

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102924\
 Data File : VW030804.D
 Acq On : 29 Oct 2024 15:18
 Operator : SY/MD
 Sample : P4568-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EA3

Quant Time: Oct 30 01:15:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 30 01:14:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	294577	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	273863	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	136746	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	92317	19.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.760%
7) Chloroethane-d5	2.899	69	82233	23.462	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.840%
11) 1,1-Dichloroethene-d2	4.021	65	36362	18.881	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.520%
21) 2-Butanone-d5	7.075	46	42068	50.485	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.960%
24) Chloroform-d	7.654	84	219727	26.082	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.320%
26) 1,2-Dichloroethane-d4	8.306	65	101656	23.206	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.840%
32) Benzene-d6	8.276	84	340488	21.421	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.680%
36) 1,2-Dichloropropane-d6	9.270	67	113601	24.350	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.400%
41) Toluene-d8	10.324	98	343489	23.672	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.680%
43) trans-1,3-Dichloroprop...	10.574	79	47381	24.254	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.000%
47) 2-Hexanone-d5	10.922	63	35073	58.368	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.740%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	92115	26.885	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.560%
66) 1,2-Dichlorobenzene-d4	13.848	152	110559	23.895	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.560%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	148680	37.619	ug/L	85
13) Acetone	4.118	43	81704	66.974	ug/L	95
16) Methylene chloride	4.917	84	327117	73.454	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	122009	28.609	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	246683	41.330	ug/L	100
19) 1,1-Dichloroethane	6.215	63	653956	82.506	ug/L	100
22) 2-Butanone	7.166	43	238442	181.323	ug/L	96
25) Chloroform	7.678	83	708470	83.642	ug/L	100
31) Carbon tetrachloride	8.075	117	96562	14.871	ug/L	98
33) Benzene	8.325	78	1084655	60.861	ug/L	100
34) Trichloroethene	9.093	95	453841	91.535	ug/L	98
37) 1,2-Dichloropropane	9.367	63	163622	36.760	ug/L	100
39) cis-1,3-Dichloropropene	10.068	75	432147	64.366	ug/L	98
40) 4-Methyl-2-pentanone	10.208	43	336487	157.360	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	391884	69.461	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	155553	48.355	ug/L	99
50) 1,2-Dibromoethane	11.233	107	140500	46.806	ug/L	100
53) m,p-Xylene	11.830	106	394771	48.570	ug/L	100
54) o-Xylene	12.159	106	479851	63.858	ug/L	89

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Quant Title : SFAM01.0
QLast Update : Wed Oct 30 01:14:06 2024
Response via : Initial Calibration

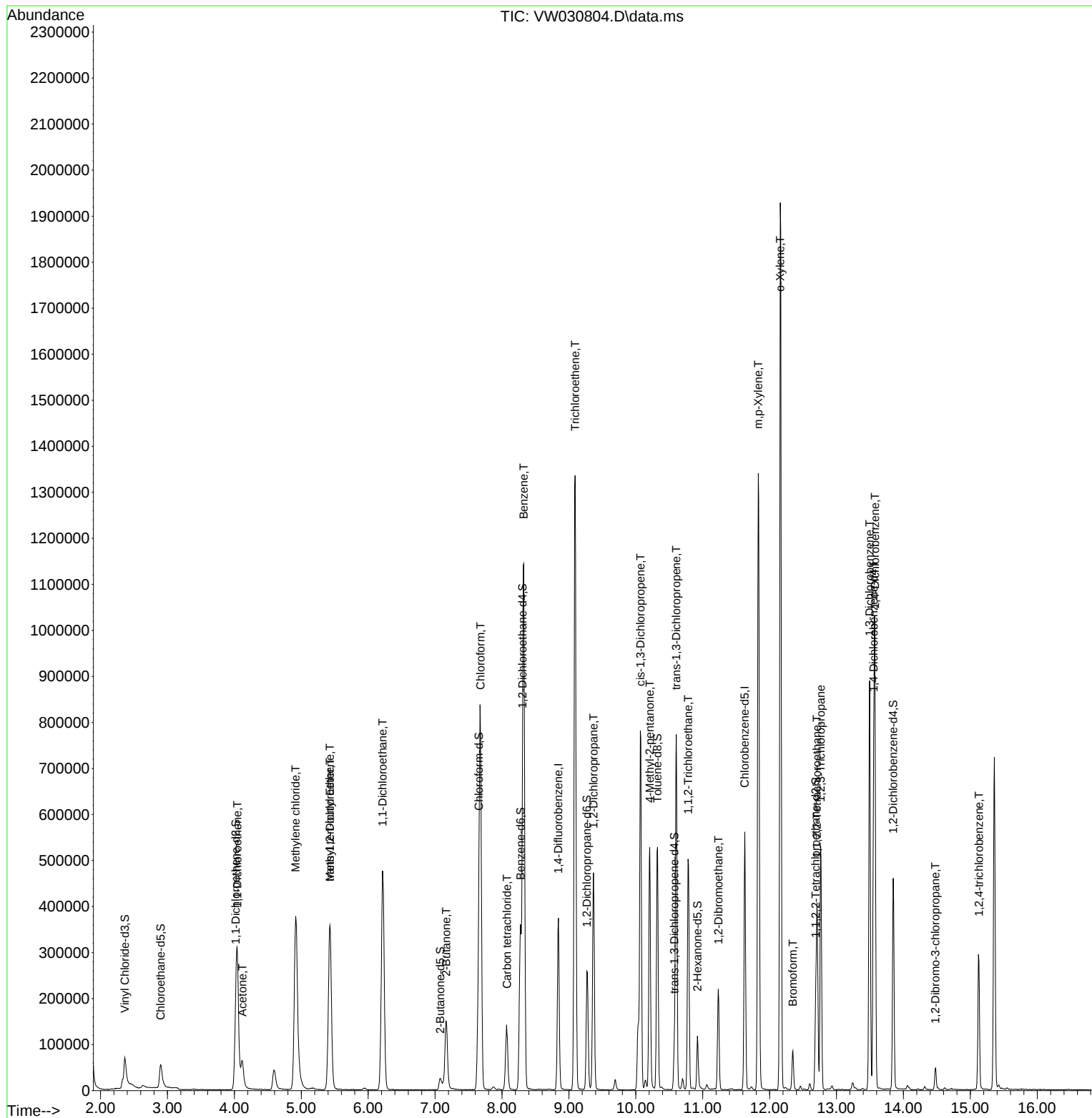
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	174319	48.052	ug/L	95
59) Bromoform	12.348	173	33682	17.531	ug/L	96
61) 1,2,3-Trichloropropane	12.763	75	206805	77.719	ug/L	99
64) 1,3-Dichlorobenzene	13.494	146	335809	36.431	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	333824	35.074	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	11983	20.197	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	85243	17.420	ug/L	96

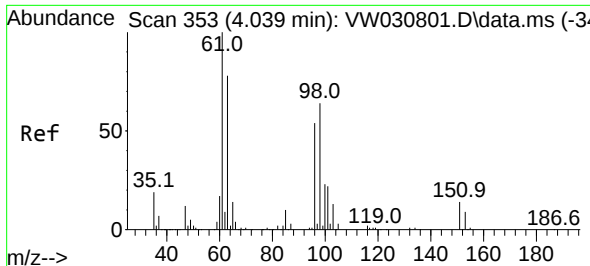
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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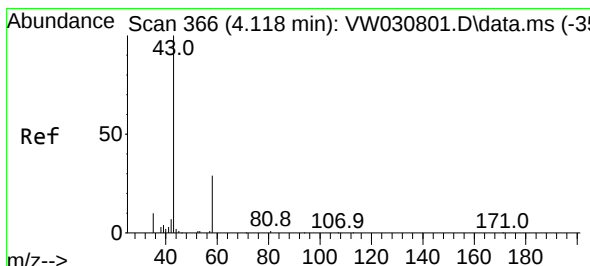
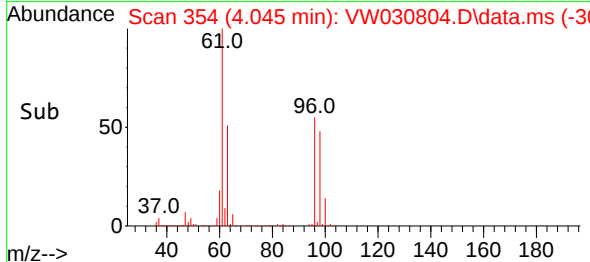
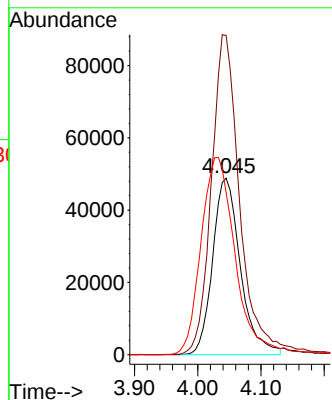
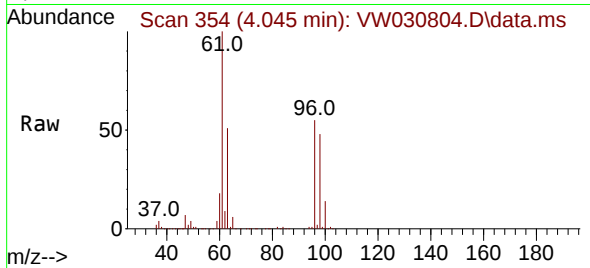




