

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092424\
 Data File : VW030226.D
 Acq On : 24 Sep 2024 16:03
 Operator : SY/MD
 Sample : P4131-20DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E66DL

Quant Time: Sep 25 01:22:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 25 01:17:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	258032	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	238757	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	110349	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	69719	20.923	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.680%
7) Chloroethane-d5	2.899	69	57384	24.393	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.560%
11) 1,1-Dichloroethene-d2	4.021	65	28887	17.350	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.400%
21) 2-Butanone-d5	7.075	46	39656	49.148	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.300%
24) Chloroform-d	7.648	84	148103	20.875	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.480%
26) 1,2-Dichloroethane-d4	8.307	65	75966	21.322	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.280%
32) Benzene-d6	8.276	84	264061	19.198	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	9.276	67	79761	18.782	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.120%
41) Toluene-d8	10.325	98	243408	19.748	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	10.575	79	32624	19.175	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.680%
47) 2-Hexanone-d5	10.922	63	31810	48.951	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.900%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	70812	22.397	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	13.848	152	81947	21.876	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.520%
Target Compounds	Qvalue					
12) 1,1-Dichloroethene	4.045	96	66732	21.665	ug/L	95
13) Acetone	4.125	43	31296	33.807	ug/L	95
16) Methylene chloride	4.923	84	144926	38.090	ug/L	99
17) trans-1,2-Dichloroethene	5.435	96	52102	15.345	ug/L	98
18) Methyl tert-butyl Ether	5.435	73	114277	21.355	ug/L	97
19) 1,1-Dichloroethane	6.222	63	279898	40.596	ug/L	98
22) 2-Butanone	7.167	43	115735	105.617	ug/L	99
25) Chloroform	7.679	83	292519	41.772	ug/L	100
31) Carbon tetrachloride	8.069	117	41299	7.870	ug/L	97
33) Benzene	8.325	78	462582	31.689	ug/L	100
34) Trichloroethene	9.093	95	180898	45.907	ug/L	99
37) 1,2-Dichloropropane	9.368	63	65381	16.525	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	168559	29.122	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	145415	71.928	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	161258	33.119	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	66147	22.976	ug/L	95
50) 1,2-Dibromoethane	11.233	107	57847	21.791	ug/L	95
53) m,p-Xylene	11.831	106	152249	23.273	ug/L	86
54) o-Xylene	12.166	106	188006	30.540	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Wed Sep 25 01:17:29 2024
Response via : Initial Calibration

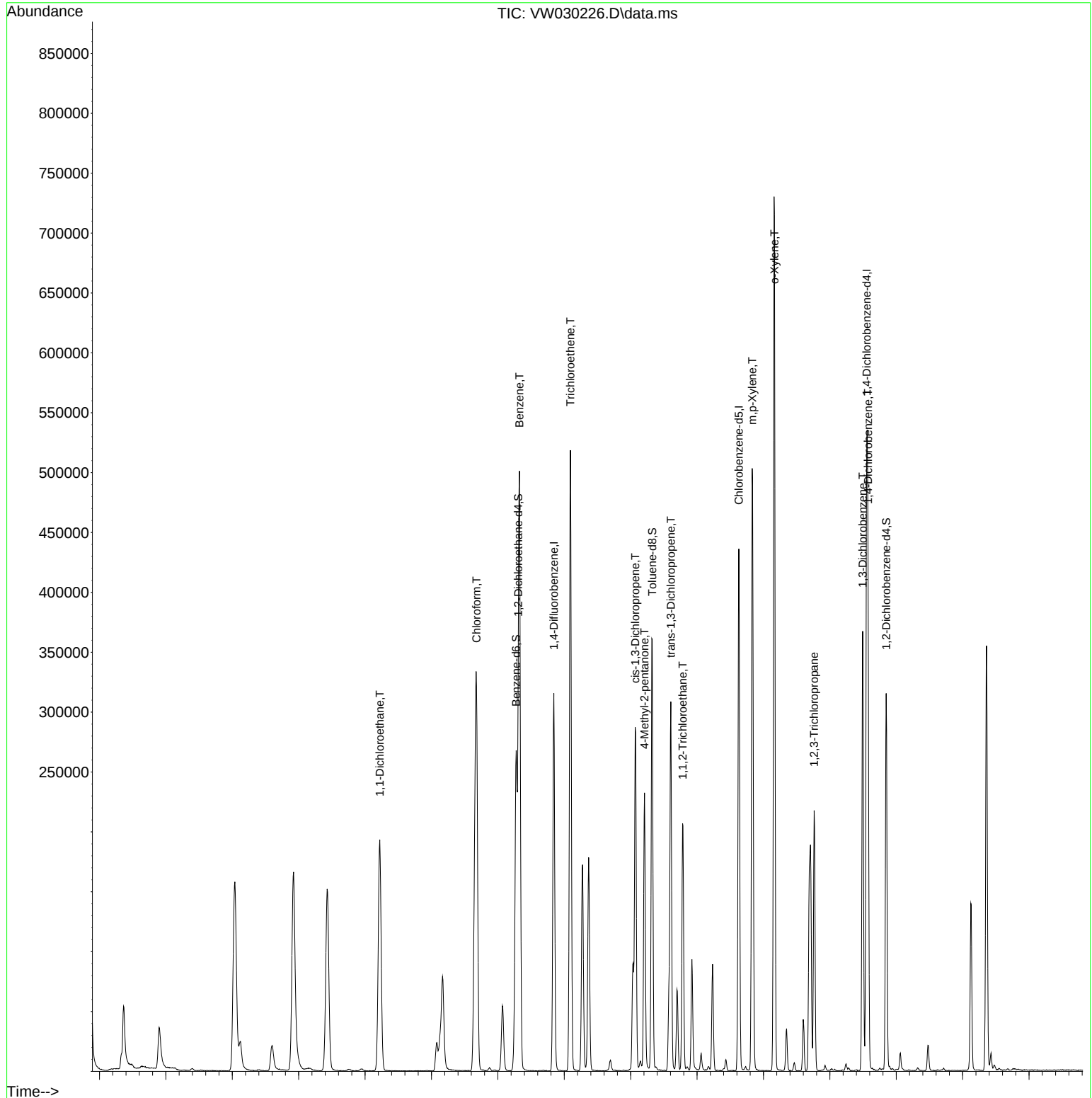
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	80027	23.288	ug/L	99
59) Bromoform	12.349	173	15227	8.719	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	88610	38.599	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	140549	19.519	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	149351	20.076	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	5736	11.457	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	43477	10.679	ug/L	98

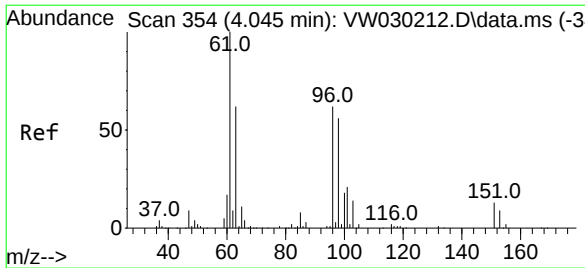
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 21.665 ug/L

RT: 4.045 min Scan# 35

Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Instrument :

MSVOA_W

ClientSampleId :

