393
Ion Ratio Lower Upper
75 100
77 31.3 21.6 40.2



#45
1,1,2-Trichloroethane
Concen: 45.429 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion: 97 Resp: 159142
Ion Ratio Lower Upper
97 100
99 57.1 41.2 76.6
83 81.5 59.6 110.6
85 53.6 37.7 69.9





#50

1,2-Dibromoethane

Concen: 42.852 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

A4E81

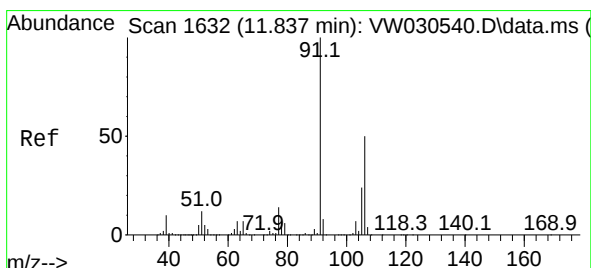
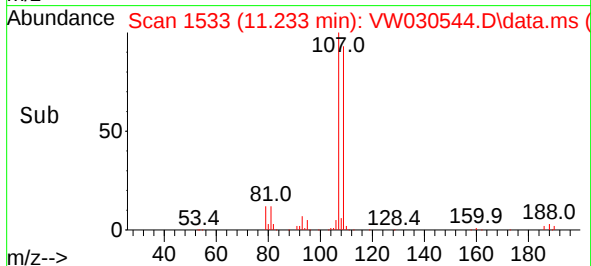
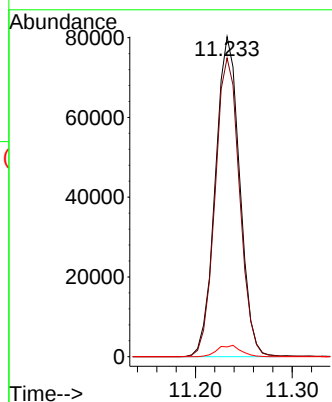
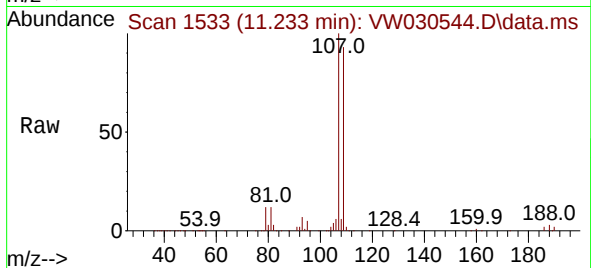
Tgt Ion:107 Resp: 140073

Ion Ratio Lower Upper

107 100

109 93.4 63.8 118.6

188 3.0 2.6 3.8



#53

m,p-Xylene

Concen: 43.846 ug/L

RT: 11.830 min Scan# 1631

Delta R.T. -0.007 min

Lab File: VW030544.D

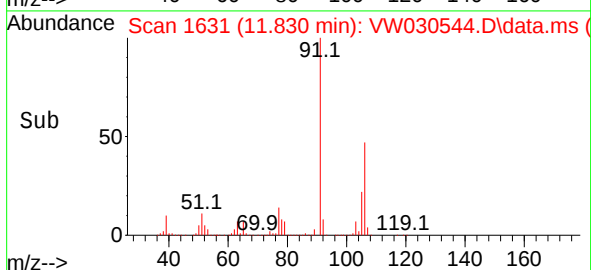
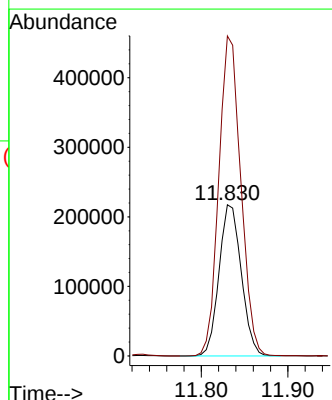
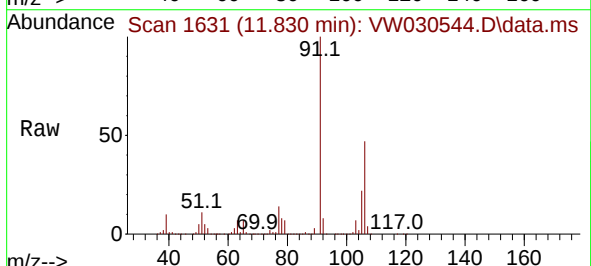
Acq: 11 Oct 2024 13:14

