

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060624\
 Data File : VW029026.D
 Acq On : 06 Jun 2024 10:18
 Operator : SY/MD
 Sample : P2696-16
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4DF9

Quant Time: Jun 07 00:22:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 07 00:21:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	313862	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	295778	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	146850	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	122653	24.599	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.400%
7) Chloroethane-d5	2.899	69	95823	25.027	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.120%
11) 1,1-Dichloroethene-d2	4.015	65	55082	25.134	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.520%
21) 2-Butanone-d5	7.075	46	66685	65.458	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.920%
24) Chloroform-d	7.648	84	259295	28.958	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.840%
26) 1,2-Dichloroethane-d4	8.307	65	131540	27.904	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.600%
32) Benzene-d6	8.270	84	470560	25.920	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.680%
36) 1,2-Dichloropropane-d6	9.270	67	144460	26.245	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.000%
41) Toluene-d8	10.325	98	429763	26.528	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.120%
43) trans-1,3-Dichloroprop...	10.575	79	57865	27.359	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.440%
47) 2-Hexanone-d5	10.922	63	47002	64.708	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.420%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	118661	31.032	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.120%#
66) 1,2-Dichlorobenzene-d4	13.848	152	140046	26.875	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.480%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.045	96	157526	39.706	ug/L	87
13) Acetone	4.118	43	80607	75.503	ug/L	99
16) Methylene chloride	4.917	84	352166	74.761	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	125439	29.000	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	265517	44.019	ug/L	100
19) 1,1-Dichloroethane	6.216	63	713091	83.852	ug/L	99
22) 2-Butanone	7.167	43	320642	249.244	ug/L	97
25) Chloroform	7.673	83	708953	85.833	ug/L	99
31) Carbon tetrachloride	8.069	117	95721	15.334	ug/L	97
33) Benzene	8.325	78	1130874	61.489	ug/L	100
34) Trichloroethene	9.087	95	439131	90.821	ug/L	96
37) 1,2-Dichloropropane	9.367	63	170329	35.366	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	433041	61.870	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	421135	171.914	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	408132	72.330	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	158883	48.847	ug/L	97
50) 1,2-Dibromoethane	11.233	107	140361	47.271	ug/L	94
53) m,p-Xylene	11.830	106	376310	47.594	ug/L	96
54) o-Xylene	12.160	106	468113	63.939	ug/L	97

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

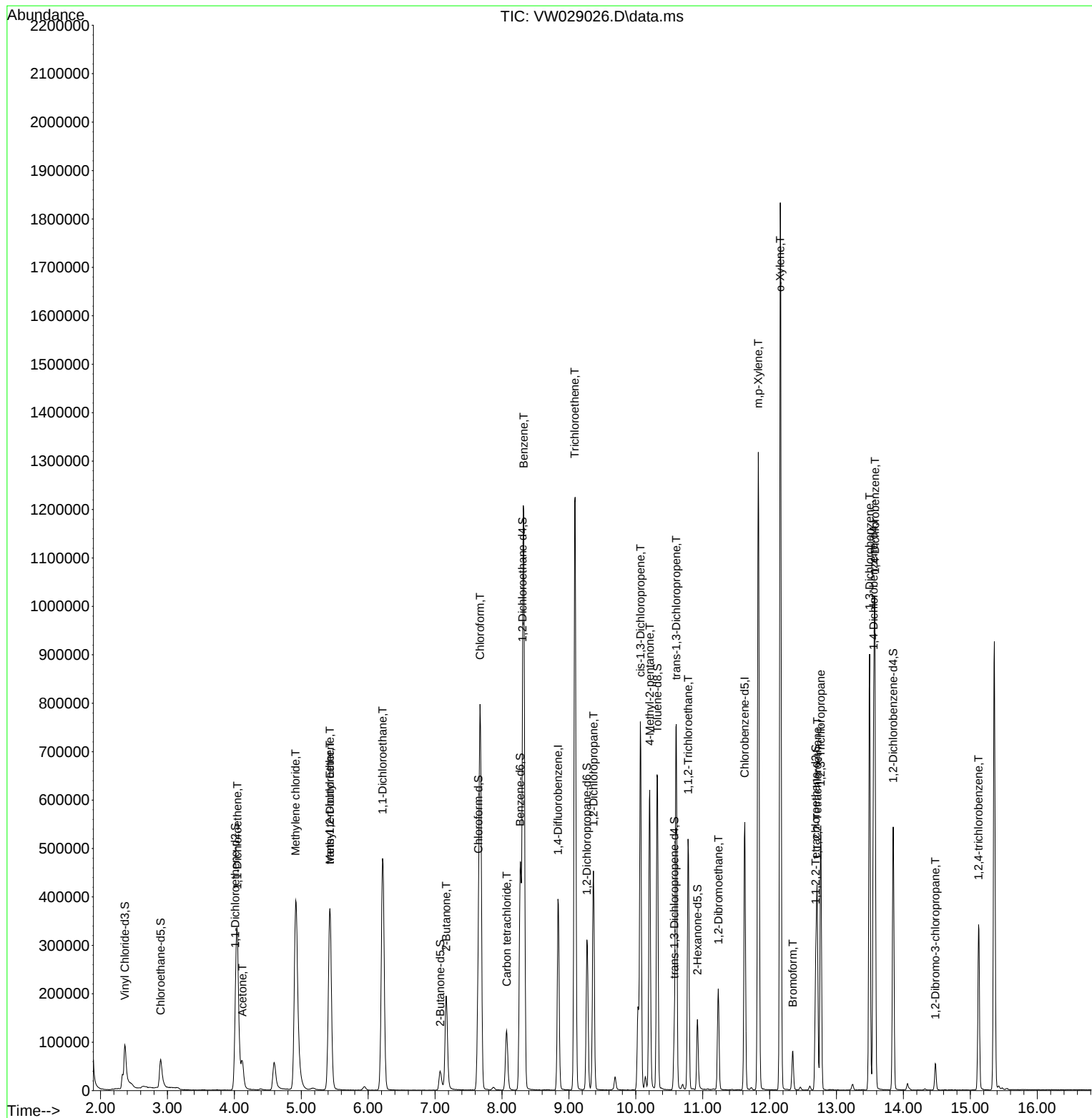
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	193863	52.797	ug/L	98
59) Bromoform	12.349	173	36233	19.188	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	219785	79.344	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	346267	38.771	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	339410	36.387	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.476	75	14248	24.133	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	108819	21.895	ug/L	95

