

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
 Data File : VW030446.D
 Acq On : 08 Oct 2024 15:00
 Operator : SY/MD
 Sample : P4329-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E78DL

Quant Time: Oct 09 01:19:03 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	124985	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	115465	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	63208	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	17484	17.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.600%
7) Chloroethane-d5	2.899	69	12389	17.434	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.720%
11) 1,1-Dichloroethene-d2	4.021	65	12327	17.291	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.160%
21) 2-Butanone-d5	7.081	46	12511	31.854	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.700%
24) Chloroform-d	7.648	84	67510	20.106	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.440%
26) 1,2-Dichloroethane-d4	8.307	65	33454	19.088	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.360%
32) Benzene-d6	8.276	84	120453	18.613	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.440%
36) 1,2-Dichloropropane-d6	9.276	67	33551	17.237	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	68.960%#
41) Toluene-d8	10.325	98	118951	20.045	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	10.575	79	14717	18.178	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.720%
47) 2-Hexanone-d5	10.922	63	12041	37.463	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.920%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	29250	20.111	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.440%
66) 1,2-Dichlorobenzene-d4	13.849	152	46473	22.145	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.600%

Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.045	96	30141	20.757	ug/L	87
13) Acetone	4.125	43	10086	24.208	ug/L	99
16) Methylene chloride	4.923	84	64032	33.286	ug/L	91
17) trans-1,2-Dichloroethene	5.435	96	24214	14.365	ug/L	85
18) Methyl tert-butyl Ether	5.429	73	49321	18.396	ug/L #	89
19) 1,1-Dichloroethane	6.222	63	113888	35.478	ug/L	94
22) 2-Butanone	7.167	43	36591	68.701	ug/L	89
25) Chloroform	7.679	83	135531	40.710	ug/L	99
31) Carbon tetrachloride	8.075	117	21699	9.077	ug/L	99
33) Benzene	8.325	78	206520	29.365	ug/L	100
34) Trichloroethene	9.093	95	85057	45.468	ug/L	91
37) 1,2-Dichloropropane	9.368	63	27030	14.567	ug/L #	97
39) cis-1,3-Dichloropropene	10.075	75	76878	27.020	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	47745	50.026	ug/L #	91
44) trans-1,3-Dichloropropene	10.605	75	73012	30.969	ug/L	93
45) 1,1,2-Trichloroethane	10.788	97	29105	22.258	ug/L	95
50) 1,2-Dibromoethane	11.233	107	27250	22.024	ug/L	99
53) m,p-Xylene	11.837	106	78056	24.515	ug/L	95
54) o-Xylene	12.166	106	96487	31.838	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Wed Oct 09 01:13:46 2024
Response via : Initial Calibration

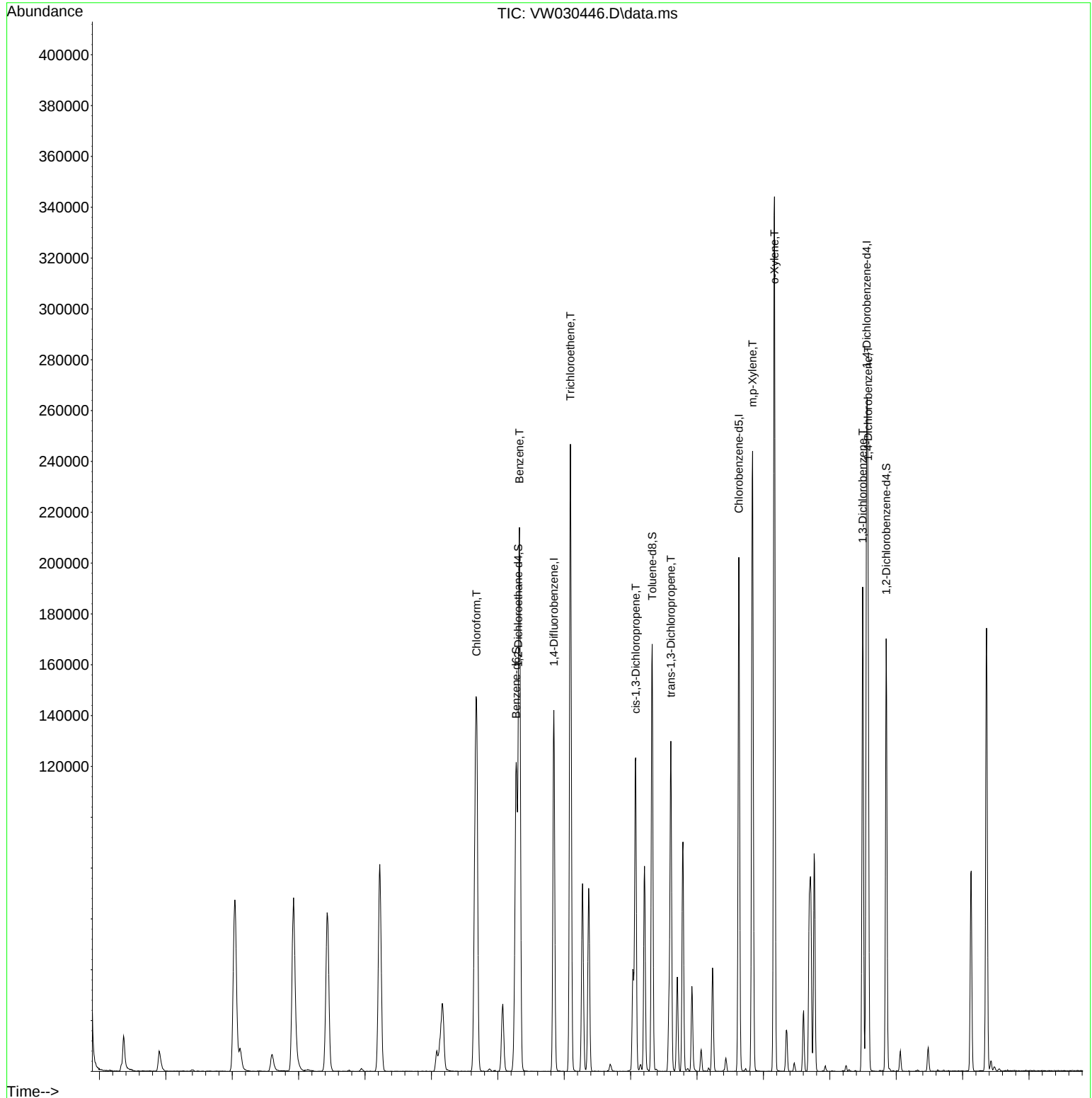
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.715	83	32290	21.084	ug/L #	94
59) Bromoform	12.343	173	8380	9.151	ug/L #	96
61) 1,2,3-Trichloropropane	12.763	75	36857	30.673	ug/L	95
64) 1,3-Dichlorobenzene	13.495	146	77502	19.330	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	77419	18.902	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.483	75	2609	9.476	ug/L	85
70) 1,2,4-trichlorobenzene	15.129	180	27772	12.122	ug/L	98

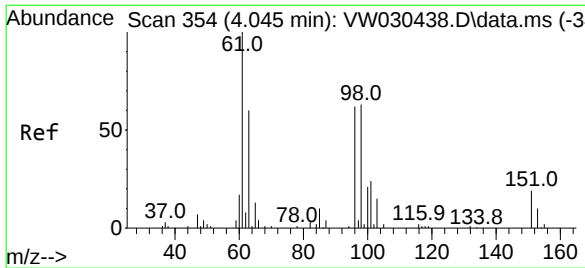
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 20.757 ug/L

RT: 4.045 min Scan# 35

Delta R.T. -0.000 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

Instrument :

MSVOA_W

ClientSampleId :