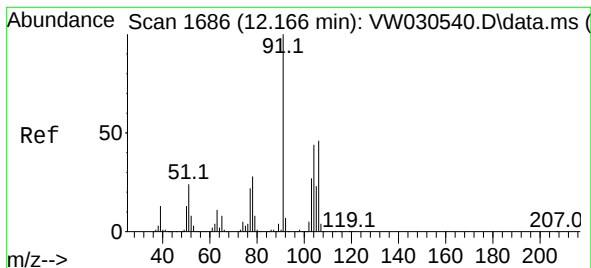
Tgt Ion:106 Resp: 388081

Ion Ratio Lower Upper

106 100

91 211.7 140.6 261.2

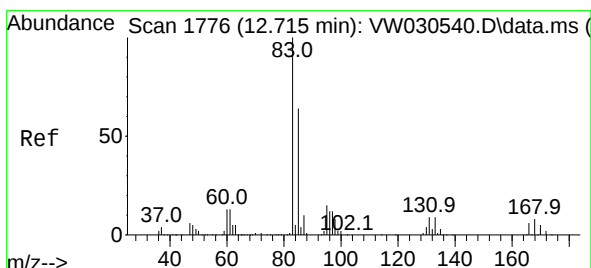
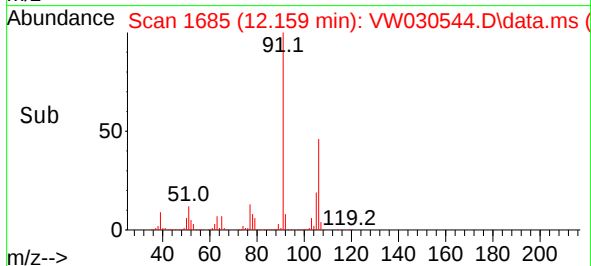
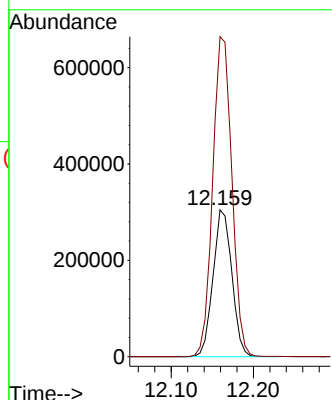
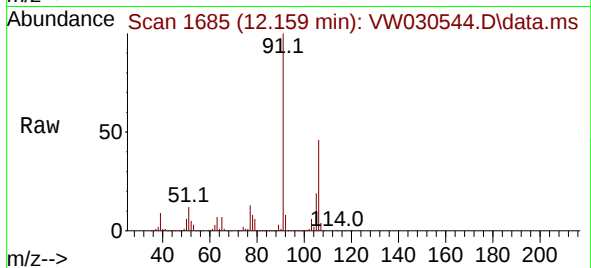




#54
o-Xylene
Concen: 59.266 ug/L
RT: 12.159 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

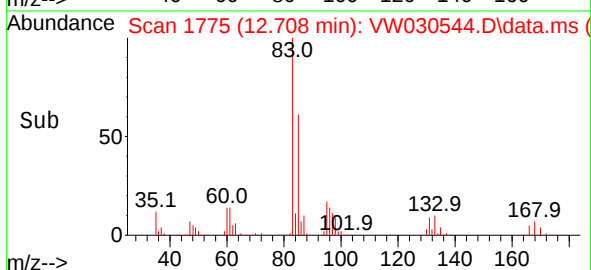
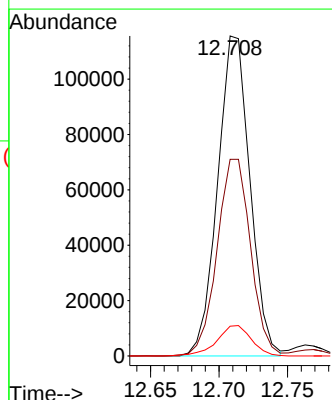
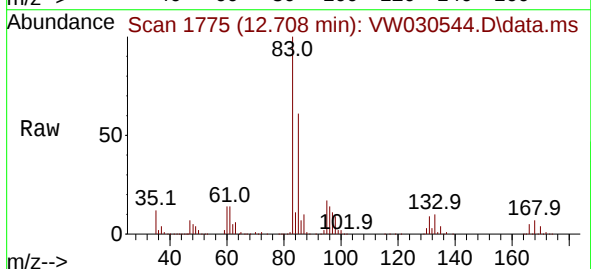
Instrument :
MSVOA_W
ClientSampleId :
A4E81

