

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100224\
 Data File : VW030330.D
 Acq On : 02 Oct 2024 16:29
 Operator : SY/MD
 Sample : P4237-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4E69DL

Quant Time: Oct 03 04:12:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 03 04:10:12 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		8.849	114	150947	25.000	ug/L	0.00
28) Chlorobenzene-d5		11.629	117	144549	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		13.556	152	70295	25.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		2.363	65	37423	31.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 126.920%		
7) Chloroethane-d5		2.899	69	28568	33.287	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 133.160%		
11) 1,1-Dichloroethene-d2		4.027	65	22466	26.093	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 104.360%		
21) 2-Butanone-d5		7.081	46	29176	61.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 123.020%		
24) Chloroform-d		7.654	84	117328	28.933	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 115.720%		
26) 1,2-Dichloroethane-d4		8.307	65	62272	29.420	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 117.680%		
32) Benzene-d6		8.276	84	209560	25.867	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.480%		
36) 1,2-Dichloropropane-d6		9.276	67	66603	27.334	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 109.320%		
41) Toluene-d8		10.325	98	190723	25.673	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 102.680%		
43) trans-1,3-Dichloroprop...		10.581	79	27386	27.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.080%		
47) 2-Hexanone-d5		10.922	63	23206	57.674	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 115.340%		
56) 1,1,2,2-Tetrachloroeth...		12.690	84	51353	28.204	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 112.800%		
66) 1,2-Dichlorobenzene-d4		13.848	152	63942	27.397	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 109.600%		
Target Compounds							
						Qvalue	
12) 1,1-Dichloroethene		4.045	96	44234	25.223	ug/L	92
13) Acetone		4.124	43	20991	41.717	ug/L	99
16) Methylene chloride		4.929	84	105313	45.330	ug/L	95
17) trans-1,2-Dichloroethene		5.435	96	35635	17.504	ug/L	98
18) Methyl tert-butyl Ether		5.429	73	74430	22.987	ug/L	97
19) 1,1-Dichloroethane		6.228	63	207571	53.540	ug/L	98
22) 2-Butanone		7.173	43	82780	128.690	ug/L	94
25) Chloroform		7.679	83	216319	53.802	ug/L	97
31) Carbon tetrachloride		8.069	117	28963	9.678	ug/L	97
33) Benzene		8.325	78	330916	37.586	ug/L	100
34) Trichloroethene		9.093	95	126893	54.184	ug/L	94
37) 1,2-Dichloropropane		9.367	63	49710	21.399	ug/L	100
39) cis-1,3-Dichloropropene		10.075	75	126424	35.494	ug/L	98
40) 4-Methyl-2-pentanone		10.209	43	106228	88.908	ug/L	98
44) trans-1,3-Dichloropropene		10.605	75	120691	40.893	ug/L	99
45) 1,1,2-Trichloroethane		10.788	97	45050	27.520	ug/L	97
50) 1,2-Dibromoethane		11.233	107	40624	26.226	ug/L	94
53) m,p-Xylene		11.836	106	110183	27.642	ug/L	100
54) o-Xylene		12.166	106	140152	36.942	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Thu Oct 03 04:10:12 2024
Response via : Initial Calibration

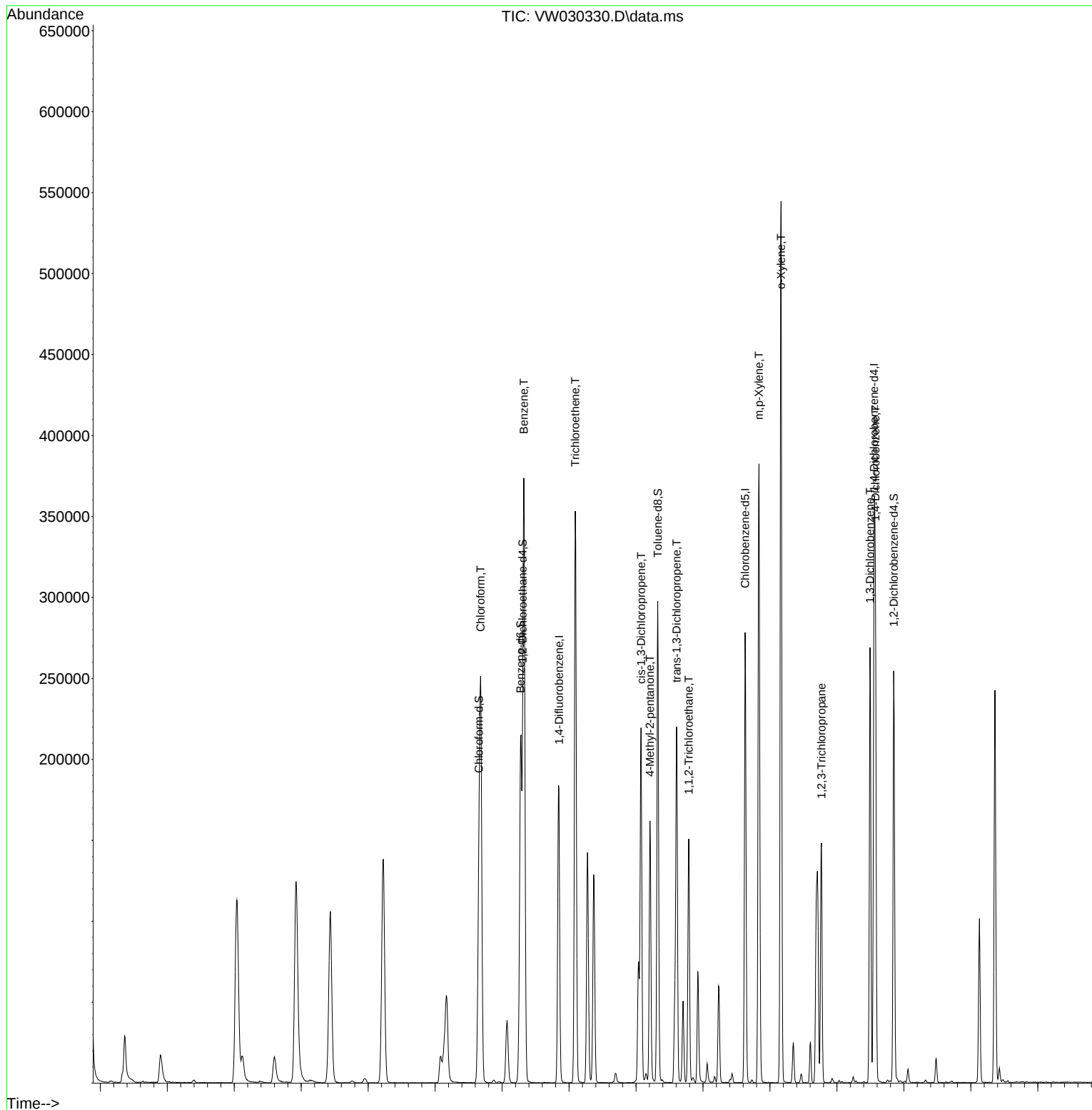
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	54426	28.388	ug/L	98
59) Bromoform	12.349	173	11085	10.885	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	63880	47.802	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	102348	22.954	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	102185	22.434	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	4028	13.155	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	29882	11.728	ug/L	99

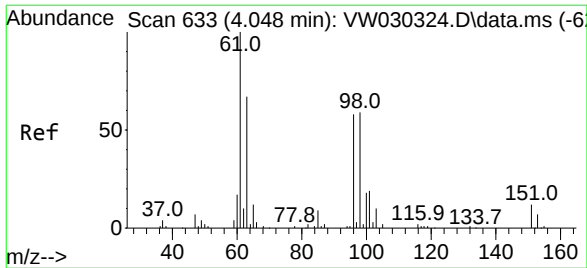
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 25.223 ug/L