A4E78DL

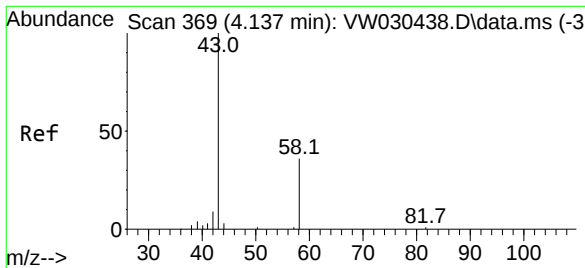
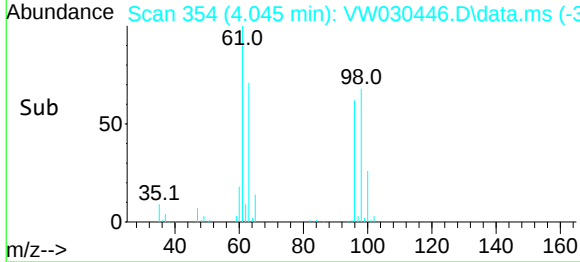
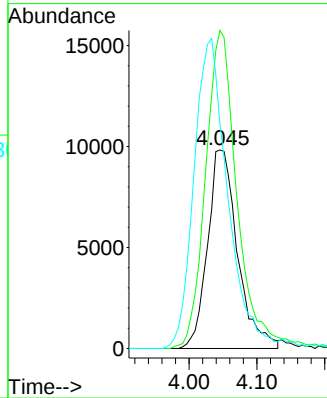
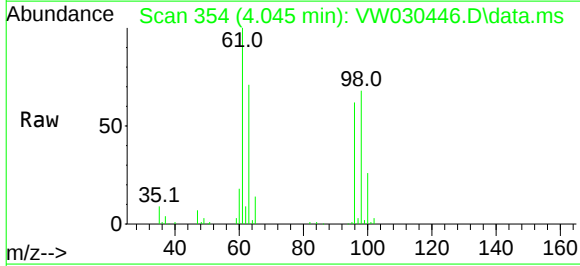
Tgt Ion: 96 Resp: 30141

Ion Ratio Lower Upper

96 100

61 160.3 120.1 223.1

63 113.3 94.8 176.2



#13

Acetone

Concen: 24.208 ug/L

RT: 4.125 min Scan# 367

Delta R.T. -0.012 min

Lab File: VW030446.D

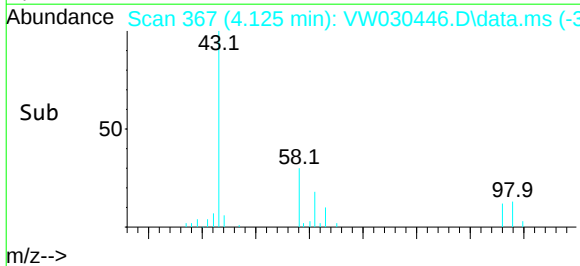
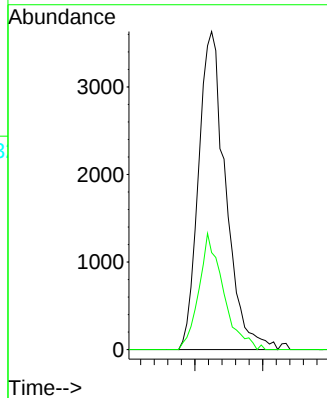
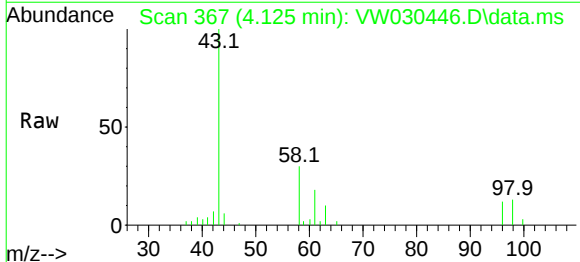
Acq: 08 Oct 2024 15:00

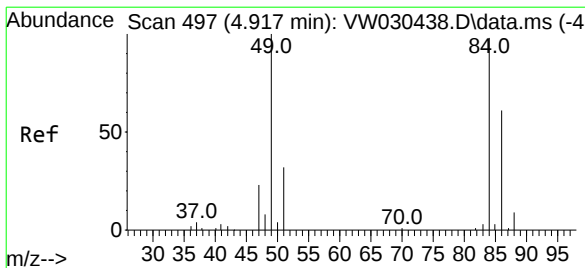
Tgt Ion: 43 Resp: 10086

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.0





#16

Methylene chloride

Concen: 33.286 ug/L

RT: 4.923 min Scan# 49

Delta R.T. 0.006 min

Lab File: VW030446.D

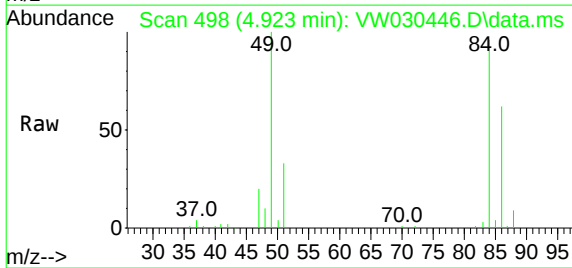
Acq: 08 Oct 2024 15:00

Instrument :

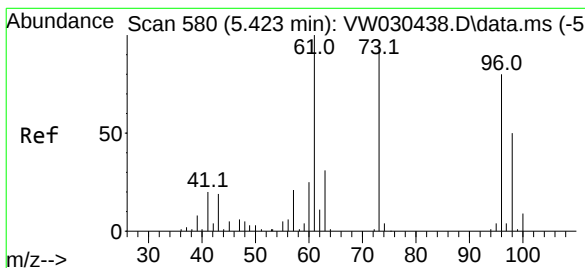
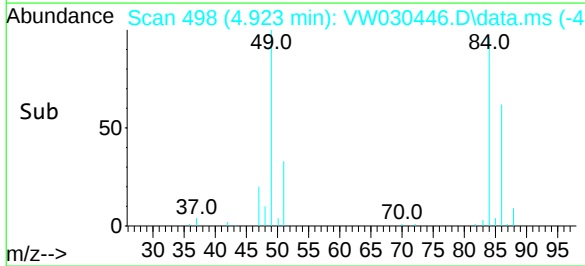
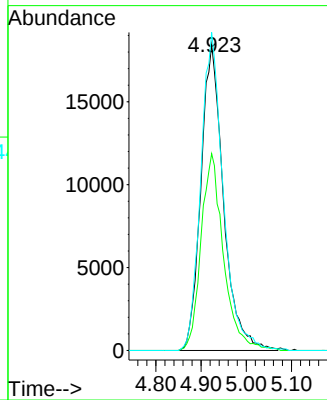
MSVOA_W

ClientSampleId :

A4E78DL



Tgt Ion:	84	Resp:	64032
Ion	Ratio	Lower	Upper
84	100		
86	64.3	44.8	83.2
49	103.9	83.6	155.2



#17

trans-1,2-Dichloroethene

Concen: 14.365 ug/L

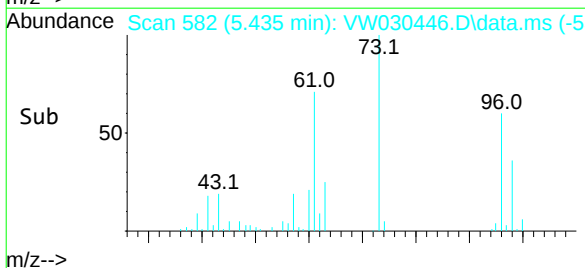
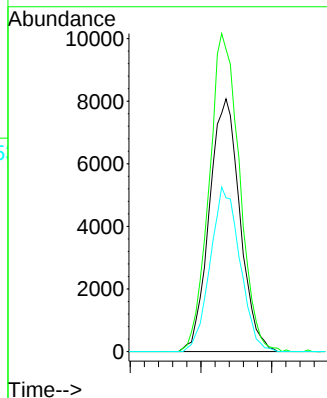
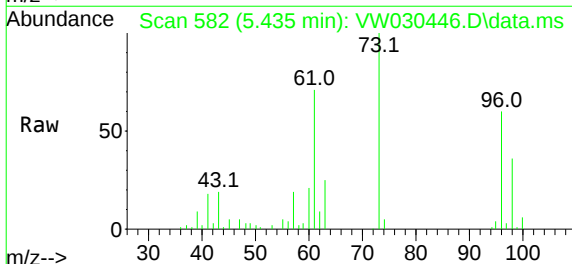
RT: 5.435 min Scan# 582