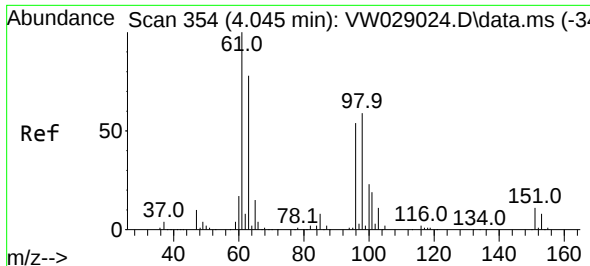
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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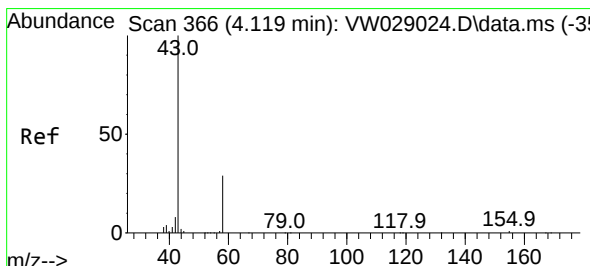
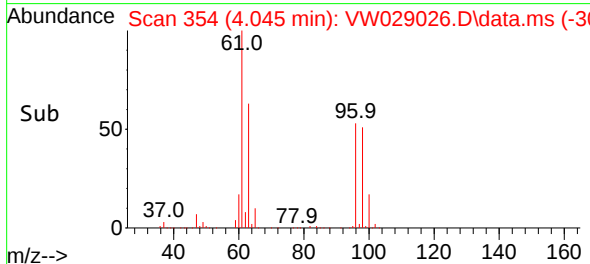
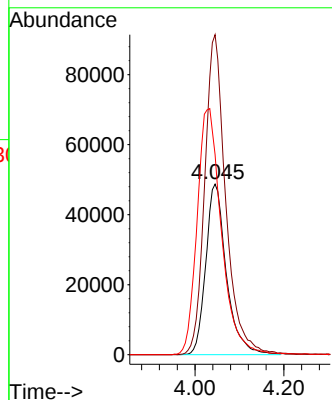
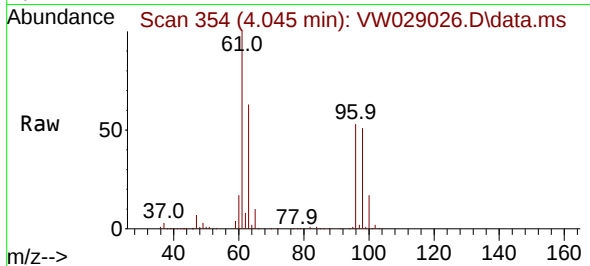




#12
1,1-Dichloroethene
Concen: 39.706 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

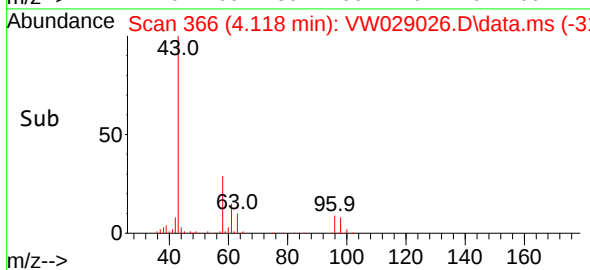
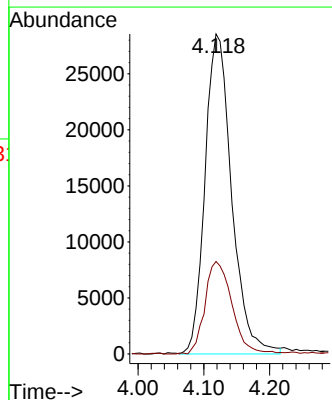
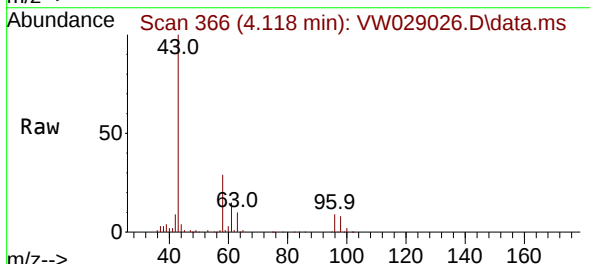
Instrument :
MSVOA_W
ClientSampleId :
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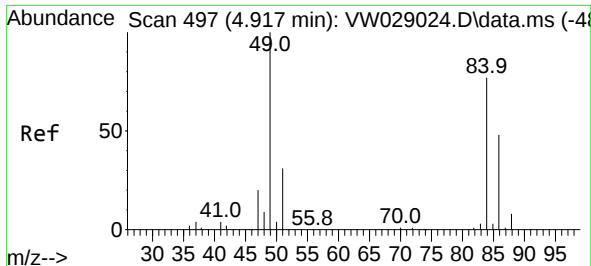
Tgt Ion: 96 Resp: 157526
Ion Ratio Lower Upper
96 100
61 187.7 132.2 245.4
63 117.4 108.4 201.2



#13
Acetone
Concen: 75.503 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

Tgt Ion: 43 Resp: 80607
Ion Ratio Lower Upper
43 100
58 29.0 0.0 59.4

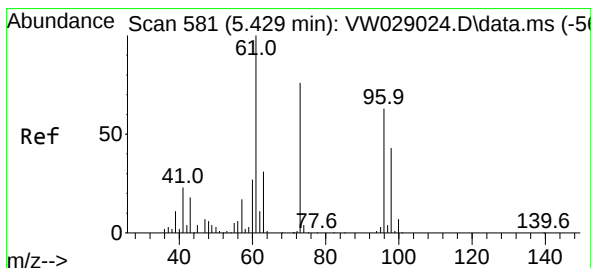
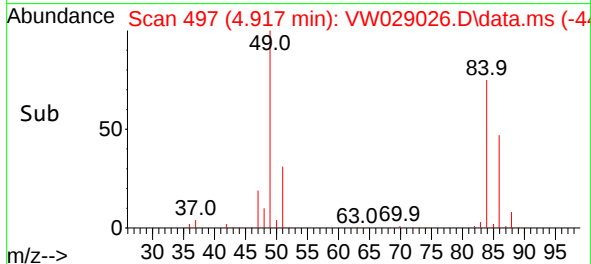
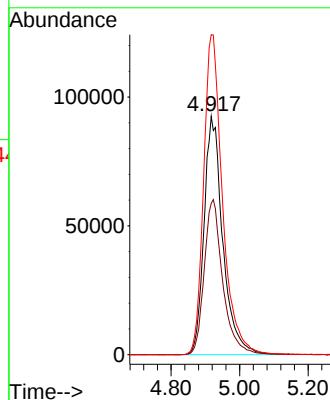
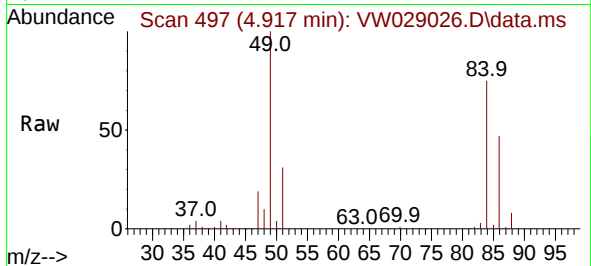