RT: 4.045 min Scan# 35

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

A4E69DL

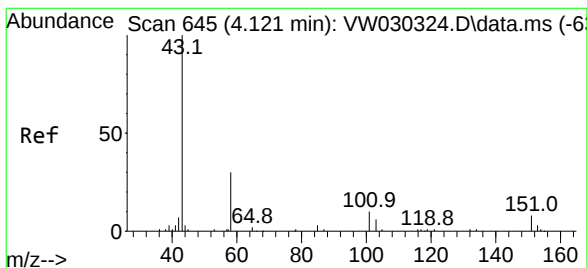
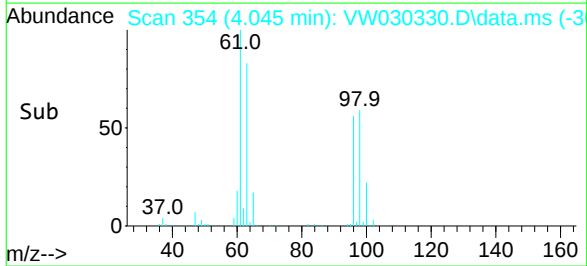
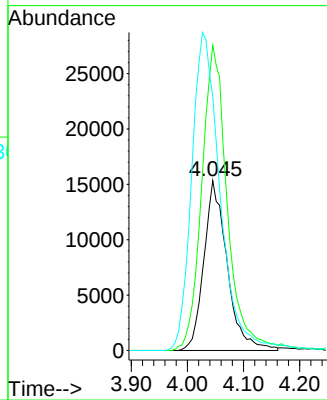
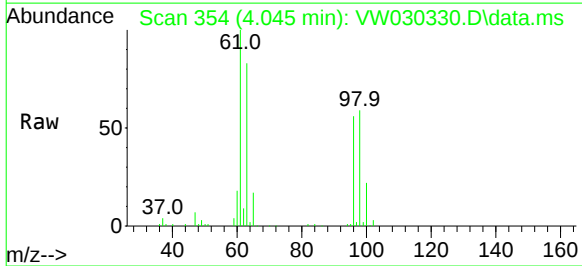
Tgt Ion: 96 Resp: 44234

Ion Ratio Lower Upper

96 100

61 179.7 120.1 223.1

63 149.5 94.8 176.2



#13

Acetone

Concen: 41.717 ug/L

RT: 4.124 min Scan# 367

Delta R.T. 0.003 min

Lab File: VW030330.D

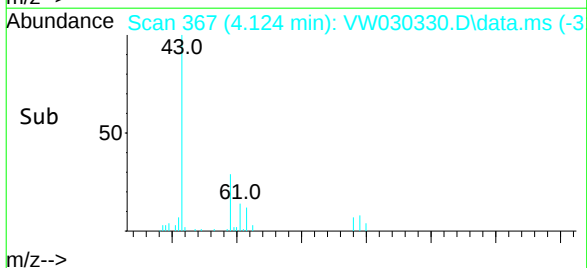
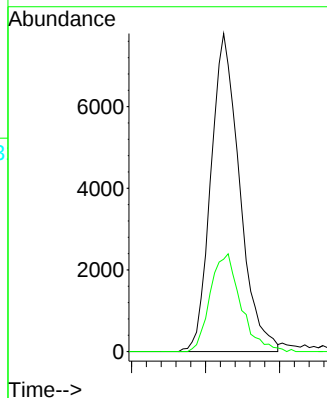
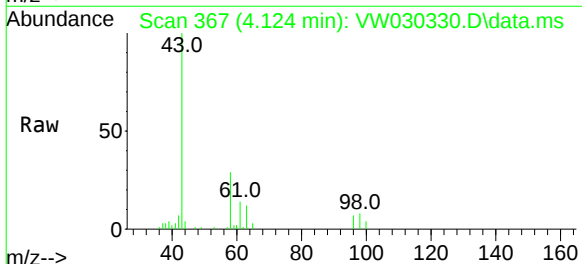
Acq: 02 Oct 2024 16:29

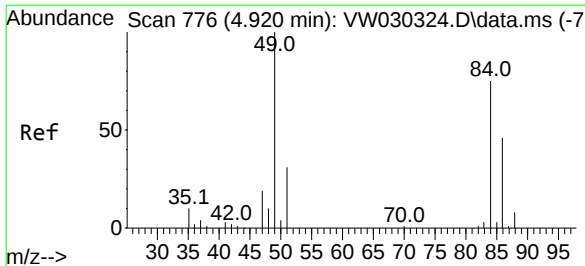
Tgt Ion: 43 Resp: 20991

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.0





#16

Methylene chloride

Concen: 45.330 ug/L

RT: 4.929 min Scan# 49

Delta R.T. 0.009 min

Lab File: VW030330.D

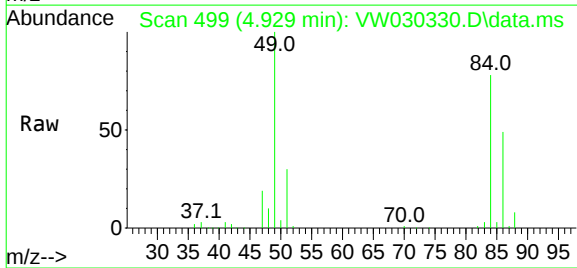
Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

A4E69DL



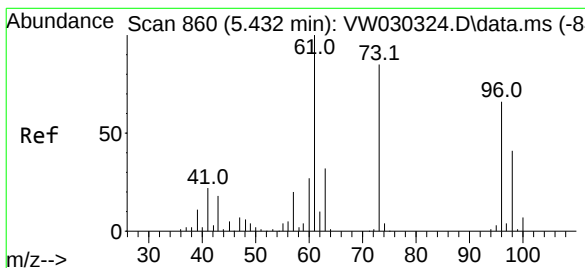
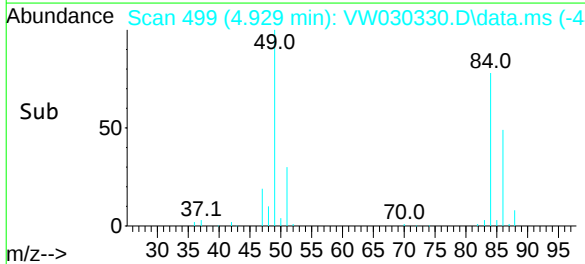
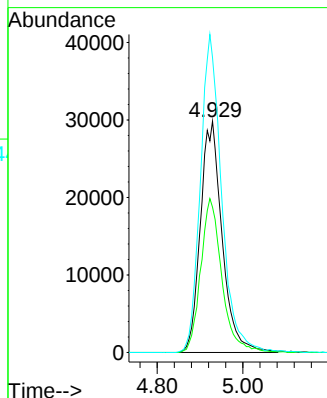
Tgt Ion: 84 Resp: 105313

Ion Ratio Lower Upper

84 100

86 62.8 44.8 83.2

49 127.4 83.6 155.2



#17

trans-1,2-Dichloroethene

Concen: 17.504 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

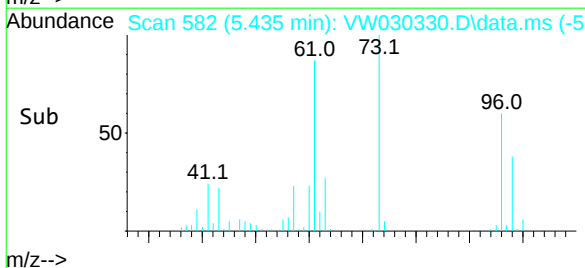
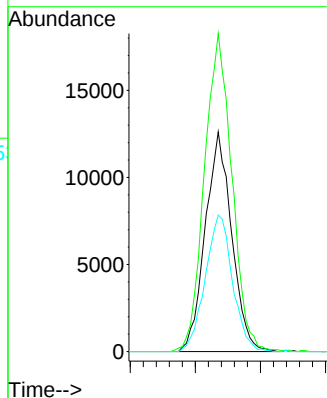
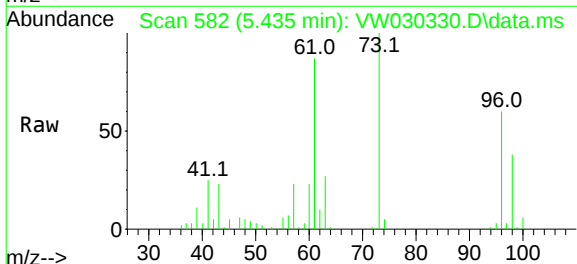
Tgt Ion: 96 Resp: 35635