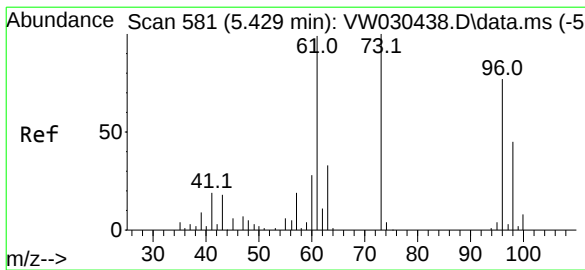
Delta R.T. 0.012 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

Tgt Ion:	96	Resp:	24214
Ion	Ratio	Lower	Upper
96	100		
61	119.7	100.3	186.3
98	60.8	46.3	86.1





#18

Methyl tert-butyl Ether

Concen: 18.396 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

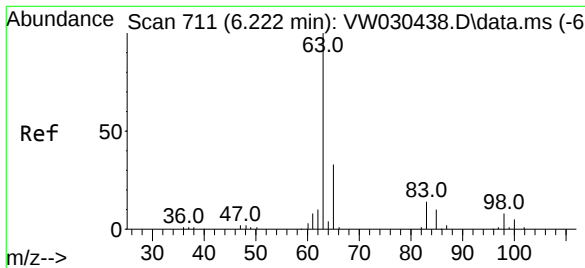
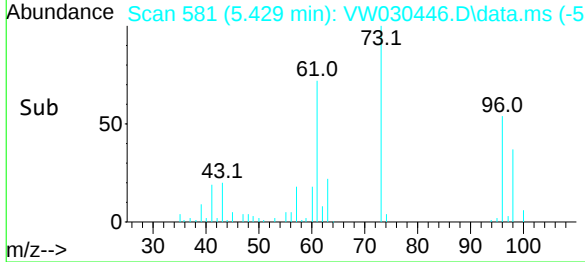
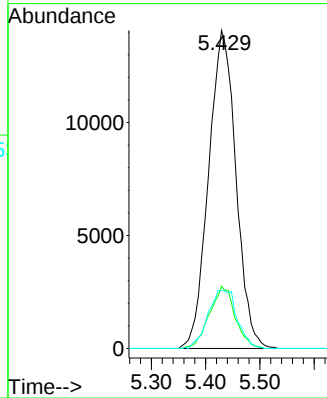
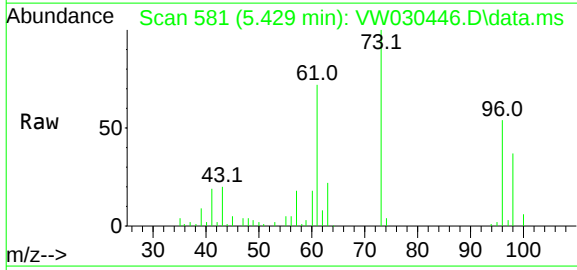
Instrument :

MSVOA_W

ClientSampleId :

A4E78DL

Tgt Ion:	73	Resp:	49321
Ion	Ratio	Lower	Upper
73	100		
43	18.3	15.9	23.9
57	13.7	17.6	26.4



#19

1,1-Dichloroethane

Concen: 35.478 ug/L

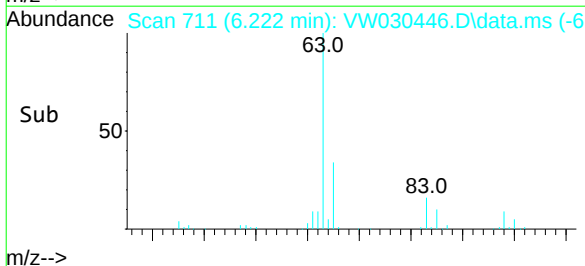
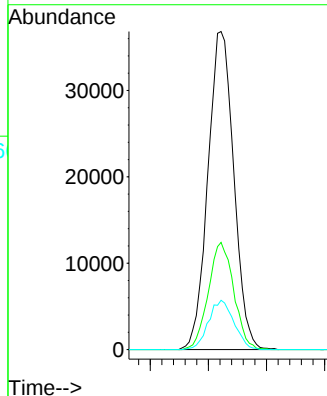
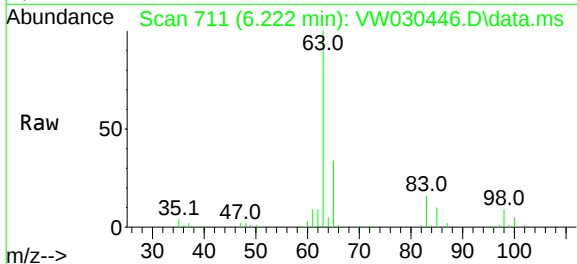
RT: 6.222 min Scan# 711

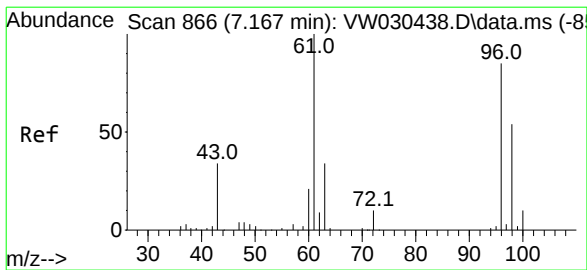
Delta R.T. -0.000 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

Tgt Ion:	63	Resp:	113888
Ion	Ratio	Lower	Upper
63	100		
65	33.7	20.7	38.5
83	15.5	9.9	18.3





#22

2-Butanone

Concen: 68.701 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

Instrument :

MSVOA_W

ClientSampleId :

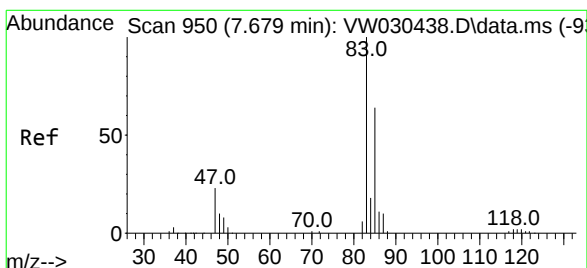
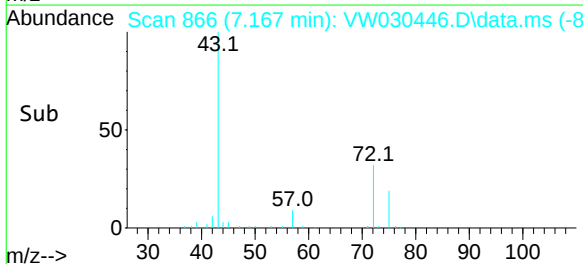
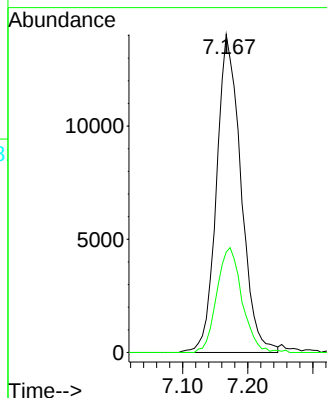
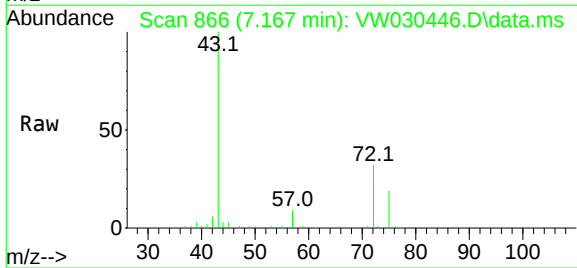
A4E78DL