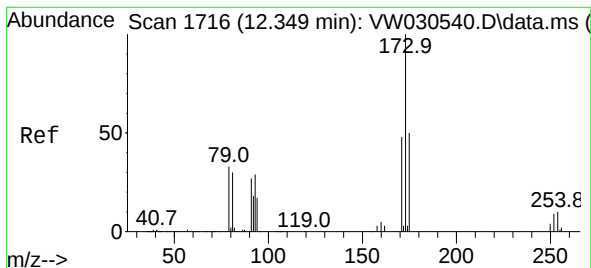
Tgt Ion:106 Resp: 484964
Ion Ratio Lower Upper
106 100
91 217.8 144.5 268.4



#57
1,1,2,2-Tetrachloroethane
Concen: 47.998 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.007 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion: 83 Resp: 189615
Ion Ratio Lower Upper
83 100
85 61.4 42.6 79.2
131 9.3 7.4 11.0





#59

Bromoform

Concen: 16.455 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

A4E81

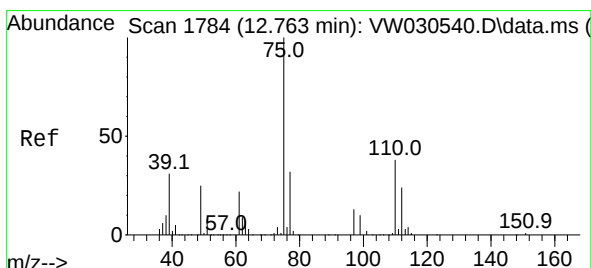
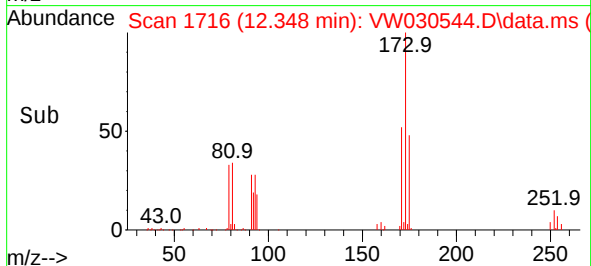
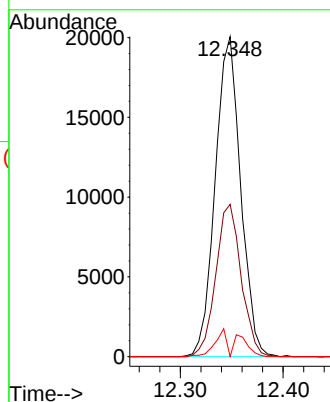
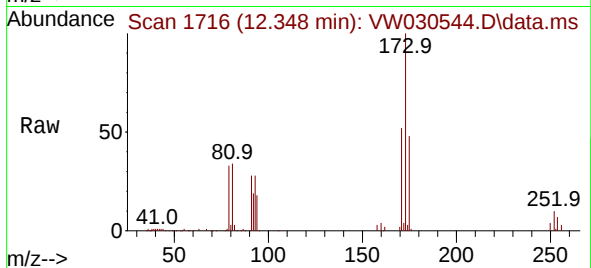
Tgt Ion:173 Resp: 34440

Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.4

254 3.7 7.7 11.5#



#61

1,2,3-Trichloropropane

Concen: 72.246 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

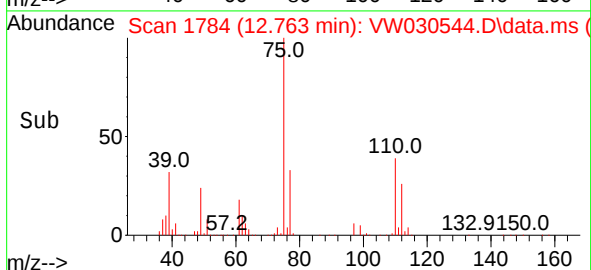
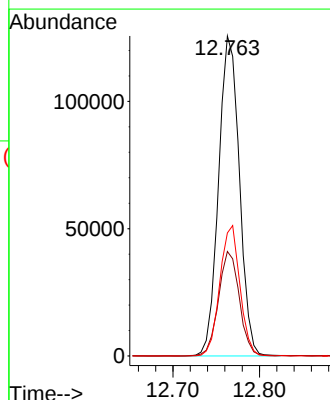
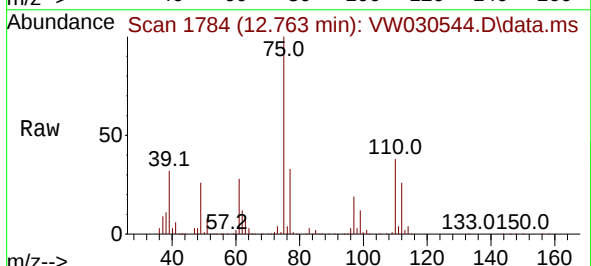
Tgt Ion: 75 Resp: 209426