#12
1,1-Dichloroethene
Concen: 37.619 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.006 min
Lab File: VW030804.D
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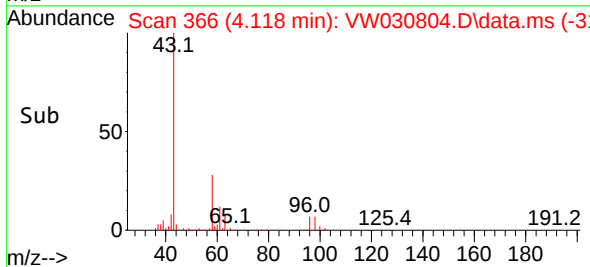
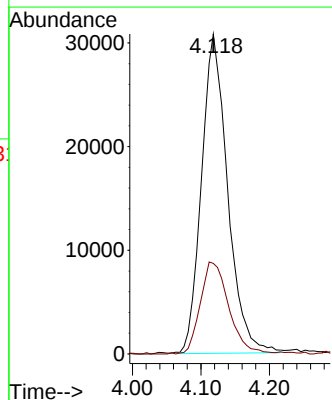
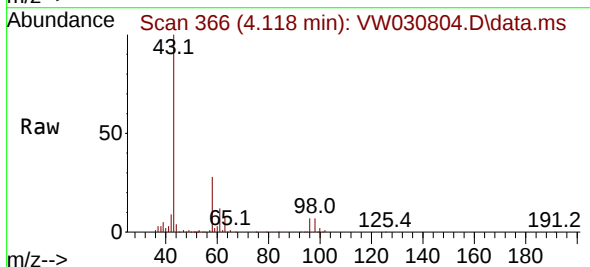
Instrument :
MSVOA_W
ClientSampleId :
A4EA3

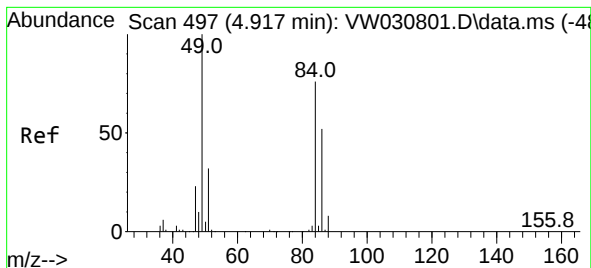
Tgt Ion: 96 Resp: 148680
Ion Ratio Lower Upper
96 100
61 180.9 121.3 225.3
63 91.9 87.6 162.8



#13
Acetone
Concen: 66.974 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Tgt Ion: 43 Resp: 81704
Ion Ratio Lower Upper
43 100
58 31.3 0.0 57.6





#16

Methylene chloride

Concen: 73.454 ug/L

RT: 4.917 min Scan# 49

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

A4EA3

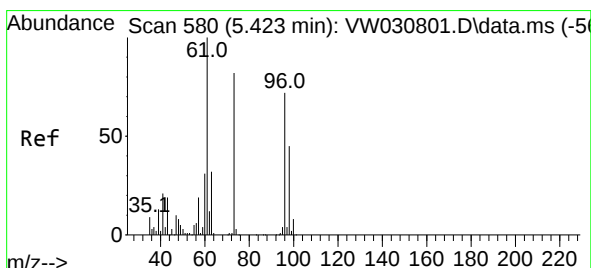
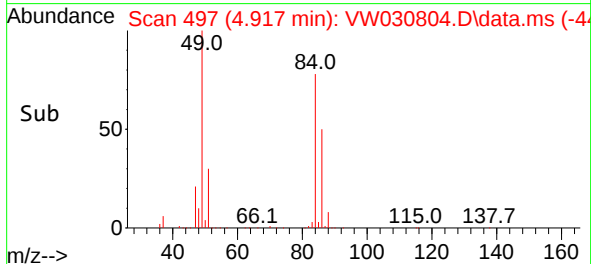
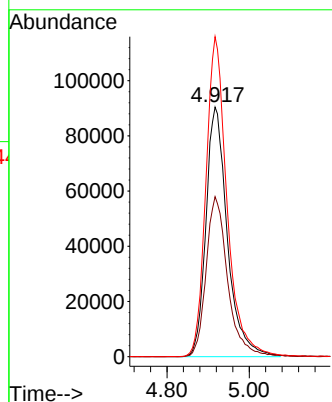
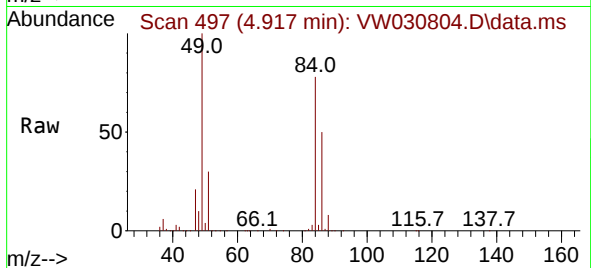
Tgt Ion: 84 Resp: 327117

Ion Ratio Lower Upper

84 100

86 64.1 43.8 81.3

49 128.2 88.3 164.1



#17

trans-1,2-Dichloroethene

Concen: 28.609 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW030804.D

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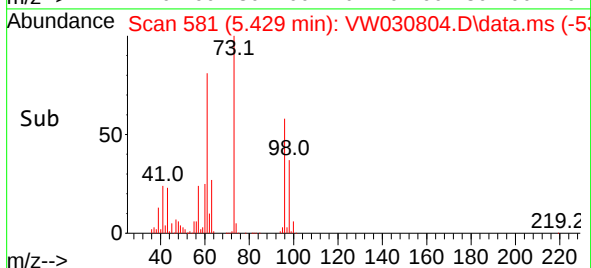
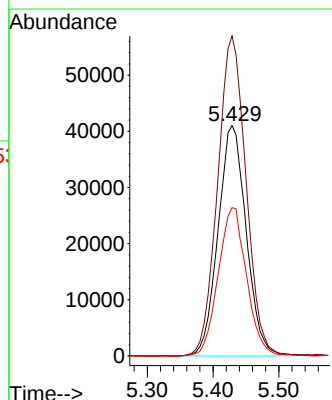
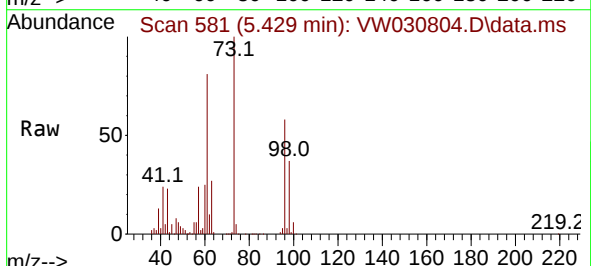
Tgt Ion: 96 Resp: 122009