Tgt Ion: 43 Resp: 36591

Ion Ratio Lower Upper

43 100

72 33.8 14.1 42.3



#25

Chloroform

Concen: 40.710 ug/L

RT: 7.679 min Scan# 950

Delta R.T. -0.000 min

Lab File: VW030446.D

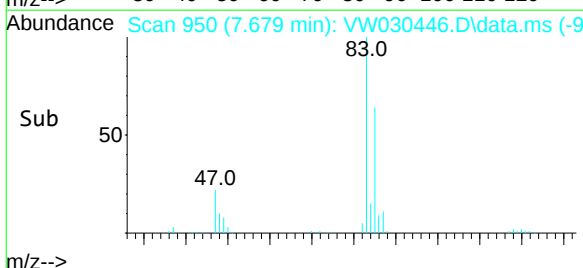
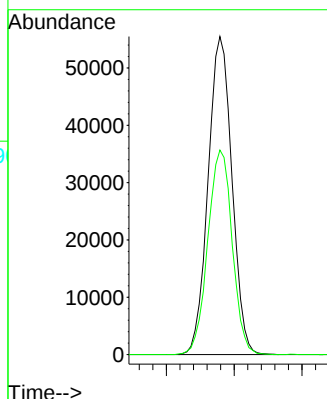
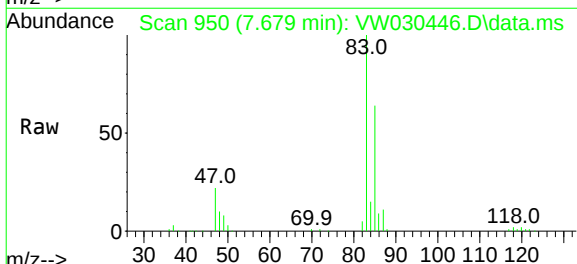
Acq: 08 Oct 2024 15:00

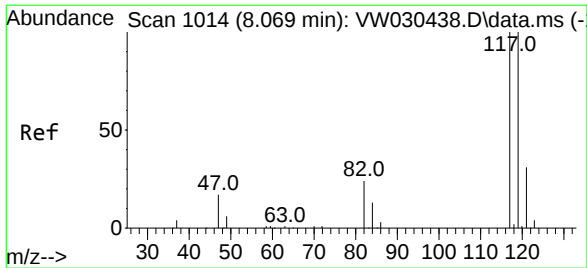
Tgt Ion: 83 Resp: 135531

Ion Ratio Lower Upper

83 100

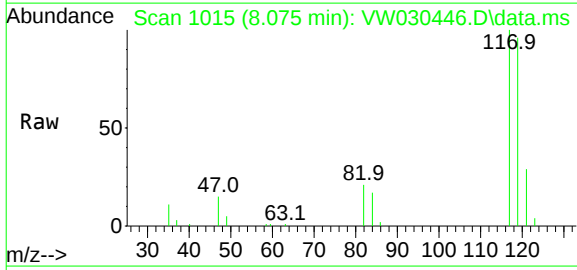
85 64.3 45.8 85.0



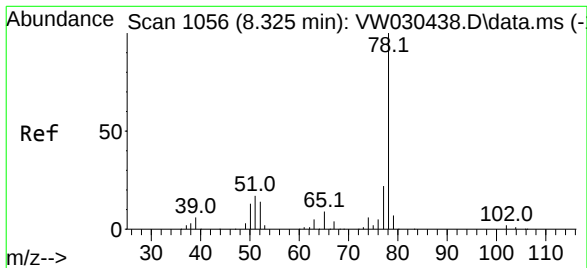
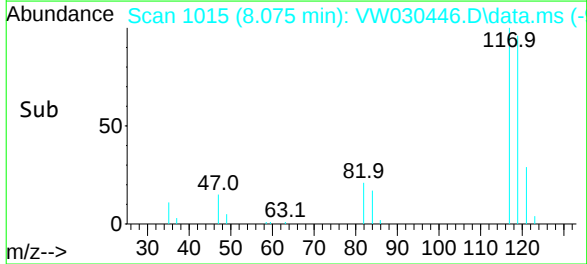
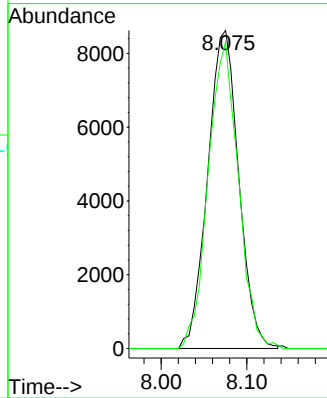


#31
Carbon tetrachloride
Concen: 9.077 ug/L
RT: 8.075 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Instrument :
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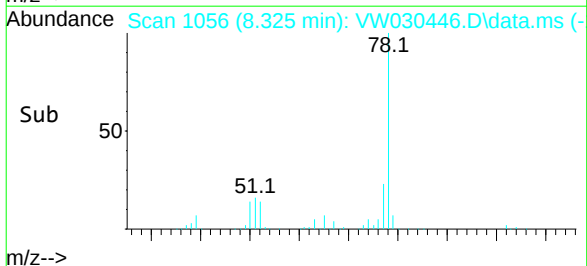
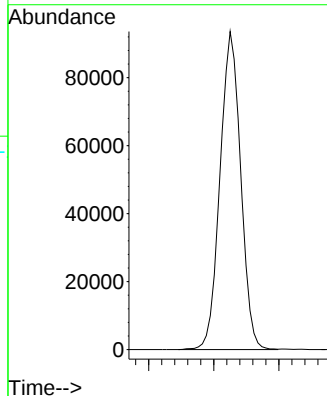
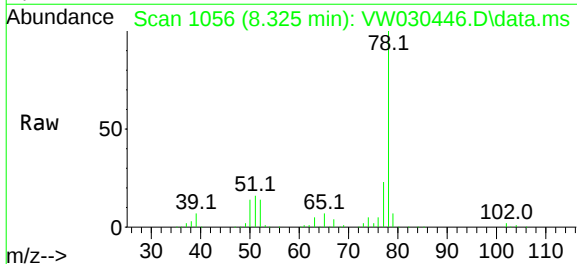


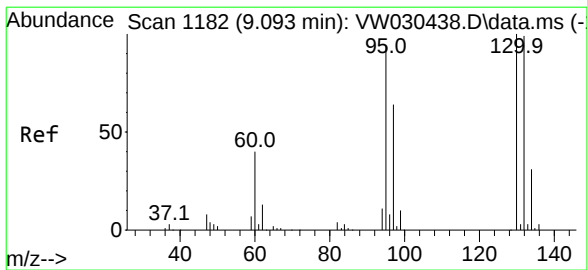
Tgt Ion:117 Resp: 21699
Ion Ratio Lower Upper
117 100
119 93.5 75.5 113.3



#33
Benzene
Concen: 29.365 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Tgt Ion: 78 Resp: 206520





#34

Trichloroethene

Concen: 45.468 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW030446.D

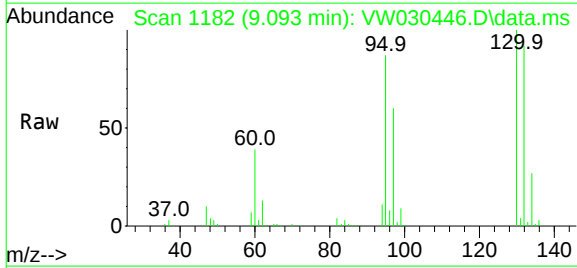
Acq: 08 Oct 2024 15:00

Instrument :

MSVOA_W

ClientSampleId :

A4E78DL



Tgt Ion: 95 Resp: 85057

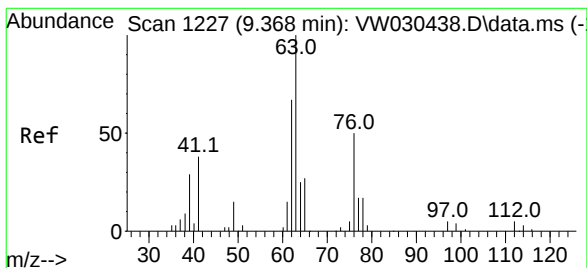
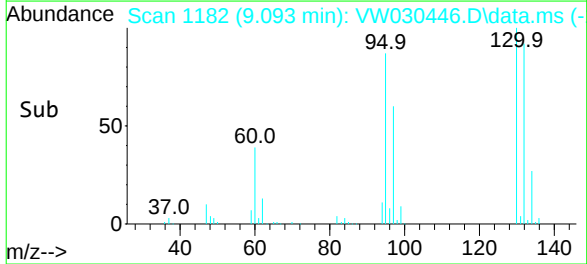
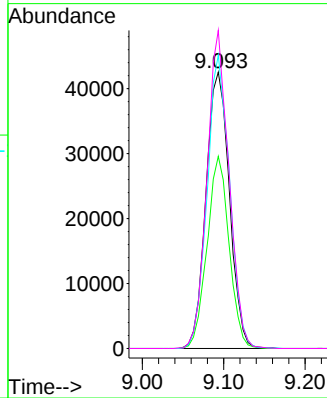
Ion Ratio Lower Upper