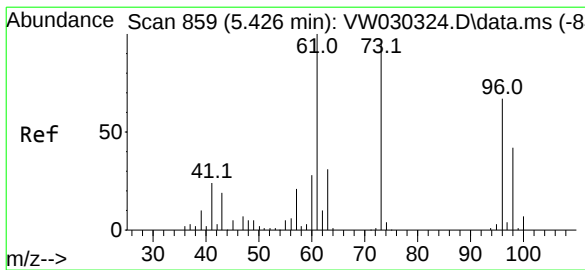
Ion Ratio Lower Upper

96 100

61 144.8 100.3 186.3

98 62.2 46.3 86.1





#18

Methyl tert-butyl Ether

Concen: 22.987 ug/L

RT: 5.429 min Scan# 58

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

A4E69DL

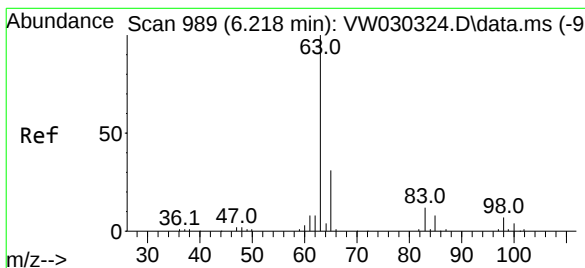
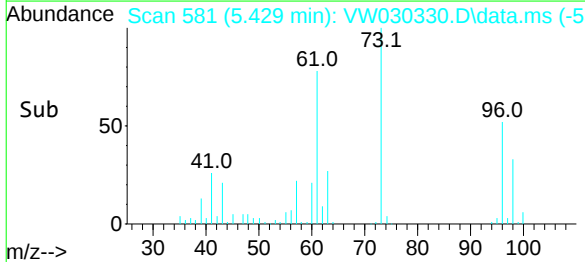
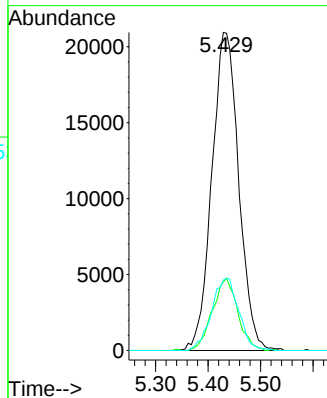
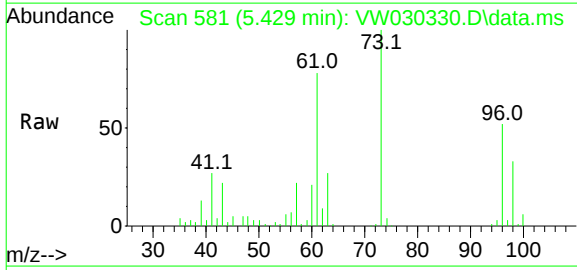
Tgt Ion: 73 Resp: 74430

Ion Ratio Lower Upper

73 100

43 21.4 15.9 23.9

57 22.9 17.6 26.4



#19

1,1-Dichloroethane

Concen: 53.540 ug/L

RT: 6.228 min Scan# 712

Delta R.T. 0.009 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

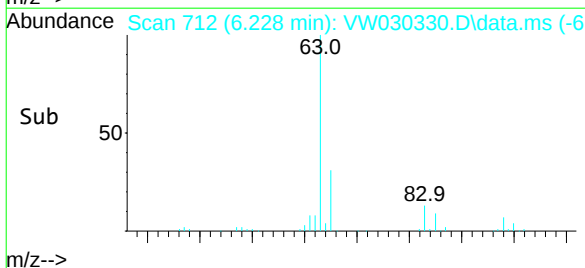
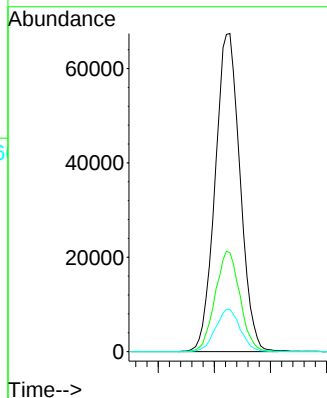
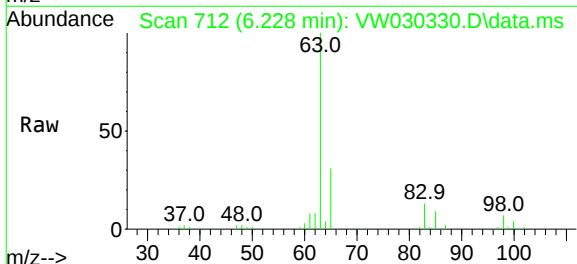
Tgt Ion: 63 Resp: 207571

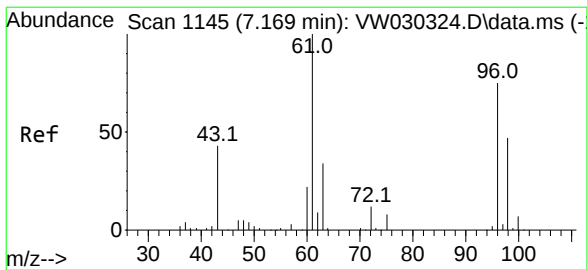
Ion Ratio Lower Upper

63 100

65 31.1 20.7 38.5

83 13.4 9.9 18.3





#22

2-Butanone

Concen: 128.690 ug/L

RT: 7.173 min Scan# 86

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

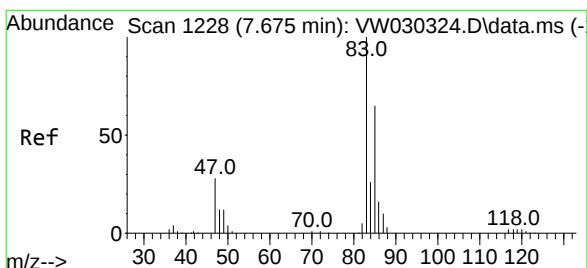
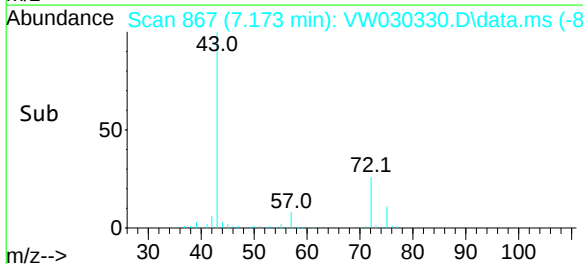
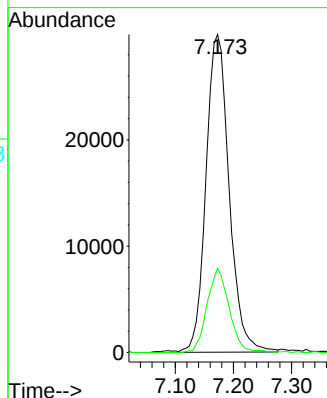
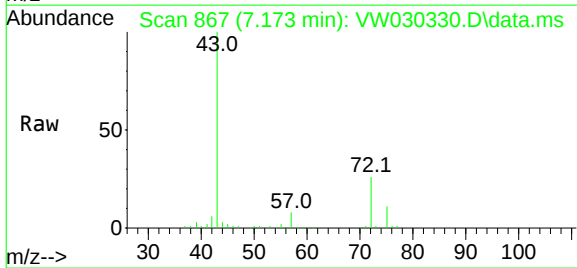
A4E69DL