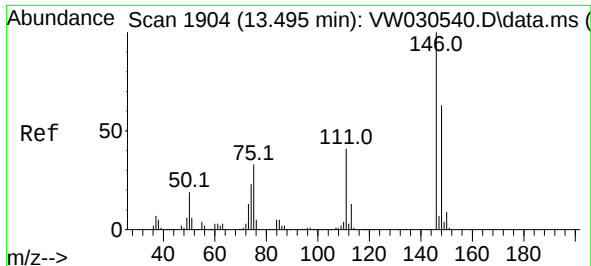
Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

110 39.4 32.3 48.5

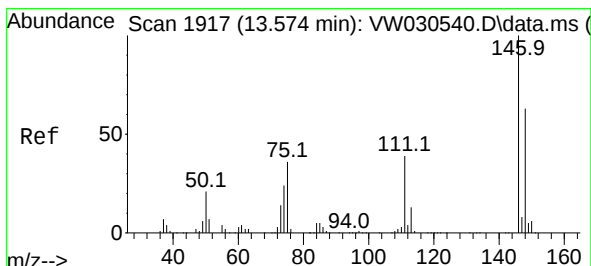
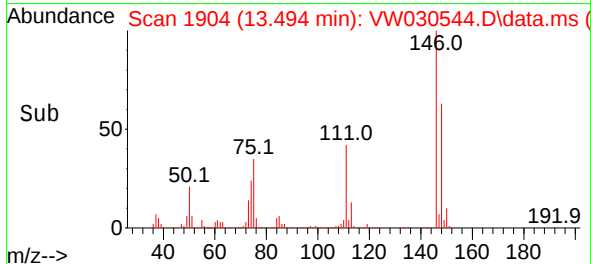
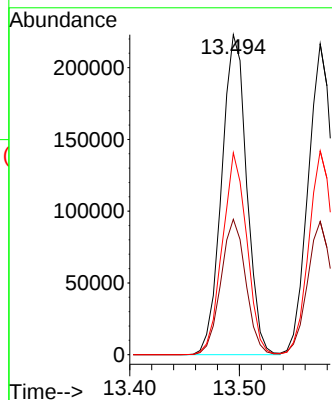
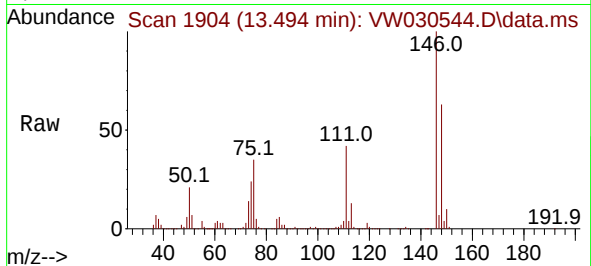




#64
1,3-Dichlorobenzene
Concen: 35.242 ug/L
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

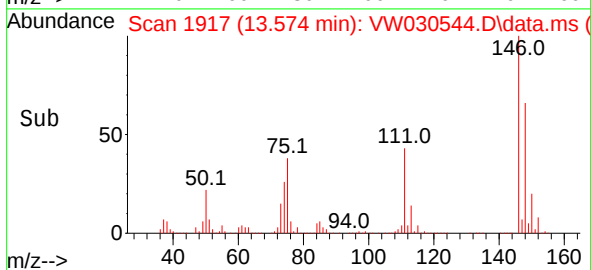
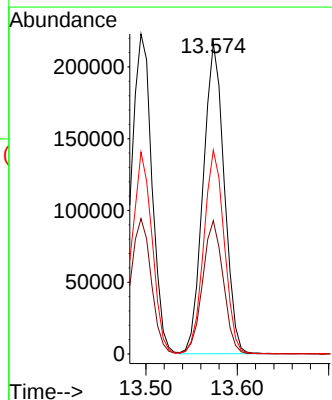
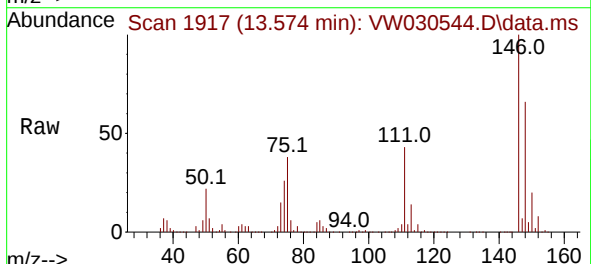
Instrument :
MSVOA_W
ClientSampleId :
A4E81

