

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
 Data File : VW030454.D
 Acq On : 08 Oct 2024 18:11
 Operator : SY/MD
 Sample : P4329-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E78

Quant Time: Oct 09 01:20:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 09 01:13:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	109261	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	100665	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	58220	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	14638	17.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.560%
7) Chloroethane-d5	2.899	69	12274	19.758	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.040%
11) 1,1-Dichloroethene-d2	4.021	65	12383	19.869	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.480%
21) 2-Butanone-d5	7.075	46	11853	34.522	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.040%
24) Chloroform-d	7.654	84	72358	24.651	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	8.307	65	32833	21.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.720%
32) Benzene-d6	8.276	84	119276	21.141	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.560%
36) 1,2-Dichloropropane-d6	9.276	67	33244	19.591	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.360%
41) Toluene-d8	10.325	98	121464	23.478	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.920%
43) trans-1,3-Dichloroprop...	10.581	79	15417	21.843	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.360%
47) 2-Hexanone-d5	10.922	63	11476	40.955	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.900%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	28876	22.773	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.080%
66) 1,2-Dichlorobenzene-d4	13.848	152	48962	25.330	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.320%

Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.045	96	55529	43.745	ug/L #	71
13) Acetone	4.125	43	16487	45.266	ug/L	97
16) Methylene chloride	4.917	84	115986	68.971	ug/L	87
17) trans-1,2-Dichloroethene	5.429	96	46459	31.528	ug/L	89
18) Methyl tert-butyl Ether	5.429	73	99679	42.530	ug/L	96
19) 1,1-Dichloroethane	6.222	63	210491	75.008	ug/L	96
22) 2-Butanone	7.167	43	63116	135.556	ug/L	89
25) Chloroform	7.679	83	249133	85.603	ug/L	100
31) Carbon tetrachloride	8.075	117	40414	19.391	ug/L	100
33) Benzene	8.325	78	377719	61.604	ug/L	100
34) Trichloroethene	9.093	95	162864	99.860	ug/L	93
37) 1,2-Dichloropropane	9.368	63	49070	30.333	ug/L #	95
39) cis-1,3-Dichloropropene	10.069	75	144885	58.409	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	85532	102.793	ug/L #	89
44) trans-1,3-Dichloropropene	10.605	75	138417	67.344	ug/L	94
45) 1,1,2-Trichloroethane	10.788	97	53829	47.217	ug/L	95
50) 1,2-Dibromoethane	11.233	107	50219	46.555	ug/L	94
53) m,p-Xylene	11.837	106	152381	54.894	ug/L	93
54) o-Xylene	12.160	106	189392	71.683	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
 Data File : VW030454.D
 Acq On : 08 Oct 2024 18:11
 Operator : SY/MD
 Sample : P4329-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E78

Quant Time: Oct 09 01:20:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 09 01:13:46 2024
 Response via : Initial Calibration

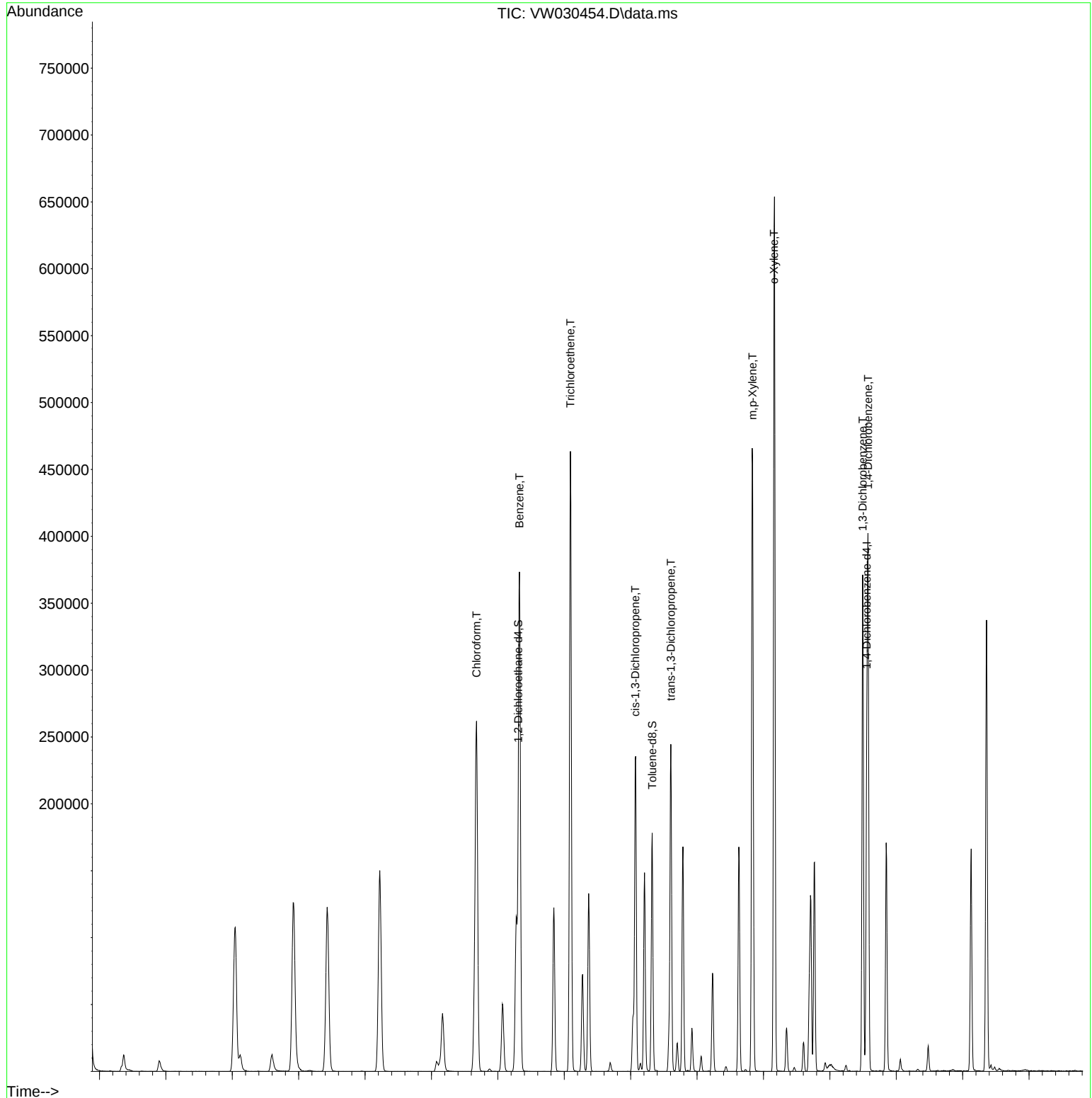
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	58516	43.827	ug/L #	99
59) Bromoform	12.349	173	16156	19.155	ug/L	96
61) 1,2,3-Trichloropropane	12.769	75	66547	60.126	ug/L	93
64) 1,3-Dichlorobenzene	13.495	146	162934	44.120	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	155245	41.151	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.482	75	4408	17.382	ug/L #	66
70) 1,2,4-trichlorobenzene	15.129	180	56224	26.642	ug/L	97

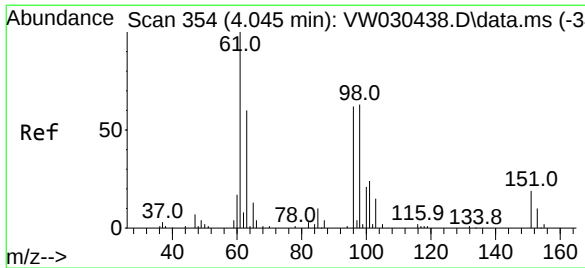
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
Data File : VW030454.D
Acq On : 08 Oct 2024 18:11
Operator : SY/MD
Sample : P4329-01
Misc : 5.00g/10mL/MSVOA_W/SOIL/B
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4E78

Quant Time: Oct 09 01:20:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 09 01:13:46 2024
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 43.745 ug/L

RT: 4.045 min Scan# 35

Delta R.T. -0.000 min

Lab File: VW030454.D

Acq: 08 Oct 2024 18:11

Instrument :

MSVOA_W

ClientSampleId :