95 100

97 69.5 47.5 88.1

132 106.2 66.7 123.9

130 115.1 72.4 134.5



#37

1,2-Dichloropropane

Concen: 14.567 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030446.D

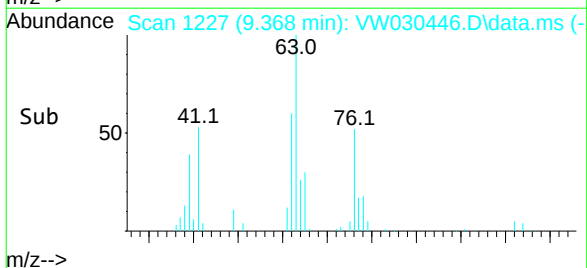
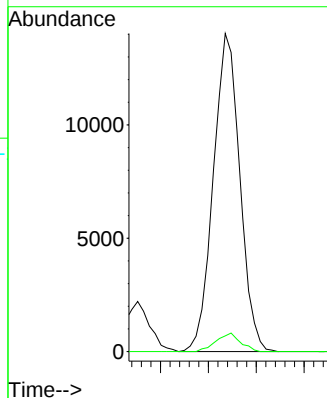
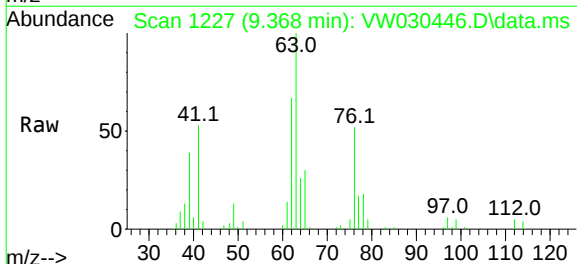
Acq: 08 Oct 2024 15:00

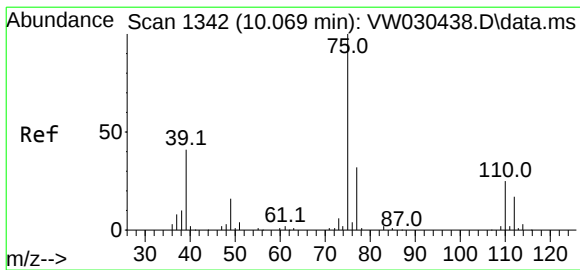
Tgt Ion: 63 Resp: 27030

Ion Ratio Lower Upper

63 100

112 5.3 3.4 5.2#

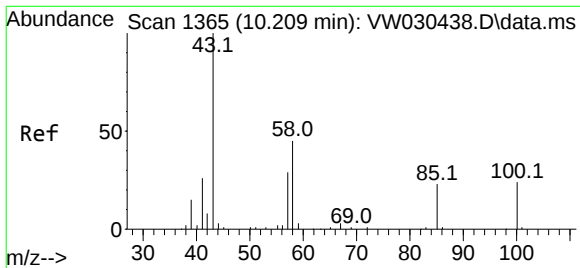
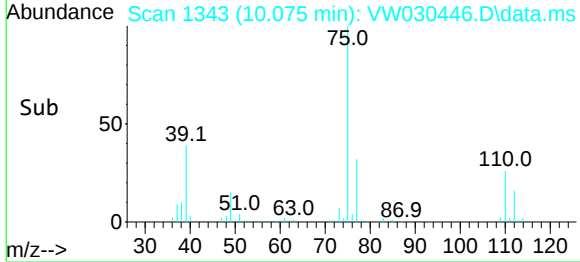
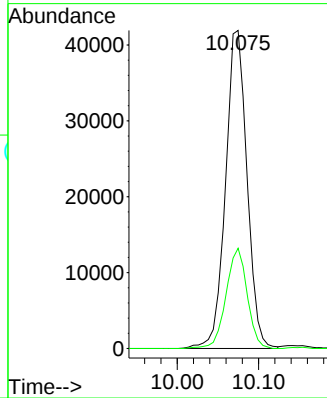
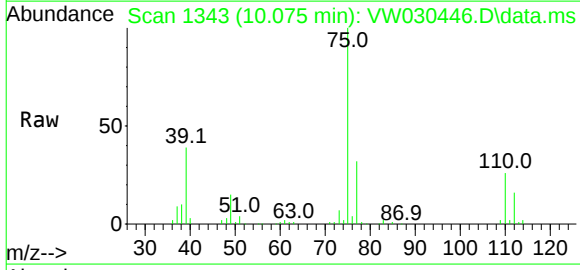




#39
cis-1,3-Dichloropropene
Concen: 27.020 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

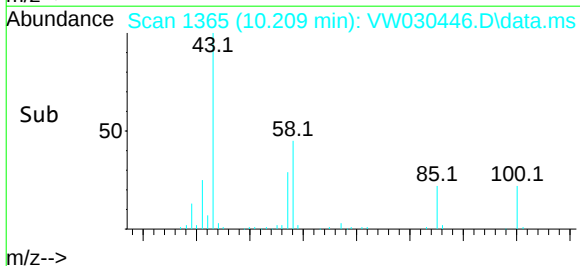
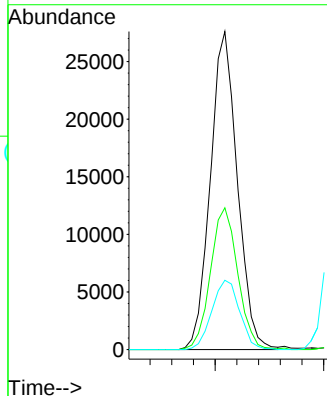
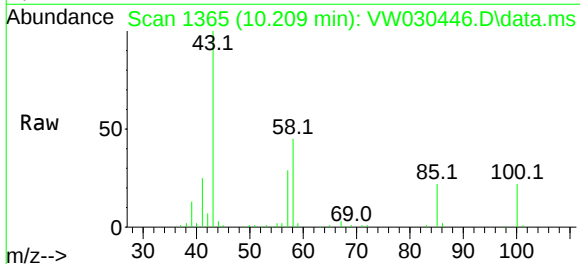
Instrument :
MSVOA_W
ClientSampleId :
A4E78DL

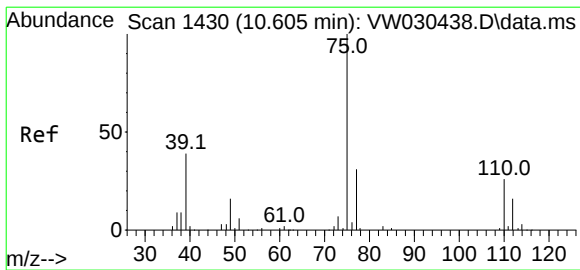
Tgt Ion: 75 Resp: 76878
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8



#40
4-Methyl-2-pentanone
Concen: 50.026 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Tgt Ion: 43 Resp: 47745
Ion Ratio Lower Upper
43 100
58 45.0 32.6 48.8
100 22.4 12.5 18.7#

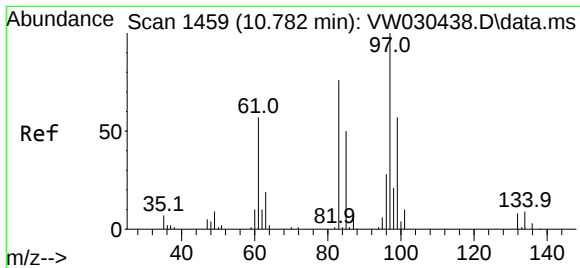
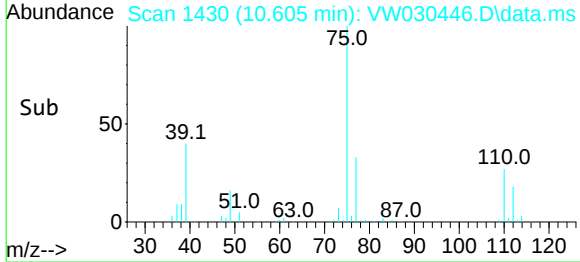
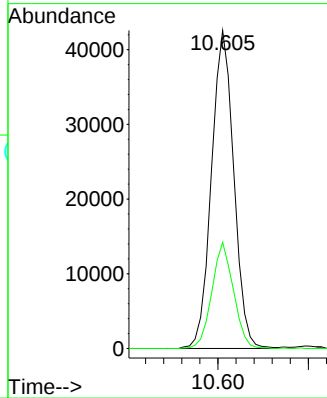
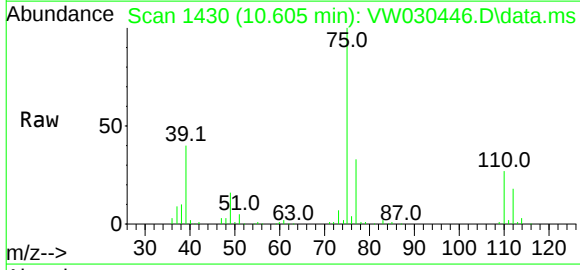




