

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102524\
 Data File : VW030769.D
 Acq On : 25 Oct 2024 16:06
 Operator : SY/MD
 Sample : P4493-07DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EA0DL

Quant Time: Oct 25 23:23:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 25 23:19:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	244019	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	225812	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	115257	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	39475	10.292	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	41.160%
7) Chloroethane-d5	2.899	69	39582	13.633	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.520%
11) 1,1-Dichloroethene-d2	4.021	65	18095	11.342	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.360%
21) 2-Butanone-d5	7.081	46	34138	49.456	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.920%
24) Chloroform-d	7.654	84	133106	19.074	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.280%
26) 1,2-Dichloroethane-d4	8.307	65	63733	17.563	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	70.240%
32) Benzene-d6	8.276	84	189881	14.488	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	57.960%
36) 1,2-Dichloropropane-d6	9.276	67	66911	17.394	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	69.560%#
41) Toluene-d8	10.325	98	166307	13.900	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	55.600%
43) trans-1,3-Dichloroprop...	10.574	79	25362	15.745	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.000%
47) 2-Hexanone-d5	10.922	63	24467	49.382	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.760%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	66445	23.520	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.080%
66) 1,2-Dichlorobenzene-d4	13.848	152	64620	16.570	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	66.280%#
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.045	96	73298	22.389	ug/L	86
13) Acetone	4.130	43	30656	30.335	ug/L	97
16) Methylene chloride	4.923	84	168768	45.748	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	57693	16.331	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	116726	23.609	ug/L #	91
19) 1,1-Dichloroethane	6.222	63	319653	48.684	ug/L	100
22) 2-Butanone	7.167	43	107955	99.104	ug/L	97
25) Chloroform	7.679	83	336432	47.948	ug/L	98
31) Carbon tetrachloride	8.069	117	46483	8.682	ug/L	97
33) Benzene	8.325	78	517528	35.218	ug/L	100
34) Trichloroethene	9.093	95	205067	50.161	ug/L	96
37) 1,2-Dichloropropane	9.367	63	74202	20.218	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	183181	33.090	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	143132	81.180	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	174441	37.499	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	70631	26.628	ug/L	98
50) 1,2-Dibromoethane	11.233	107	62401	25.212	ug/L	96
53) m,p-Xylene	11.836	106	174127	25.982	ug/L	96
54) o-Xylene	12.160	106	215940	34.852	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Fri Oct 25 23:19:25 2024
Response via : Initial Calibration

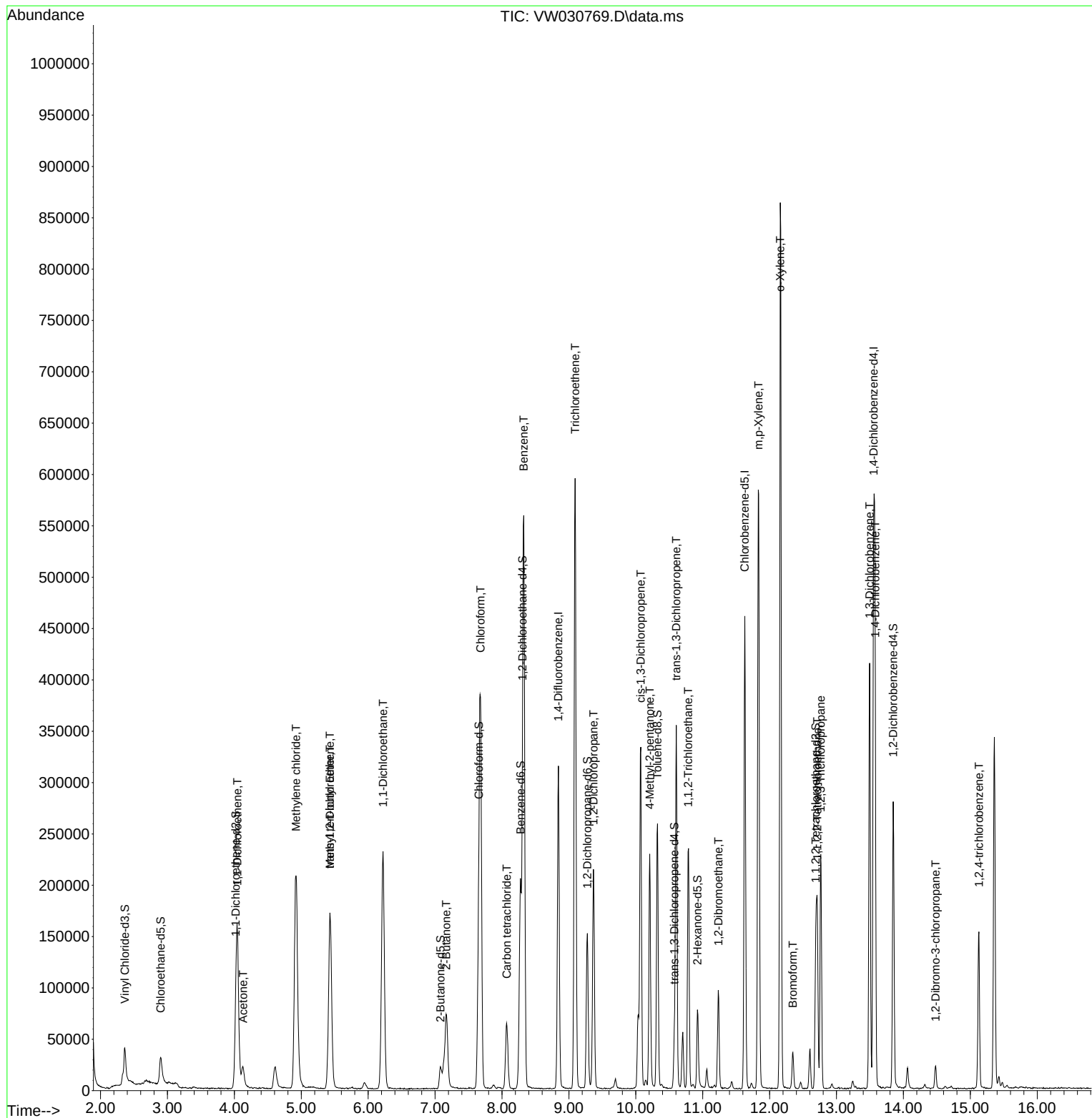
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	79631	26.622	ug/L	99
59) Bromoform	12.349	173	15639	9.658	ug/L	96
61) 1,2,3-Trichloropropane	12.763	75	89699	39.994	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	157828	20.314	ug/L	92
65) 1,4-Dichlorobenzene	13.580	146	160806	20.045	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	5684	11.366	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	43787	10.617	ug/L	95

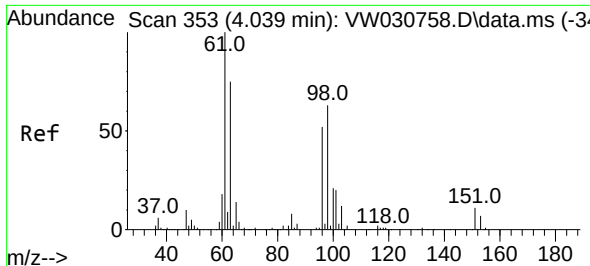
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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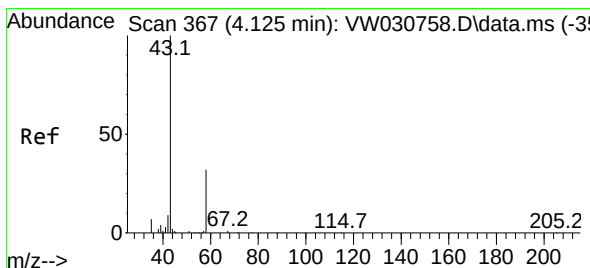
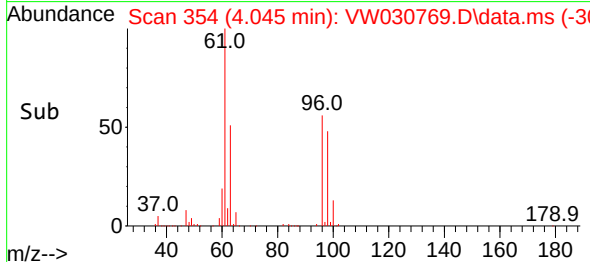
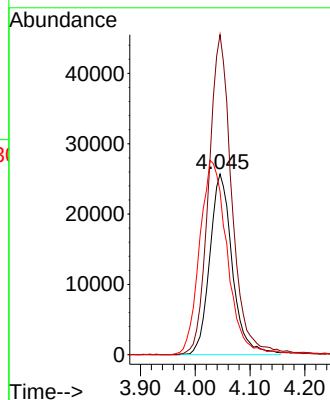
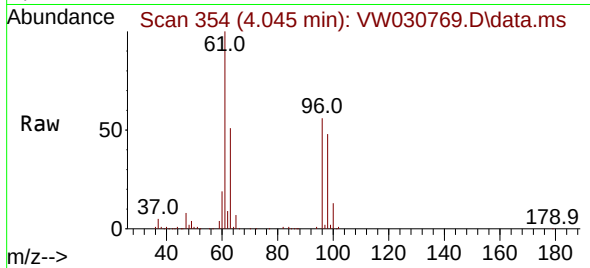