#16
Methylene chloride
Concen: 74.761 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

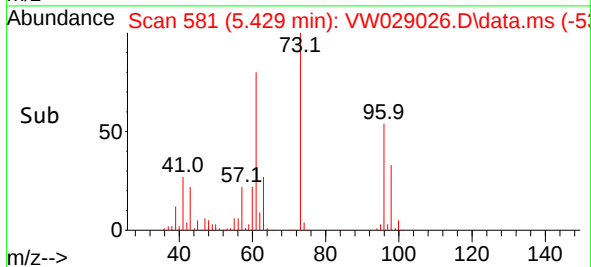
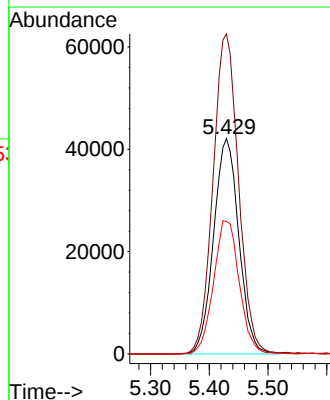
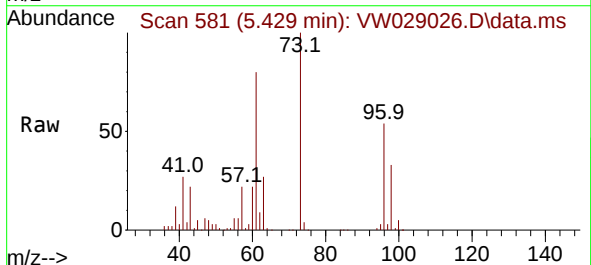
Instrument :
MSVOA_W
ClientSampleId :
A4DF9

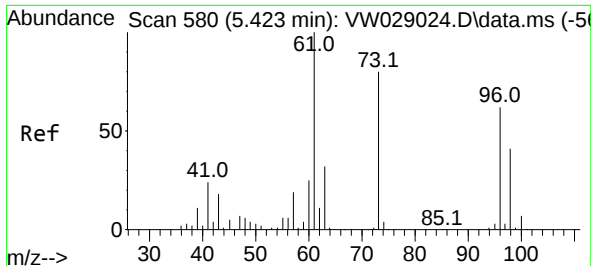
Tgt Ion: 84 Resp: 352166
Ion Ratio Lower Upper
84 100
86 63.5 43.8 81.4
49 134.2 91.3 169.5



#17
trans-1,2-Dichloroethene
Concen: 29.000 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

Tgt Ion: 96 Resp: 125439
Ion Ratio Lower Upper
96 100
61 148.6 104.6 194.2
98 61.4 44.0 81.8

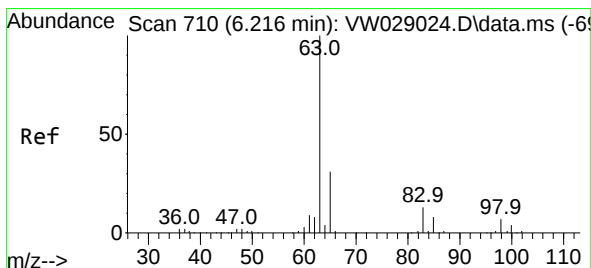
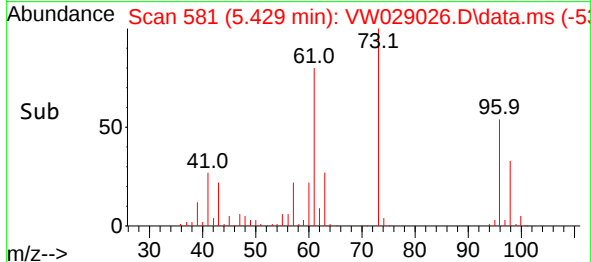
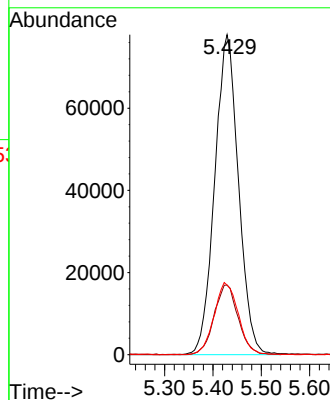
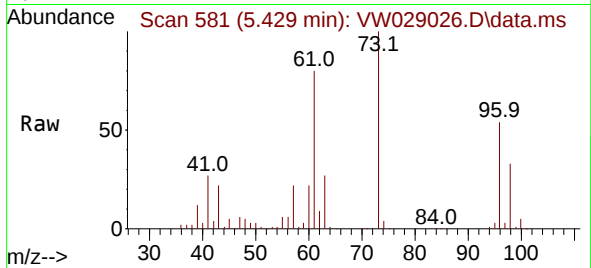




#18
Methyl tert-butyl Ether
Concen: 44.019 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