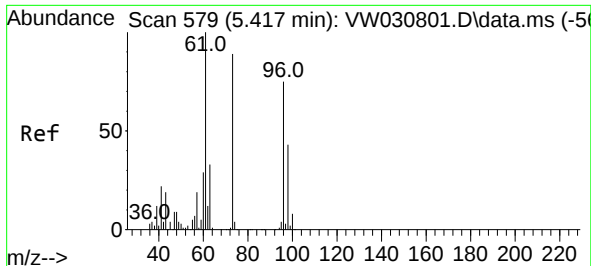
Ion Ratio Lower Upper

96 100

61 138.9 96.9 179.9

98 64.4 42.2 78.4

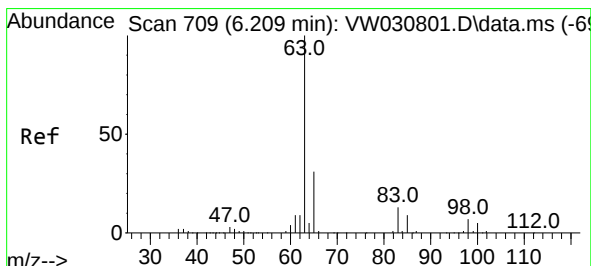
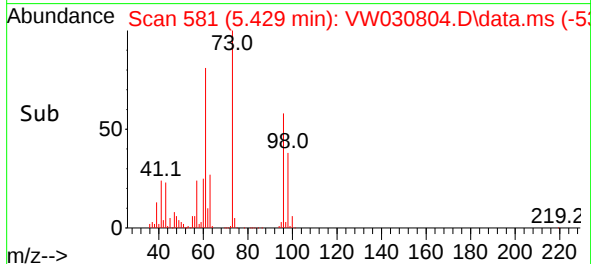
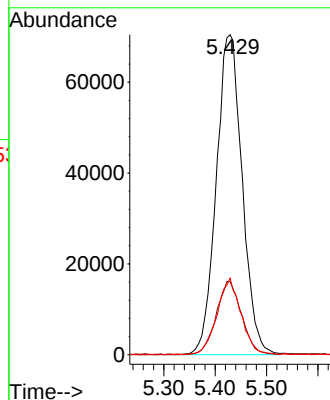
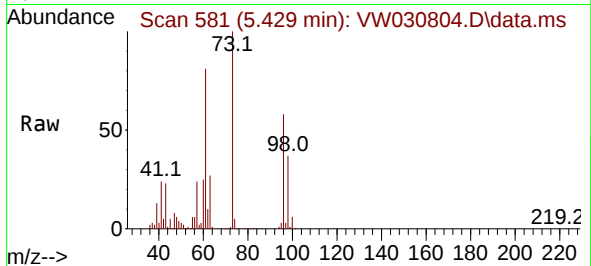




#18
Methyl tert-butyl Ether
Concen: 41.330 ug/L
RT: 5.429 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW030804.D
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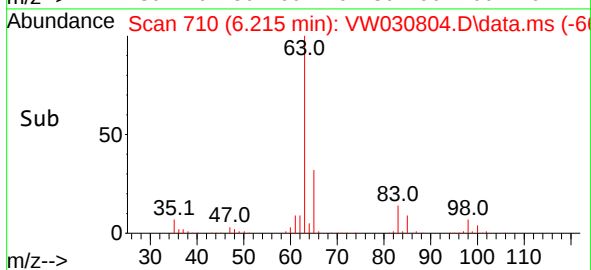
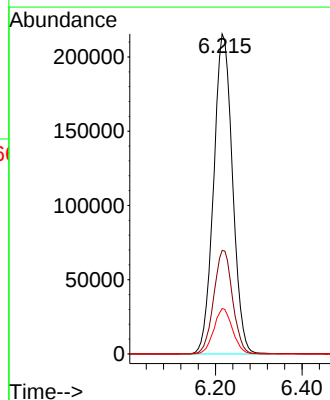
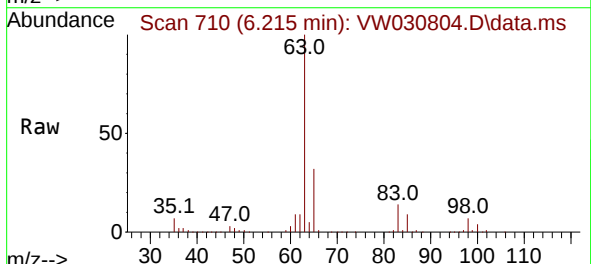
Instrument :
MSVOA_W
ClientSampleId :
A4EA3

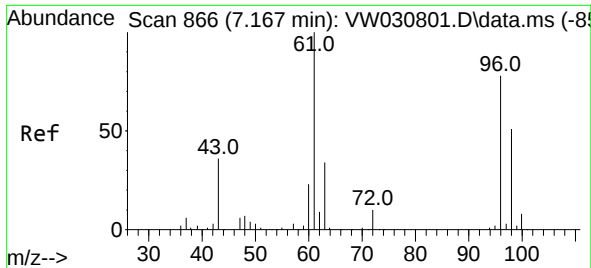
Tgt Ion: 73 Resp: 246683
Ion Ratio Lower Upper
73 100
43 22.1 18.1 27.1
57 22.1 17.7 26.5



#19
1,1-Dichloroethane
Concen: 82.506 ug/L
RT: 6.215 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Tgt Ion: 63 Resp: 653956
Ion Ratio Lower Upper
63 100
65 32.3 22.5 41.9
83 14.2 9.8 18.2

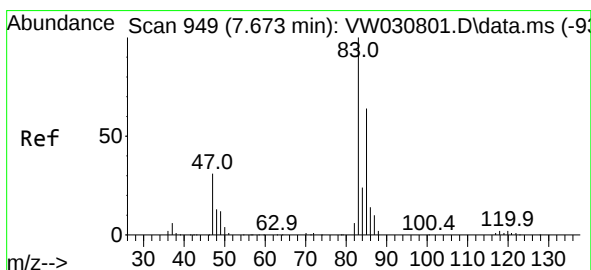
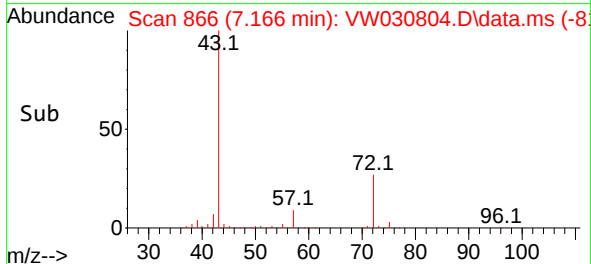
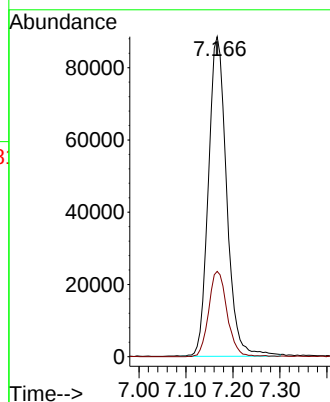
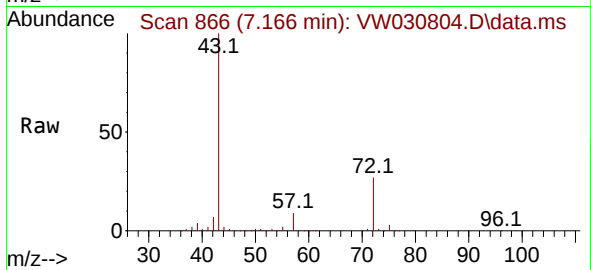




#22
2-Butanone
Concen: 181.323 ug/L
RT: 7.166 min Scan# 80
Delta R.T. -0.000 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