#12
1,1-Dichloroethene
Concen: 22.389 ug/L
RT: 4.045 min Scan# 353
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

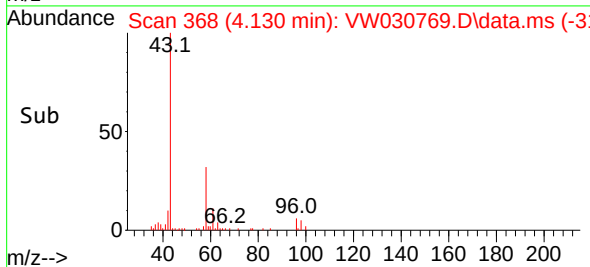
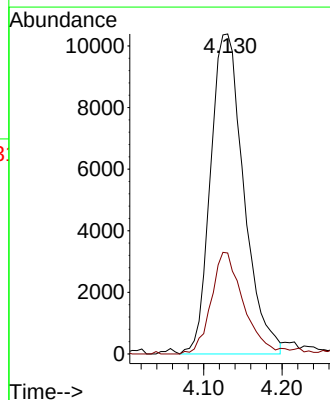
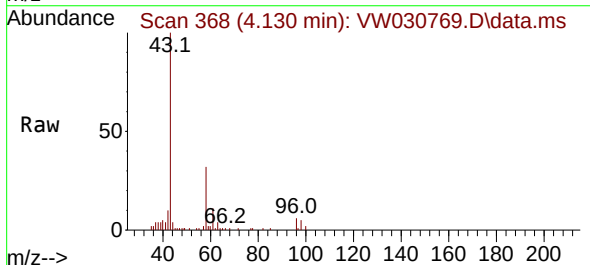
Instrument :
MSVOA_W
ClientSampleId :
A4EA0DL

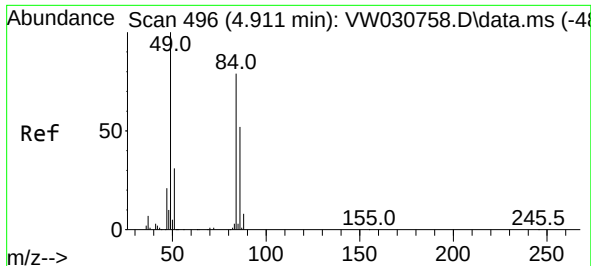
Tgt Ion: 96 Resp: 73298
Ion Ratio Lower Upper
96 100
61 177.1 121.3 225.3
63 90.3 87.6 162.8



#13
Acetone
Concen: 30.335 ug/L
RT: 4.130 min Scan# 368
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion: 43 Resp: 30656
Ion Ratio Lower Upper
43 100
58 30.4 0.0 57.6

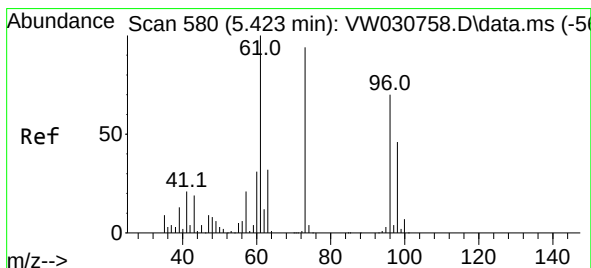
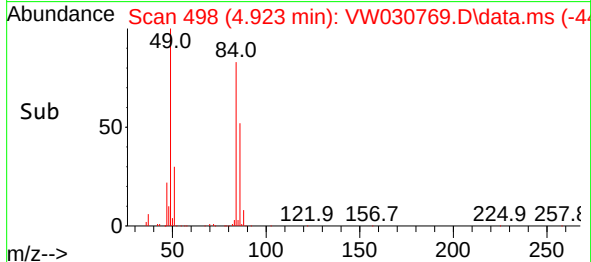
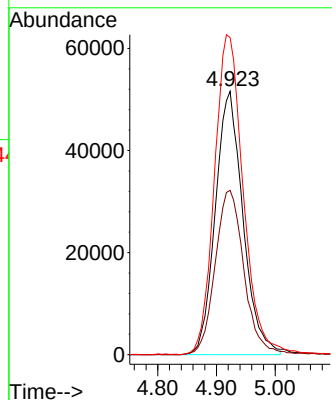
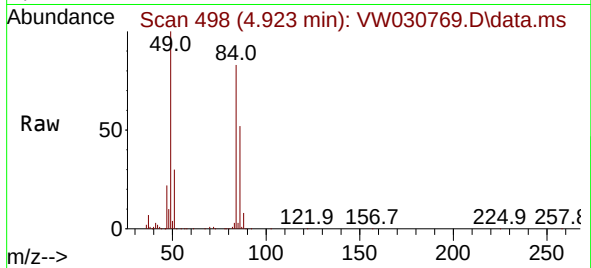




#16
Methylene chloride
Concen: 45.748 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.012 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

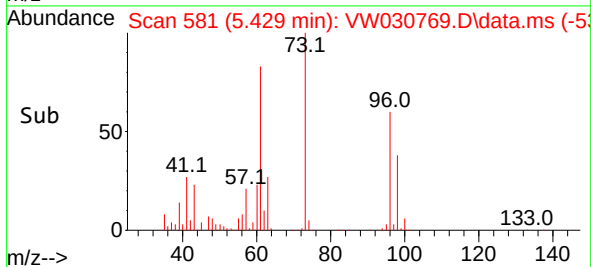
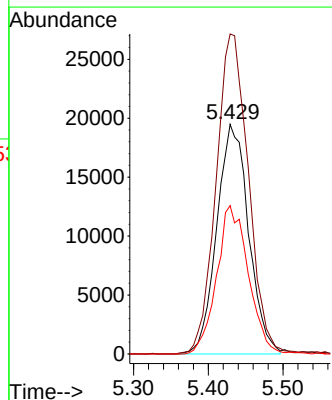
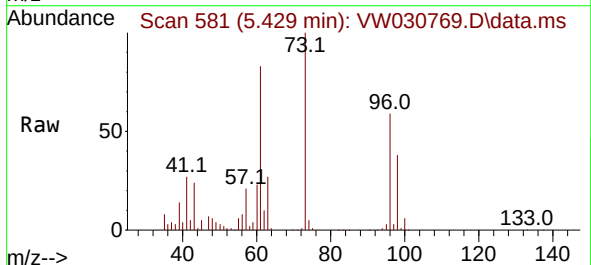
Instrument :
MSVOA_W
ClientSampleId :
A4EA0DL

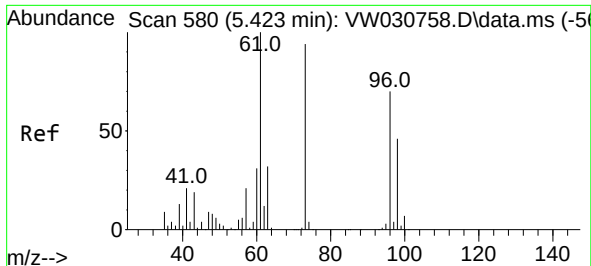
Tgt Ion: 84 Resp: 168768
Ion Ratio Lower Upper
84 100
86 62.4 43.8 81.3
49 120.4 88.3 164.1