A4E78

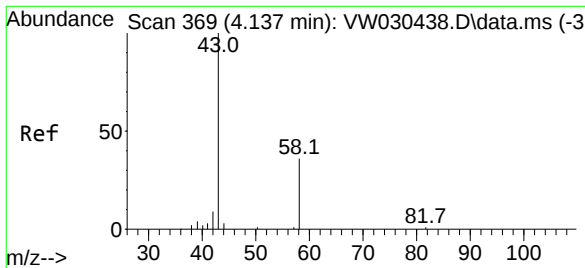
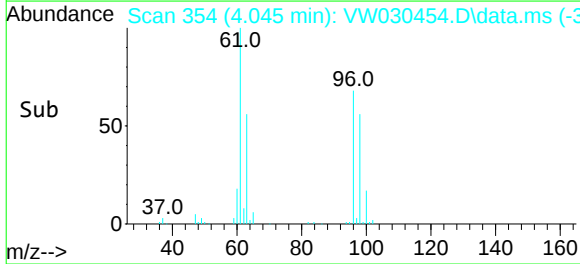
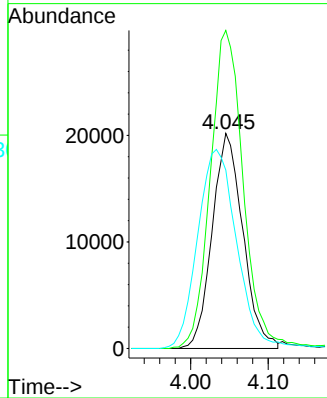
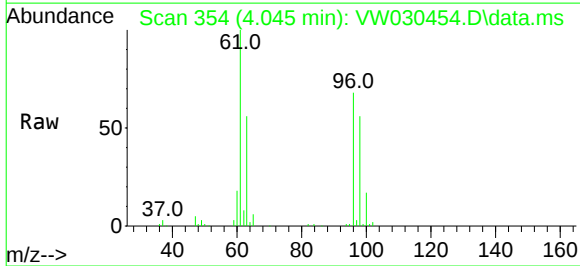
Tgt Ion: 96 Resp: 55529

Ion Ratio Lower Upper

96 100

61 147.9 120.1 223.1

63 82.9 94.8 176.2#



#13

Acetone

Concen: 45.266 ug/L

RT: 4.125 min Scan# 367

Delta R.T. -0.012 min

Lab File: VW030454.D

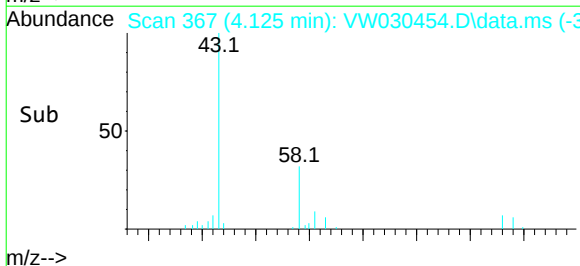
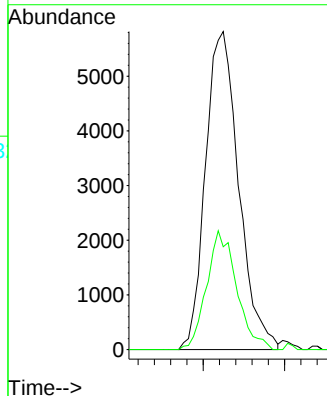
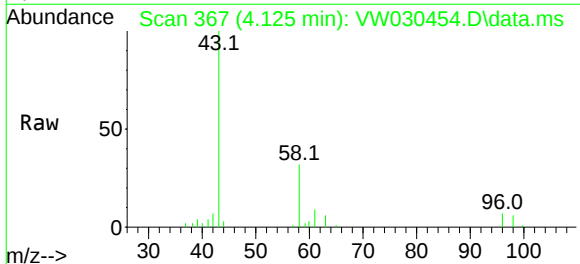
Acq: 08 Oct 2024 18:11

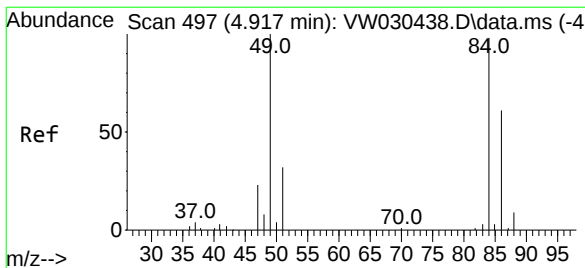
Tgt Ion: 43 Resp: 16487

Ion Ratio Lower Upper

43 100

58 33.7 0.0 64.0





#16

Methylene chloride

Concen: 68.971 ug/L

RT: 4.917 min Scan# 49

Delta R.T. -0.000 min

Lab File: VW030454.D

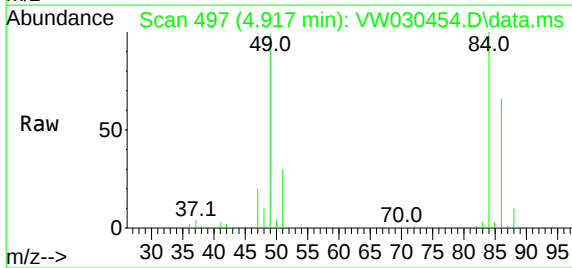
Acq: 08 Oct 2024 18:11

Instrument :

MSVOA_W

ClientSampleId :

A4E78



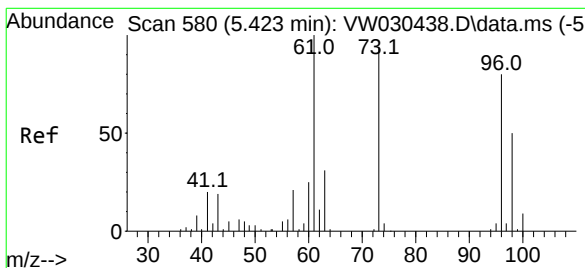
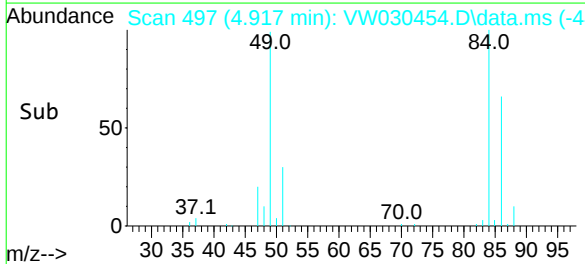
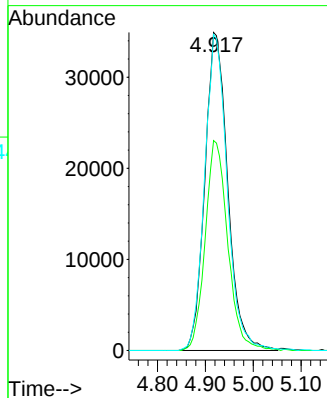
Tgt Ion: 84 Resp: 115986

Ion Ratio Lower Upper

84 100

86 66.0 44.8 83.2

49 99.4 83.6 155.2



#17

trans-1,2-Dichloroethene

Concen: 31.528 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW030454.D

Acq: 08 Oct 2024 18:11

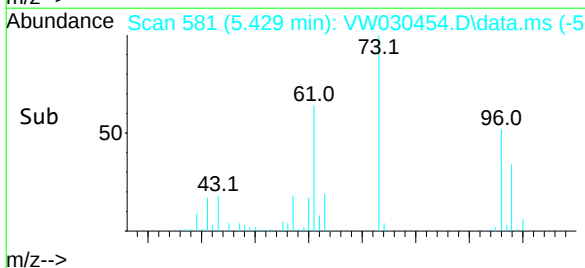
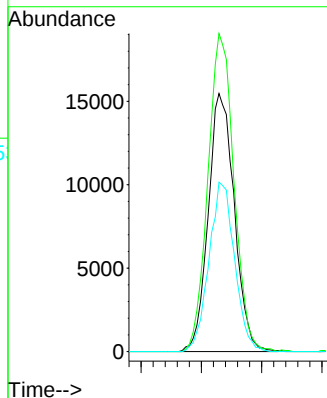
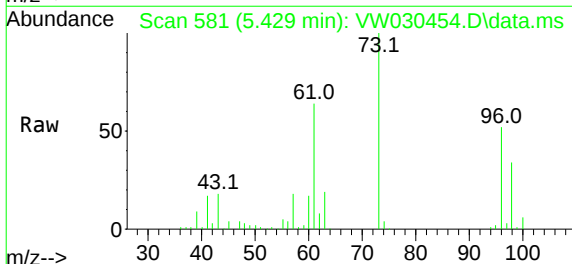
Tgt Ion: 96 Resp: 46459