A4E66DL

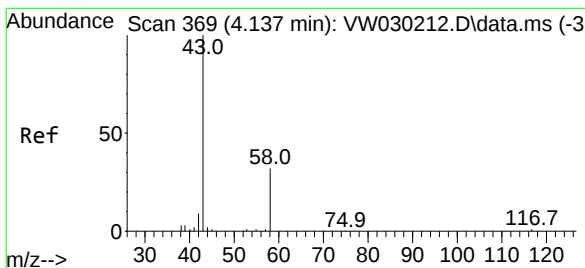
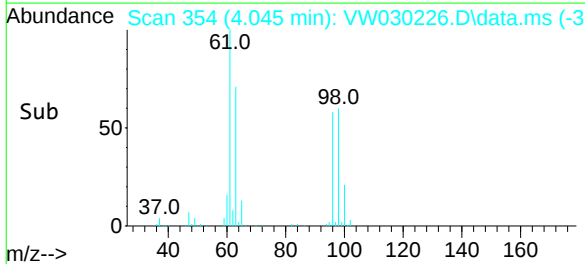
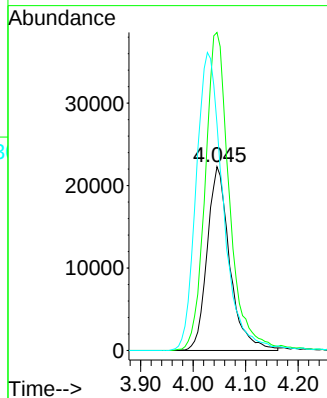
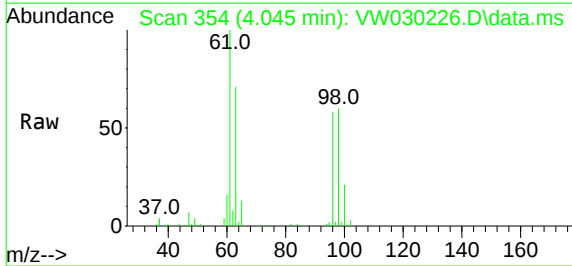
Tgt Ion: 96 Resp: 66732

Ion Ratio Lower Upper

96 100

61 173.1 124.0 230.4

63 123.3 93.3 173.3



#13

Acetone

Concen: 33.807 ug/L

RT: 4.125 min Scan# 367

Delta R.T. -0.012 min

Lab File: VW030226.D

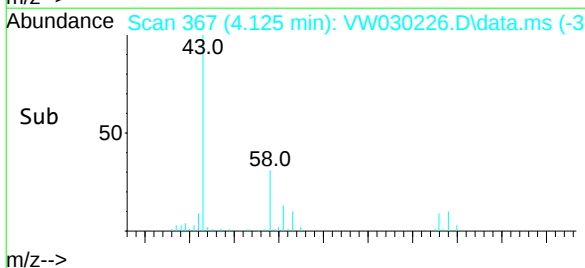
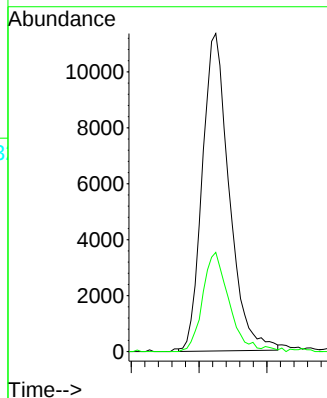
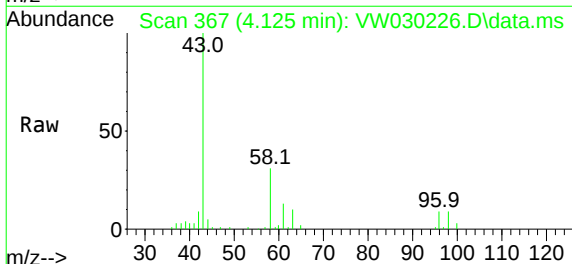
Acq: 24 Sep 2024 16:03

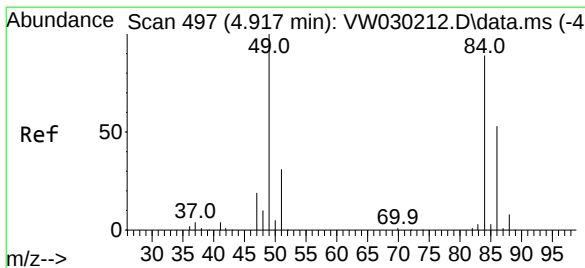
Tgt Ion: 43 Resp: 31296

Ion Ratio Lower Upper

43 100

58 29.5 0.0 65.0





#16

Methylene chloride

Concen: 38.090 ug/L

RT: 4.923 min Scan# 49

Delta R.T. 0.006 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Instrument :

MSVOA_W

ClientSampleId :

A4E66DL

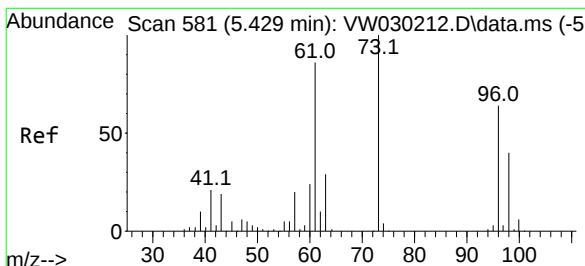
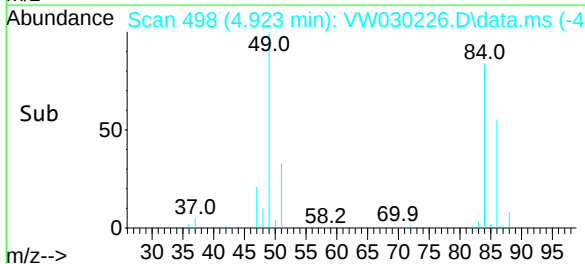
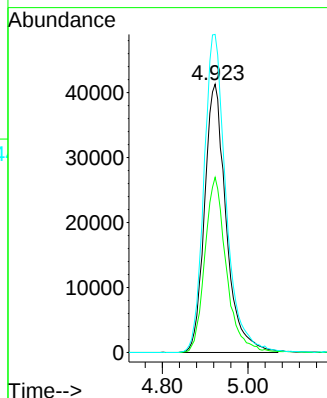
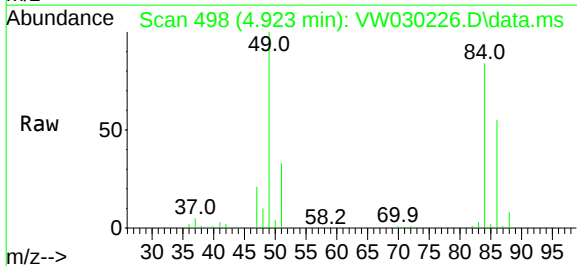
Tgt Ion: 84 Resp: 144926

Ion Ratio Lower Upper

84 100

86 65.3 44.6 82.8

49 118.5 83.8 155.6



#17

trans-1,2-Dichloroethene

Concen: 15.345 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

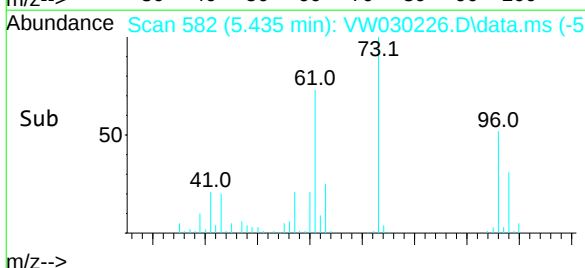
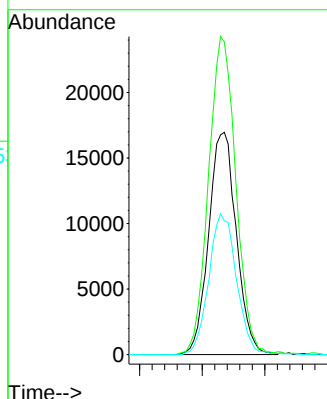
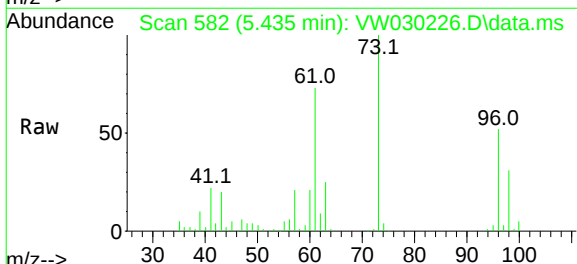
Tgt Ion: 96 Resp: 52102

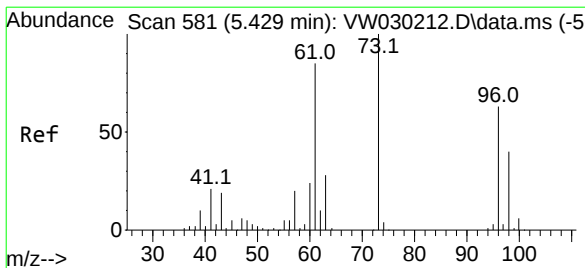
Ion Ratio Lower Upper

96 100

61 140.7 100.8 187.2

98 60.2 43.0 80.0





#18

Methyl tert-butyl Ether

Concen: 21.355 ug/L

RT: 5.435 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Instrument :