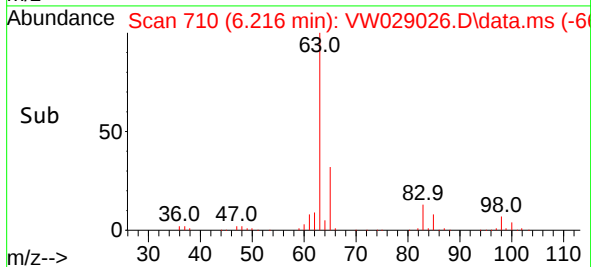
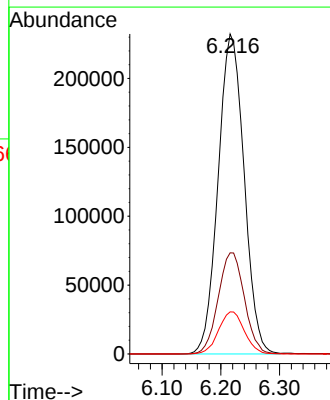
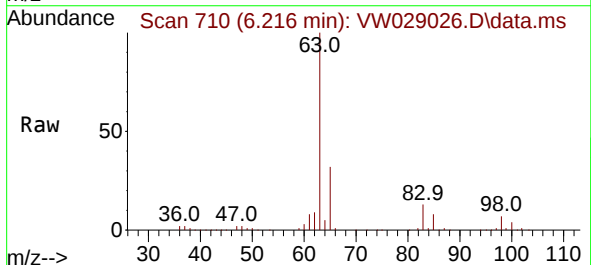
Instrument :
MSVOA_W
ClientSampleId :
A4DF9

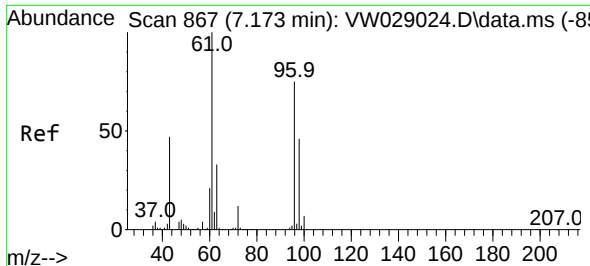
Tgt Ion: 73 Resp: 265517
Ion Ratio Lower Upper
73 100
43 21.8 17.8 26.6
57 23.0 18.4 27.6



#19
1,1-Dichloroethane
Concen: 83.852 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.000 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

Tgt Ion: 63 Resp: 713091
Ion Ratio Lower Upper
63 100
65 31.6 21.8 40.6
83 13.2 8.8 16.3

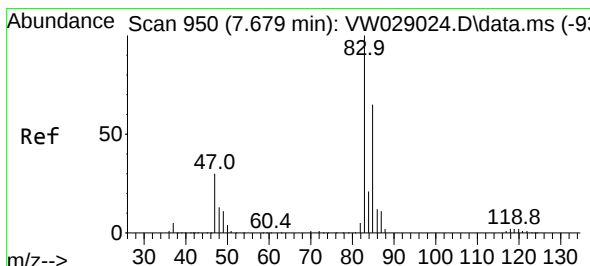
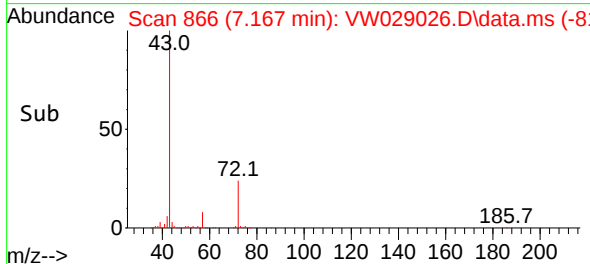
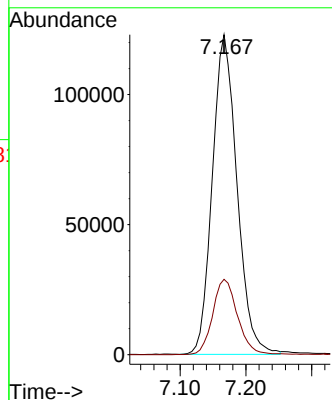
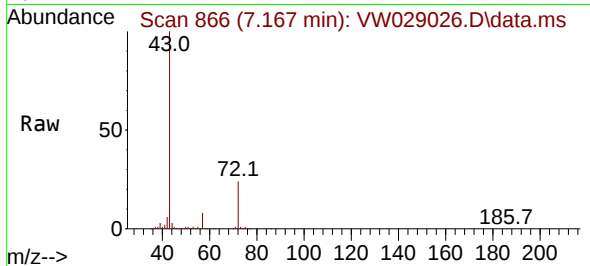




#22
2-Butanone
Concen: 249.244 ug/L
RT: 7.167 min Scan# 80
Delta R.T. -0.006 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

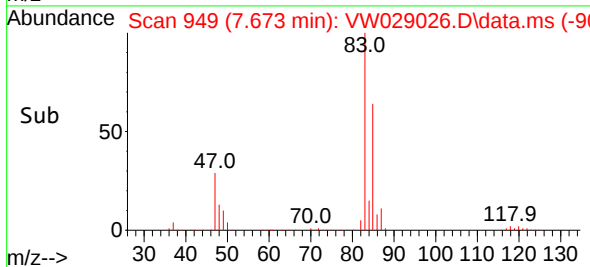
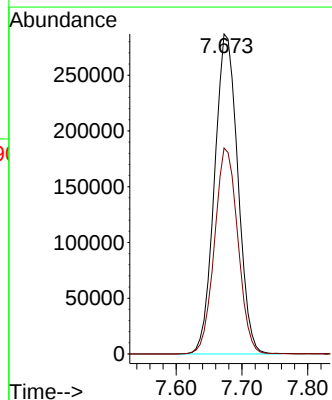
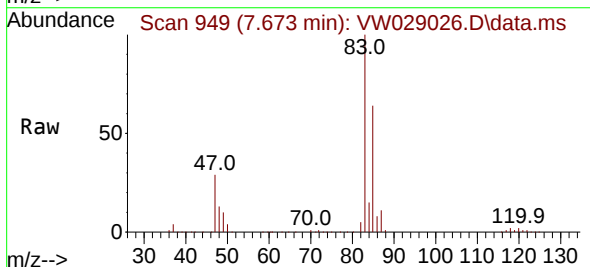
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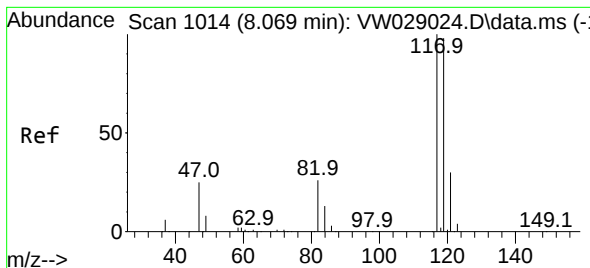
Tgt Ion: 43 Resp: 320642
Ion Ratio Lower Upper
43 100
72 23.5 12.5 37.5