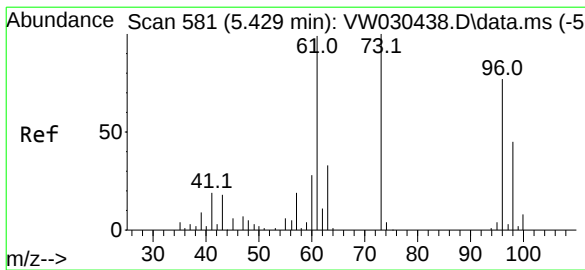
Ion Ratio Lower Upper

96 100

61 123.3 100.3 186.3

98 65.6 46.3 86.1





#18

Methyl tert-butyl Ether

Concen: 42.530 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW030454.D

Acq: 08 Oct 2024 18:11

Instrument :

MSVOA_W

ClientSampleId :

A4E78

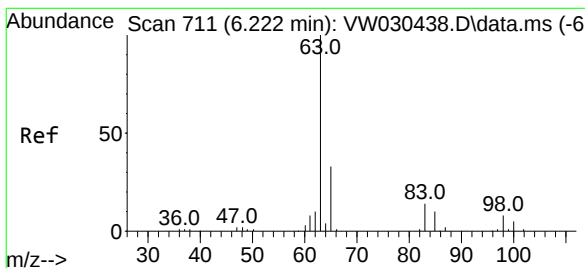
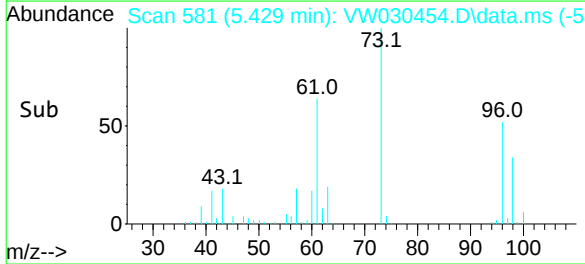
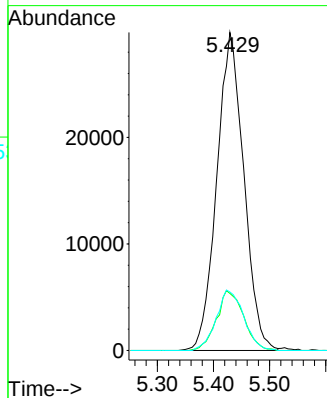
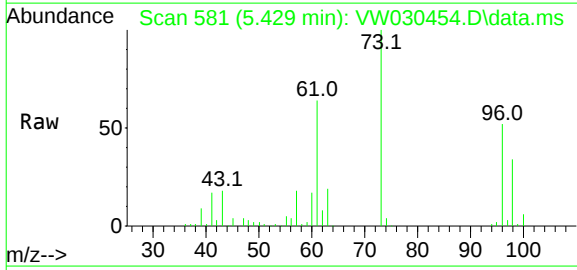
Tgt Ion: 73 Resp: 99679

Ion Ratio Lower Upper

73 100

43 19.0 15.9 23.9

57 19.3 17.6 26.4



#19

1,1-Dichloroethane

Concen: 75.008 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW030454.D

Acq: 08 Oct 2024 18:11

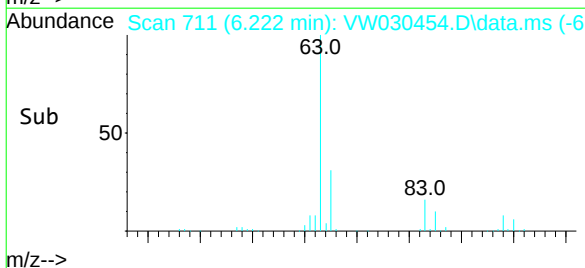
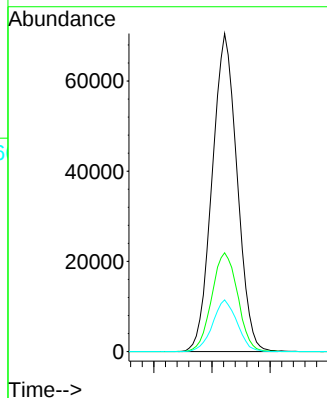
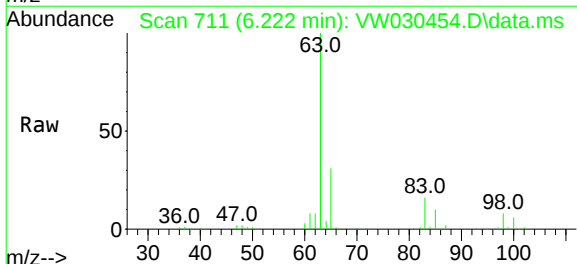
Tgt Ion: 63 Resp: 210491

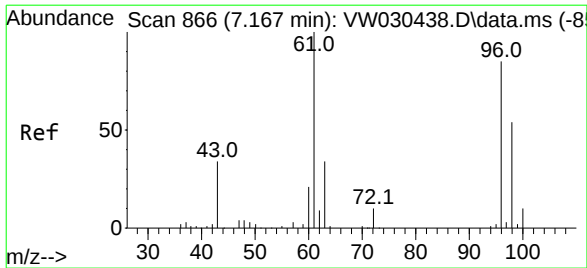
Ion Ratio Lower Upper

63 100

65 31.1 20.7 38.5

83 16.3 9.9 18.3

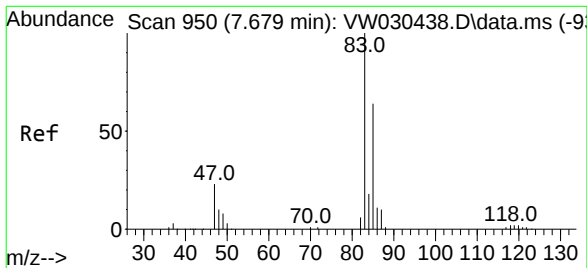
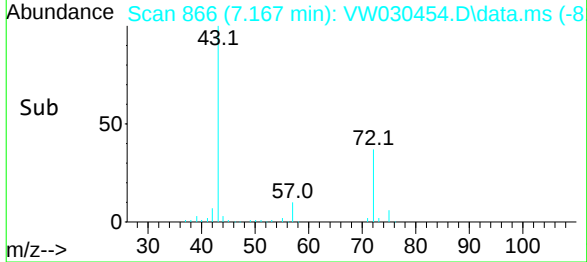
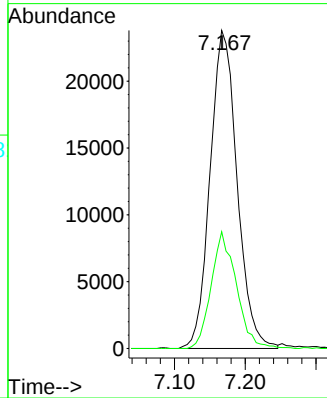
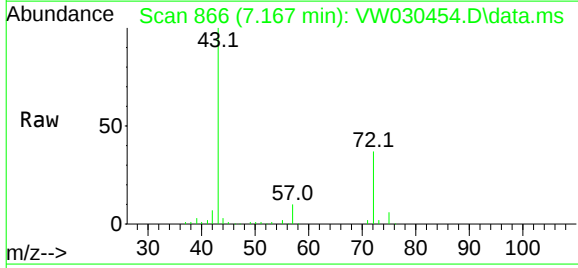




#22
2-Butanone
Concen: 135.556 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