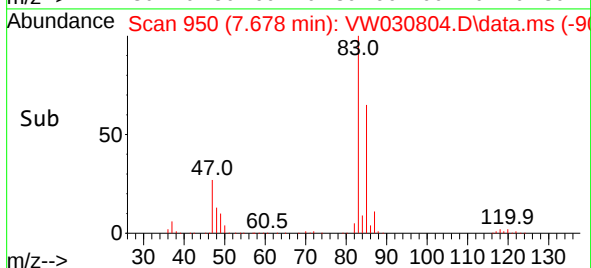
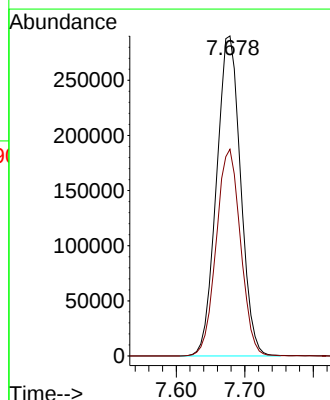
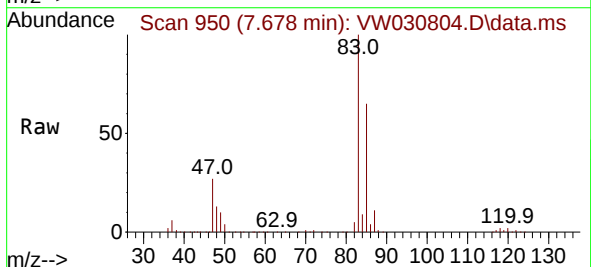
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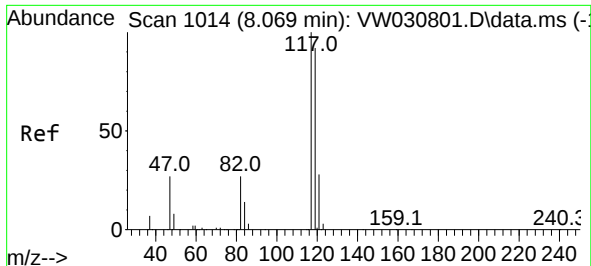
Tgt Ion: 43 Resp: 238442
Ion Ratio Lower Upper
43 100
72 26.8 14.4 43.0



#25
Chloroform
Concen: 83.642 ug/L
RT: 7.678 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Tgt Ion: 83 Resp: 708470
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7

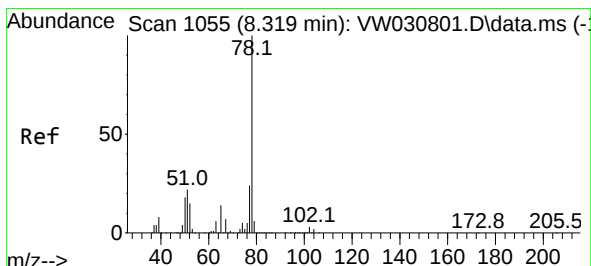
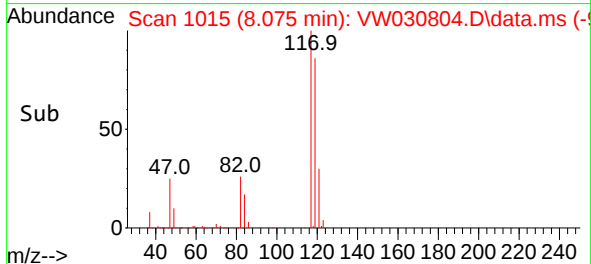
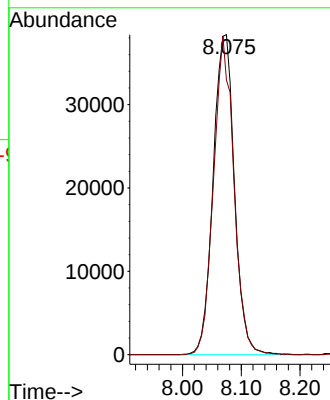
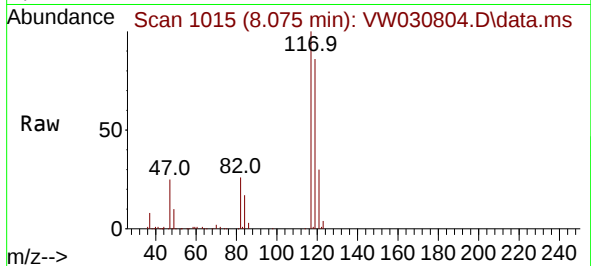




#31
Carbon tetrachloride
Concen: 14.871 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VW030804.D
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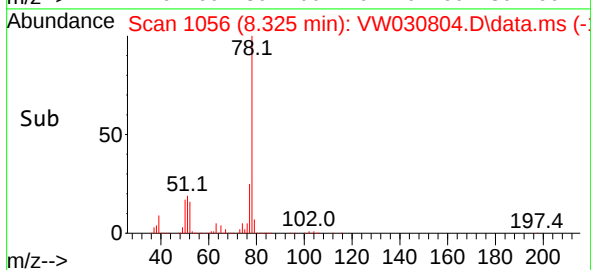
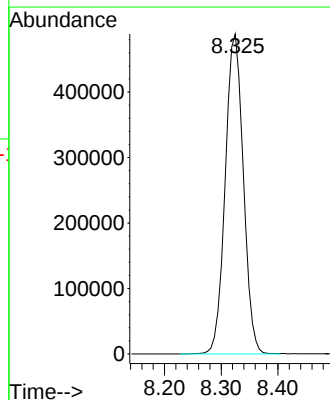
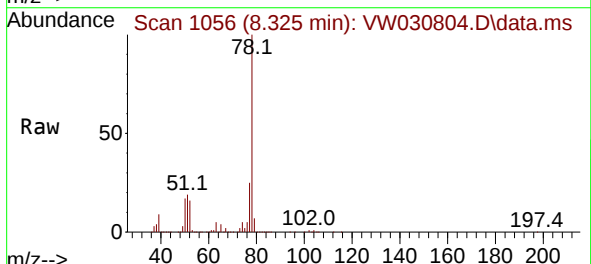
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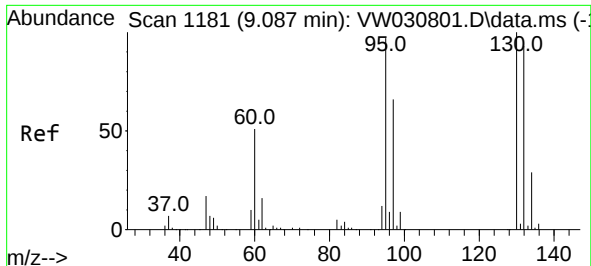
Tgt Ion:117 Resp: 96562
Ion Ratio Lower Upper
117 100
119 95.1 77.8 116.8



#33
Benzene
Concen: 60.861 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Tgt Ion: 78 Resp: 1084655





#34

Trichloroethene

Concen: 91.535 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

A4EA3

Tgt Ion: 95 Resp: 453841

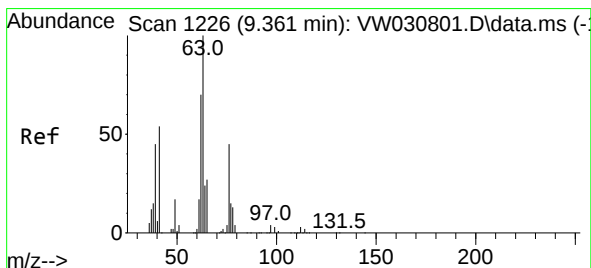
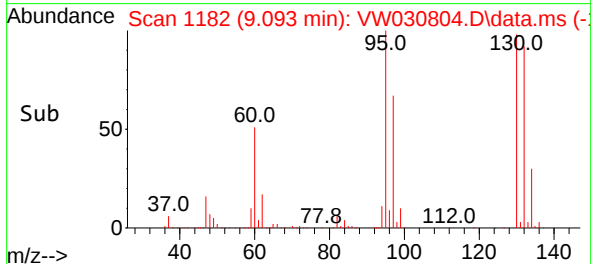
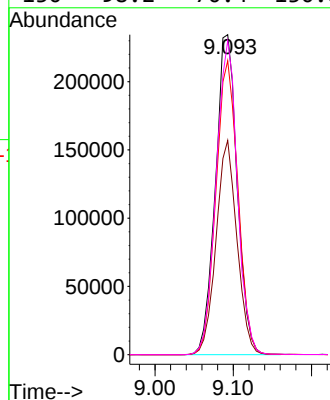
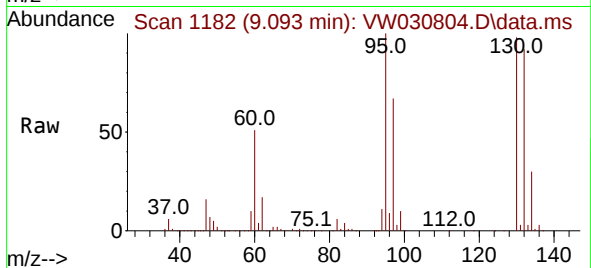
Ion Ratio Lower Upper