MSVOA_W

ClientSampleId :

A4E66DL

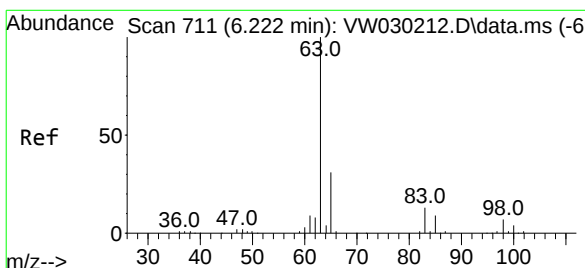
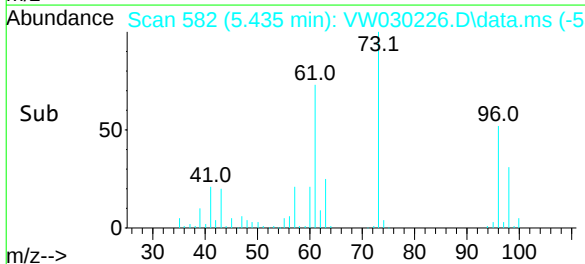
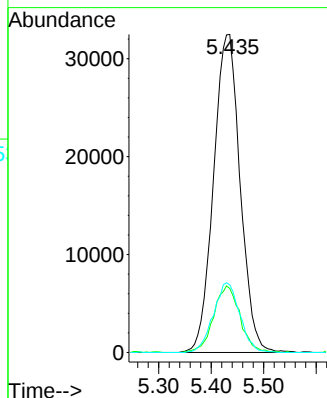
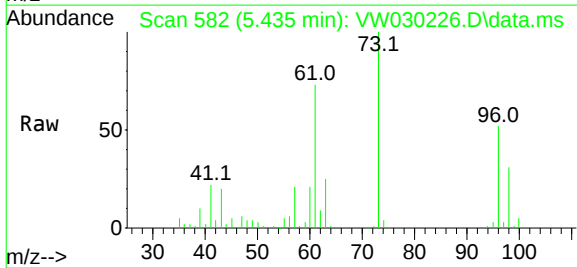
Tgt Ion: 73 Resp: 114277

Ion Ratio Lower Upper

73 100

43 20.9 15.7 23.5

57 21.8 18.8 28.2



#19

1,1-Dichloroethane

Concen: 40.596 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

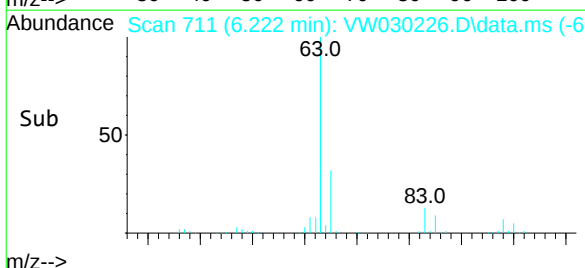
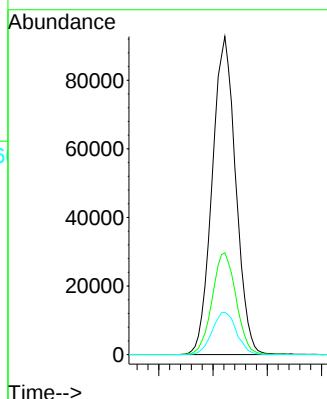
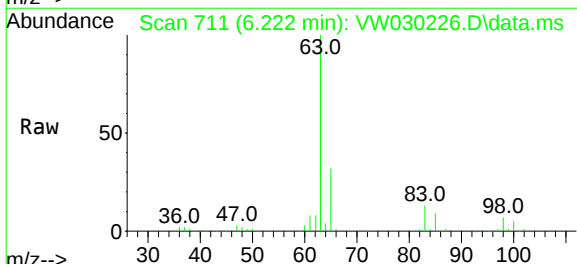
Tgt Ion: 63 Resp: 279898

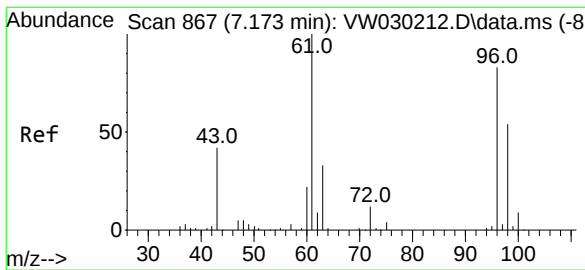
Ion Ratio Lower Upper

63 100

65 32.0 21.6 40.0

83 13.3 9.0 16.8





#22

2-Butanone

Concen: 105.617 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Instrument :

MSVOA_W

ClientSampleId :

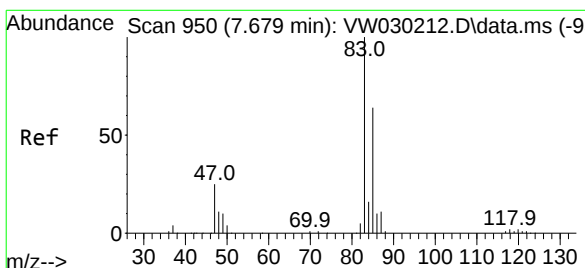
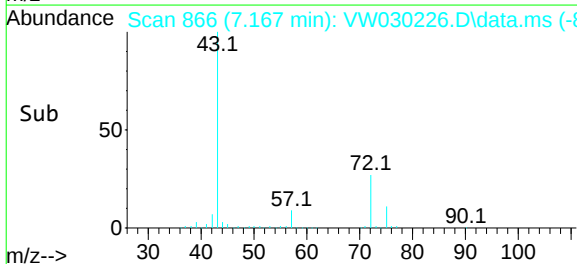
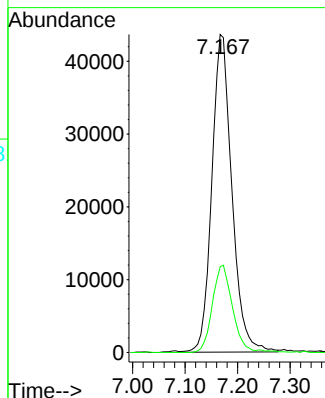
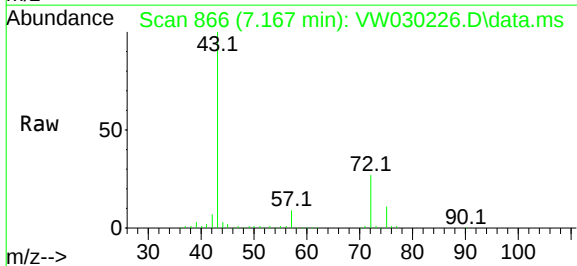
A4E66DL

Tgt Ion: 43 Resp: 115735

Ion Ratio Lower Upper

43 100

72 27.2 13.9 41.7



#25

Chloroform

Concen: 41.772 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

Lab File: VW030226.D

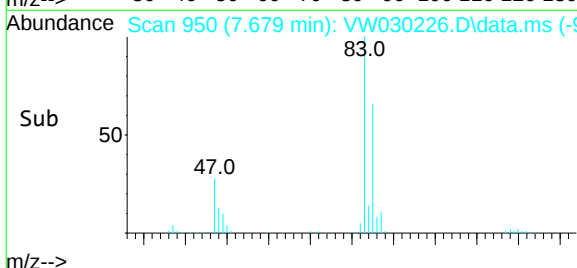
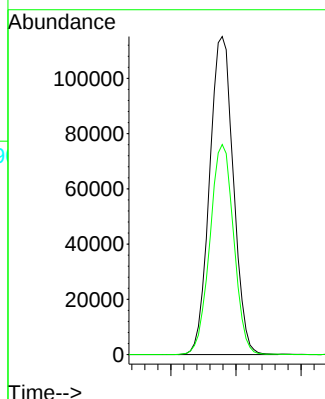
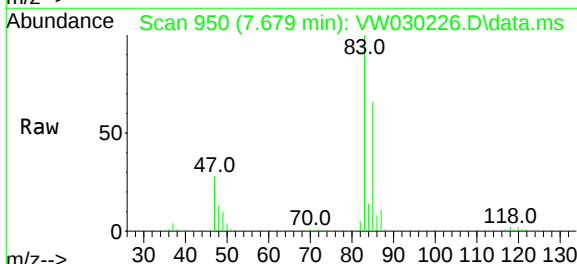
Acq: 24 Sep 2024 16:03