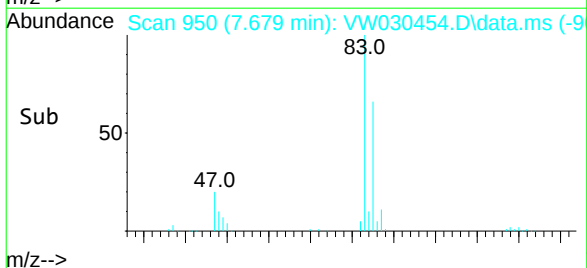
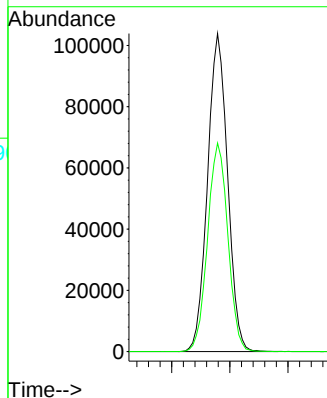
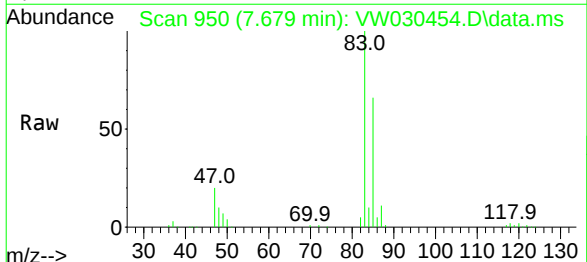
Instrument :
MSVOA_W
ClientSampleId :
A4E78

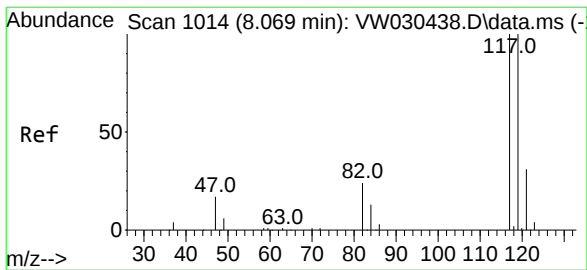
Tgt Ion: 43 Resp: 63116
Ion Ratio Lower Upper
43 100
72 34.1 14.1 42.3



#25
Chloroform
Concen: 85.603 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

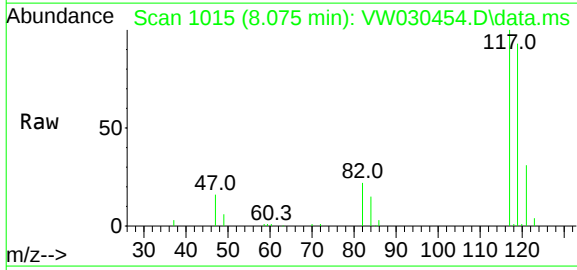
Tgt Ion: 83 Resp: 249133
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.0



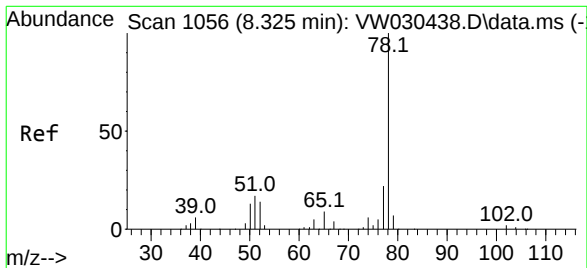
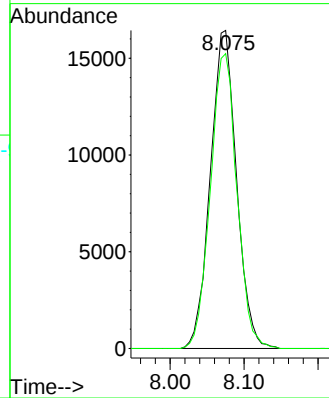
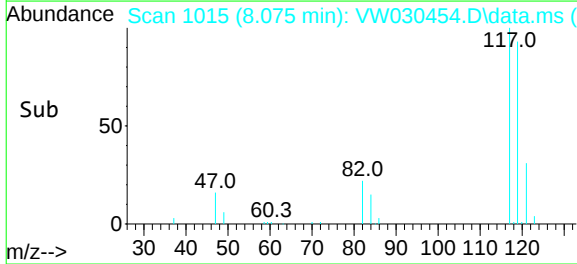


#31
Carbon tetrachloride
Concen: 19.391 ug/L
RT: 8.075 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Instrument :
MSVOA_W
ClientSampleId :
A4E78

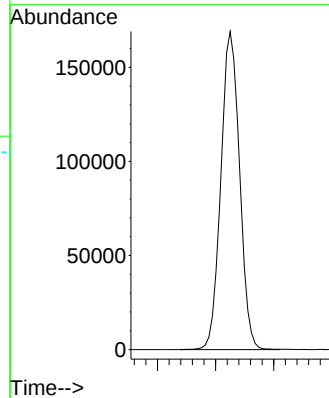
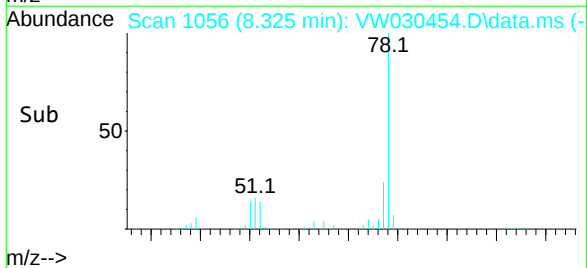
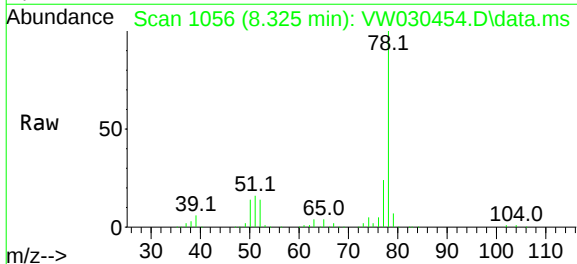


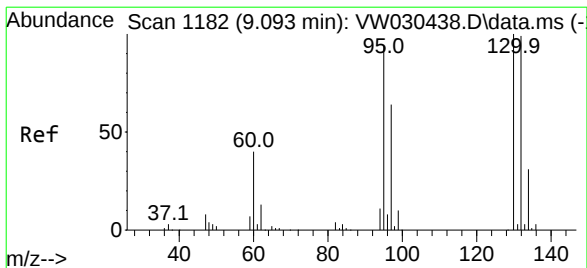
Tgt Ion:117 Resp: 40414
Ion Ratio Lower Upper
117 100
119 94.0 75.5 113.3



#33
Benzene
Concen: 61.604 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Tgt Ion: 78 Resp: 377719





#34

Trichloroethene

Concen: 99.860 ug/L

RT: 9.093 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030454.D

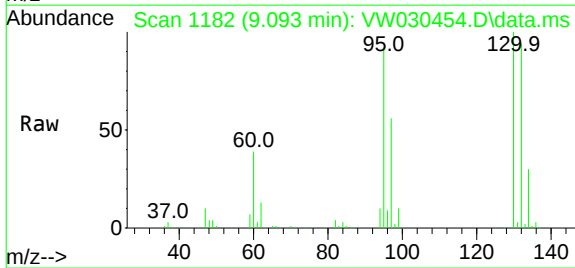
Acq: 08 Oct 2024 18:11

Instrument :

MSVOA_W

ClientSampleId :

A4E78



Tgt Ion: 95 Resp: 162864

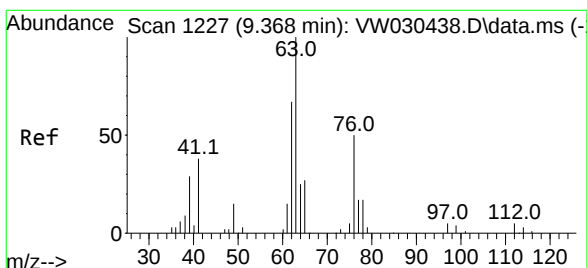
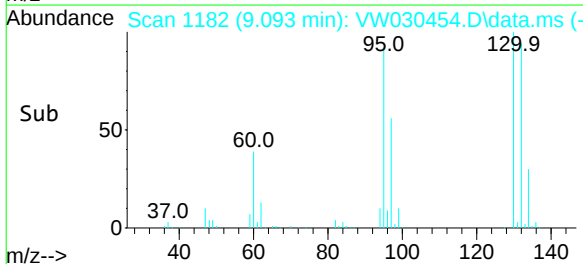
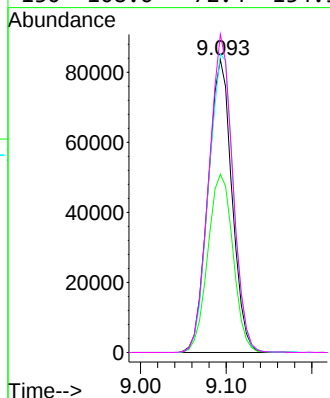
Ion Ratio Lower Upper