95 100

97 66.9 45.9 85.3

132 91.8 66.4 123.2

130 98.2 70.4 130.8



#37

1,2-Dichloropropane

Concen: 36.760 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VW030804.D

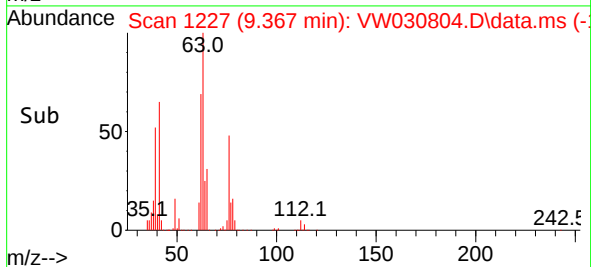
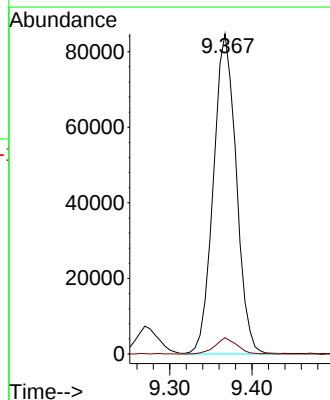
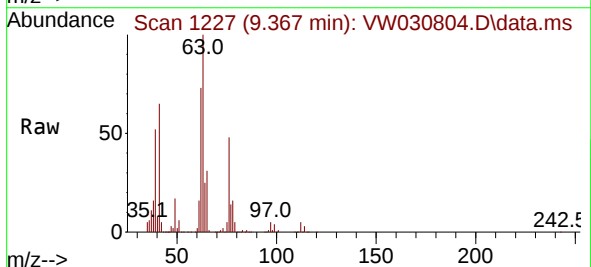
Acq: 29 Oct 2024 15:18

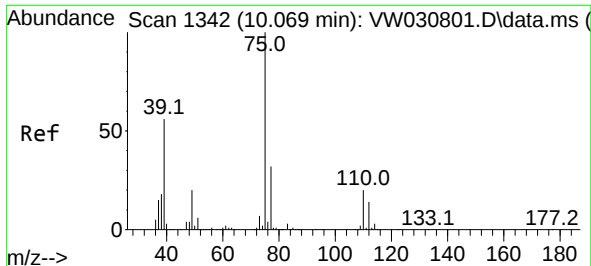
Tgt Ion: 63 Resp: 163622

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 64.366 ug/L

RT: 10.068 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

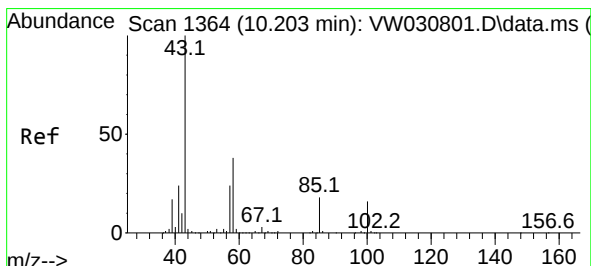
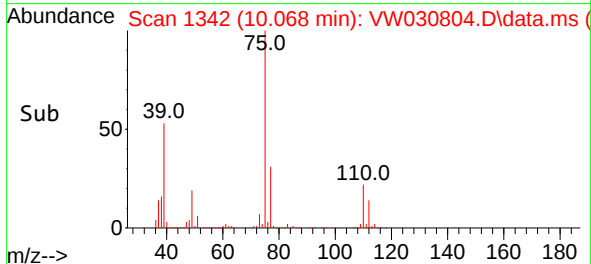
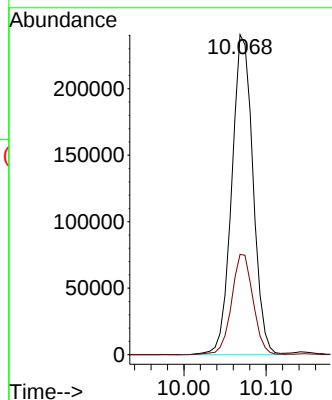
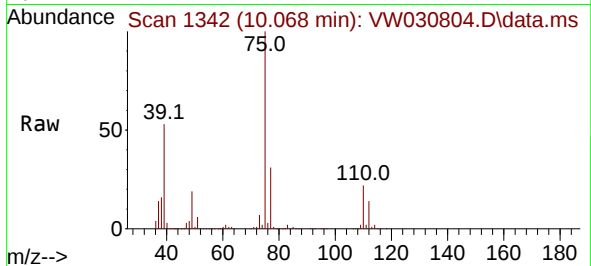
A4EA3

Tgt Ion: 75 Resp: 432147

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 157.360 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

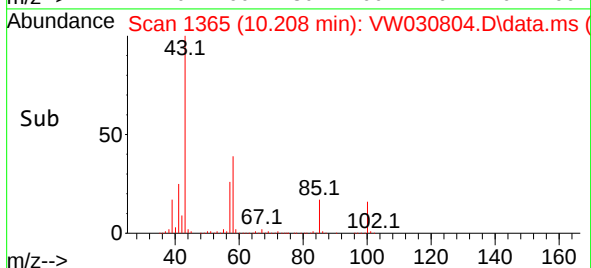
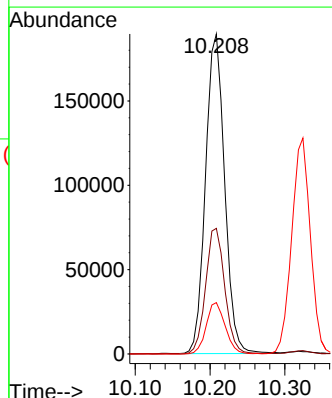
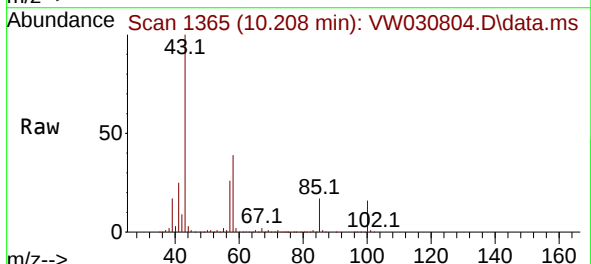
Tgt Ion: 43 Resp: 336487

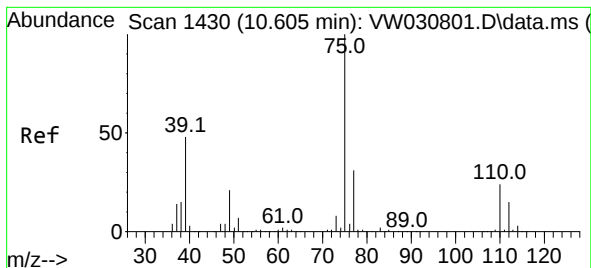
Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.2

100 15.9 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 69.461 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

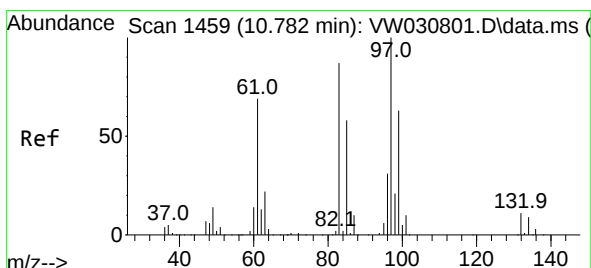
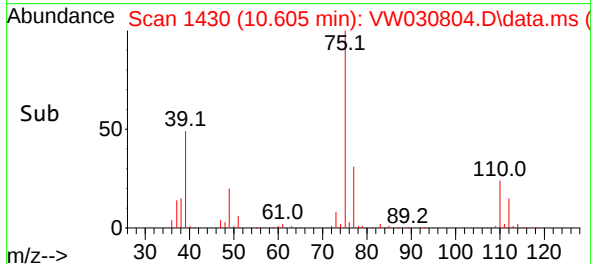
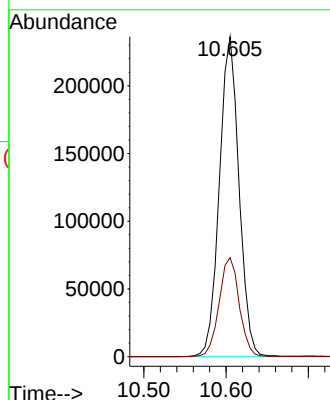
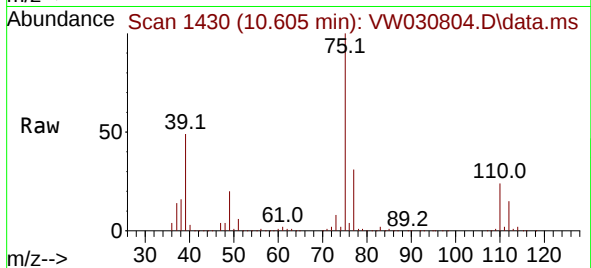
A4EA3