Tgt Ion: 43 Resp: 82780

Ion Ratio Lower Upper

43 100

72 25.0 14.1 42.3



#25

Chloroform

Concen: 53.802 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.003 min

Lab File: VW030330.D

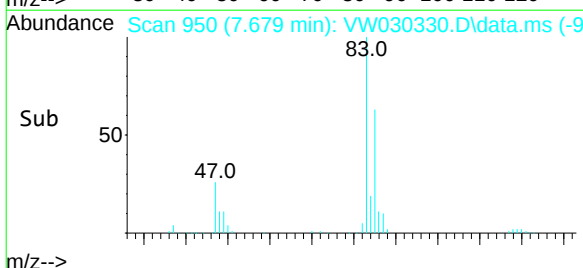
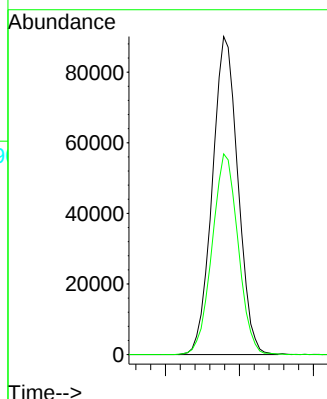
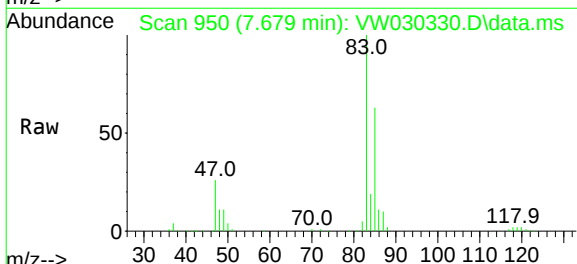
Acq: 02 Oct 2024 16:29

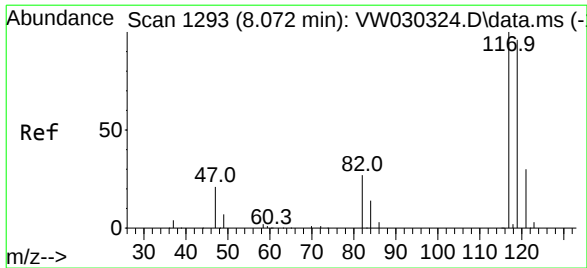
Tgt Ion: 83 Resp: 216319

Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.0





#31

Carbon tetrachloride

Concen: 9.678 ug/L

RT: 8.069 min Scan# 10

Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

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ClientSampleId :

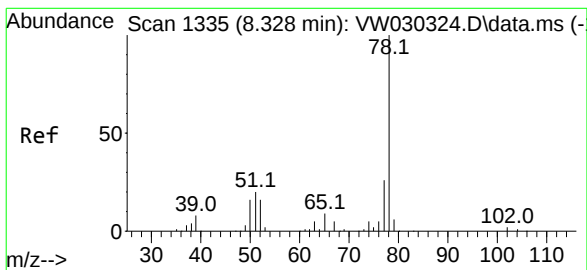
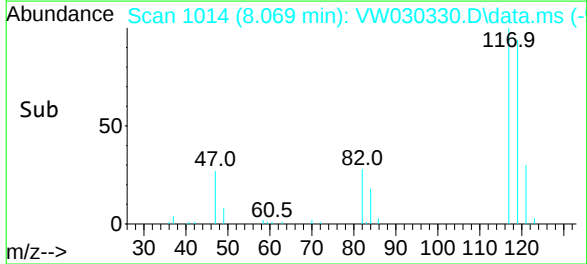
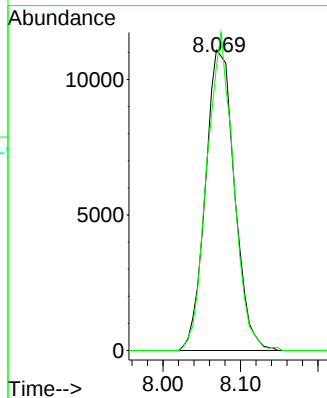
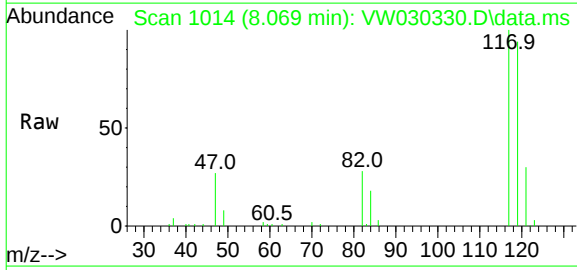
A4E69DL

Tgt Ion:117 Resp: 28963

Ion Ratio Lower Upper

117 100

119 97.2 75.5 113.3



#33

Benzene

Concen: 37.586 ug/L

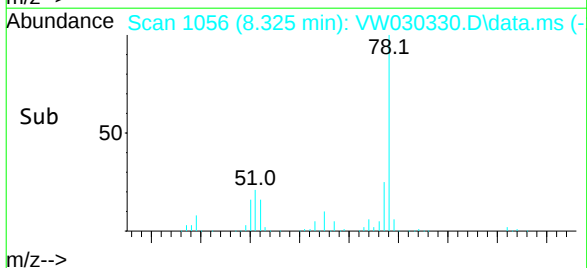
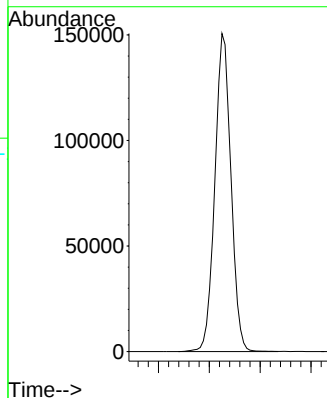
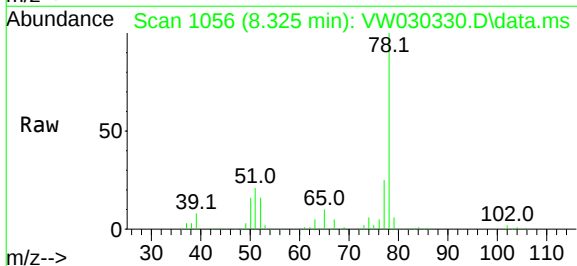
RT: 8.325 min Scan# 1056

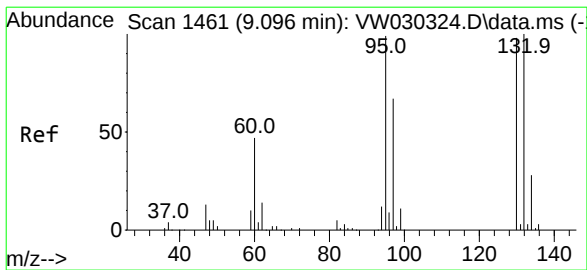
Delta R.T. -0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Tgt Ion: 78 Resp: 330916





#34

Trichloroethene

Concen: 54.184 ug/L

RT: 9.093 min Scan# 11

Delta R.T. -0.003 min

Lab File: VW030330.D

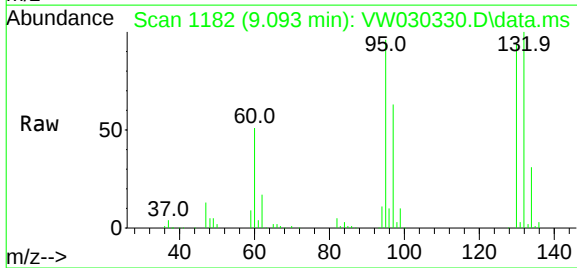
Acq: 02 Oct 2024 16:29

Instrument :

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ClientSampleId :

A4E69DL



Tgt Ion: 95 Resp: 126893

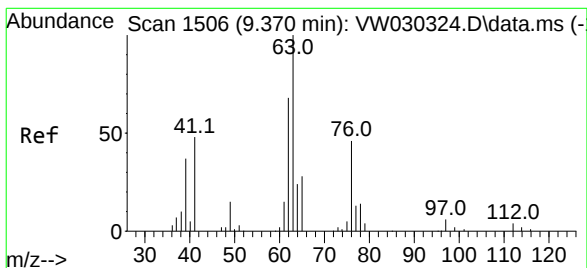
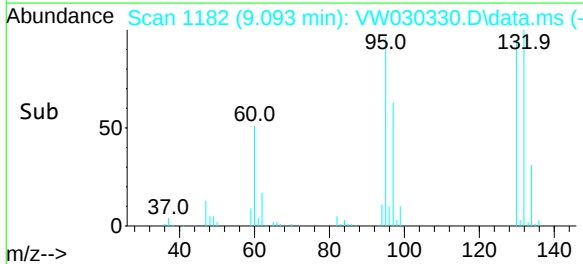
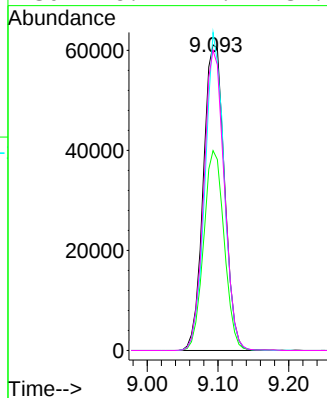
Ion Ratio Lower Upper