95 100

97 60.9 47.5 88.1

132 101.9 66.7 123.9

130 108.6 72.4 134.5



#37

1,2-Dichloropropane

Concen: 30.333 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030454.D

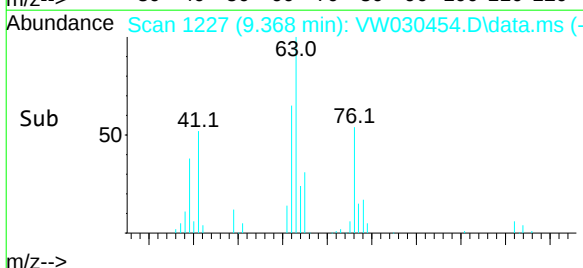
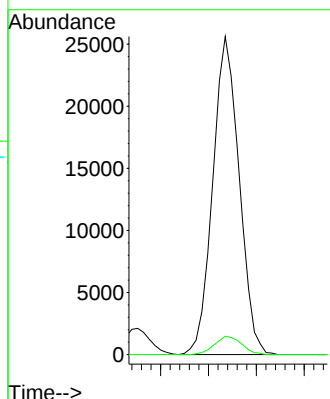
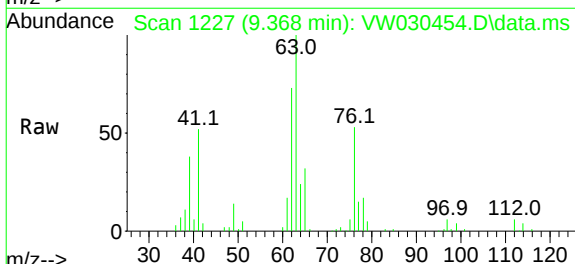
Acq: 08 Oct 2024 18:11

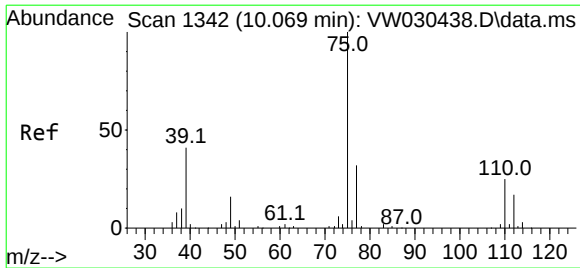
Tgt Ion: 63 Resp: 49070

Ion Ratio Lower Upper

63 100

112 5.9 3.4 5.2#

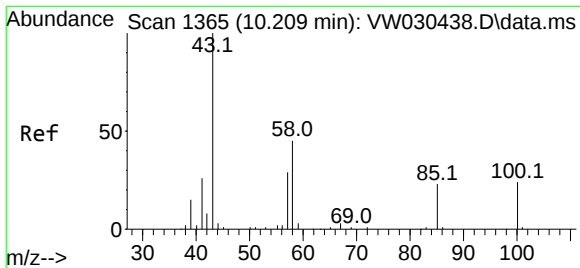
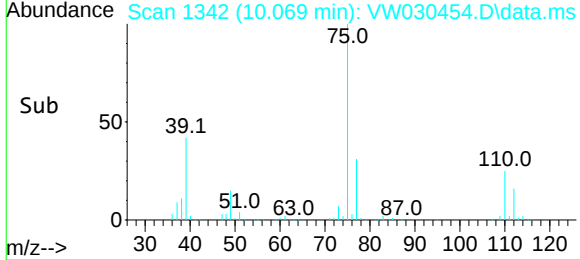
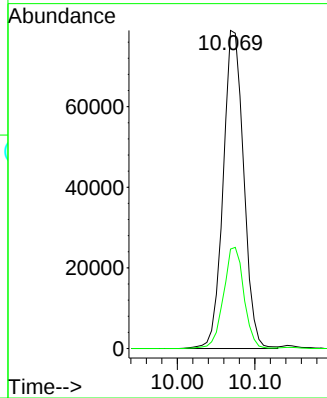
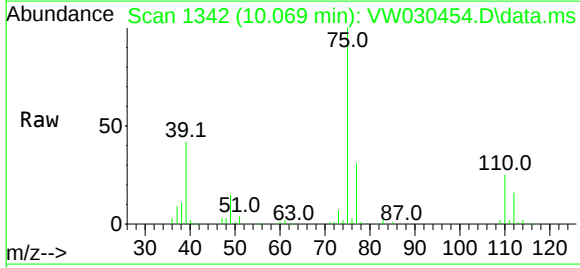




#39
cis-1,3-Dichloropropene
Concen: 58.409 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

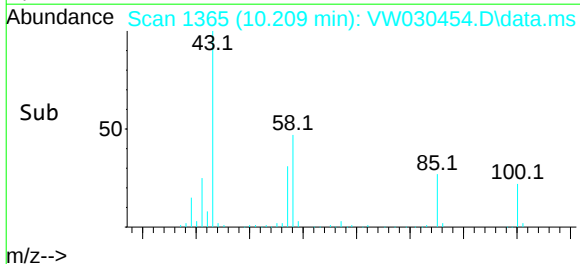
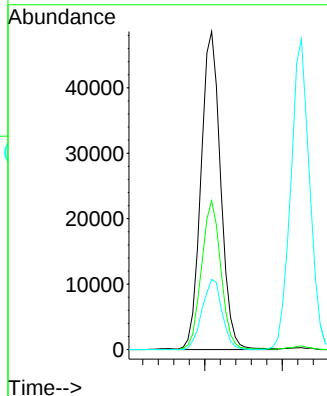
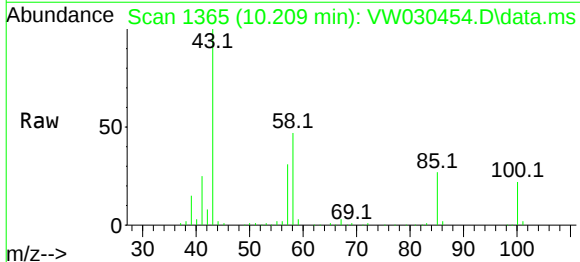
Instrument :
MSVOA_W
ClientSampleId :
A4E78

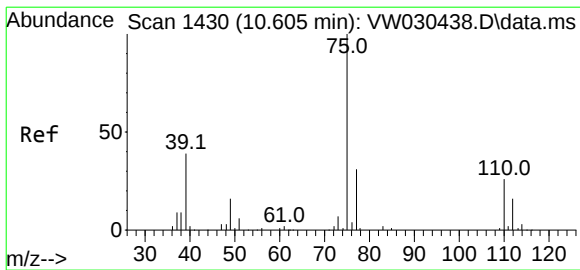
Tgt Ion: 75 Resp: 144885
Ion Ratio Lower Upper
75 100
77 31.3 22.0 40.8



#40
4-Methyl-2-pentanone
Concen: 102.793 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Tgt Ion: 43 Resp: 85532
Ion Ratio Lower Upper
43 100
58 46.1 32.6 48.8
100 22.4 12.5 18.7