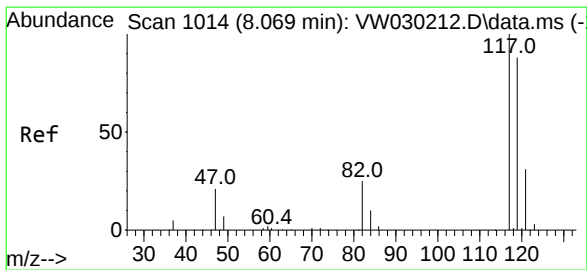
Tgt Ion: 83 Resp: 292519

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5





#31

Carbon tetrachloride

Concen: 7.870 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Instrument :

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ClientSampleId :

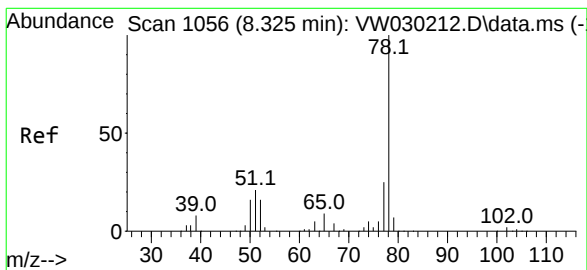
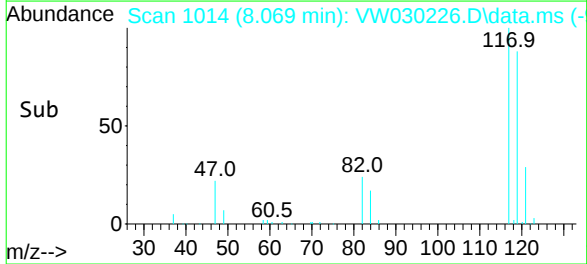
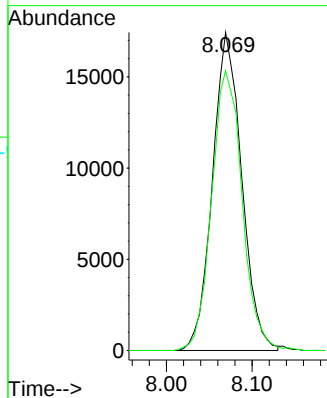
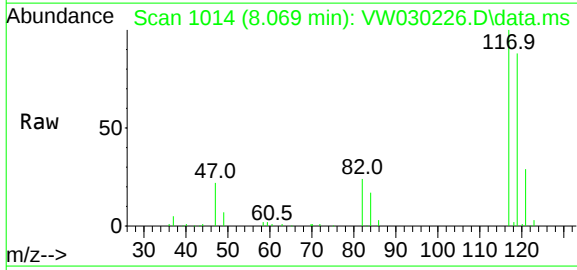
A4E66DL

Tgt Ion:117 Resp: 41299

Ion Ratio Lower Upper

117 100

119 92.0 76.2 114.4



#33

Benzene

Concen: 31.689 ug/L

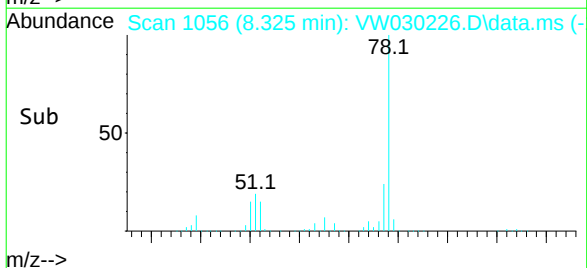
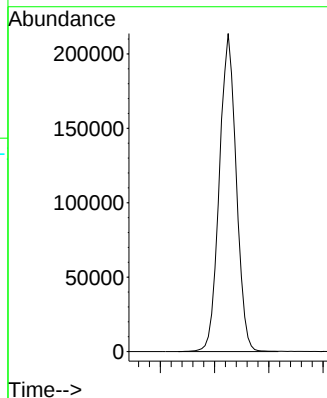
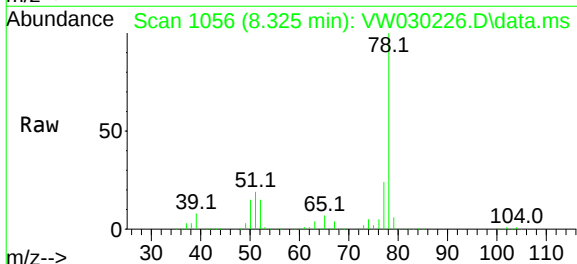
RT: 8.325 min Scan# 1056

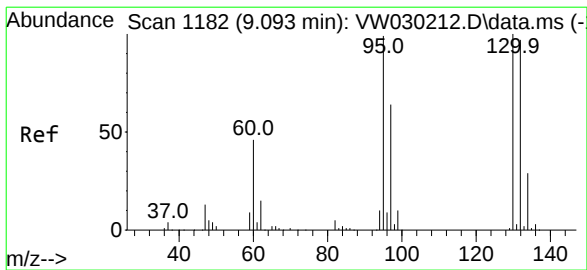
Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Tgt Ion: 78 Resp: 462582





#34

Trichloroethene

Concen: 45.907 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030226.D

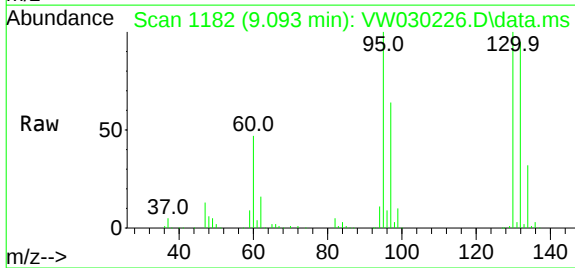
Acq: 24 Sep 2024 16:03

Instrument :

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ClientSampleId :

A4E66DL



Tgt Ion: 95 Resp: 180898

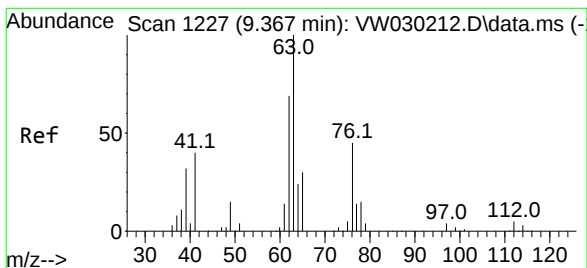
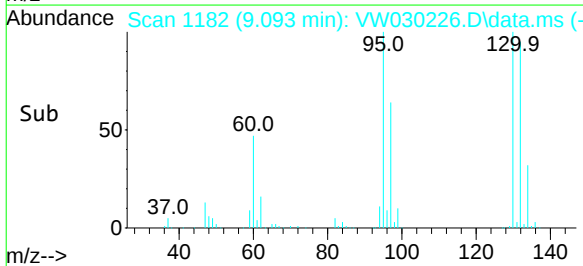
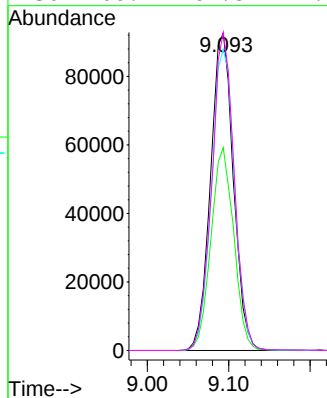
Ion Ratio Lower Upper