#44
trans-1,3-Dichloropropene
Concen: 30.969 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

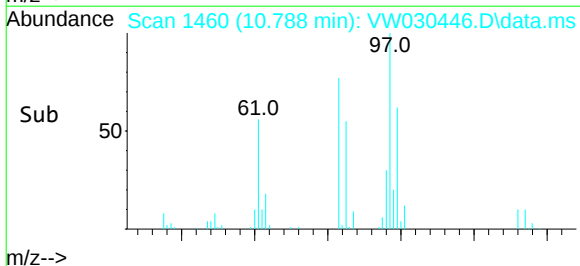
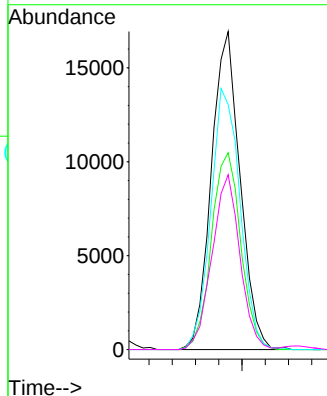
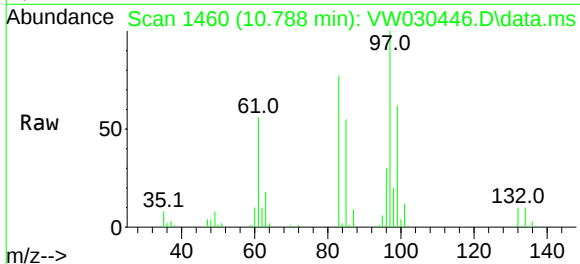
Instrument :
MSVOA_W
ClientSampleId :
A4E78DL

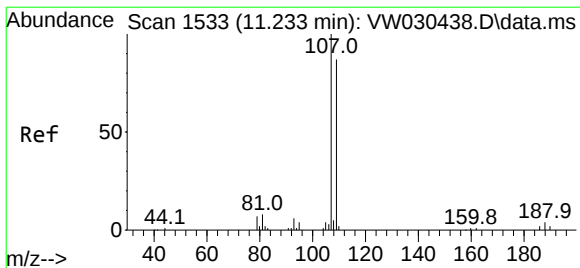
Tgt Ion: 75 Resp: 73012
Ion Ratio Lower Upper
75 100
77 33.4 20.8 38.6



#45
1,1,2-Trichloroethane
Concen: 22.258 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Tgt Ion: 97 Resp: 29105
Ion Ratio Lower Upper
97 100
99 61.9 40.8 75.8
83 77.0 59.1 109.7
85 55.0 38.4 71.4

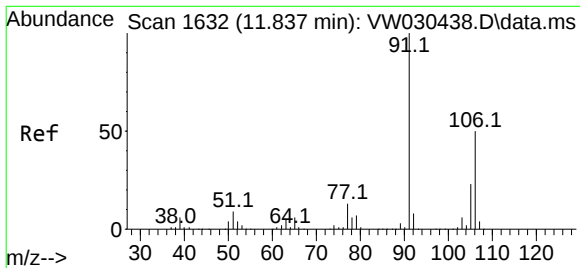
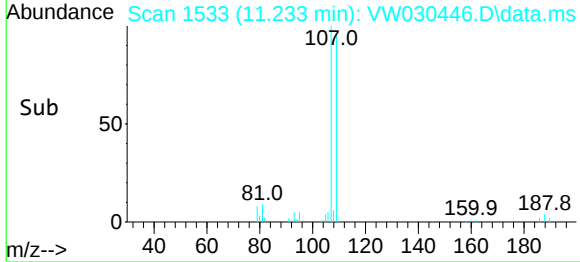
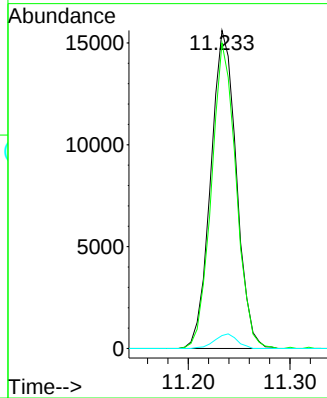
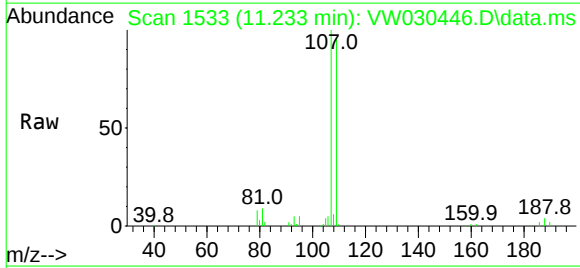




#50
1,2-Dibromoethane
Concen: 22.024 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

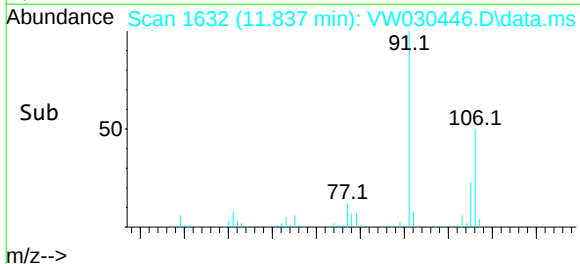
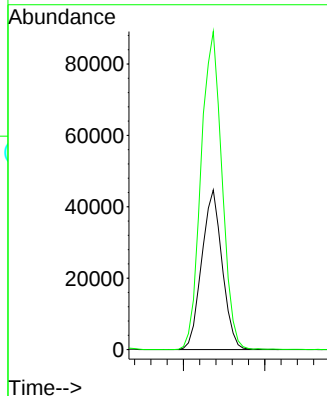
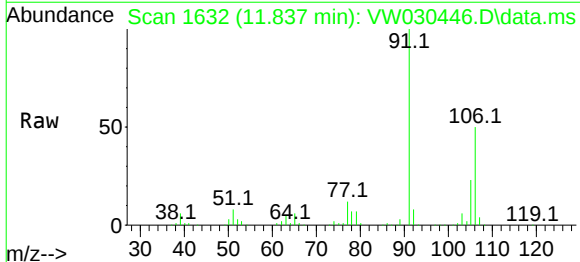
Instrument :
MSVOA_W
ClientSampleId :
A4E78DL

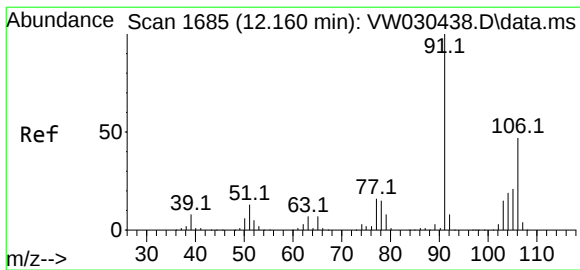
Tgt Ion:	107	Resp:	27250
Ion Ratio	Lower	Upper	
107	100		
109	96.1	67.8	125.8
188	4.1	2.9	4.3



#53
m,p-Xylene
Concen: 24.515 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Tgt Ion:	106	Resp:	78056
Ion Ratio	Lower	Upper	
106	100		
91	199.2	144.4	268.2





#54

o-Xylene

Concen: 31.838 ug/L

RT: 12.166 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

Instrument :

MSVOA_W

ClientSampleId :