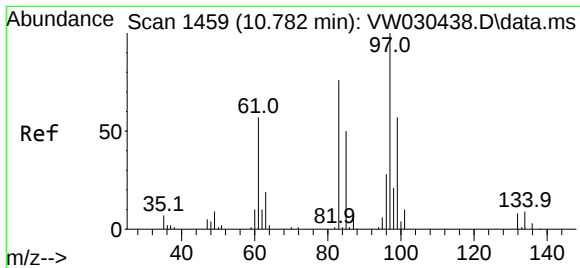
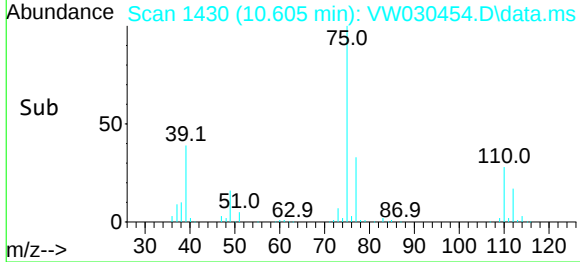
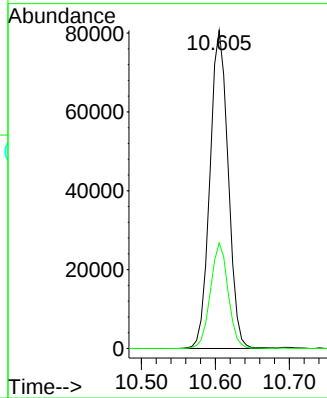
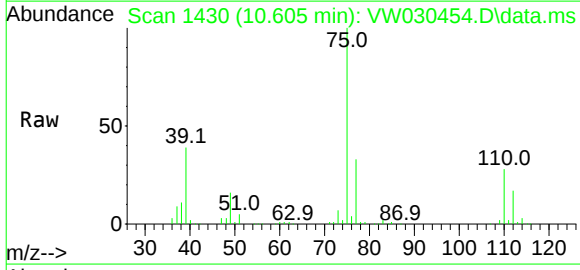




#44
trans-1,3-Dichloropropene
Concen: 67.344 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

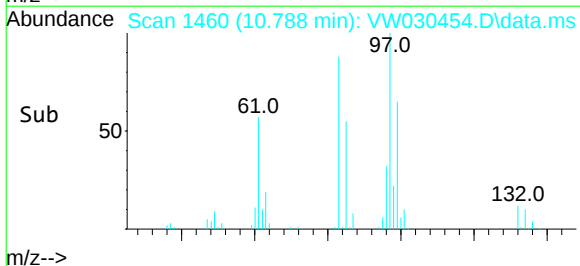
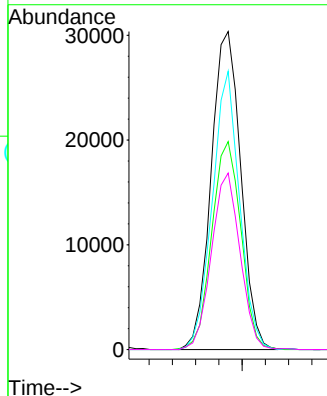
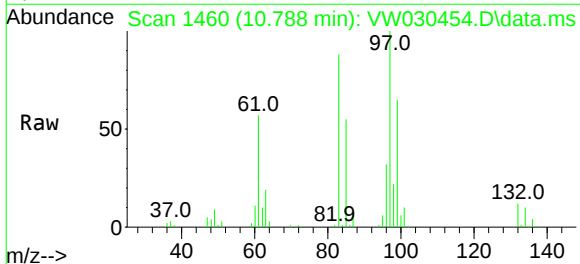
Instrument : MSVOA_W
ClientSampleId : A4E78

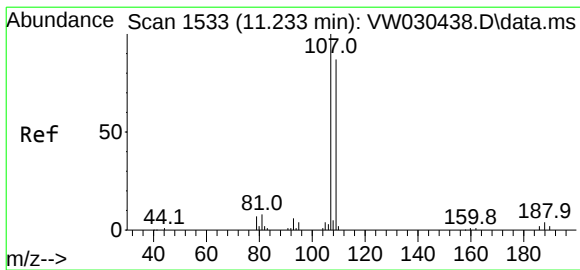
Tgt Ion: 75 Resp: 138417
Ion Ratio Lower Upper
75 100
77 33.2 20.8 38.6



#45
1,1,2-Trichloroethane
Concen: 47.217 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Tgt Ion: 97 Resp: 53829
Ion Ratio Lower Upper
97 100
99 65.4 40.8 75.8
83 87.5 59.1 109.7
85 55.5 38.4 71.4

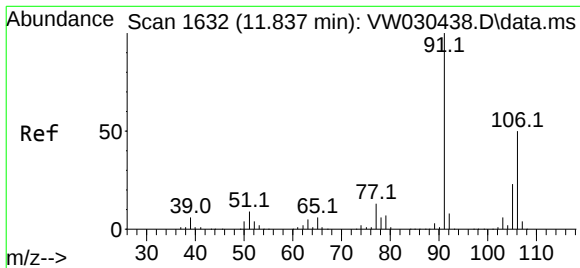
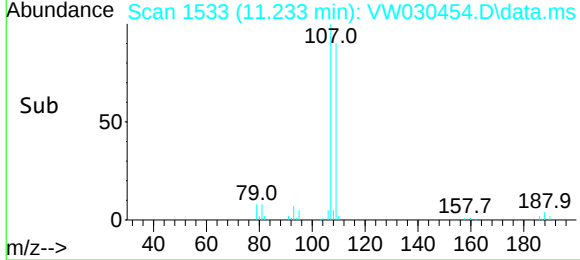
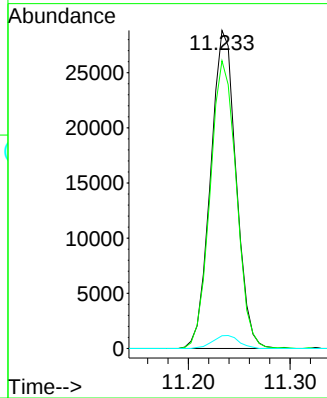
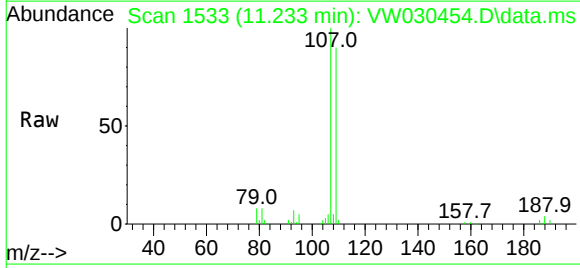




#50
1,2-Dibromoethane
Concen: 46.555 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

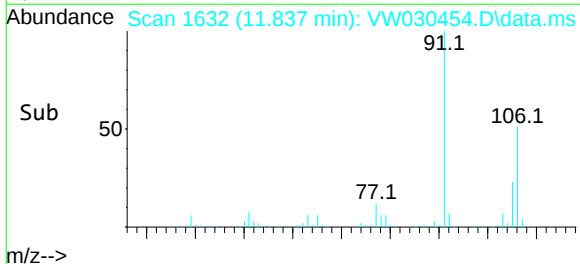
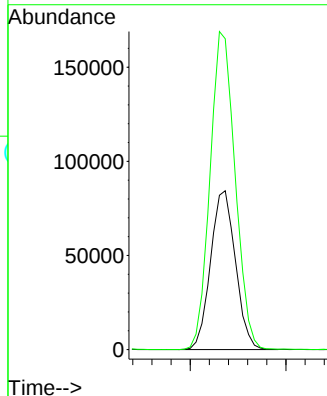
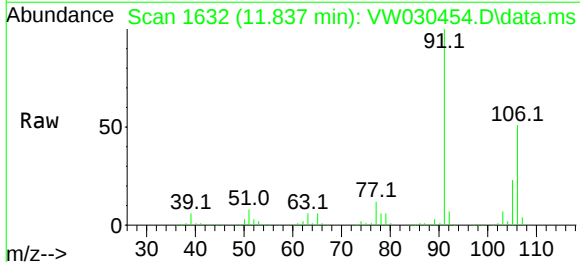
Instrument :
MSVOA_W
ClientSampleId :
A4E78

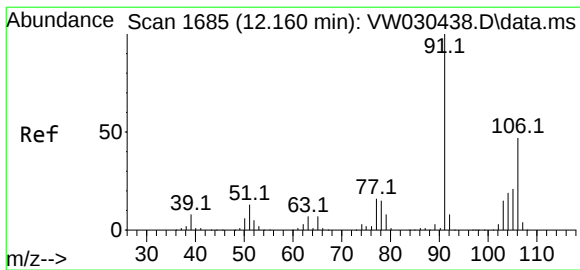
Tgt Ion:107 Resp: 50219
Ion Ratio Lower Upper
107 100
109 90.5 67.8 125.8
188 4.0 2.9 4.3



#53
m,p-Xylene
Concen: 54.894 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Tgt Ion:106 Resp: 152381
Ion Ratio Lower Upper
106 100
91 195.7 144.4 268.2





#54

o-Xylene

Concen: 71.683 ug/L

RT: 12.160 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW030454.D

Acq: 08 Oct 2024 18:11

Instrument :