95 100

97 63.9 45.2 84.0

132 94.9 64.8 120.3

130 100.2 69.8 129.6



#37

1,2-Dichloropropane

Concen: 16.525 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030226.D

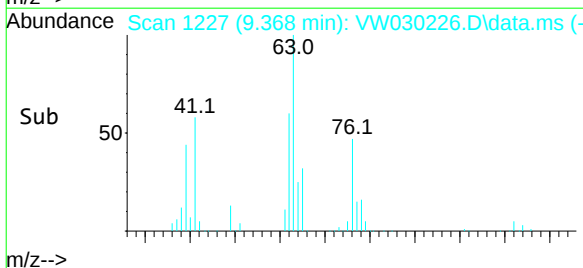
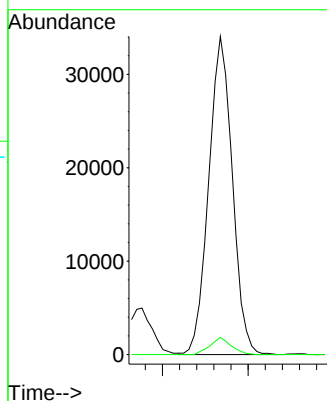
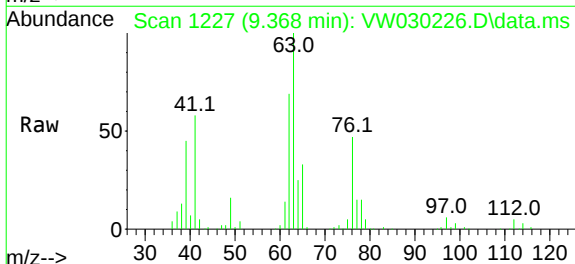
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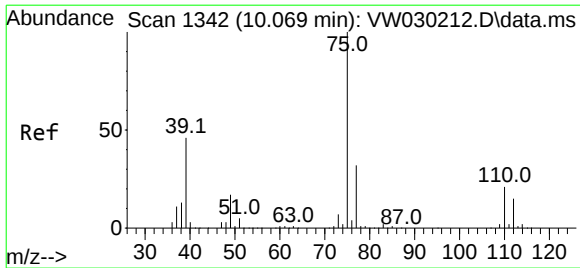
Tgt Ion: 63 Resp: 65381

Ion Ratio Lower Upper

63 100

112 4.8 3.5 5.3

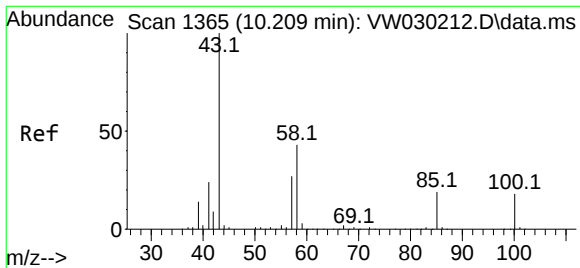
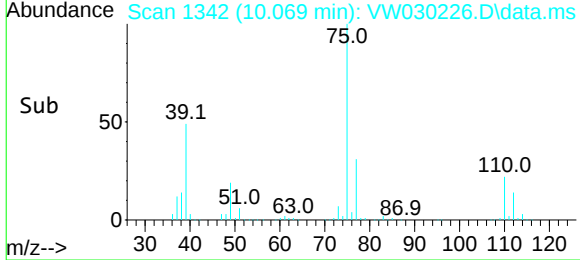
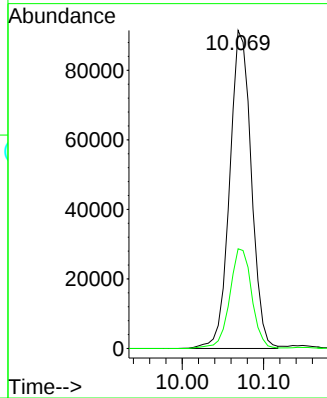
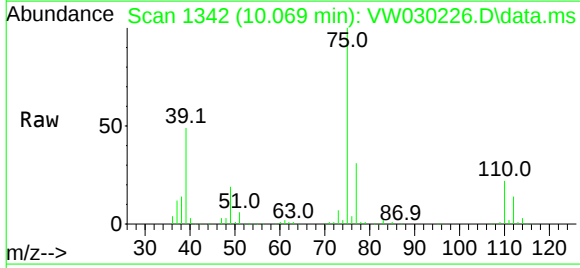




#39
cis-1,3-Dichloropropene
Concen: 29.122 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

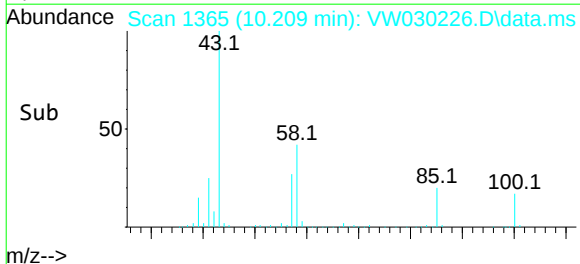
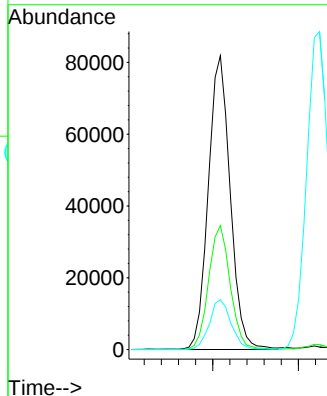
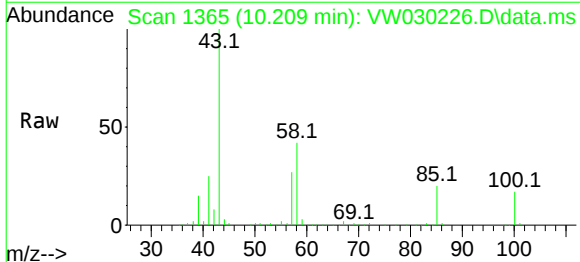
Instrument :
MSVOA_W
ClientSampleId :
A4E66DL

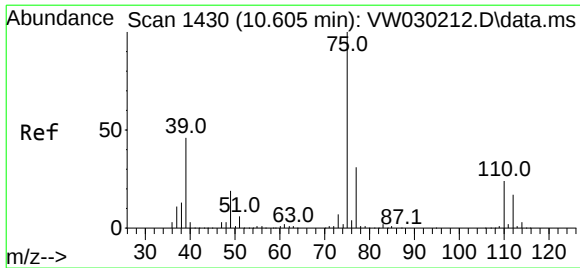
Tgt Ion: 75 Resp: 168559
Ion Ratio Lower Upper
75 100
77 31.4 20.7 38.5



#40
4-Methyl-2-pentanone
Concen: 71.928 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

Tgt Ion: 43 Resp: 145415
Ion Ratio Lower Upper
43 100
58 41.7 32.7 49.1
100 16.9 12.7 19.1

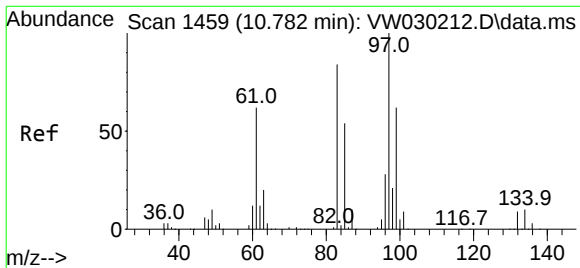
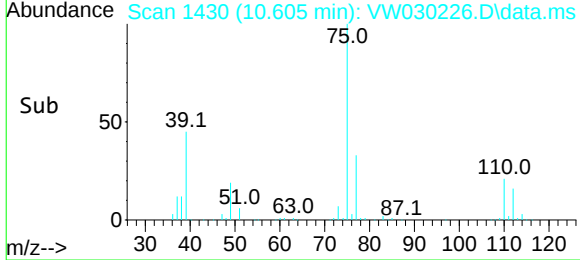
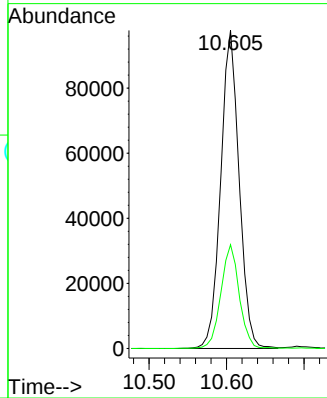
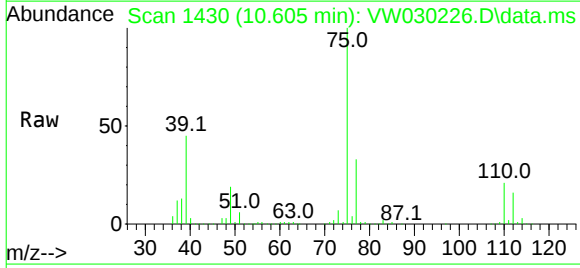