#25
Chloroform
Concen: 85.833 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

Tgt Ion: 83 Resp: 708953
Ion Ratio Lower Upper
83 100
85 64.4 45.8 85.2





#31

Carbon tetrachloride

Concen: 15.334 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

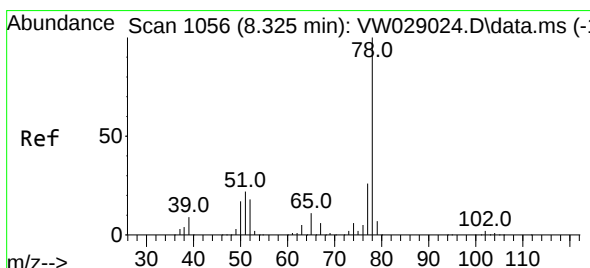
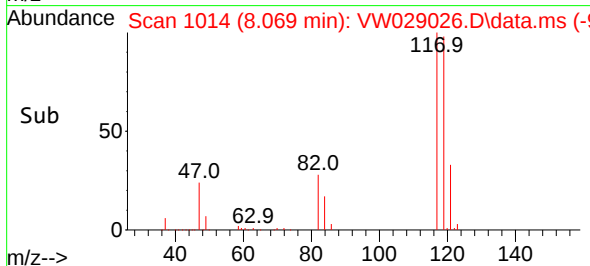
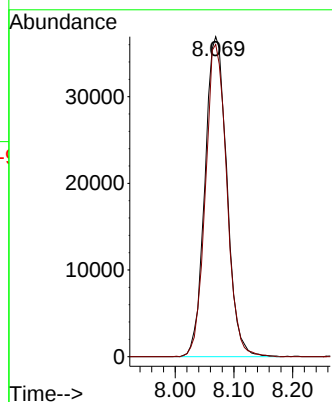
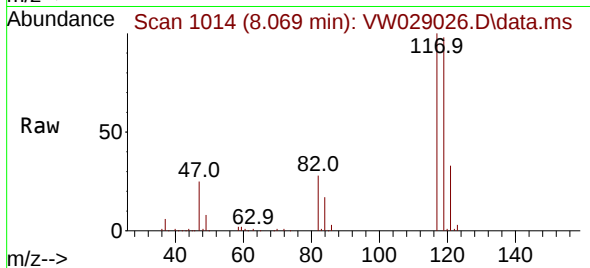
A4DF9

Tgt Ion:117 Resp: 95721

Ion Ratio Lower Upper

117 100

119 95.1 78.8 118.2



#33

Benzene

Concen: 61.489 ug/L

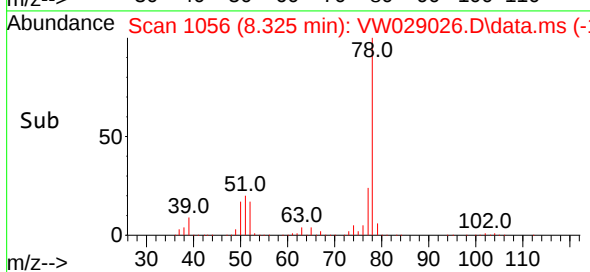
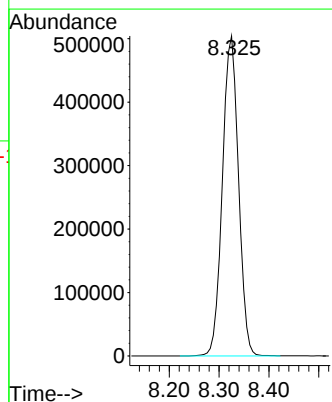
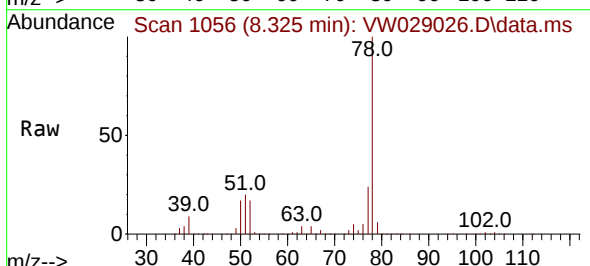
RT: 8.325 min Scan# 1056

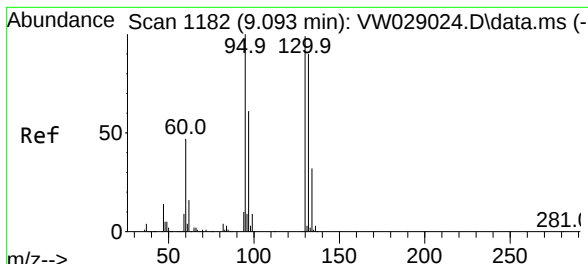
Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Tgt Ion: 78 Resp: 1130874





#34

Trichloroethene

Concen: 90.821 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

A4DF9

Tgt Ion: 95 Resp: 439131

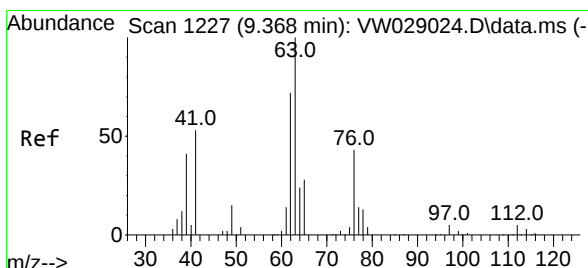
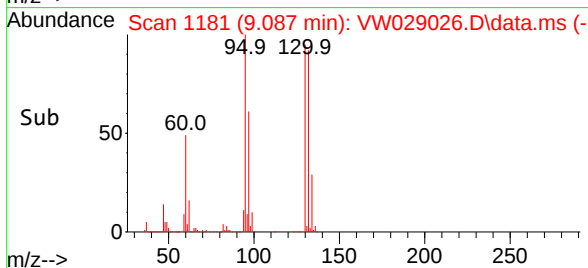
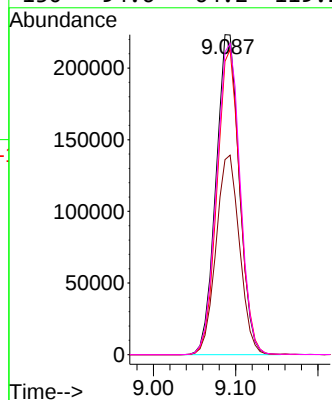
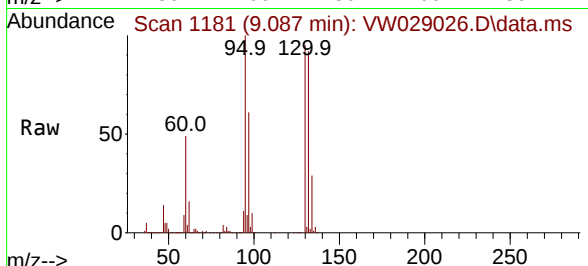
Ion Ratio Lower Upper