#17
trans-1,2-Dichloroethene
Concen: 16.331 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion: 96 Resp: 57693
Ion Ratio Lower Upper
96 100
61 139.3 96.9 179.9
98 64.6 42.2 78.4

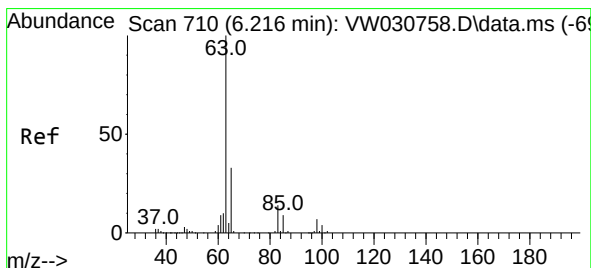
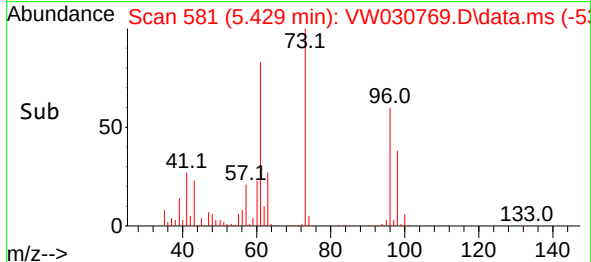
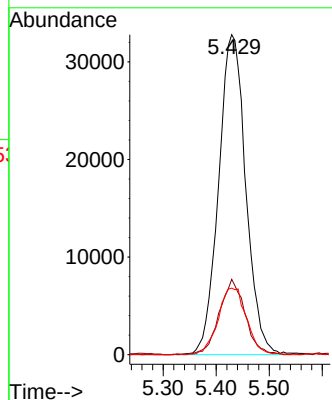
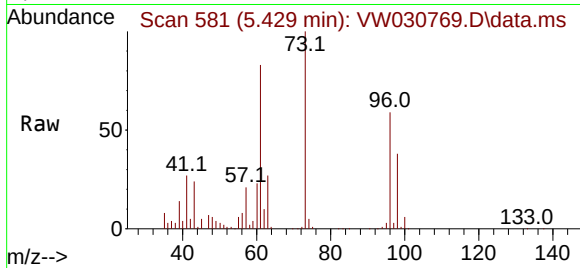




#18
Methyl tert-butyl Ether
Concen: 23.609 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

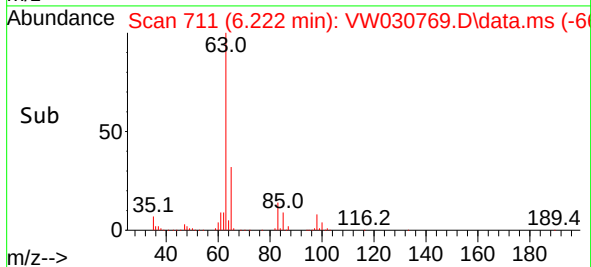
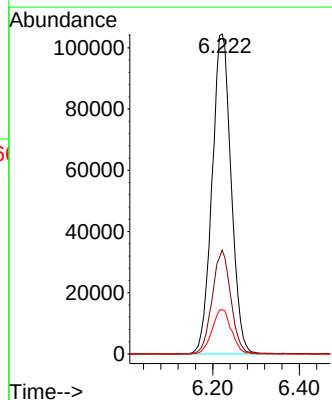
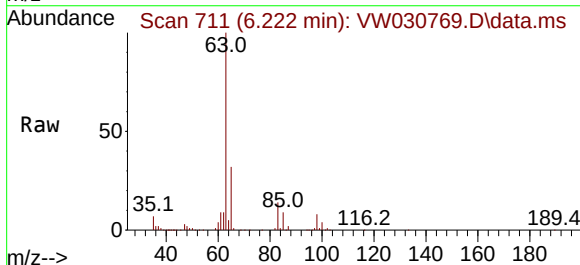
Instrument :
MSVOA_W
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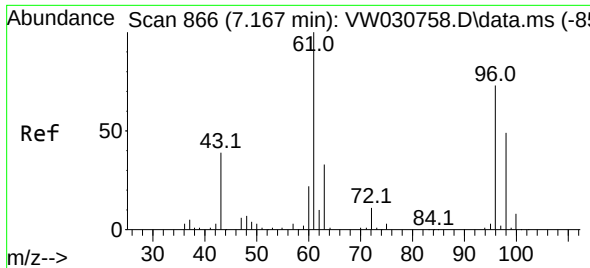
Tgt Ion: 73 Resp: 116726
Ion Ratio Lower Upper
73 100
43 22.4 18.1 27.1
57 13.2 17.7 26.5#



#19
1,1-Dichloroethane
Concen: 48.684 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion: 63 Resp: 319653
Ion Ratio Lower Upper
63 100
65 32.4 22.5 41.9
83 13.9 9.8 18.2

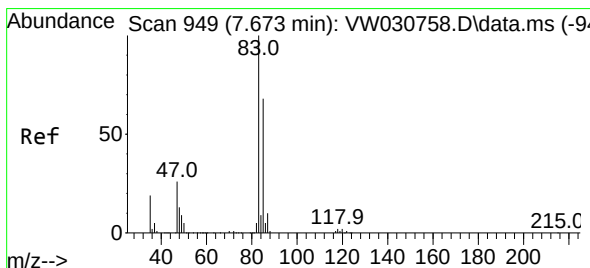
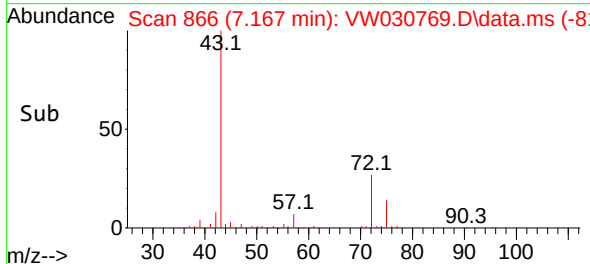
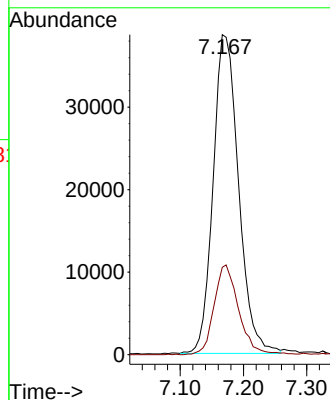
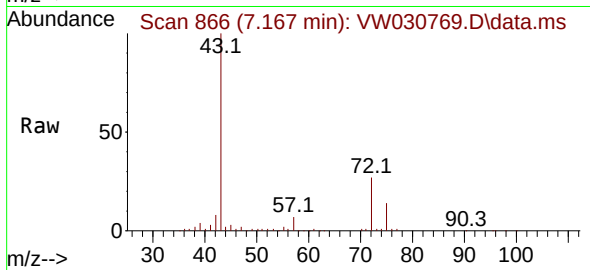




#22
2-Butanone
Concen: 99.104 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