#44
trans-1,3-Dichloropropene
Concen: 33.119 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

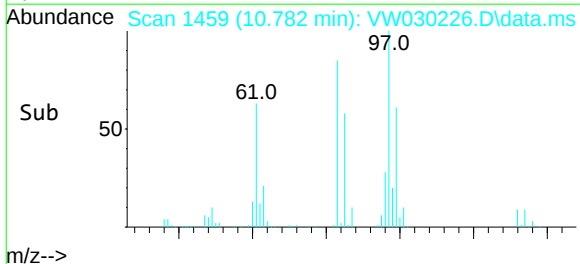
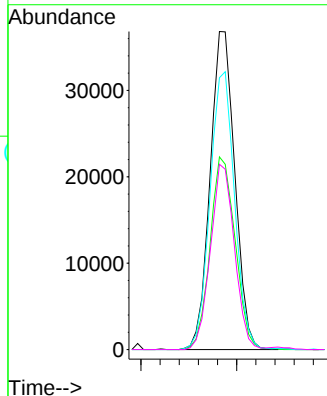
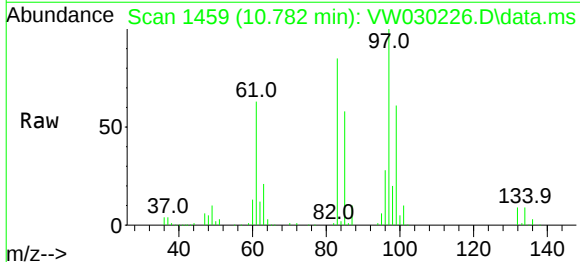
Instrument :
MSVOA_W
ClientSampleId :
A4E66DL

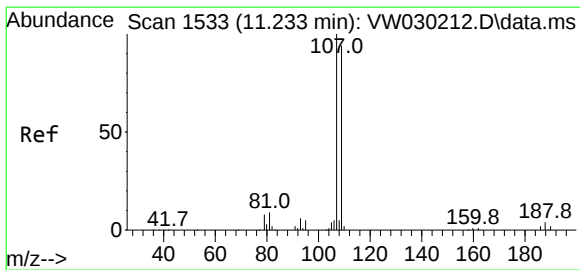
Tgt Ion: 75 Resp: 161258
Ion Ratio Lower Upper
75 100
77 32.6 21.2 39.4



#45
1,1,2-Trichloroethane
Concen: 22.976 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

Tgt Ion: 97 Resp: 66147
Ion Ratio Lower Upper
97 100
99 60.6 45.6 84.8
83 85.5 64.0 119.0
85 58.3 38.9 72.3

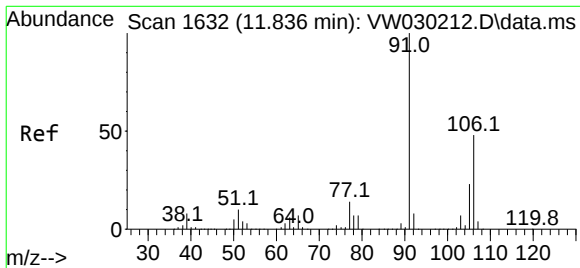
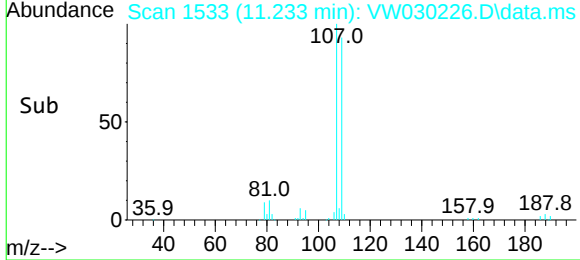
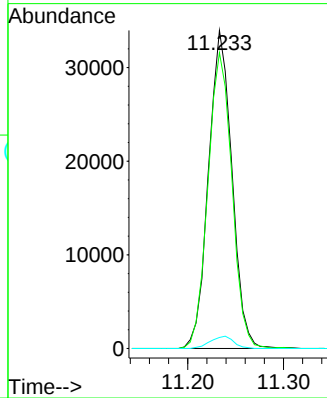
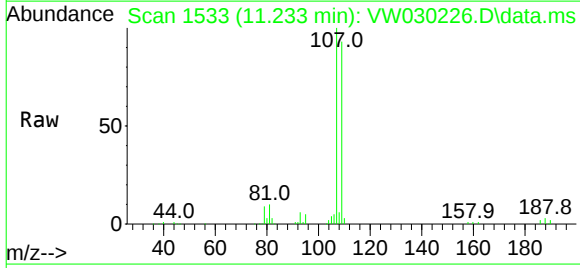




#50
1,2-Dibromoethane
Concen: 21.791 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

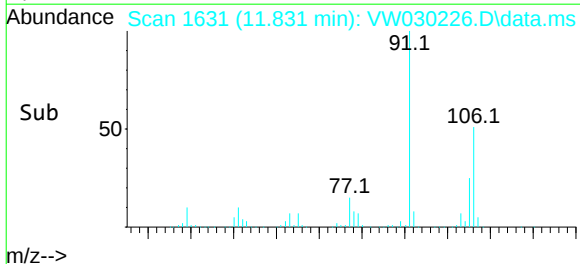
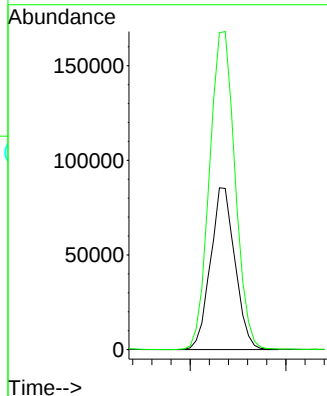
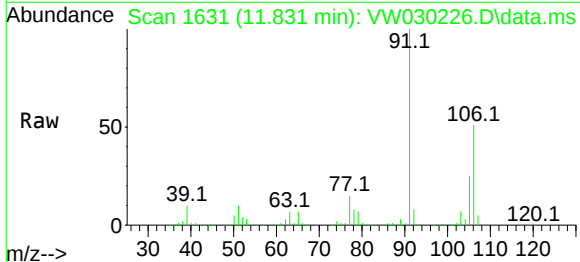
Instrument :
MSVOA_W
ClientSampleId :
A4E66DL

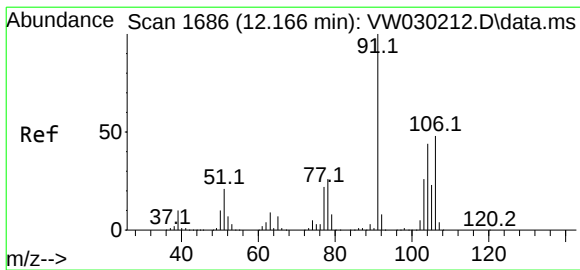
Tgt Ion:107 Resp: 57847
Ion Ratio Lower Upper
107 100
109 93.0 68.7 127.7
188 3.5 2.6 4.0



#53
m,p-Xylene
Concen: 23.273 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

Tgt Ion:106 Resp: 152249
Ion Ratio Lower Upper
106 100
91 195.8 152.9 283.9





#54

o-Xylene

Concen: 30.540 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

Instrument :

MSVOA_W

ClientSampleId :