Tgt Ion: 75 Resp: 391884

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 48.355 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Tgt Ion: 97 Resp: 155553

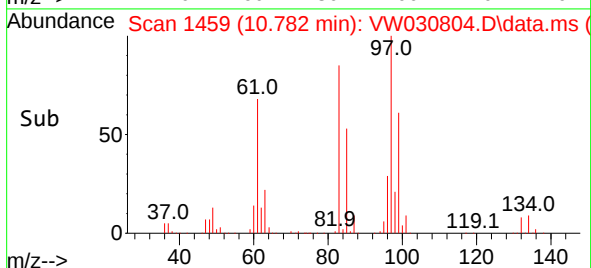
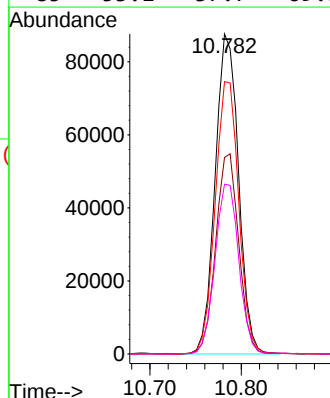
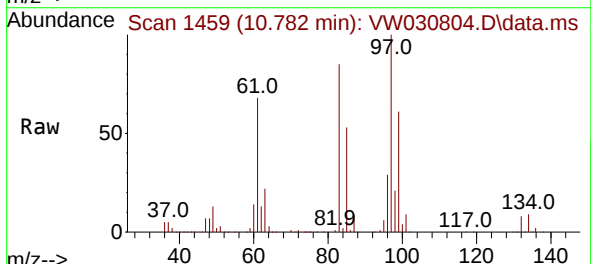
Ion Ratio Lower Upper

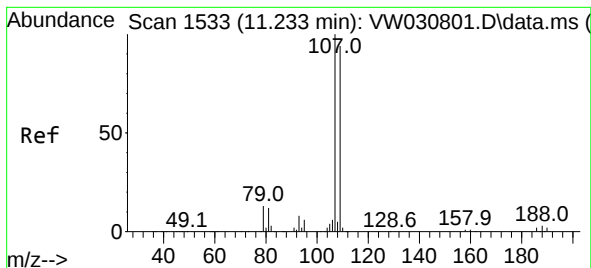
97 100

99 61.4 41.2 76.6

83 85.1 59.6 110.6

85 53.1 37.7 69.9





#50

1,2-Dibromoethane

Concen: 46.806 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

A4EA3

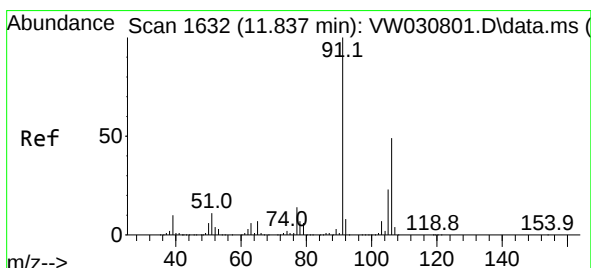
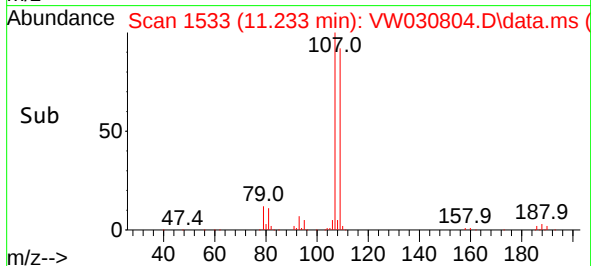
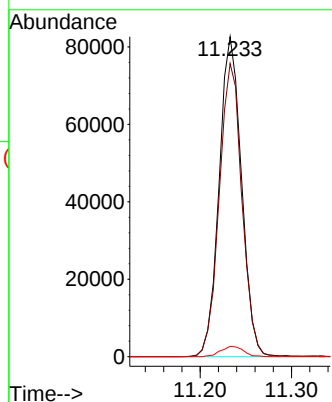
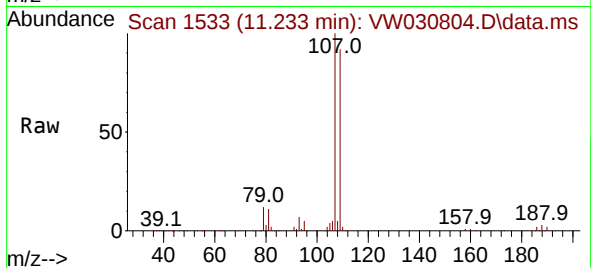
Tgt Ion:107 Resp: 140500

Ion Ratio Lower Upper

107 100

109 91.6 63.8 118.6

188 3.3 2.6 3.8



#53

m,p-Xylene

Concen: 48.570 ug/L

RT: 11.830 min Scan# 1631

Delta R.T. -0.006 min

Lab File: VW030804.D

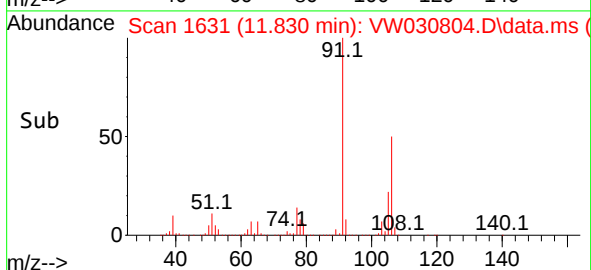
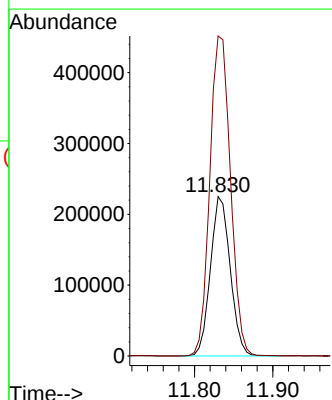
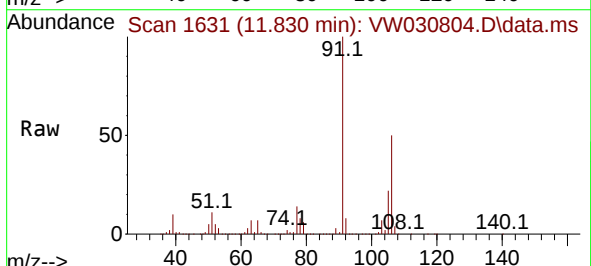
Acq: 29 Oct 2024 15:18