95 100

97 65.4 47.5 88.1

132 104.1 66.7 123.9

130 98.2 72.4 134.5



#37

1,2-Dichloropropane

Concen: 21.399 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.003 min

Lab File: VW030330.D

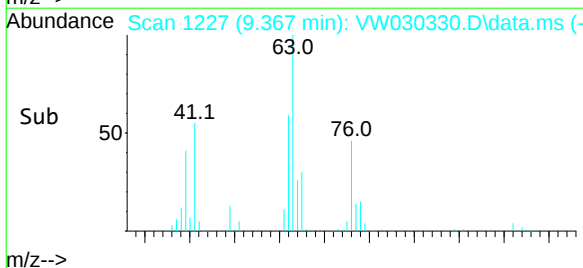
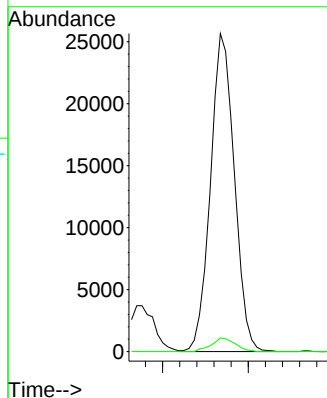
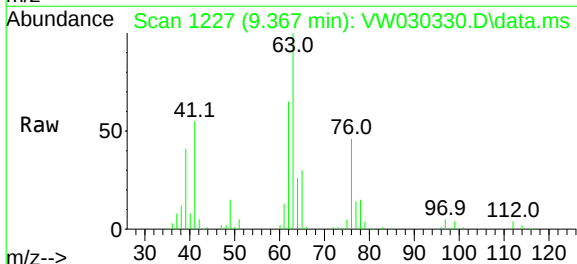
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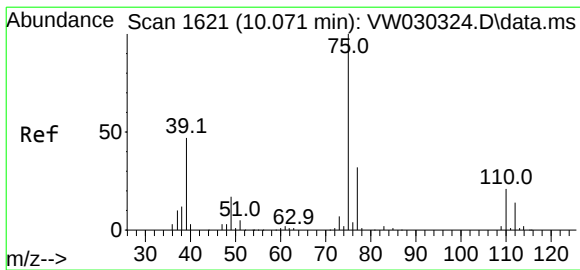
Tgt Ion: 63 Resp: 49710

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2

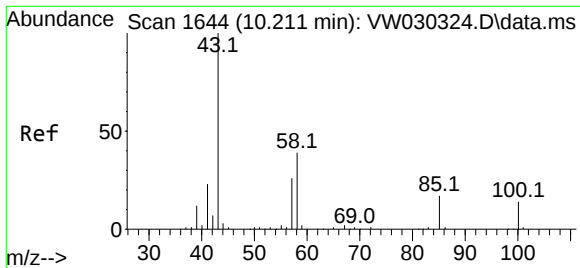
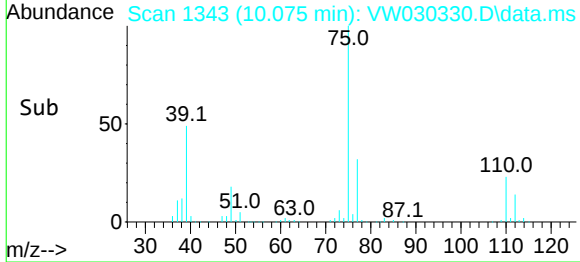
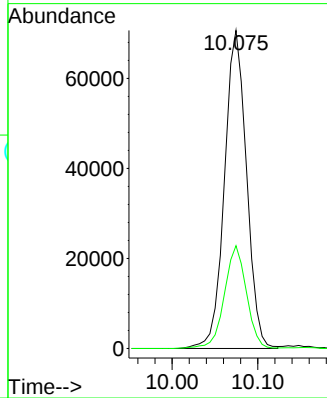
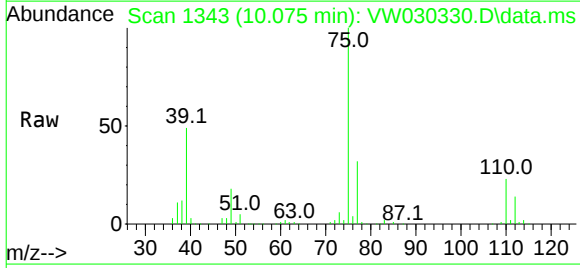




#39
 cis-1,3-Dichloropropene
 Concen: 35.494 ug/L
 RT: 10.075 min Scan# 1364
 Delta R.T. 0.003 min
 Lab File: VW030330.D
 Acq: 02 Oct 2024 16:29

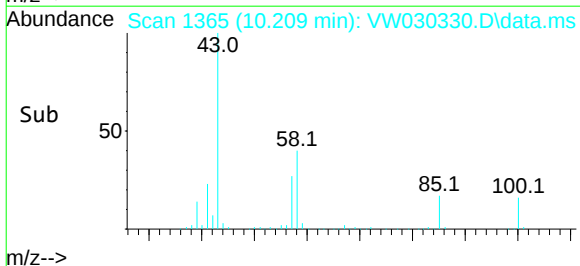
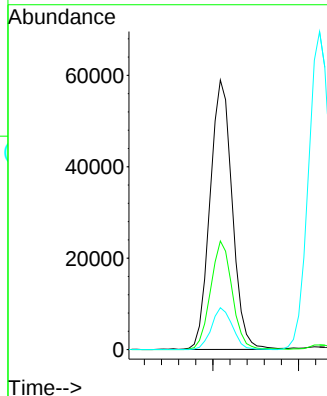
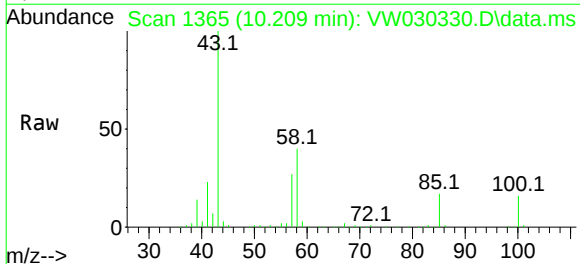
Instrument :
 MSVOA_W
 ClientSampleId :
 A4E69DL

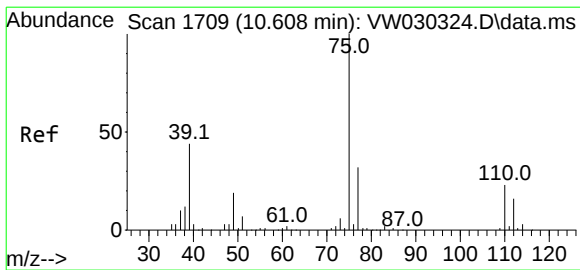
Tgt Ion: 75 Resp: 126424
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 88.908 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.003 min
 Lab File: VW030330.D
 Acq: 02 Oct 2024 16:29

Tgt Ion: 43 Resp: 106228
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.6 48.8
 100 14.7 12.5 18.7

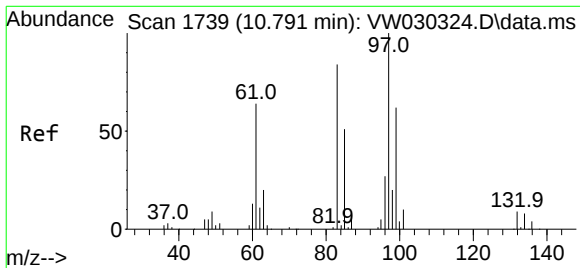
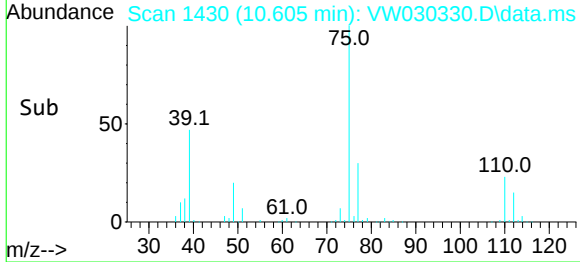
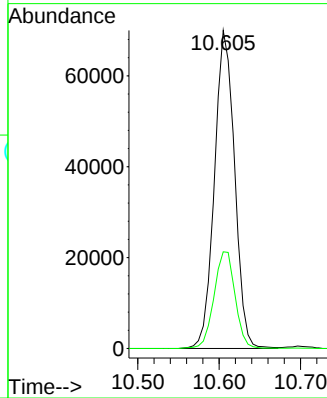
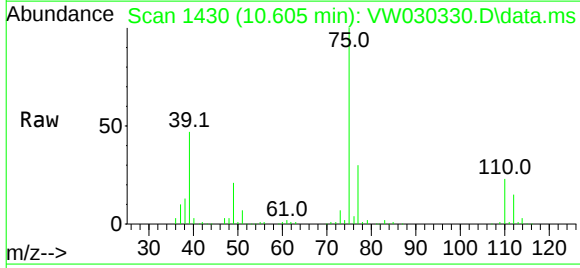