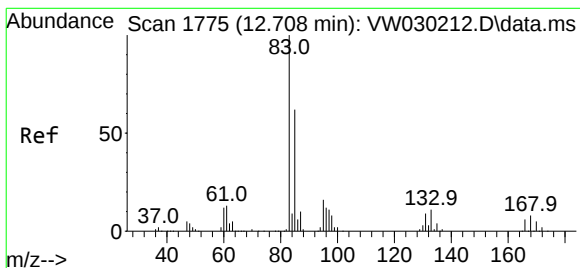
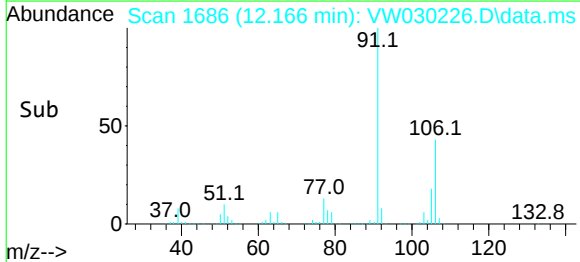
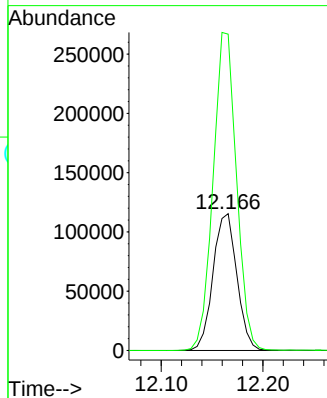
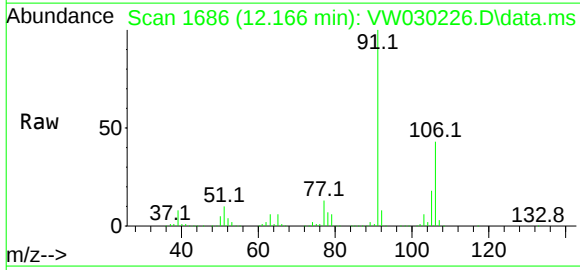
A4E66DL

Tgt Ion:106 Resp: 188006

Ion Ratio Lower Upper

106 100

91 231.2 158.1 293.7



#57

1,1,2,2-Tetrachloroethane

Concen: 23.288 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

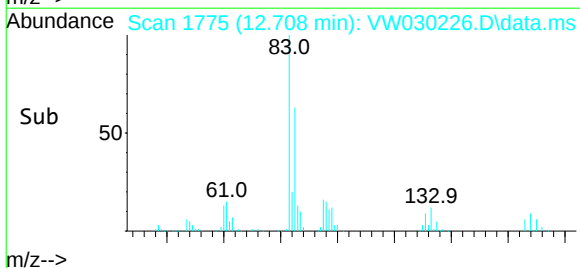
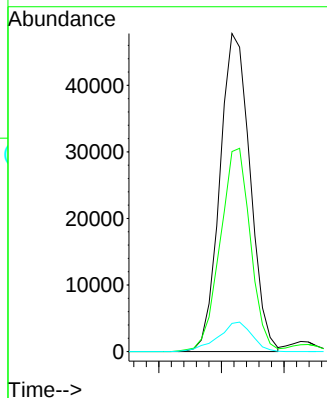
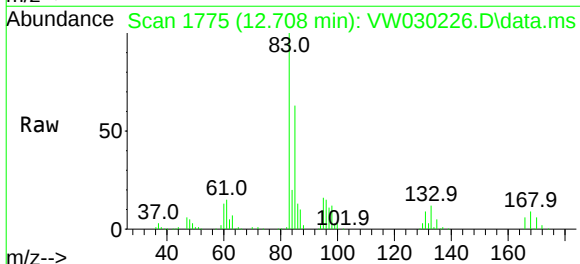
Tgt Ion: 83 Resp: 80027

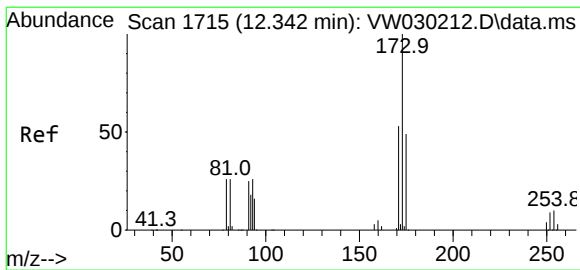
Ion Ratio Lower Upper

83 100

85 62.9 44.5 82.7

131 8.9 7.4 11.2





#59

Bromoform

Concen: 8.719 ug/L

RT: 12.349 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

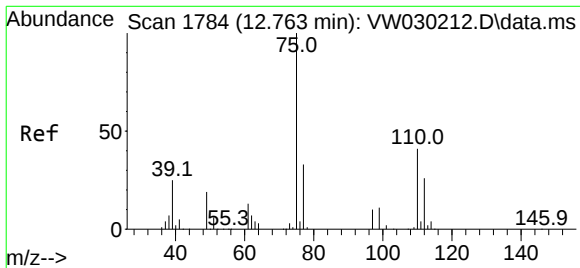
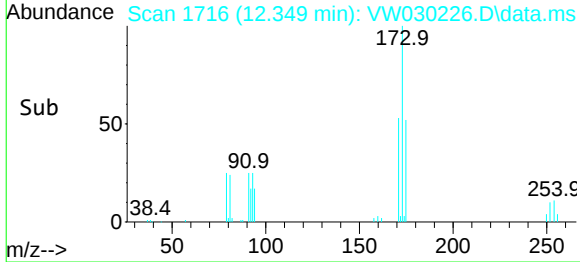
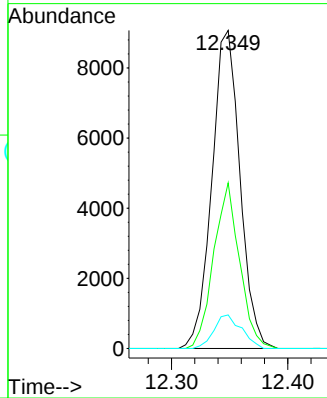
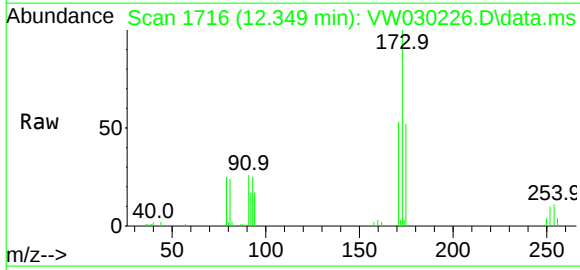
Instrument :

MSVOA_W

ClientSampleId :

A4E66DL

Tgt Ion:	173	Resp:	15227
Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.6	57.8
254	10.4	7.7	11.5



#61

1,2,3-Trichloropropane

Concen: 38.599 ug/L

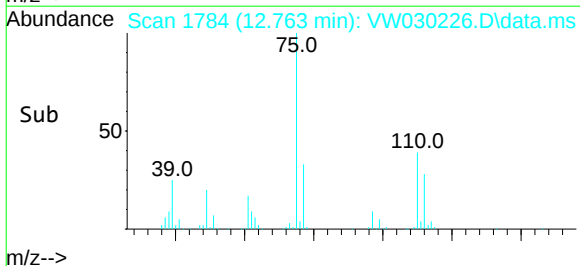
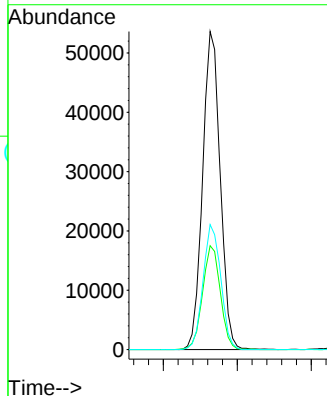
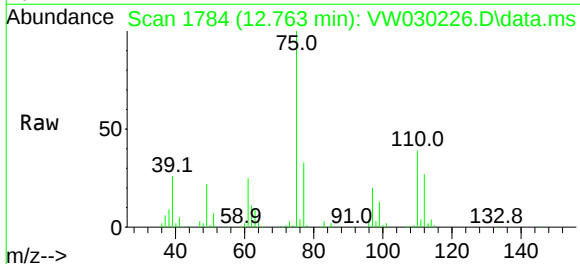
RT: 12.763 min Scan# 1784