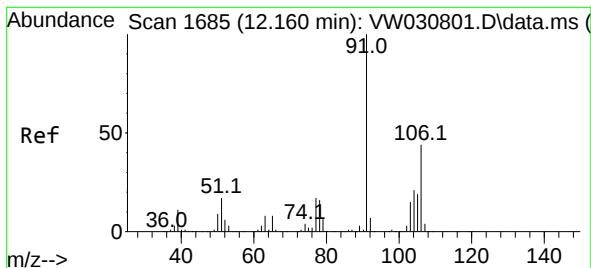
Tgt Ion:106 Resp: 394771

Ion Ratio Lower Upper

106 100

91 200.7 140.6 261.2





#54

o-Xylene

Concen: 63.858 ug/L

RT: 12.159 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

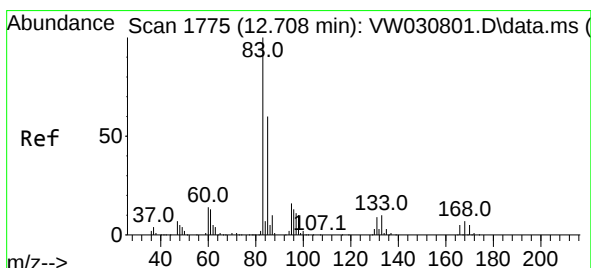
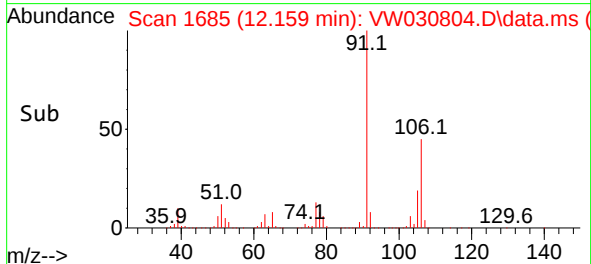
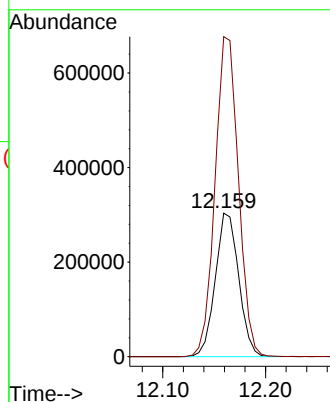
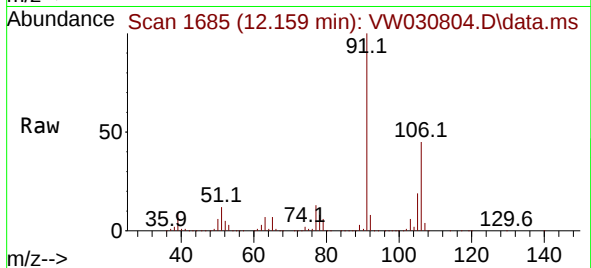
A4EA3

Tgt Ion:106 Resp: 479851

Ion Ratio Lower Upper

106 100

91 222.9 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 48.052 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

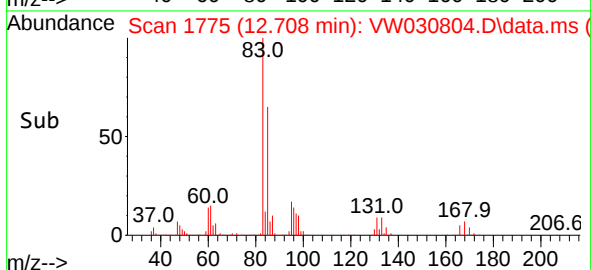
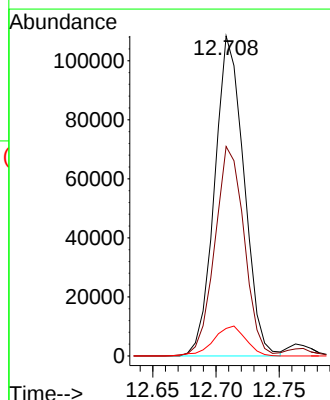
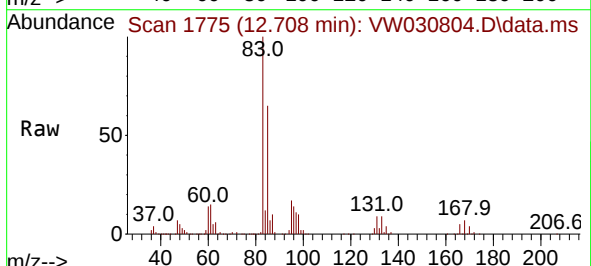
Tgt Ion: 83 Resp: 174319

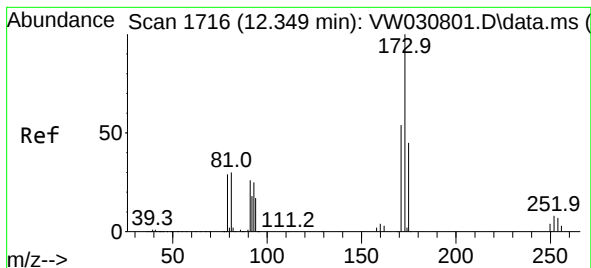
Ion Ratio Lower Upper

83 100

85 65.5 42.6 79.2

131 8.6 7.4 11.0





#59

Bromoform

Concen: 17.531 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

Instrument :

MSVOA_W

ClientSampleId :

A4EA3

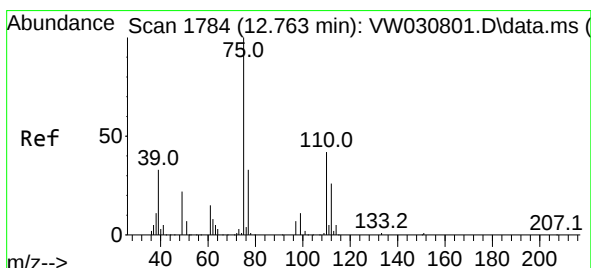
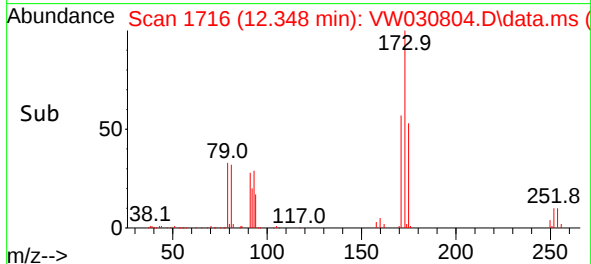
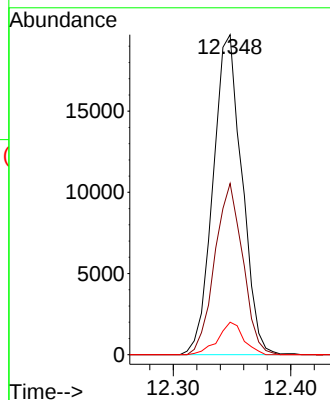
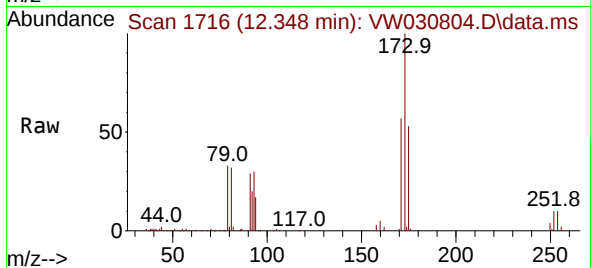
Tgt Ion:173 Resp: 33682

Ion Ratio Lower Upper

173 100

175 51.9 39.0 58.4

254 9.0 7.7 11.5



#61

1,2,3-Trichloropropane

Concen: 77.719 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW030804.D

Acq: 29 Oct 2024 15:18

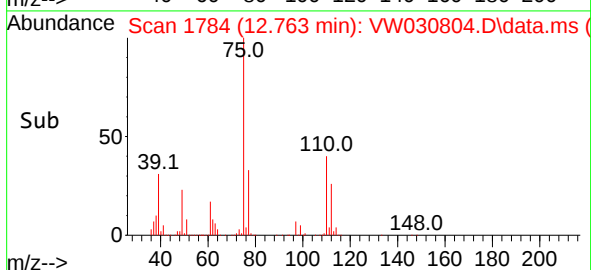
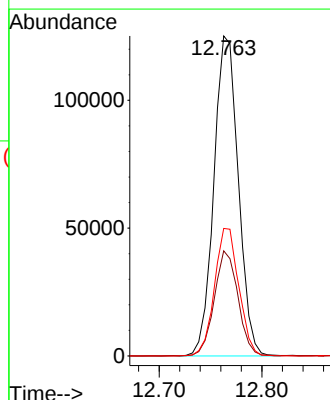
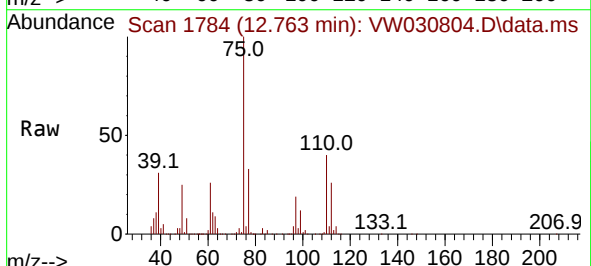
Tgt Ion: 75 Resp: 206805