#44
trans-1,3-Dichloropropene
Concen: 40.893 ug/L
RT: 10.605 min Scan# 14
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

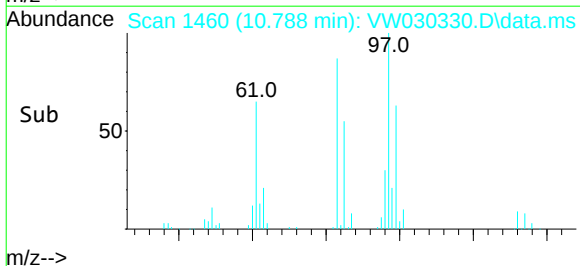
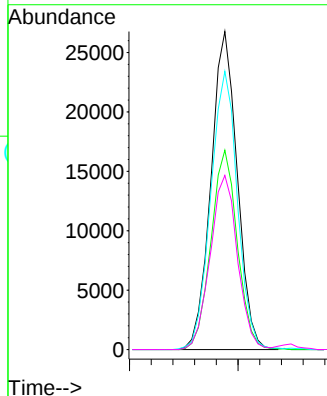
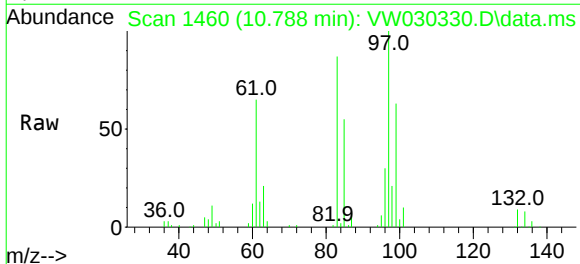
Instrument :
MSVOA_W
ClientSampleId :
A4E69DL

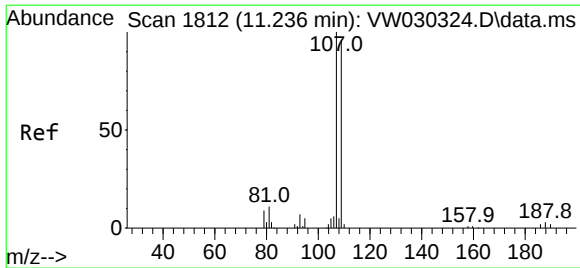
Tgt Ion: 75 Resp: 120691
Ion Ratio Lower Upper
75 100
77 30.4 20.8 38.6



#45
1,1,2-Trichloroethane
Concen: 27.520 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion: 97 Resp: 45050
Ion Ratio Lower Upper
97 100
99 62.7 40.8 75.8
83 87.5 59.1 109.7
85 54.8 38.4 71.4

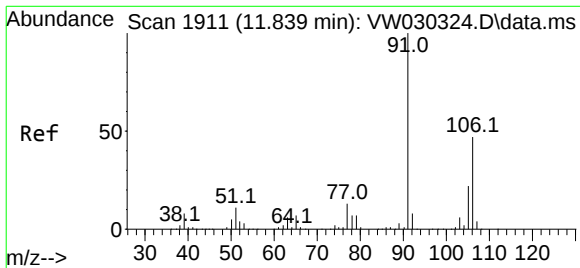
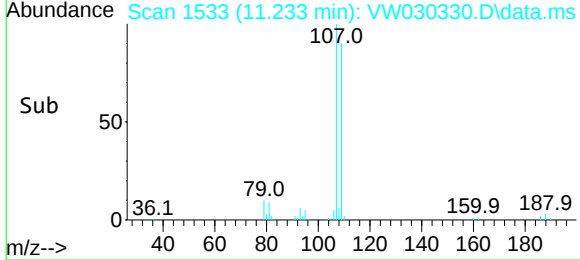
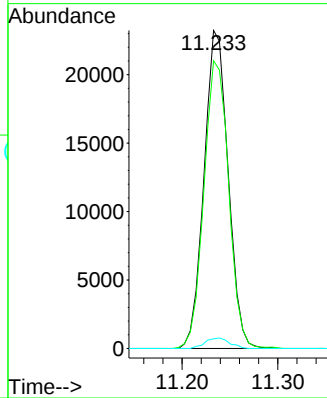
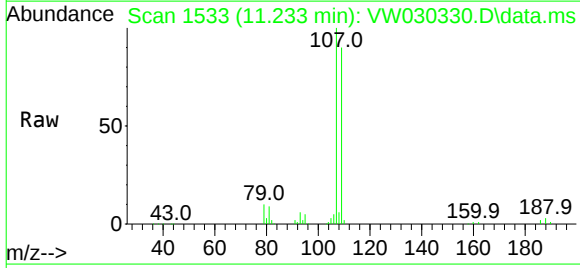




#50
1,2-Dibromoethane
Concen: 26.226 ug/L
RT: 11.233 min Scan# 1515
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

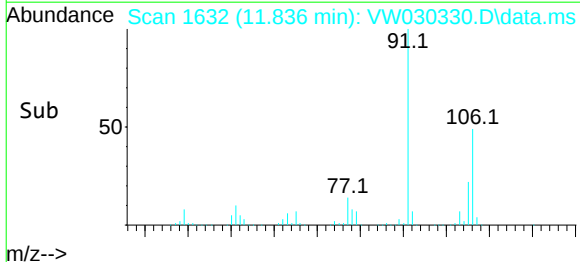
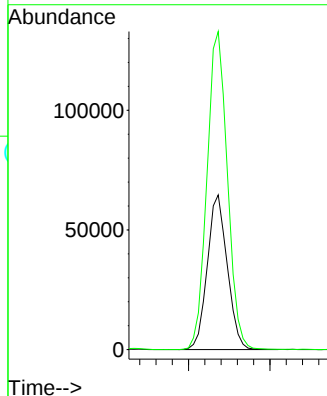
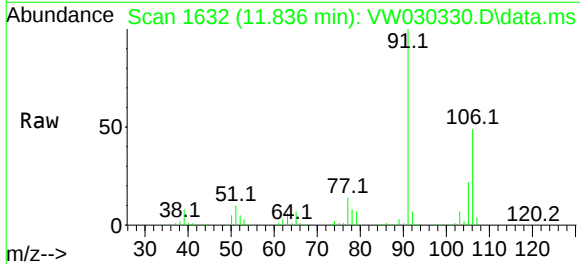
Instrument :
MSVOA_W
ClientSampleId :
A4E69DL

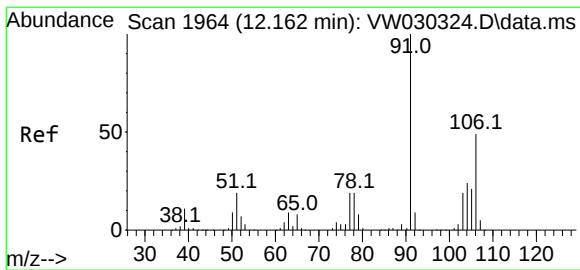
Tgt Ion:	107	Resp:	40624
Ion	Ratio	Lower	Upper
107	100		
109	90.5	67.8	125.8
188	3.0	2.9	4.3



#53
m,p-Xylene
Concen: 27.642 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion:	106	Resp:	110183
Ion	Ratio	Lower	Upper
106	100		
91	205.5	144.4	268.2