95 100

97 60.9 41.9 77.7

132 91.7 60.1 111.5

130 94.6 64.2 119.2



#37

1,2-Dichloropropane

Concen: 35.366 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW029026.D

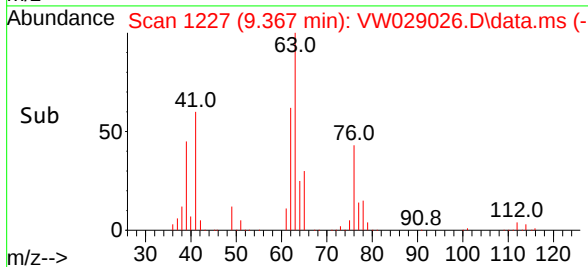
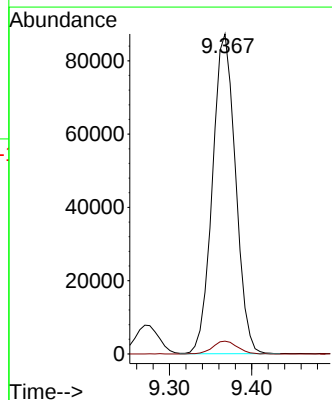
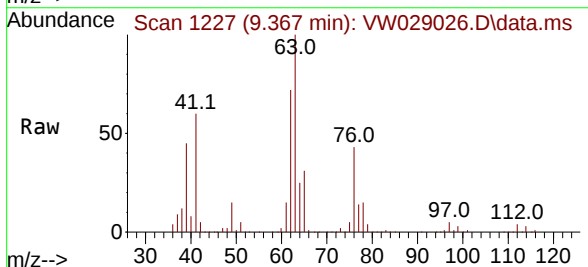
Acq: 06 Jun 2024 10:18

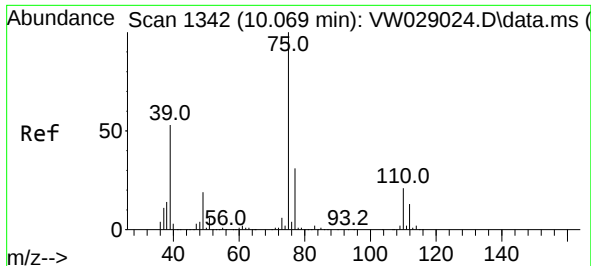
Tgt Ion: 63 Resp: 170329

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4





#39

cis-1,3-Dichloropropene

Concen: 61.870 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

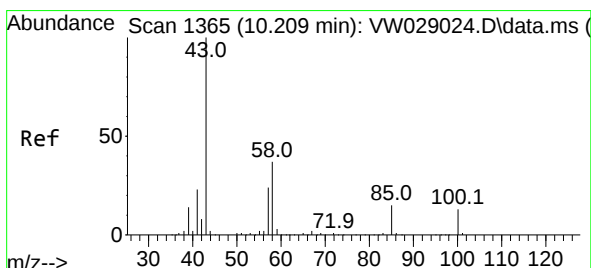
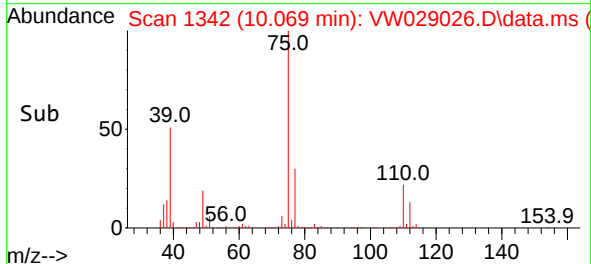
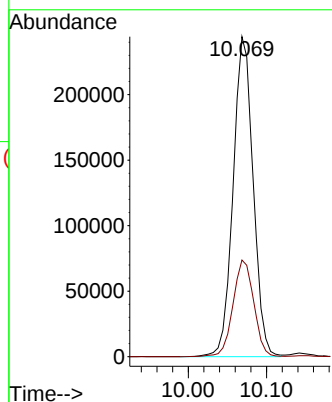
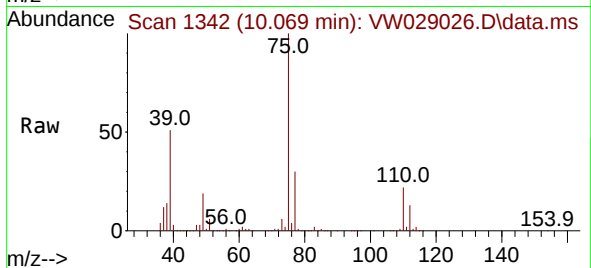
A4DF9

Tgt Ion: 75 Resp: 433041

Ion Ratio Lower Upper

75 100

77 30.2 21.0 39.0



#40

4-Methyl-2-pentanone

Concen: 171.914 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

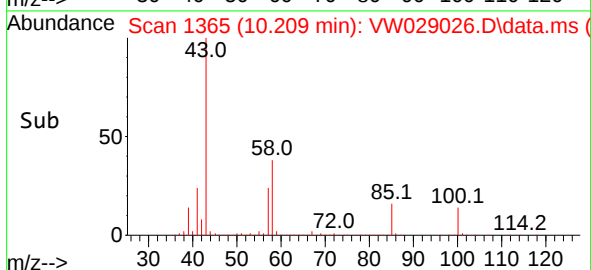
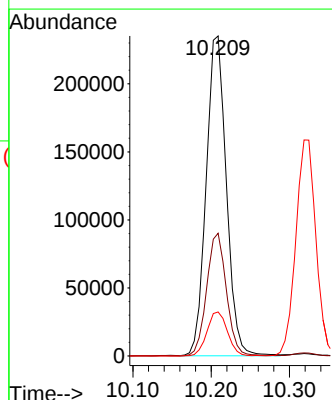
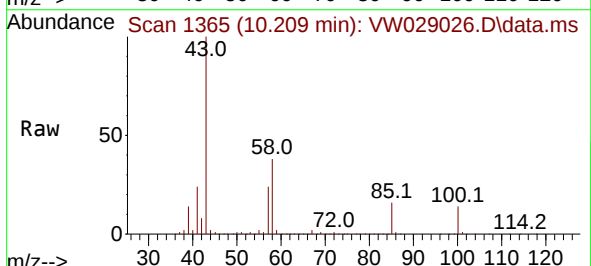
Tgt Ion: 43 Resp: 421135