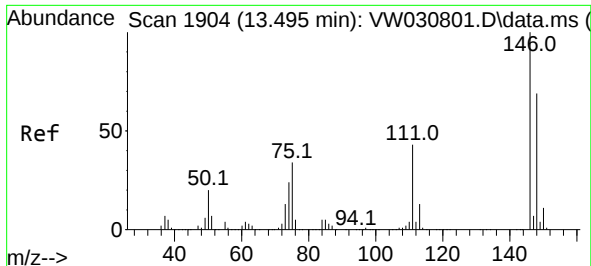
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

110 39.6 32.3 48.5

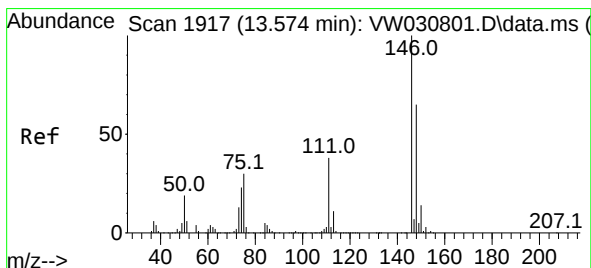
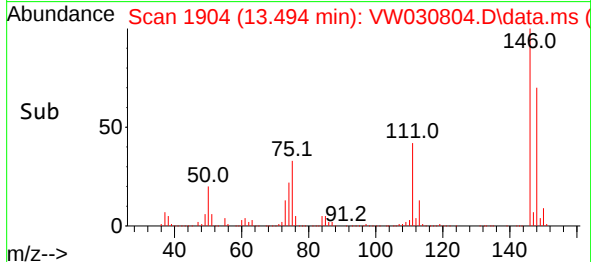
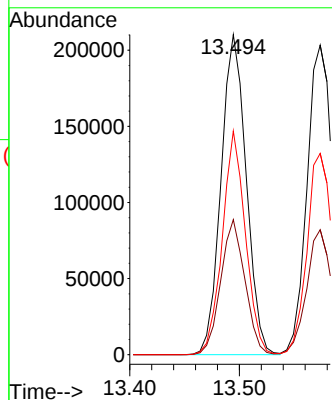
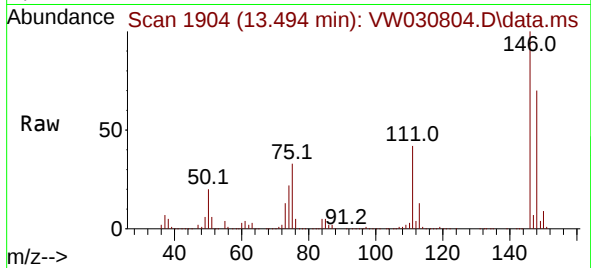




#64
1,3-Dichlorobenzene
Concen: 36.431 ug/L
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

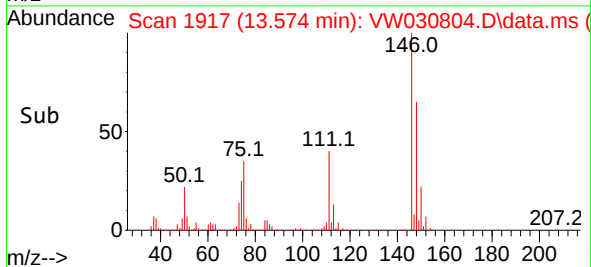
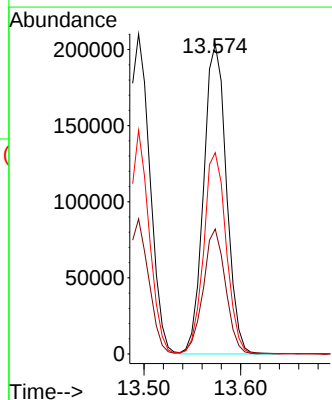
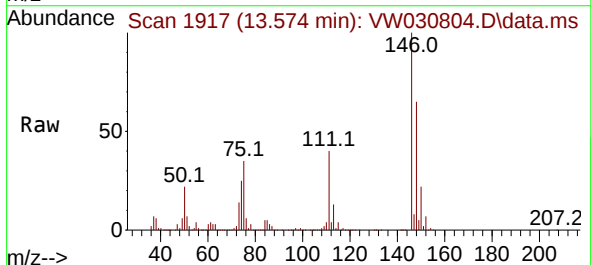
Instrument :
MSVOA_W
ClientSampleId :
A4EA3

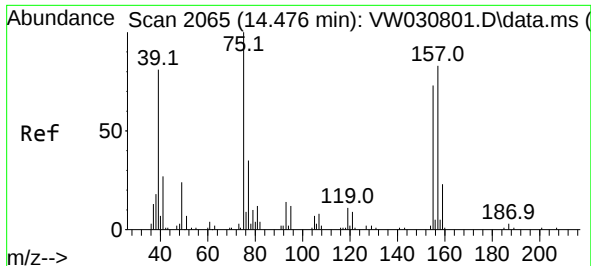
Tgt Ion:146 Resp: 335809
Ion Ratio Lower Upper
146 100
111 42.2 31.2 58.0
148 69.9 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 35.074 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Tgt Ion:146 Resp: 333824
Ion Ratio Lower Upper
146 100
111 40.4 26.8 49.8
148 65.0 41.0 76.2

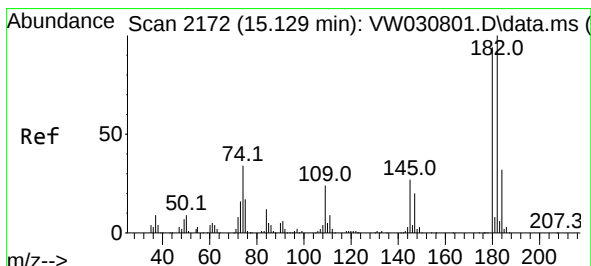
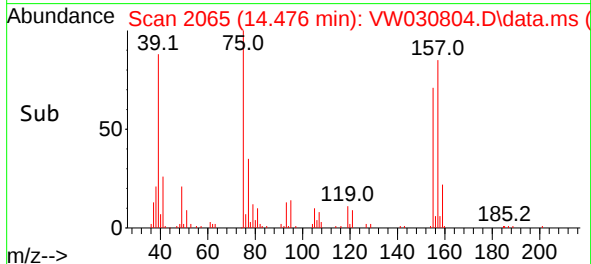
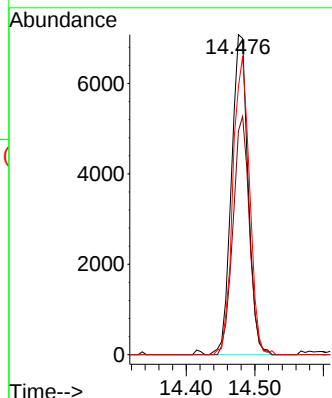
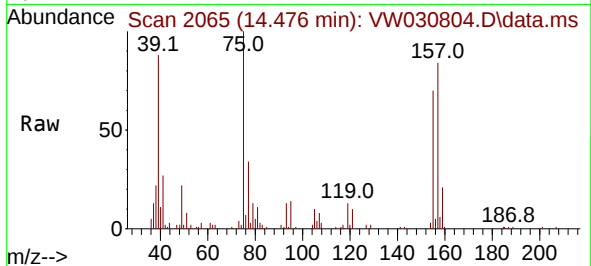




#68
1,2-Dibromo-3-chloropropane
Concen: 20.197 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Instrument :
MSVOA_W
ClientSampleId :
A4EA3

Tgt Ion: 75 Resp: 11983
Ion Ratio Lower Upper
75 100
155 70.0 57.9 86.9
157 83.7 69.0 103.6



#70
1,2,4-trichlorobenzene
Concen: 17.420 ug/L
RT: 15.128 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030804.D
Acq: 29 Oct 2024 15:18

Tgt Ion: 180 Resp: 85243
Ion Ratio Lower Upper
180 100
182 98.6 75.2 112.8
145 30.9 25.4 38.2