#54

o-Xylene

Concen: 36.942 ug/L

RT: 12.166 min Scan# 16

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

Instrument :

MSVOA_W

ClientSampleId :

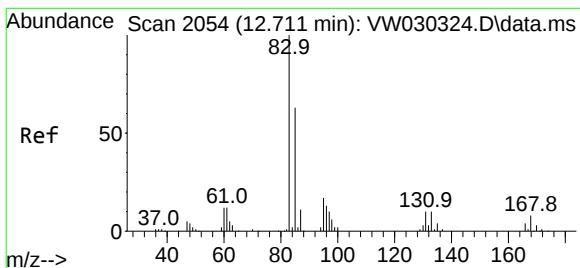
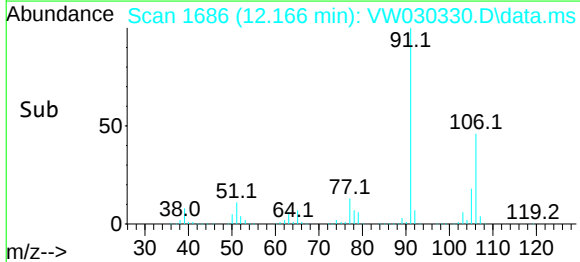
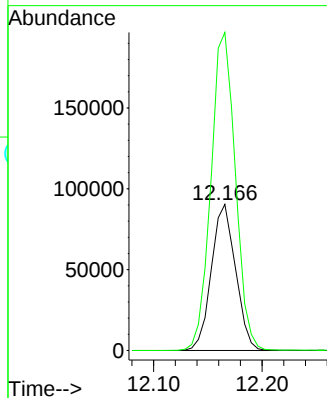
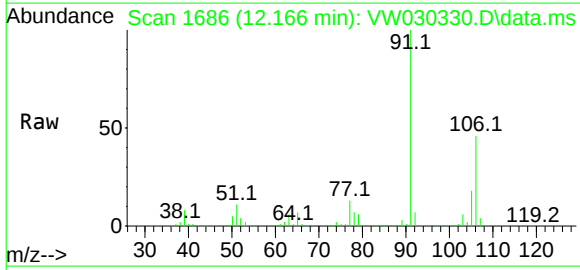
A4E69DL

Tgt Ion:106 Resp: 140152

Ion Ratio Lower Upper

106 100

91 217.7 153.6 285.2



#57

1,1,2,2-Tetrachloroethane

Concen: 28.388 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.003 min

Lab File: VW030330.D

Acq: 02 Oct 2024 16:29

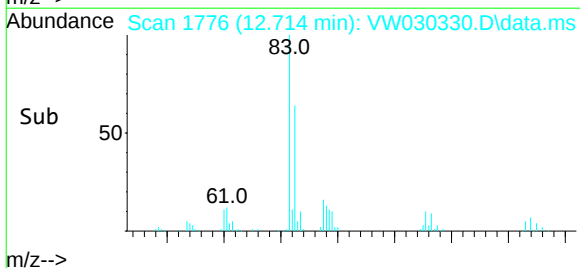
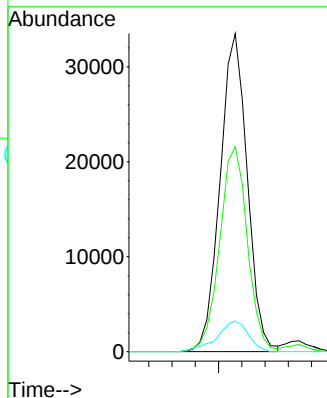
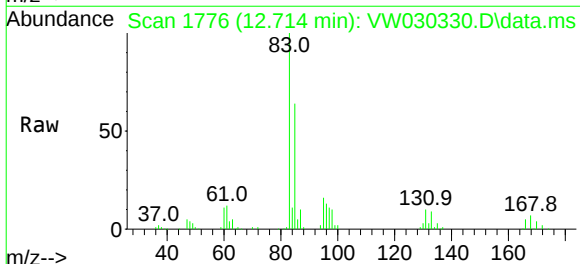
Tgt Ion: 83 Resp: 54426

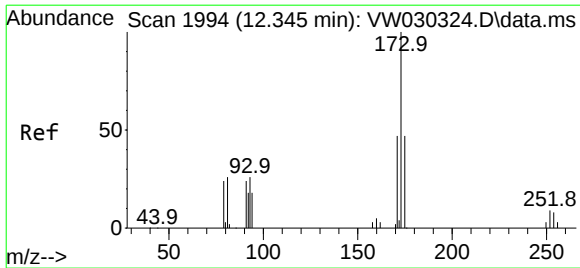
Ion Ratio Lower Upper

83 100

85 64.4 43.9 81.5

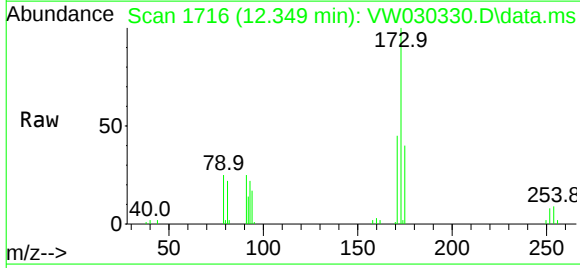
131 9.6 7.1 10.7



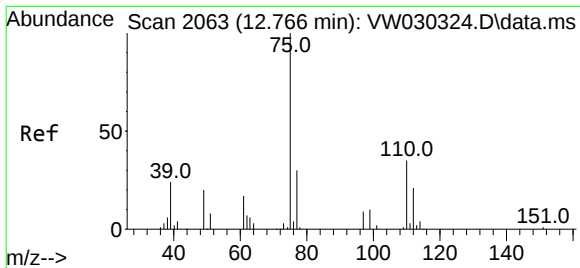
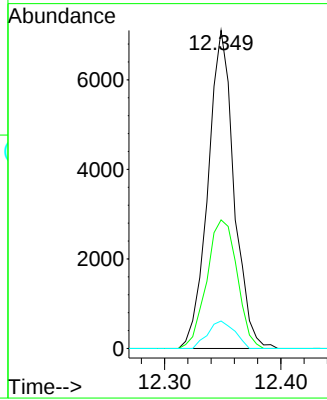
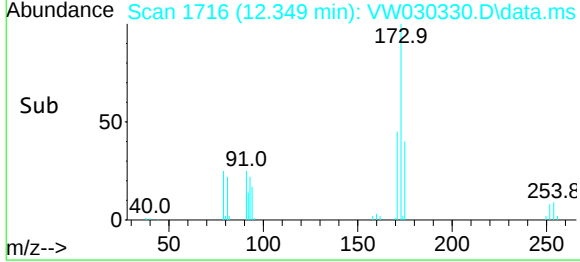


#59
Bromoform
Concen: 10.885 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Instrument :
MSVOA_W
ClientSampleId :
A4E69DL

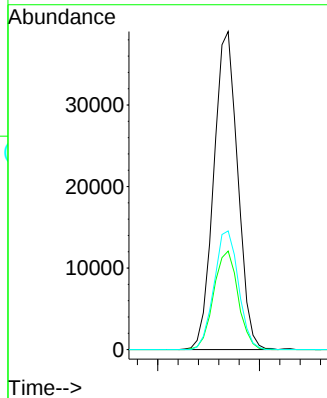
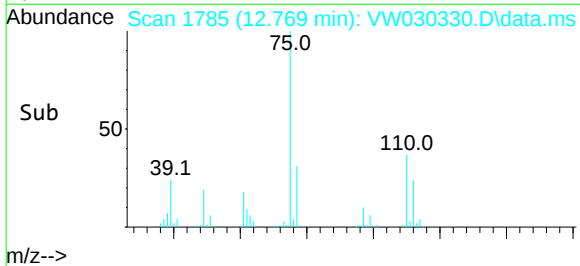
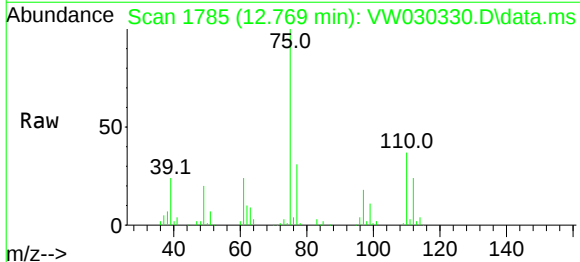