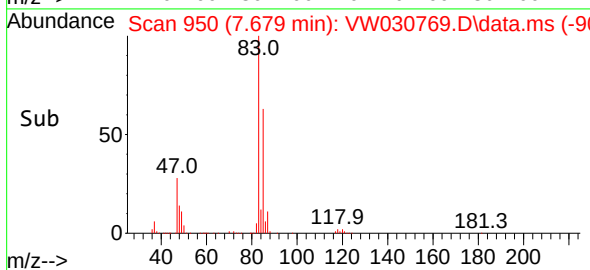
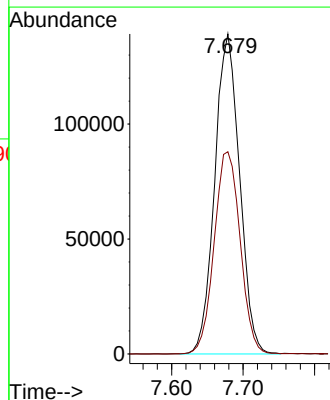
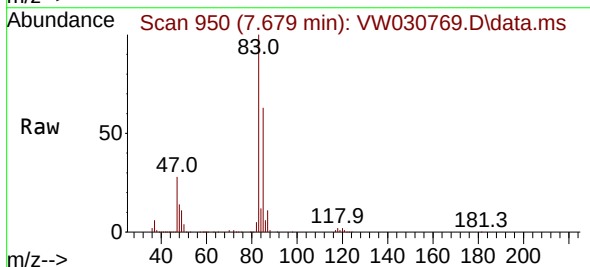
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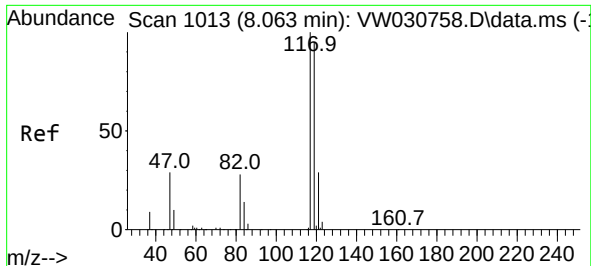
Tgt Ion: 43 Resp: 107955
Ion Ratio Lower Upper
43 100
72 26.9 14.4 43.0



#25
Chloroform
Concen: 47.948 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion: 83 Resp: 336432
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.7

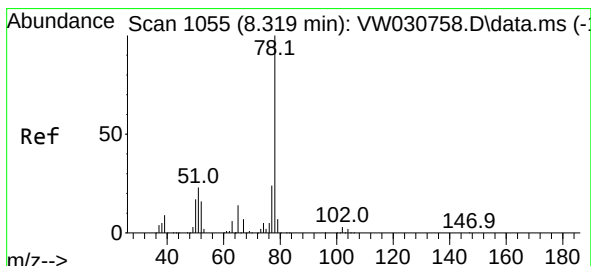
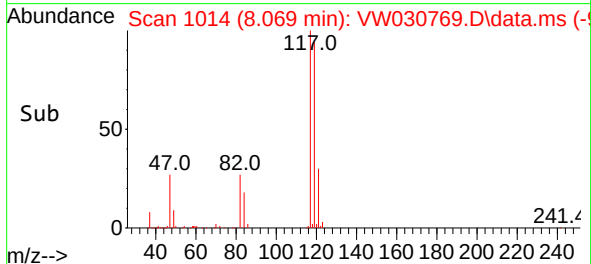
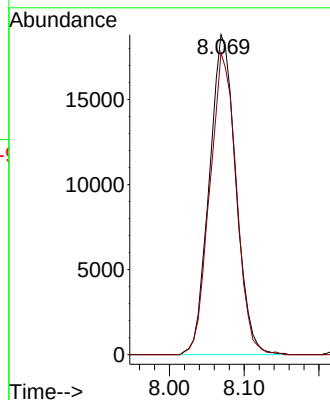
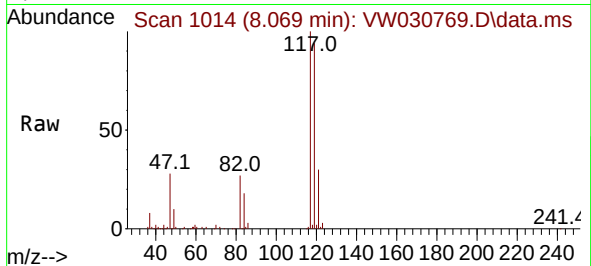




#31
Carbon tetrachloride
Concen: 8.682 ug/L
RT: 8.069 min Scan# 1013
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

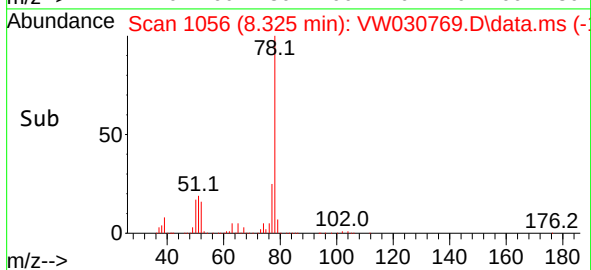
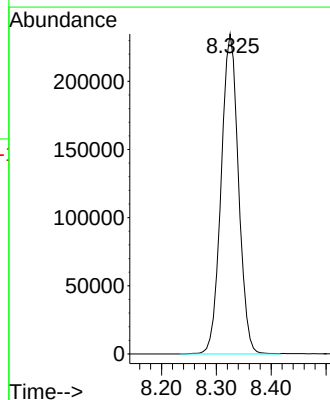
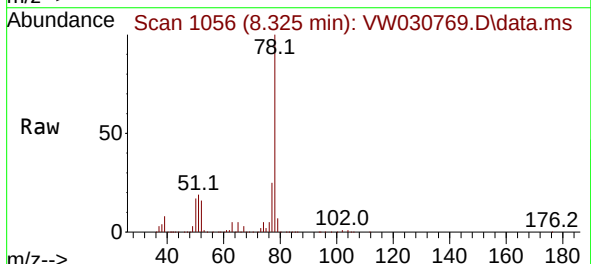
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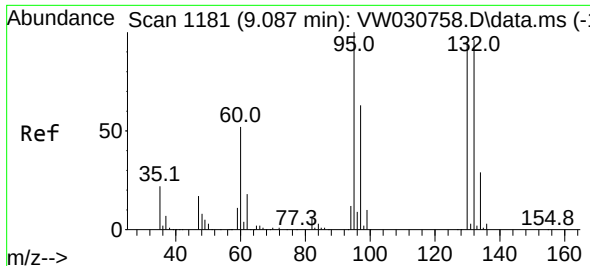
Tgt Ion:117 Resp: 46483
Ion Ratio Lower Upper
117 100
119 94.2 77.8 116.8



#33
Benzene
Concen: 35.218 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion: 78 Resp: 517528





#34

Trichloroethene

Concen: 50.161 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

A4EA0DL

Tgt Ion: 95 Resp: 205067

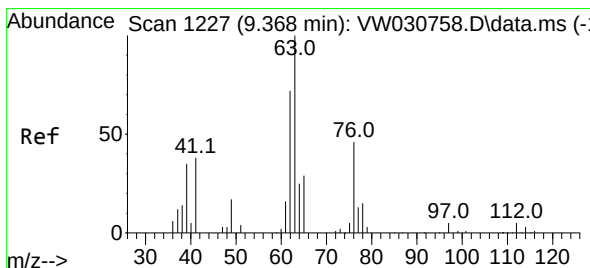
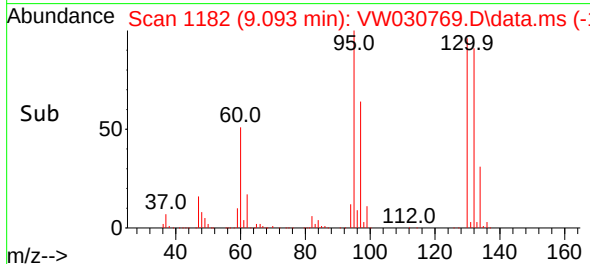
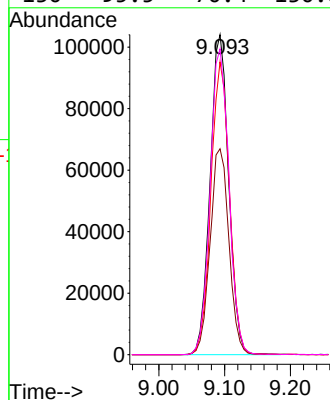
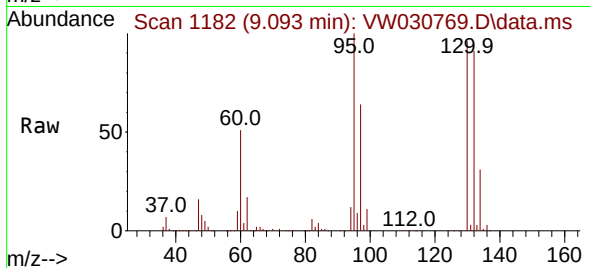
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 91.5 66.4 123.2