MSVOA_W

ClientSampleId :

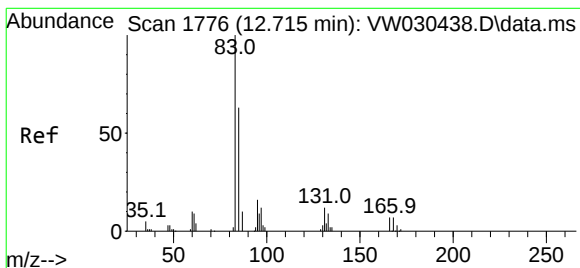
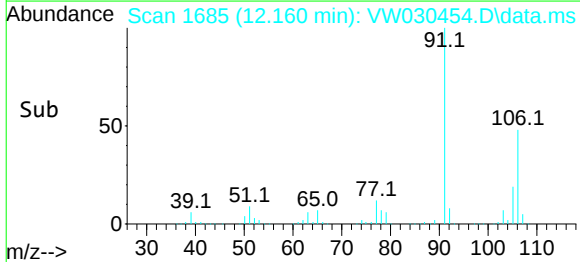
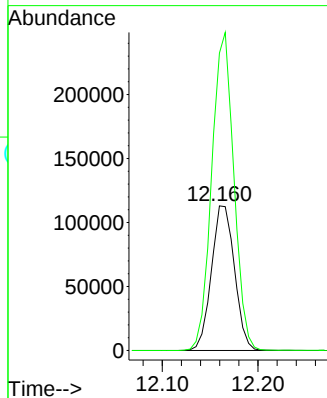
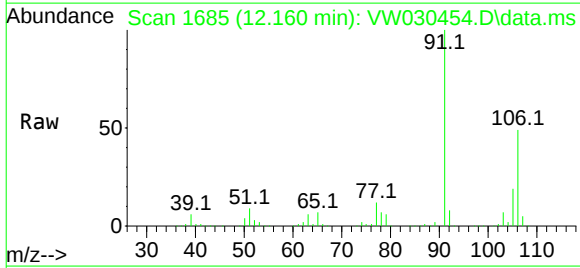
A4E78

Tgt Ion:106 Resp: 189392

Ion Ratio Lower Upper

106 100

91 205.7 153.6 285.2



#57

1,1,2,2-Tetrachloroethane

Concen: 43.827 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW030454.D

Acq: 08 Oct 2024 18:11

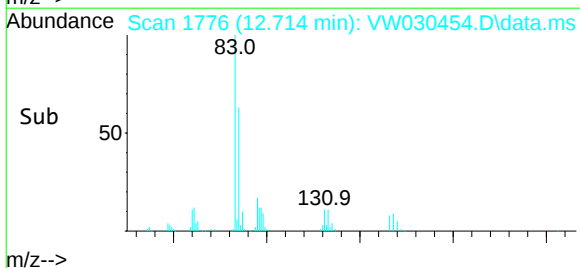
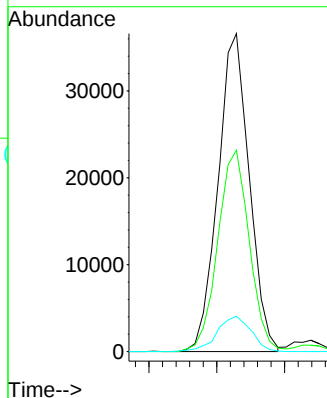
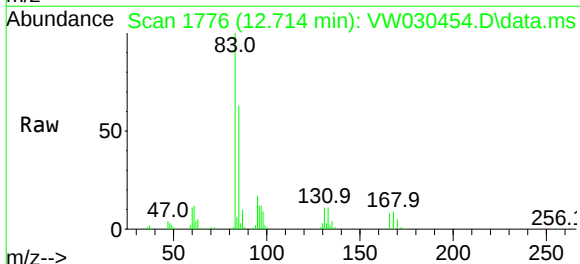
Tgt Ion: 83 Resp: 58516

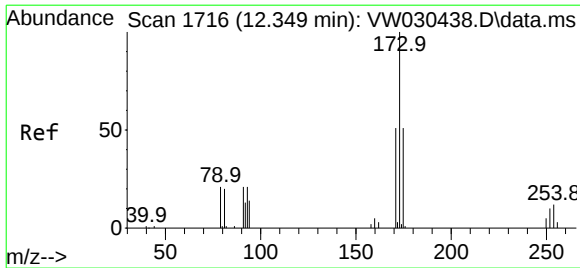
Ion Ratio Lower Upper

83 100

85 63.3 43.9 81.5

131 11.1 7.1 10.7#

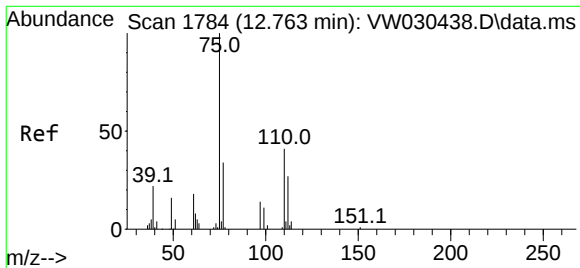
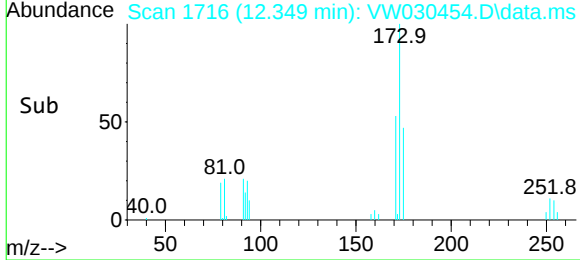
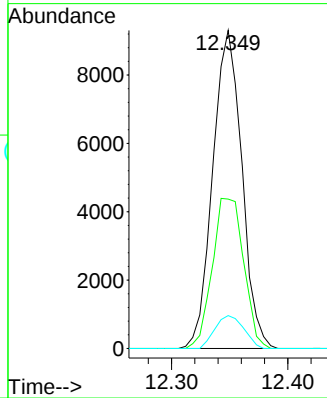
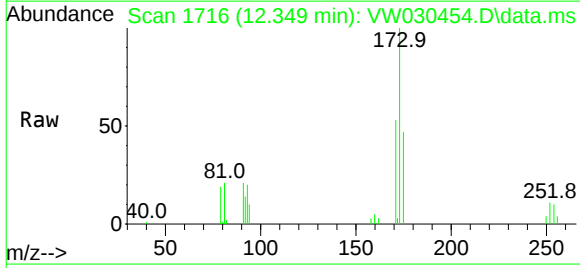




#59
Bromoform
Concen: 19.155 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

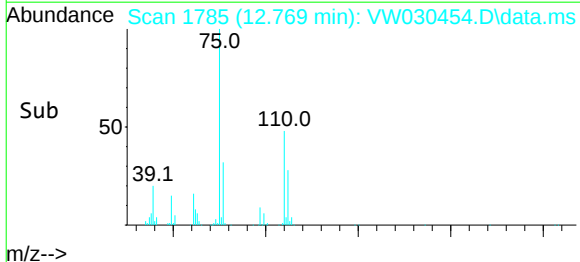
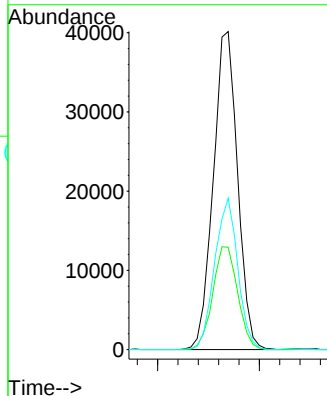
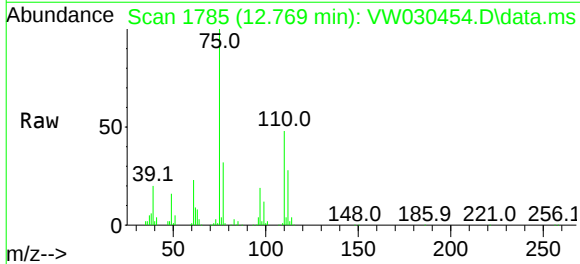
Instrument :
MSVOA_W
ClientSampleId :
A4E78