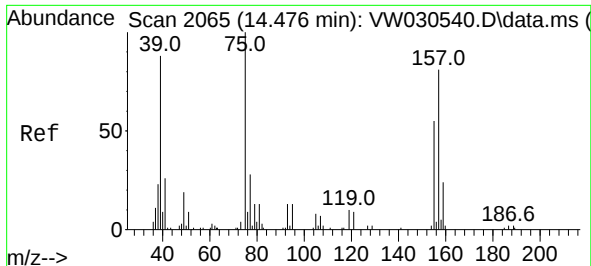
Tgt Ion:146 Resp: 353895
Ion Ratio Lower Upper
146 100
111 42.3 31.2 58.0
148 63.1 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 33.389 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030544.D
Acq: 11 Oct 2024 13:14

Tgt Ion:146 Resp: 346198
Ion Ratio Lower Upper
146 100
111 42.9 26.8 49.8
148 65.6 41.0 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 20.476 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Instrument :

MSVOA_W

ClientSampleId :

A4E81

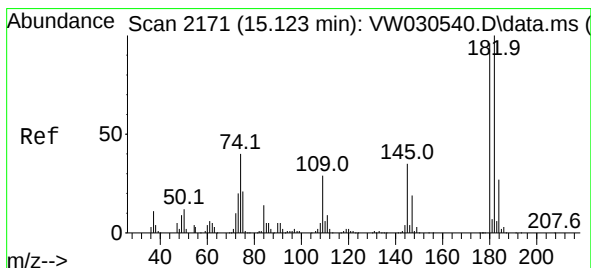
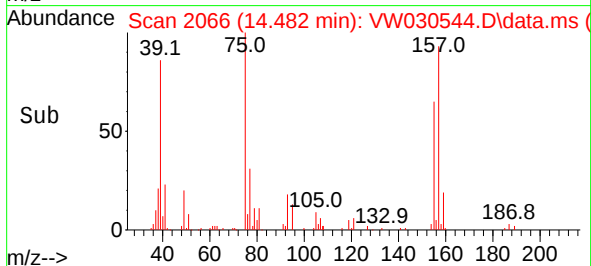
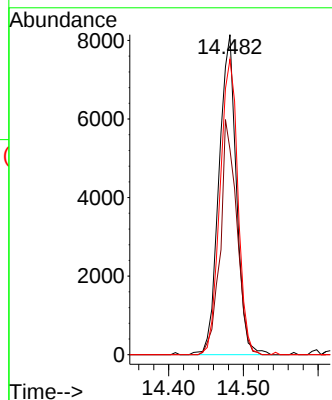
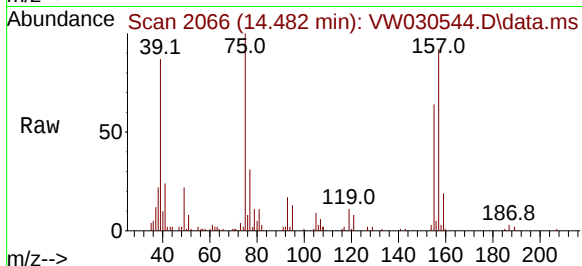
Tgt Ion: 75 Resp: 13235

Ion Ratio Lower Upper

75 100

155 64.2 57.9 86.9

157 92.3 69.0 103.6



#70

1,2,4-trichlorobenzene

Concen: 18.801 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW030544.D

Acq: 11 Oct 2024 13:14

Tgt Ion:180 Resp: 100227

Ion Ratio Lower Upper

180 100

182 94.7 75.2 112.8

145 32.1 25.4 38.2