130 95.5 70.4 130.8



#37

1,2-Dichloropropane

Concen: 20.218 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030769.D

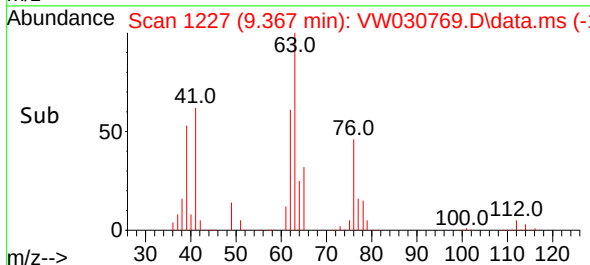
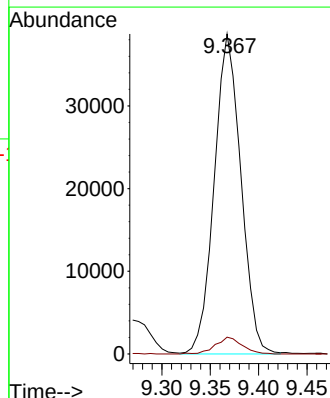
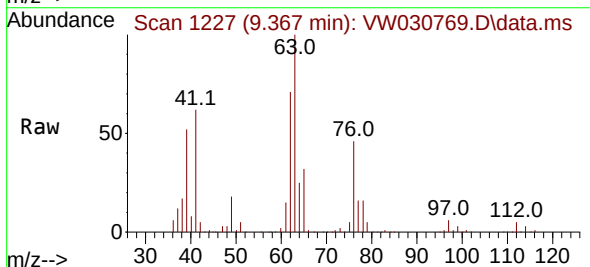
Acq: 25 Oct 2024 16:06

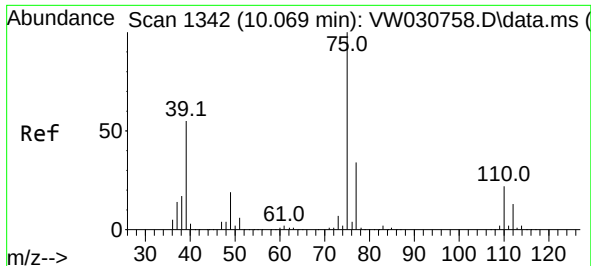
Tgt Ion: 63 Resp: 74202

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 33.090 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

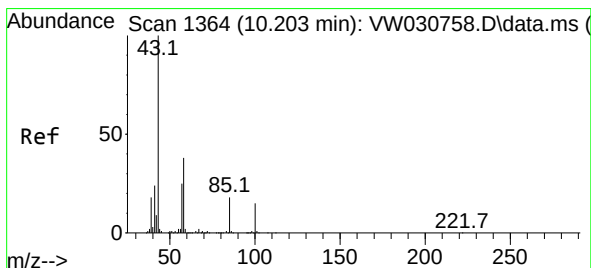
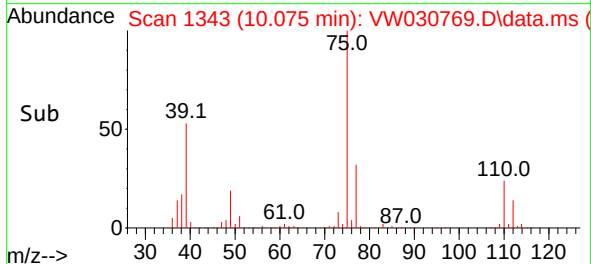
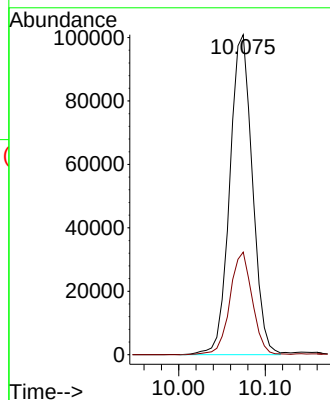
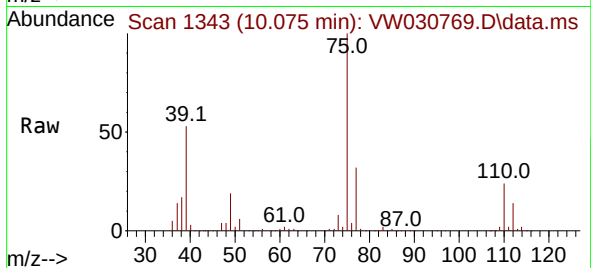
A4EA0DL

Tgt Ion: 75 Resp: 183181

Ion Ratio Lower Upper

75 100

77 32.0 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 81.180 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

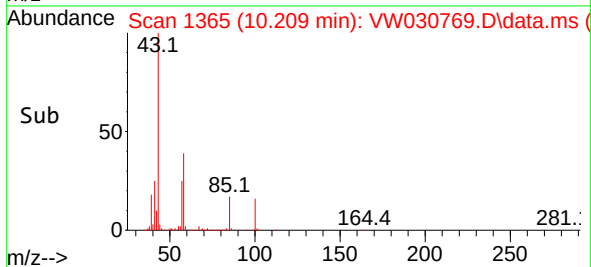
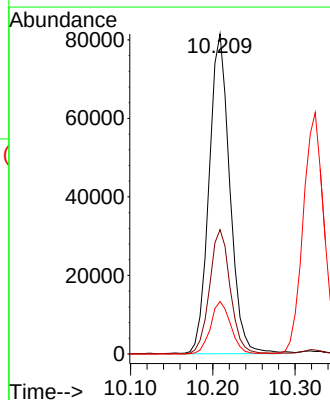
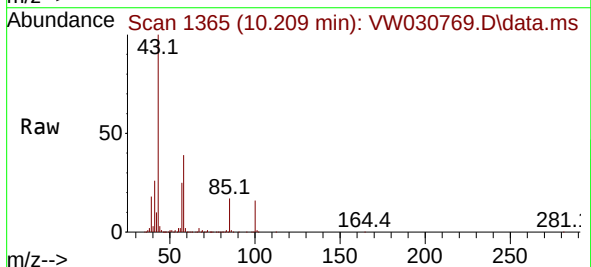
Tgt Ion: 43 Resp: 143132

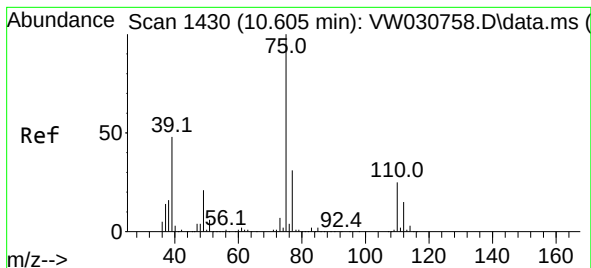
Ion Ratio Lower Upper

43 100

58 38.5 31.4 47.2

100 15.9 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 37.499 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

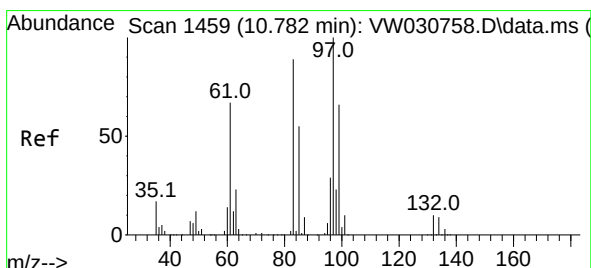
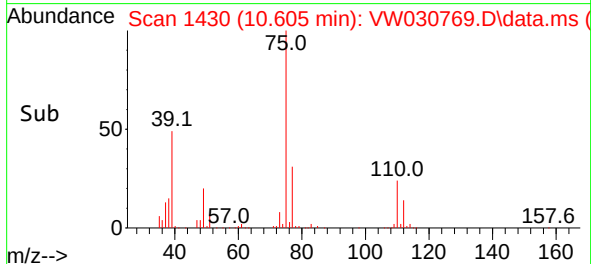
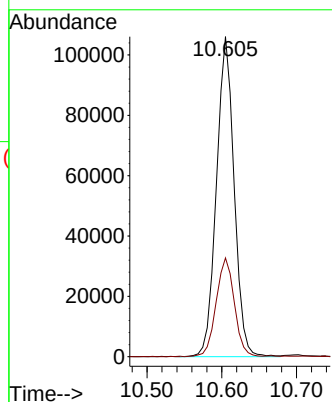
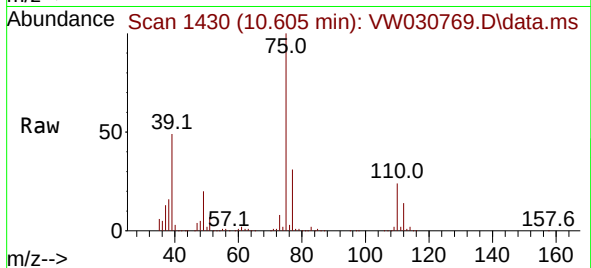
A4EA0DL