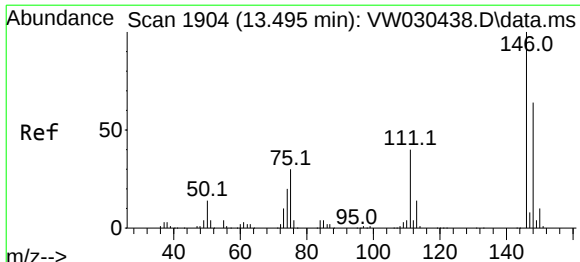
Tgt Ion:	173	Resp:	16156
Ion Ratio	Lower	Upper	
173	100		
175	50.9	38.7	58.1
254	10.3	7.4	11.2



#61
1,2,3-Trichloropropane
Concen: 60.126 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Tgt Ion:	75	Resp:	66547
Ion Ratio	Lower	Upper	
75	100		
77	33.2	25.4	38.2
110	45.4	30.8	46.2

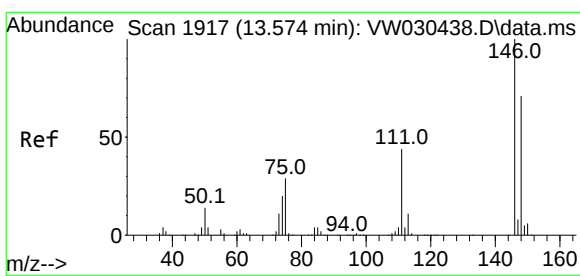
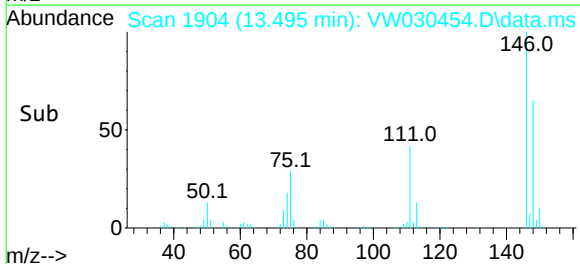
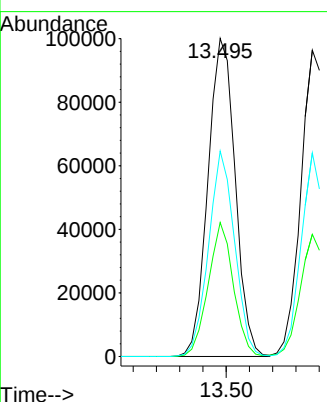
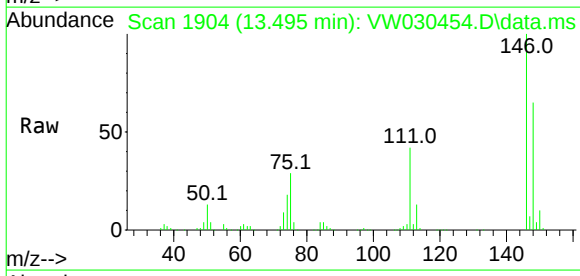




#64
 1,3-Dichlorobenzene
 Concen: 44.120 ug/L
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW030454.D
 Acq: 08 Oct 2024 18:11

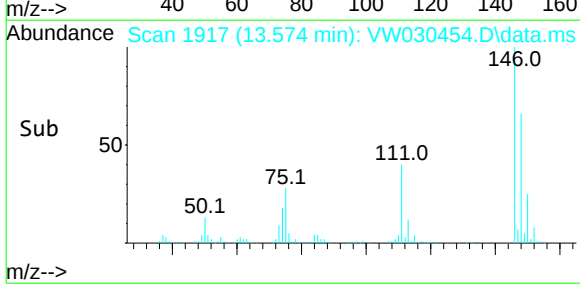
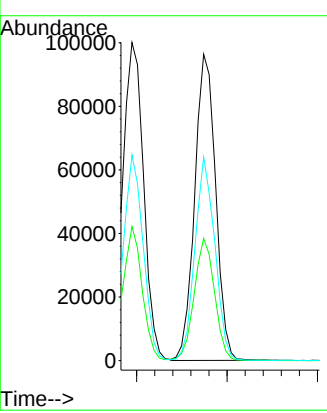
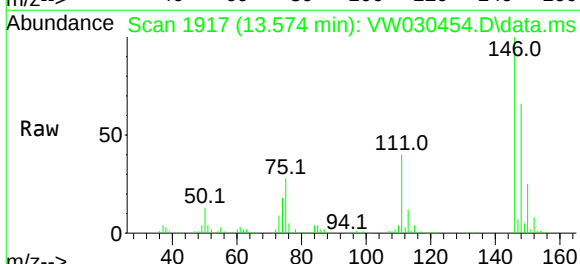
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E78

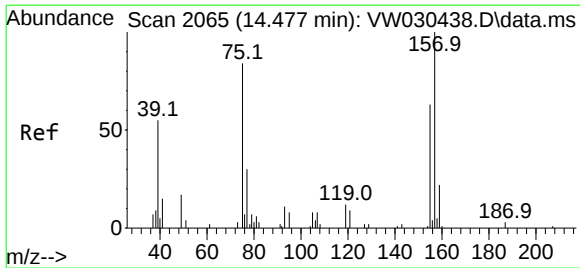
Tgt Ion:	146	Resp:	162934
Ion	Ratio	Lower	Upper
146	100		
111	42.1	33.2	61.6
148	64.6	50.4	93.6



#65
 1,4-Dichlorobenzene
 Concen: 41.151 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: VW030454.D
 Acq: 08 Oct 2024 18:11

Tgt Ion:	146	Resp:	155245
Ion	Ratio	Lower	Upper
146	100		
111	39.9	29.1	54.1
148	66.5	42.1	78.1

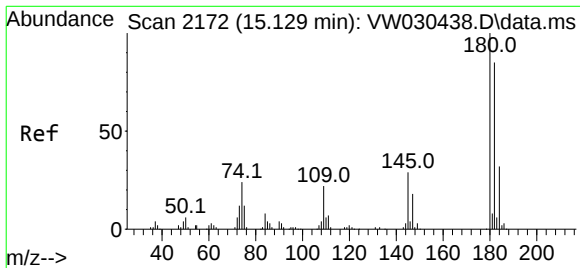
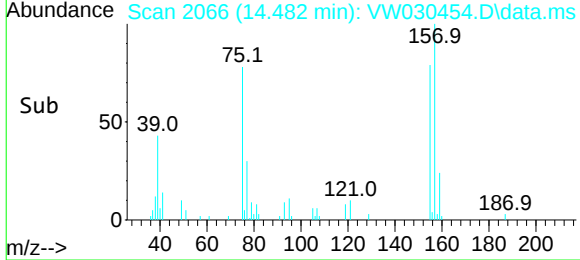
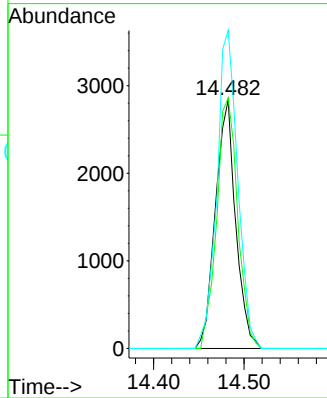
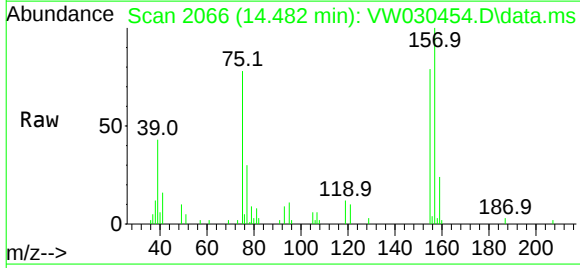




#68
1,2-Dibromo-3-chloropropane
Concen: 17.382 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Instrument :
MSVOA_W
ClientSampleId :
A4E78

Tgt Ion:	75	Resp:	4408
Ion	Ratio	Lower	Upper
75	100		
155	100.8	60.1	90.1#
157	128.0	74.3	111.5#



#70
1,2,4-trichlorobenzene
Concen: 26.642 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030454.D
Acq: 08 Oct 2024 18:11

Tgt Ion:	180	Resp:	56224
Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.2	115.8
145	28.9	25.3	37.9