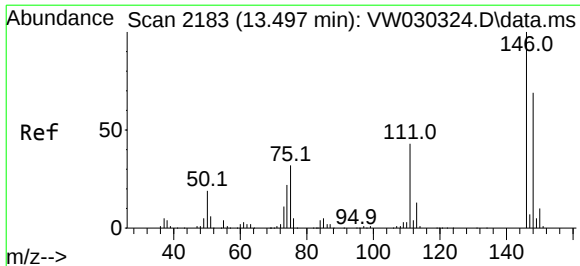
Tgt Ion:	173	Resp:	11085
Ion	Ratio	Lower	Upper
173	100		
175	47.0	38.7	58.1
254	8.9	7.4	11.2



#61
1,2,3-Trichloropropane
Concen: 47.802 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

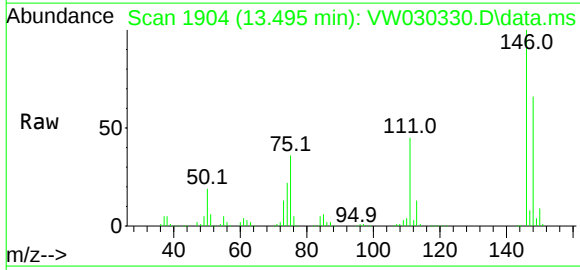
Tgt Ion:	75	Resp:	63880
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
110	37.9	30.8	46.2



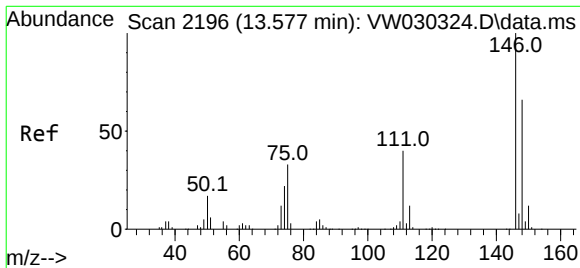
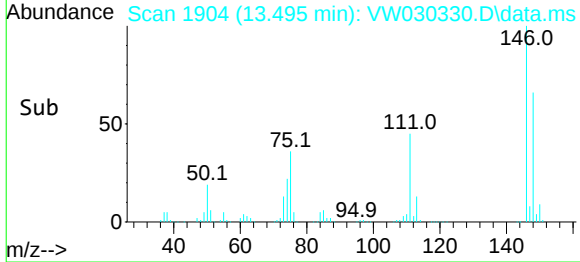
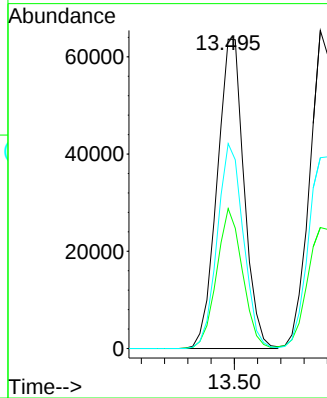


#64
1,3-Dichlorobenzene
Concen: 22.954 ug/L
RT: 13.495 min Scan# 1916
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Instrument :
MSVOA_W
ClientSampleId :
A4E69DL

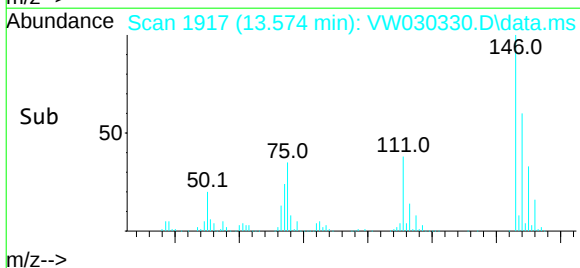
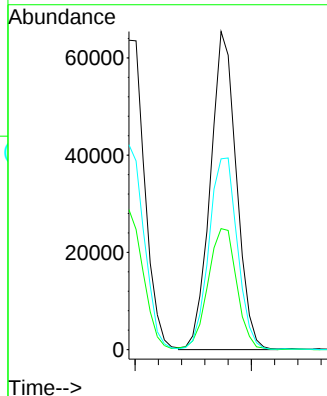
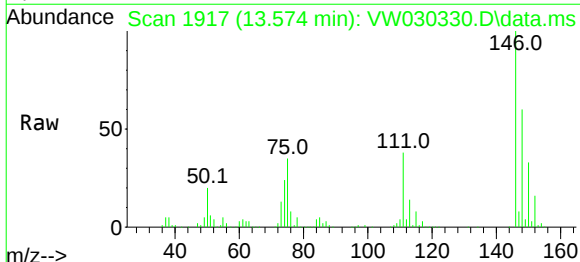


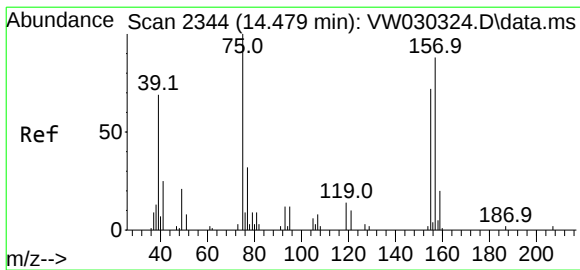
Tgt Ion:146 Resp: 102348
Ion Ratio Lower Upper
146 100
111 45.2 33.2 61.6
148 66.2 50.4 93.6



#65
1,4-Dichlorobenzene
Concen: 22.434 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion:146 Resp: 102185
Ion Ratio Lower Upper
146 100
111 38.0 29.1 54.1
148 60.0 42.1 78.1

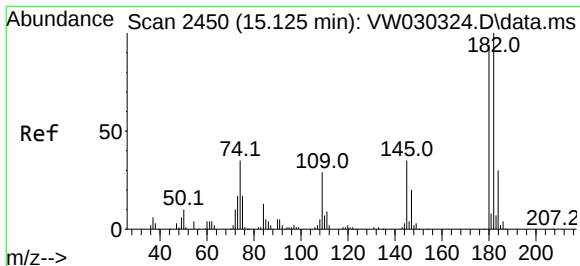
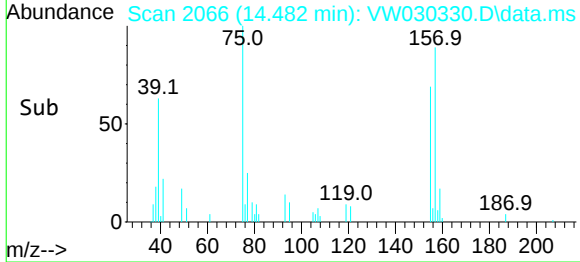
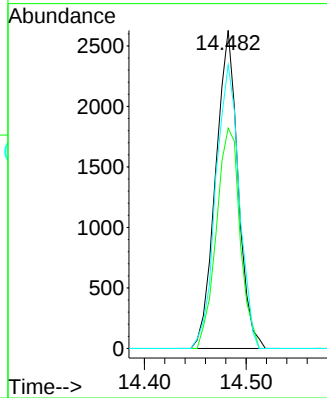
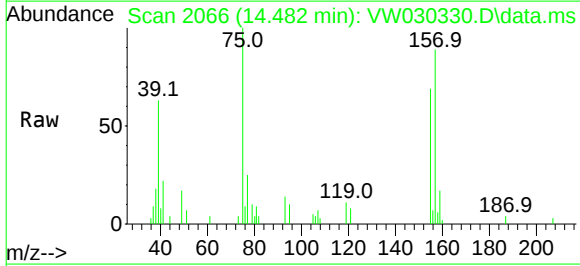




#68
1,2-Dibromo-3-chloropropane
Concen: 13.155 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Instrument :
MSVOA_W
ClientSampleId :
A4E69DL

Tgt Ion:	75	Resp:	4028
Ion	Ratio	Lower	Upper
75	100		
155	69.3	60.1	90.1
157	89.2	74.3	111.5



#70
1,2,4-trichlorobenzene
Concen: 11.728 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.003 min
Lab File: VW030330.D
Acq: 02 Oct 2024 16:29

Tgt Ion:	180	Resp:	29882
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.2	115.8
145	32.8	25.3	37.9