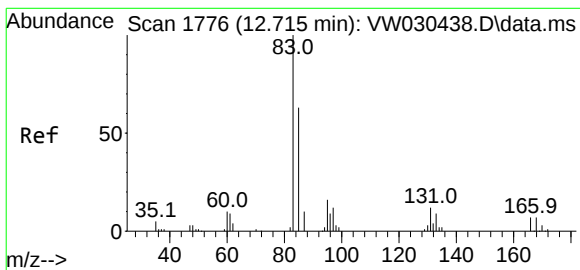
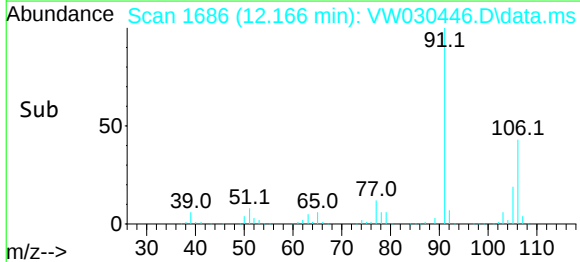
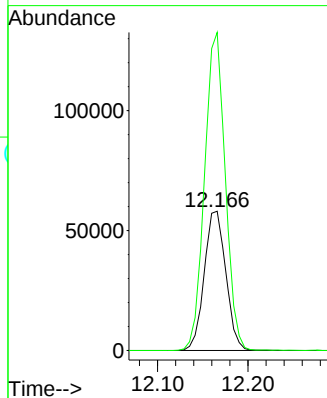
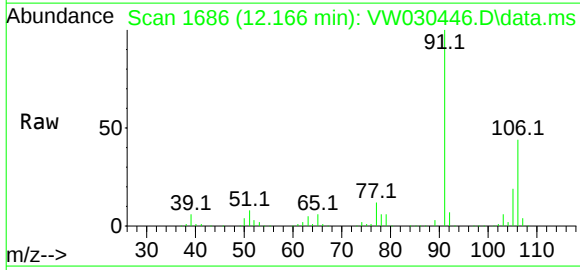
A4E78DL

Tgt Ion:106 Resp: 96487

Ion Ratio Lower Upper

106 100

91 228.4 153.6 285.2



#57

1,1,2-Tetrachloroethane

Concen: 21.084 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW030446.D

Acq: 08 Oct 2024 15:00

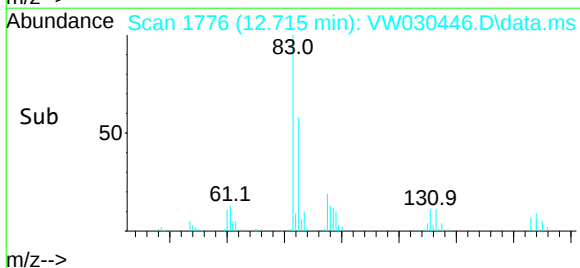
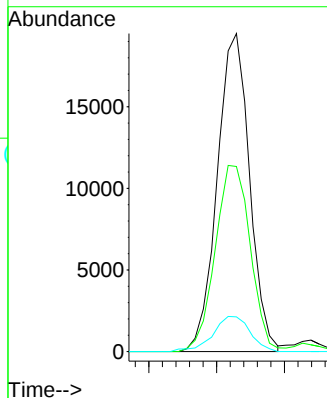
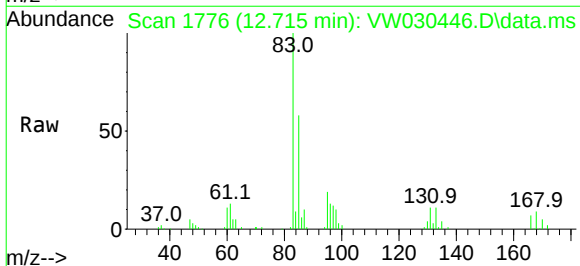
Tgt Ion: 83 Resp: 32290

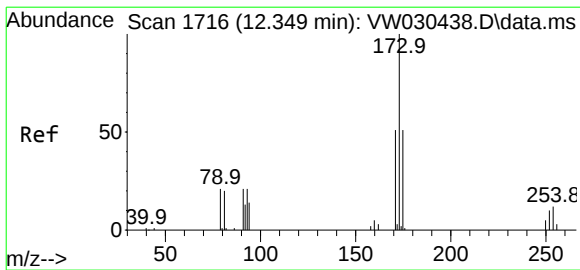
Ion Ratio Lower Upper

83 100

85 58.2 43.9 81.5

131 10.9 7.1 10.7#

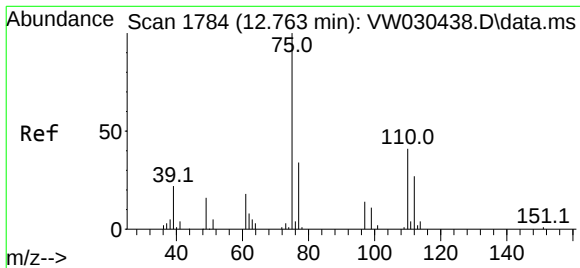
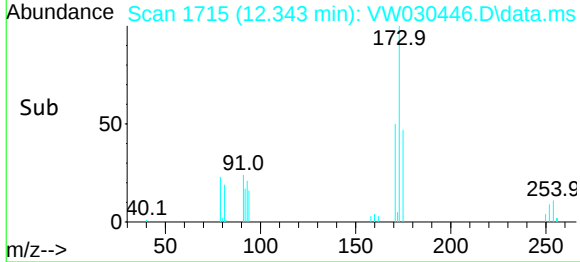
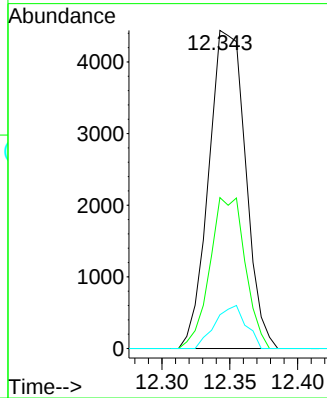
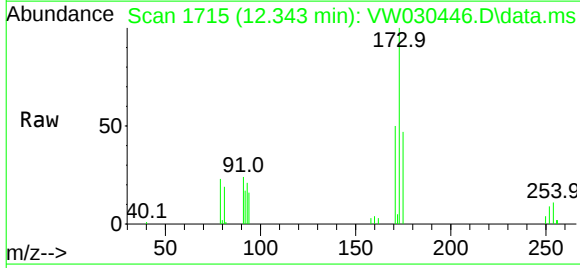




#59
Bromoform
Concen: 9.151 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

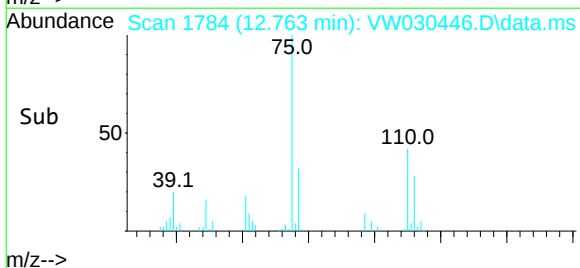
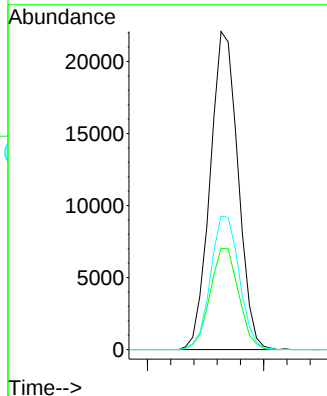
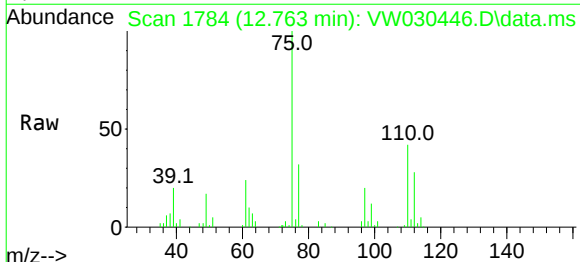
Instrument :
MSVOA_W
ClientSampleId :
A4E78DL