Tgt Ion: 75 Resp: 174441

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 26.628 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Tgt Ion: 97 Resp: 70631

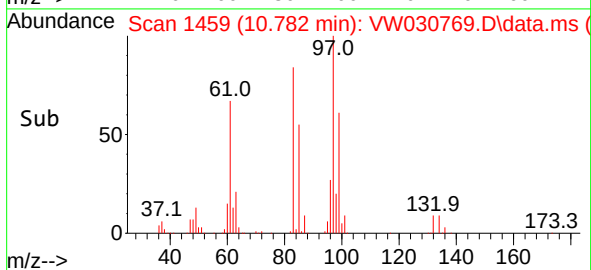
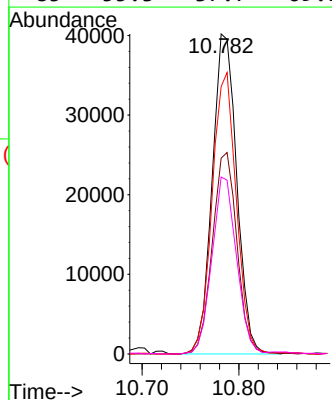
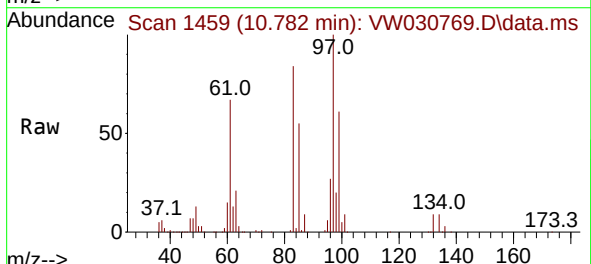
Ion Ratio Lower Upper

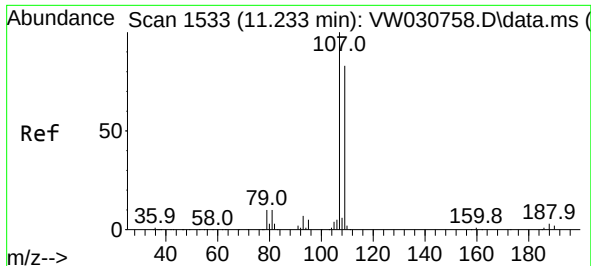
97 100

99 61.2 41.2 76.6

83 83.6 59.6 110.6

85 55.3 37.7 69.9





#50

1,2-Dibromoethane

Concen: 25.212 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

A4EA0DL

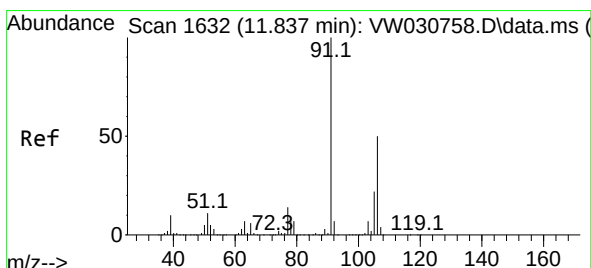
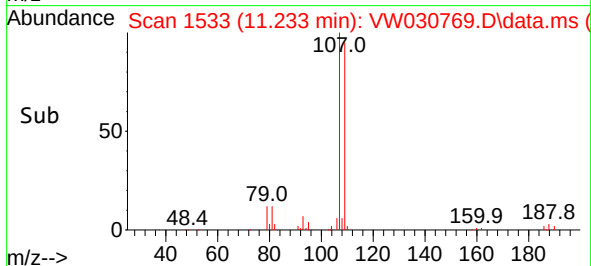
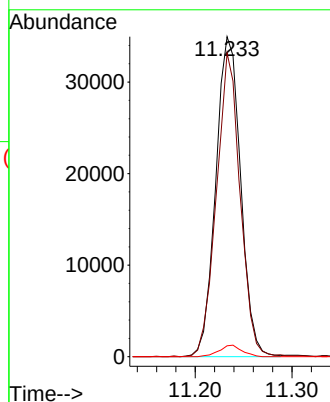
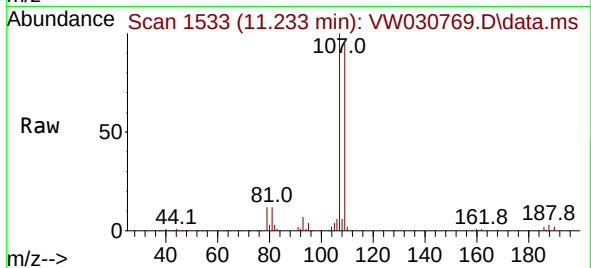
Tgt Ion:107 Resp: 62401

Ion Ratio Lower Upper

107 100

109 94.9 63.8 118.6

188 3.4 2.6 3.8



#53

m,p-Xylene

Concen: 25.982 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW030769.D

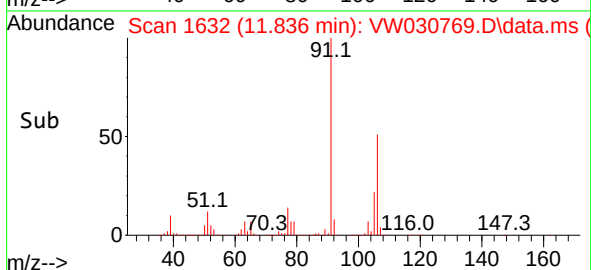
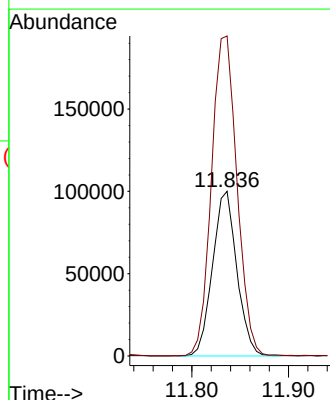
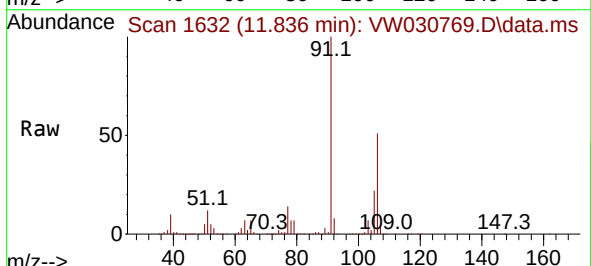
Acq: 25 Oct 2024 16:06