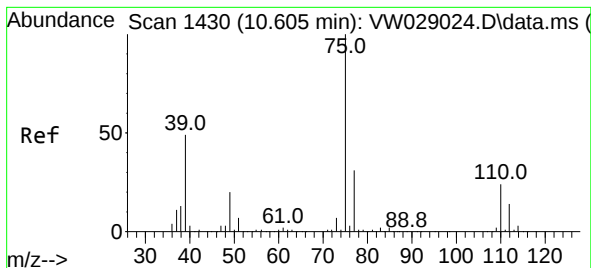
Ion Ratio Lower Upper

43 100

58 37.5 30.3 45.5

100 14.0 10.7 16.1





#44

trans-1,3-Dichloropropene

Concen: 72.330 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

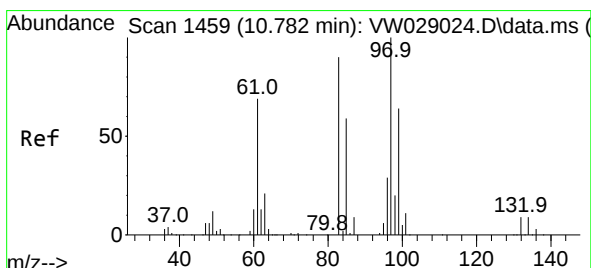
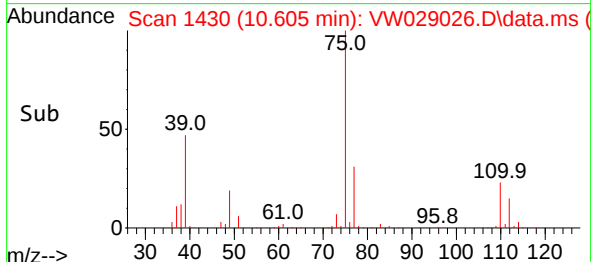
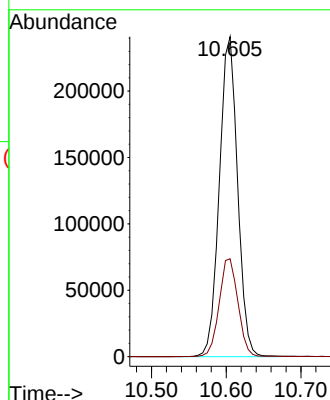
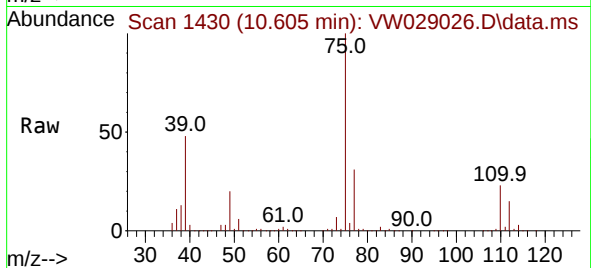
A4DF9

Tgt Ion: 75 Resp: 408132

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



#45

1,1,2-Trichloroethane

Concen: 48.847 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Tgt Ion: 97 Resp: 158883

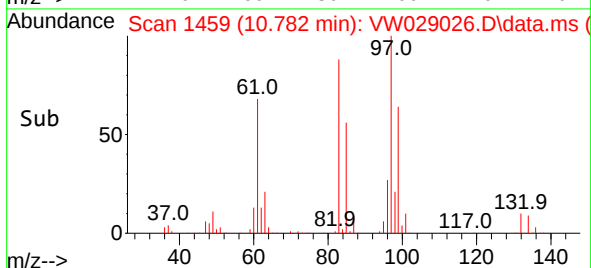
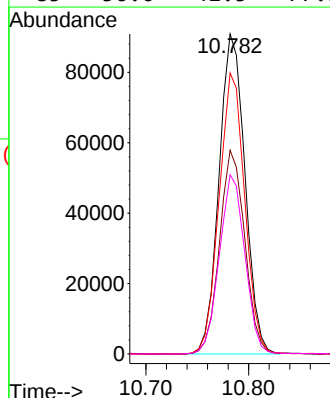
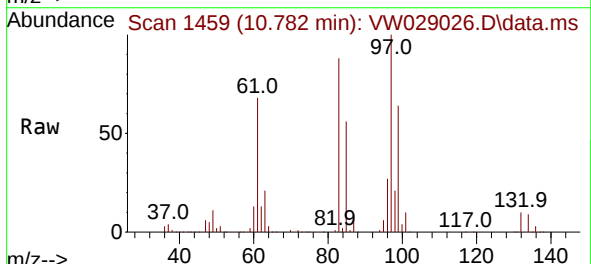
Ion Ratio Lower Upper