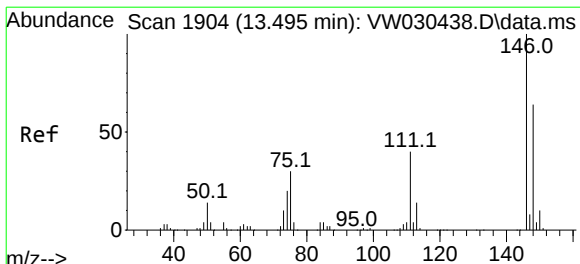
Tgt Ion:	173	Resp:	8380
Ion	Ratio	Lower	Upper
173	100		
175	45.6	38.7	58.1
254	11.3	7.4	11.2



#61
1,2,3-Trichloropropane
Concen: 30.673 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Tgt Ion:	75	Resp:	36857
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2
110	43.1	30.8	46.2

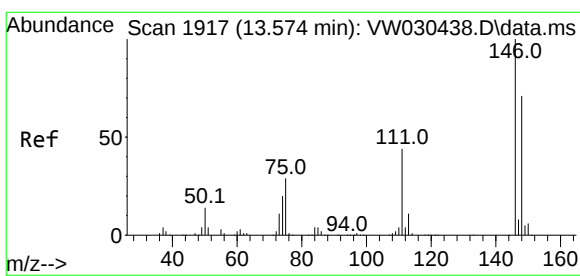
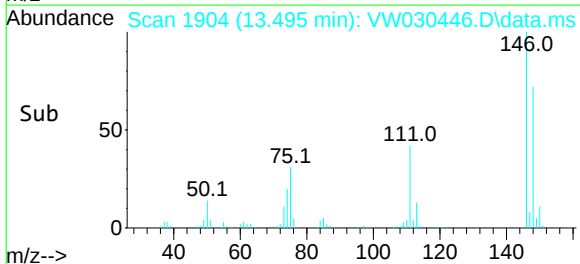
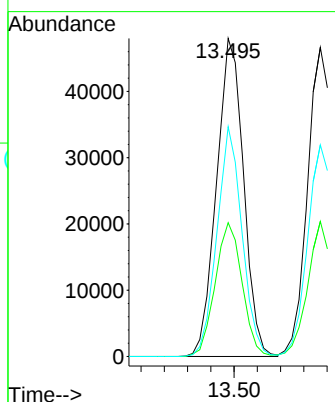
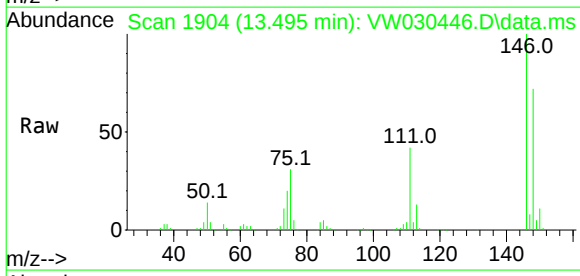




#64
 1,3-Dichlorobenzene
 Concen: 19.330 ug/L
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW030446.D
 Acq: 08 Oct 2024 15:00

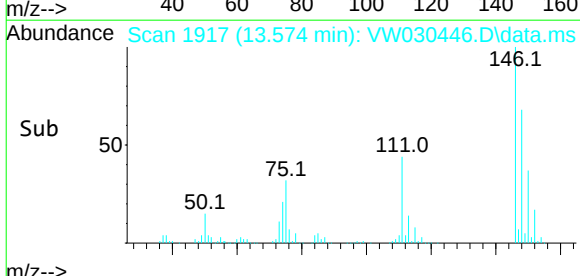
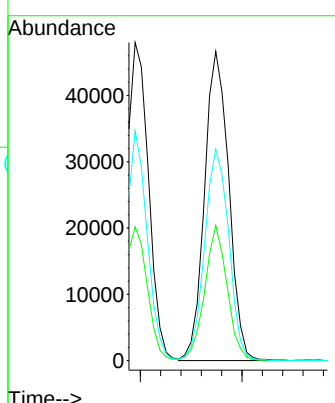
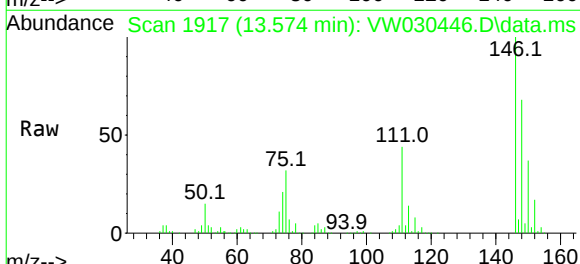
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E78DL

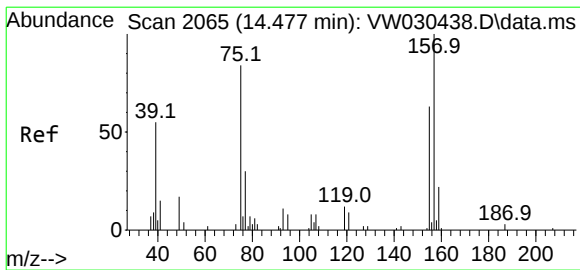
Tgt Ion:	146	Resp:	77502
Ion Ratio	Lower	Upper	
146	100		
111	42.1	33.2	61.6
148	72.3	50.4	93.6



#65
 1,4-Dichlorobenzene
 Concen: 18.902 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: VW030446.D
 Acq: 08 Oct 2024 15:00

Tgt Ion:	146	Resp:	77419
Ion Ratio	Lower	Upper	
146	100		
111	43.7	29.1	54.1
148	68.5	42.1	78.1

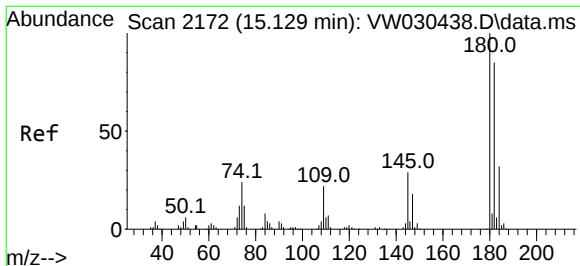
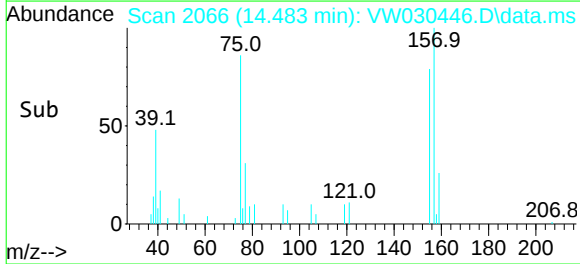
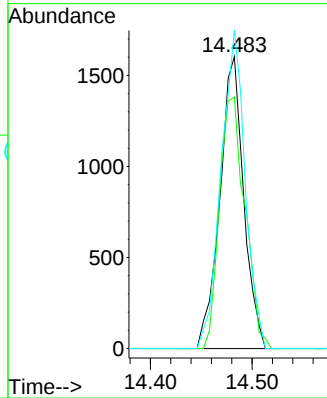
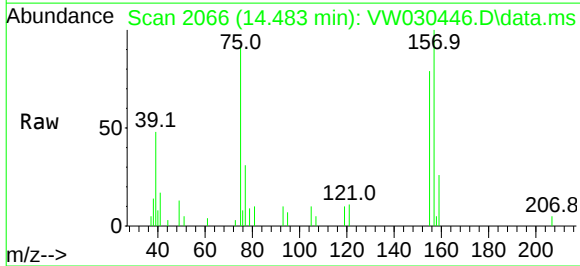




#68
1,2-Dibromo-3-chloropropane
Concen: 9.476 ug/L
RT: 14.483 min Scan# 2065
Delta R.T. 0.006 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Instrument :
MSVOA_W
ClientSampleId :
A4E78DL

Tgt Ion:	75	Resp:	2609
Ion Ratio	Lower	Upper	
75	100		
155	86.2	60.1	90.1
157	109.0	74.3	111.5



#70
1,2,4-trichlorobenzene
Concen: 12.122 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW030446.D
Acq: 08 Oct 2024 15:00

Tgt Ion:	180	Resp:	27772
Ion Ratio	Lower	Upper	
180	100		
182	95.3	77.2	115.8
145	29.8	25.3	37.9