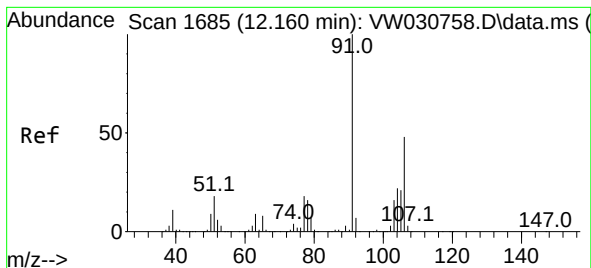
Tgt Ion:106 Resp: 174127

Ion Ratio Lower Upper

106 100

91 194.4 140.6 261.2





#54

o-Xylene

Concen: 34.852 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

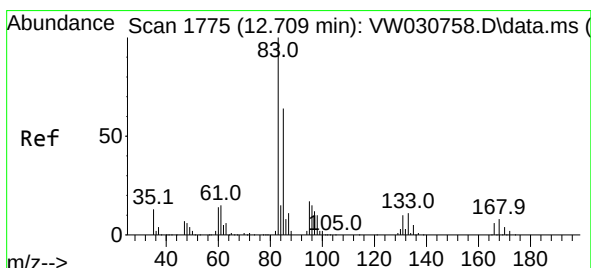
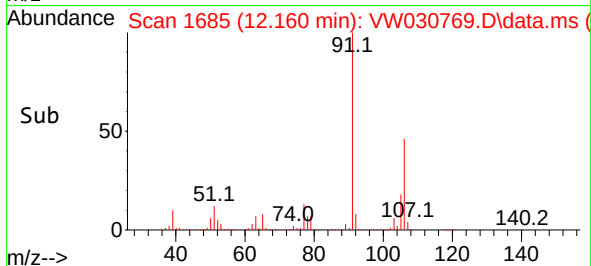
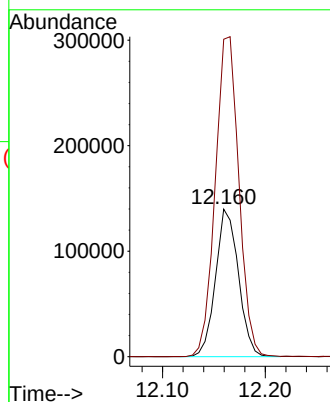
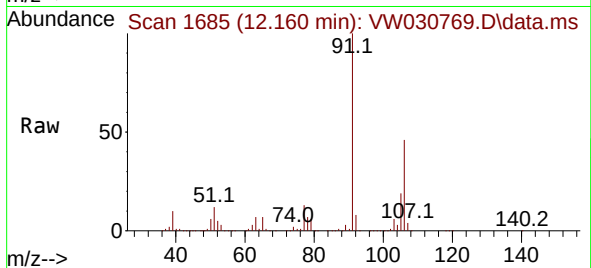
A4EA0DL

Tgt Ion:106 Resp: 215940

Ion Ratio Lower Upper

106 100

91 215.1 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 26.622 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

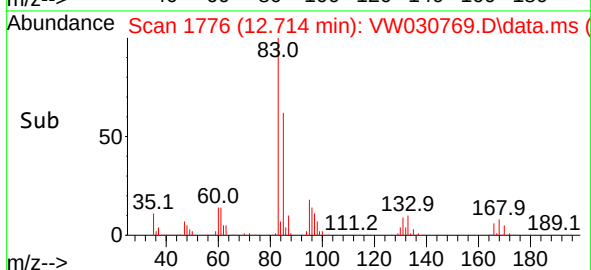
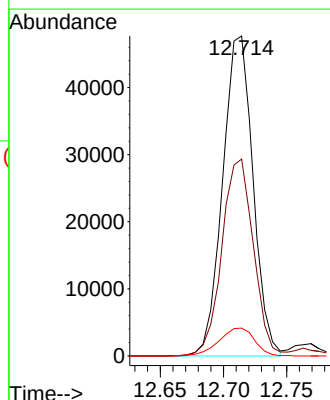
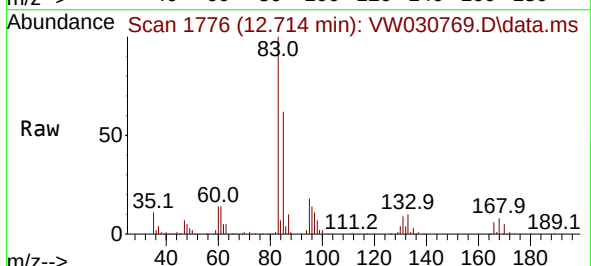
Tgt Ion: 83 Resp: 79631

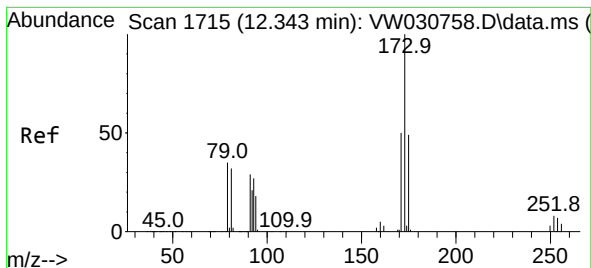
Ion Ratio Lower Upper

83 100

85 61.6 42.6 79.2

131 8.7 7.4 11.0





#59

Bromoform

Concen: 9.658 ug/L

RT: 12.349 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

Instrument :

MSVOA_W

ClientSampleId :

A4EA0DL

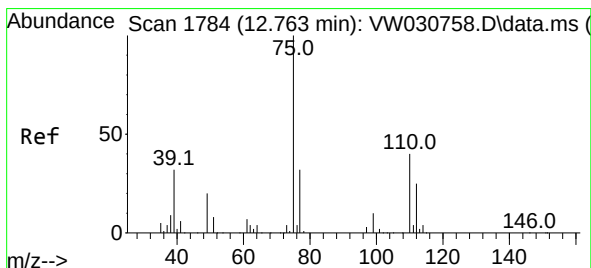
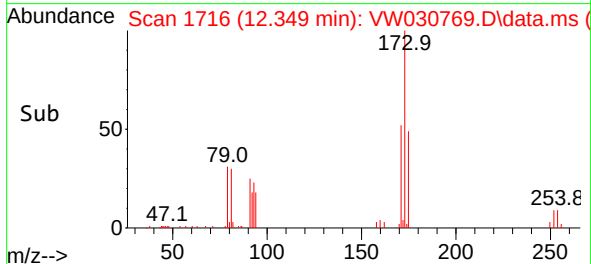
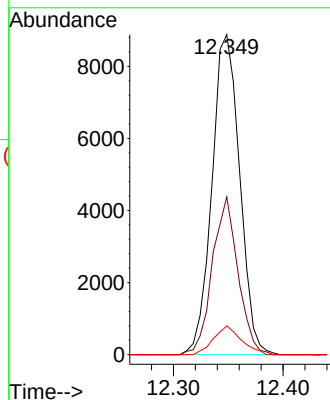
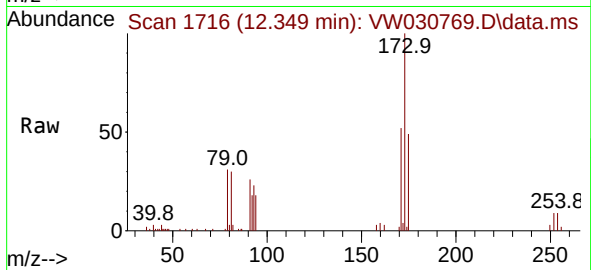
Tgt Ion:173 Resp: 15639

Ion Ratio Lower Upper

173 100

175 45.6 39.0 58.4

254 8.9 7.7 11.5



#61

1,2,3-Trichloropropane

Concen: 39.994 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW030769.D

Acq: 25 Oct 2024 16:06

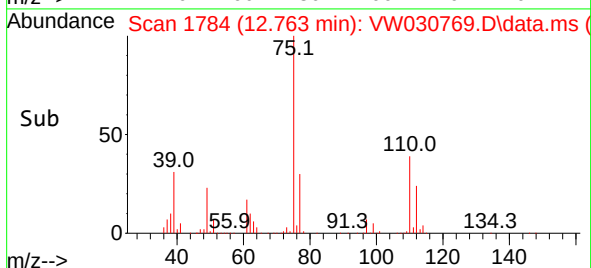
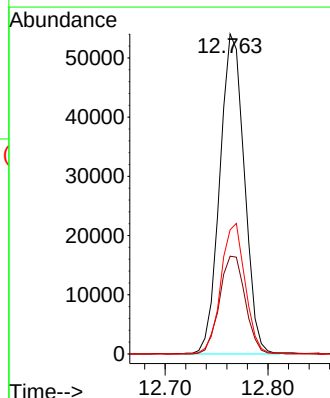
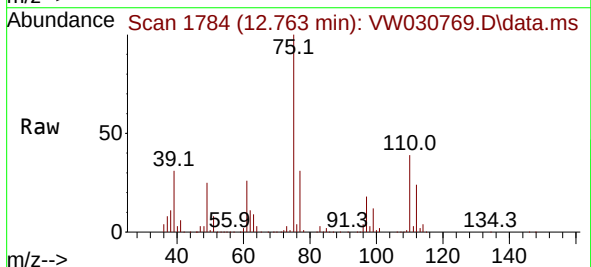
Tgt Ion: 75 Resp: 89699