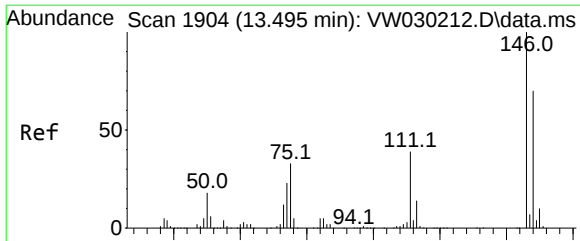
Delta R.T. 0.000 min

Lab File: VW030226.D

Acq: 24 Sep 2024 16:03

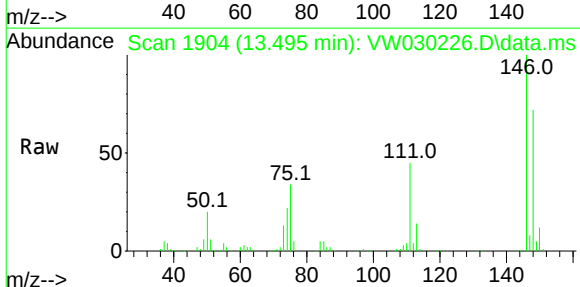
Tgt Ion:	75	Resp:	88610
Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.2	39.2
110	39.6	29.7	44.5





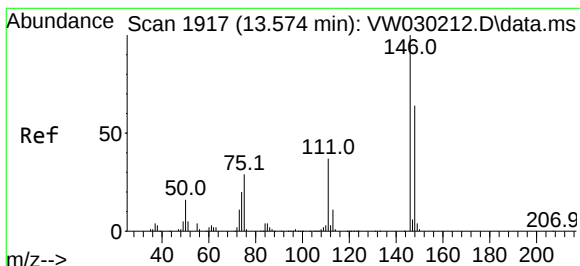
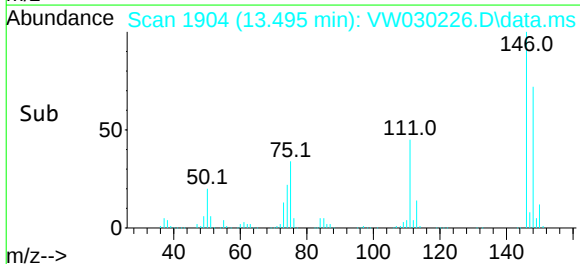
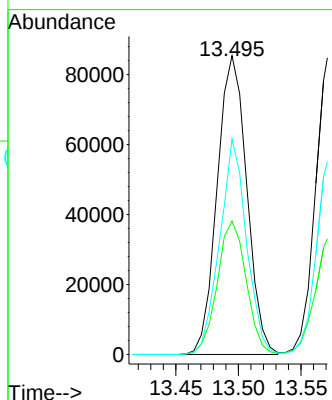
#64
 1,3-Dichlorobenzene
 Concen: 19.519 ug/L
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW030226.D
 Acq: 24 Sep 2024 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E66DL



Tgt Ion:146 Resp: 140549

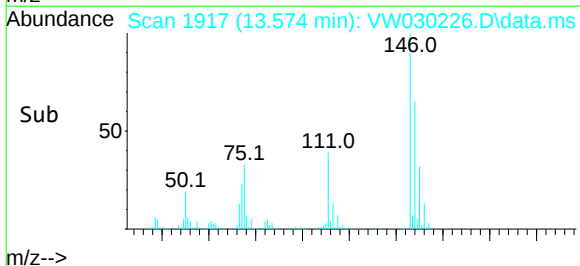
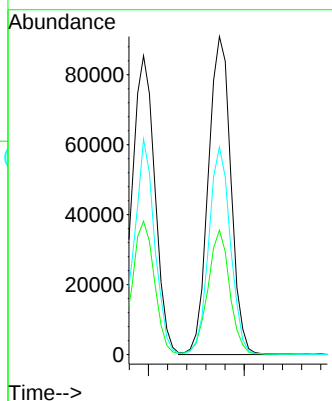
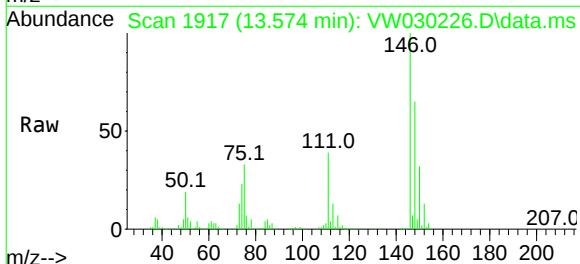
Ion	Ratio	Lower	Upper
146	100		
111	44.6	31.9	59.3
148	72.1	47.7	88.5

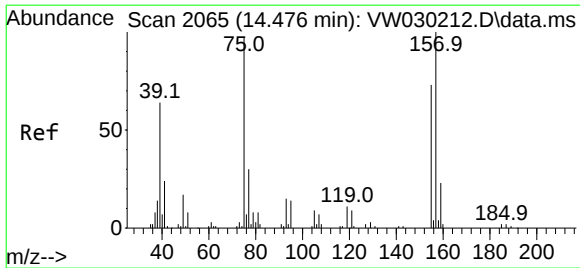


#65
 1,4-Dichlorobenzene
 Concen: 20.076 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. 0.000 min
 Lab File: VW030226.D
 Acq: 24 Sep 2024 16:03

Tgt Ion:146 Resp: 149351

Ion	Ratio	Lower	Upper
146	100		
111	39.1	29.5	54.7
148	65.3	44.4	82.5

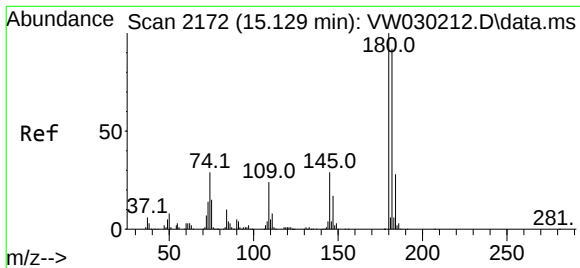
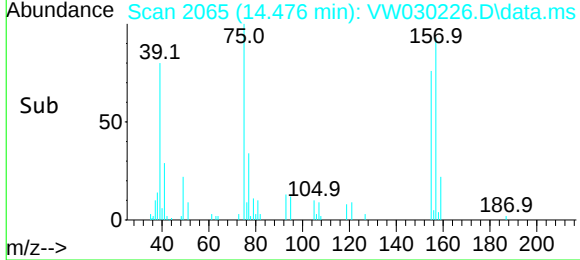
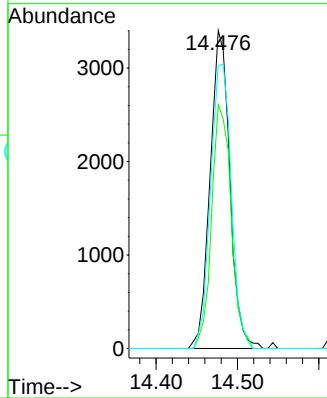
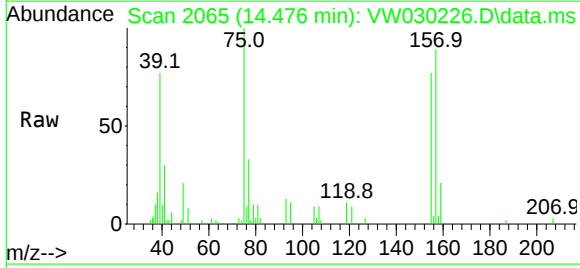




#68
1,2-Dibromo-3-chloropropane
Concen: 11.457 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

Instrument :
MSVOA_W
ClientSampleId :
A4E66DL

Tgt Ion:	75	Resp:	5736
Ion	Ratio	Lower	Upper
75	100		
155	76.7	60.5	90.7
157	88.9	66.9	100.3



#70
1,2,4-trichlorobenzene
Concen: 10.679 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW030226.D
Acq: 24 Sep 2024 16:03

Tgt Ion:	180	Resp:	43477
Ion	Ratio	Lower	Upper
180	100		
182	93.4	73.4	110.2
145	31.6	24.0	36.0