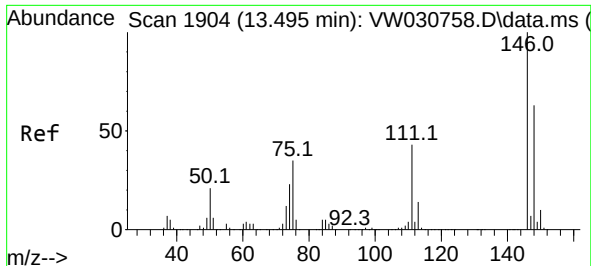
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

110 40.2 32.3 48.5

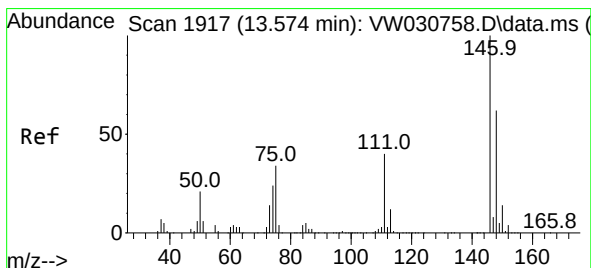
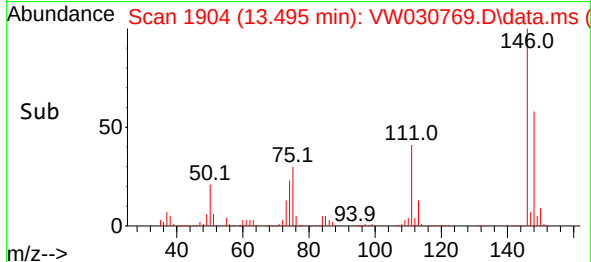
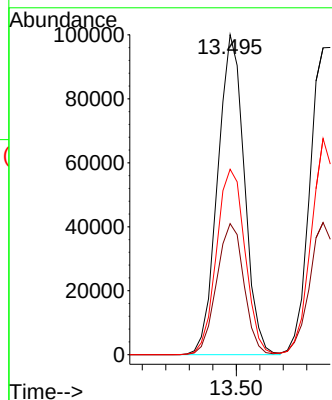
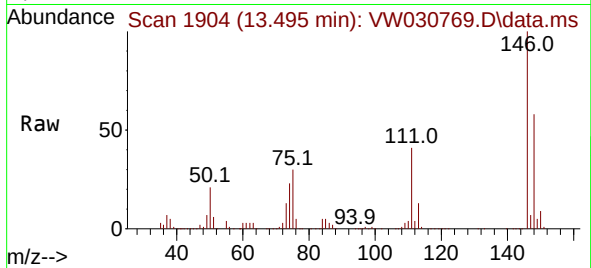




#64
1,3-Dichlorobenzene
Concen: 20.314 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

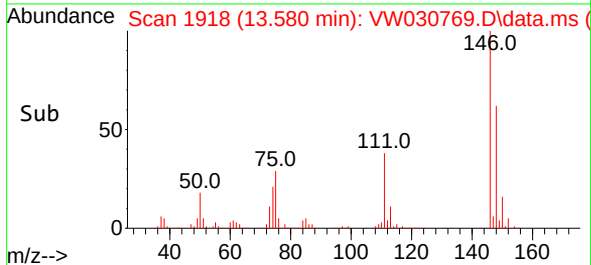
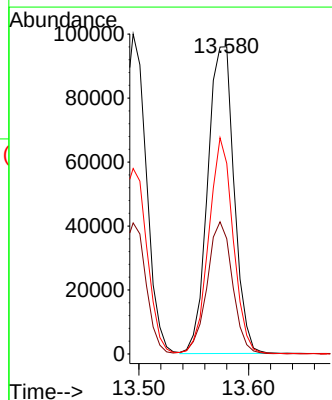
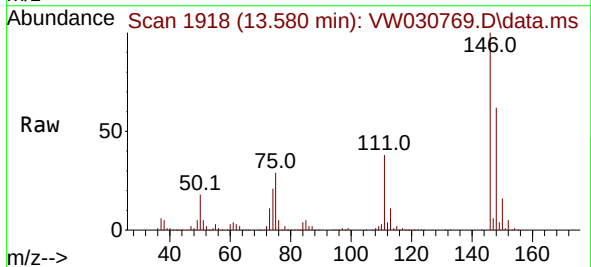
Instrument :
MSVOA_W
ClientSampleId :
A4EA0DL

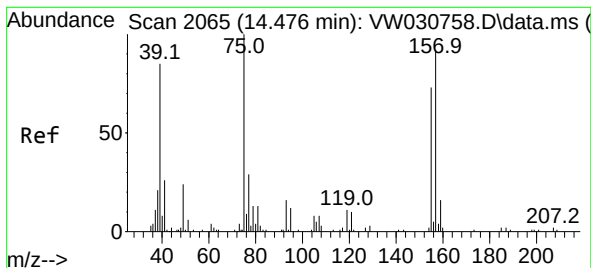
Tgt Ion:146 Resp: 157828
Ion Ratio Lower Upper
146 100
111 40.9 31.2 58.0
148 57.9 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 20.045 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion:146 Resp: 160806
Ion Ratio Lower Upper
146 100
111 37.5 26.8 49.8
148 62.0 41.0 76.2

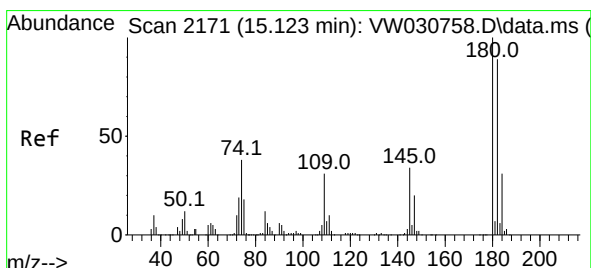
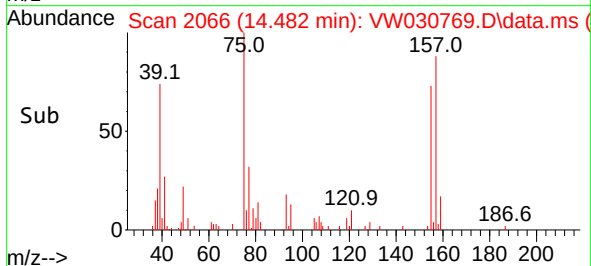
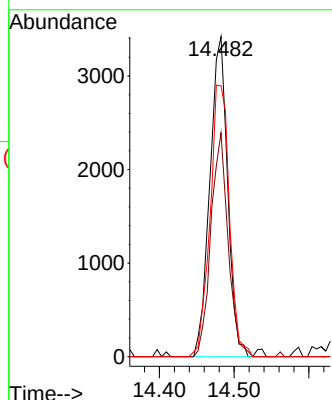
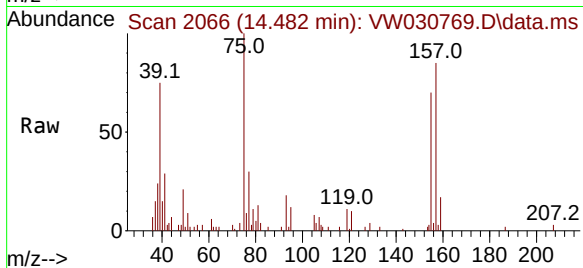




#68
1,2-Dibromo-3-chloropropane
Concen: 11.366 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Instrument :
MSVOA_W
ClientSampleId :
A4EA0DL

Tgt Ion: 75 Resp: 5684
Ion Ratio Lower Upper
75 100
155 69.9 57.9 86.9
157 84.6 69.0 103.6



#70
1,2,4-trichlorobenzene
Concen: 10.617 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VW030769.D
Acq: 25 Oct 2024 16:06

Tgt Ion:180 Resp: 43787
Ion Ratio Lower Upper
180 100
182 99.9 75.2 112.8
145 31.0 25.4 38.2