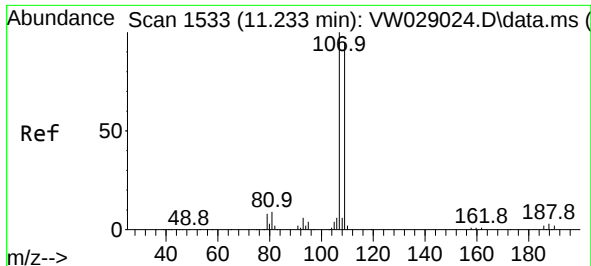
97 100

99 63.6 41.8 77.6

83 87.8 62.4 115.8

85 56.0 41.5 77.1

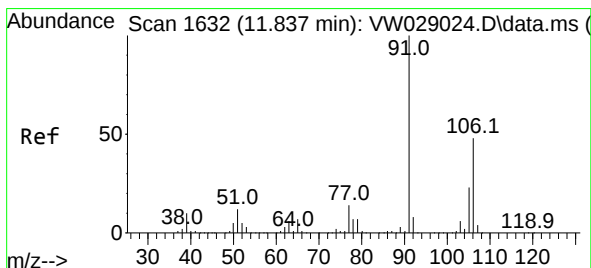
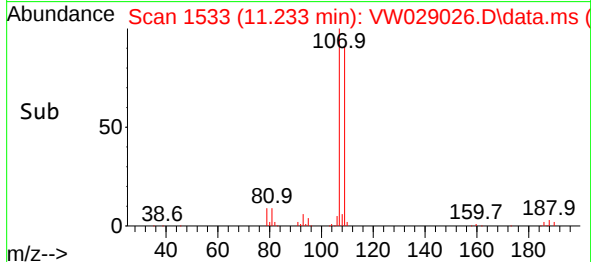
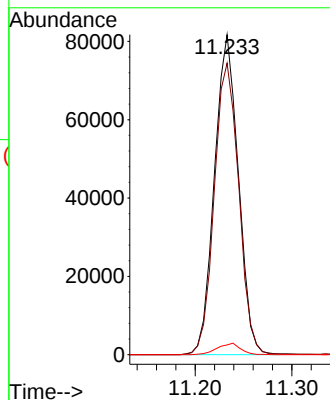
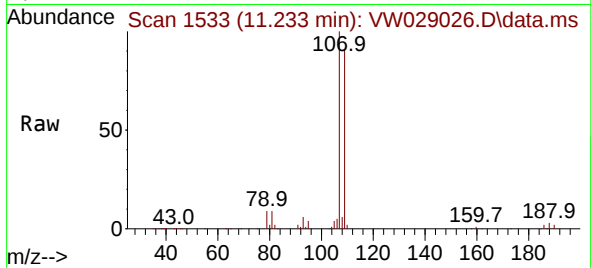




#50
1,2-Dibromoethane
Concen: 47.271 ug/L
RT: 11.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

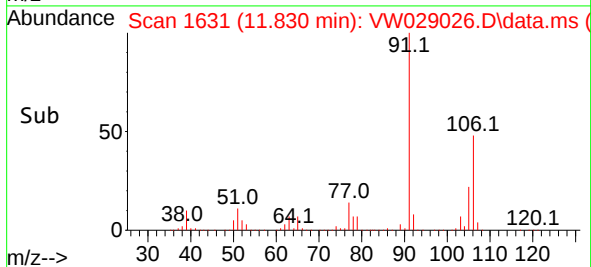
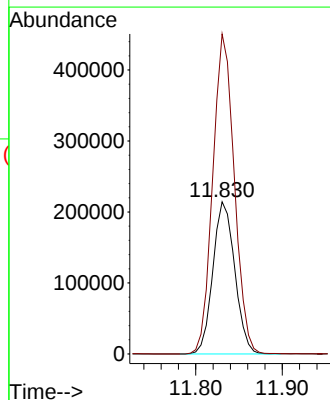
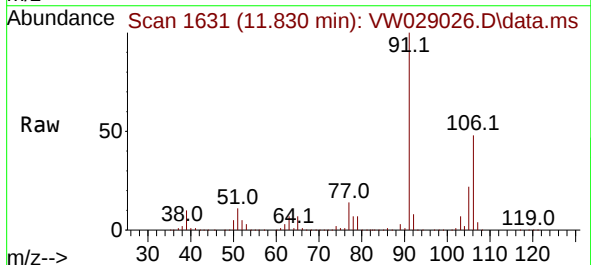
Instrument :
MSVOA_W
ClientSampleId :
A4DF9

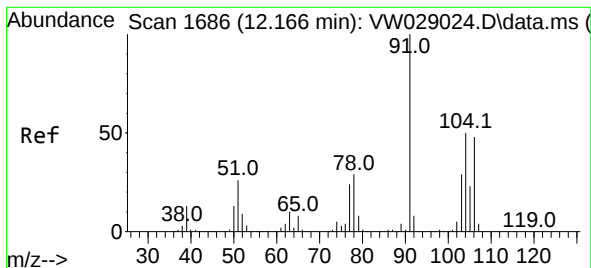
Tgt Ion:107 Resp: 140361
Ion Ratio Lower Upper
107 100
109 91.1 67.9 126.1
188 3.1 3.0 4.4



#53
m,p-Xylene
Concen: 47.594 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029026.D
Acq: 06 Jun 2024 10:18

Tgt Ion:106 Resp: 376310
Ion Ratio Lower Upper
106 100
91 210.2 152.0 282.2





#54

o-Xylene

Concen: 63.939 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

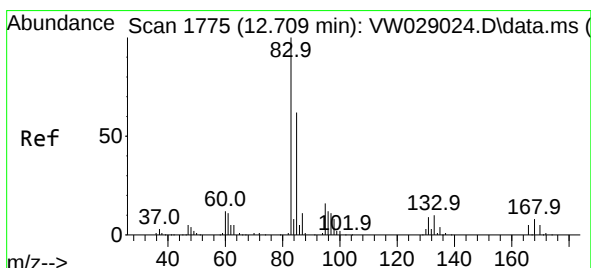
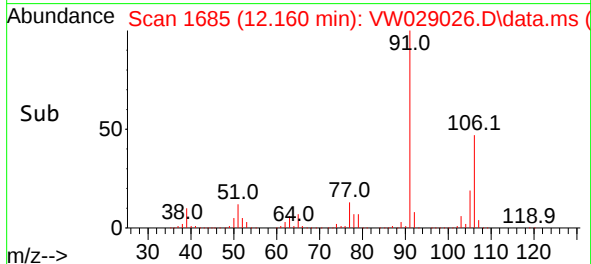
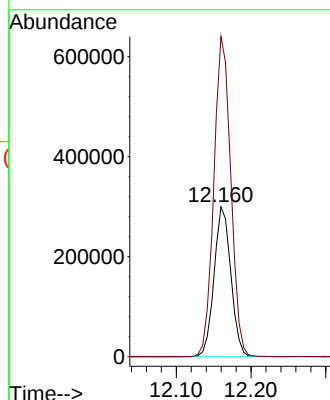
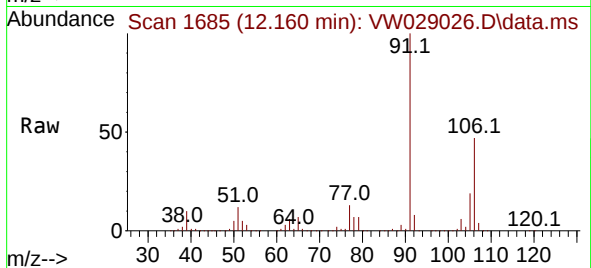
A4DF9

Tgt Ion:106 Resp: 468113

Ion Ratio Lower Upper

106 100

91 213.7 152.5 283.3



#57

1,1,2,2-Tetrachloroethane

Concen: 52.797 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

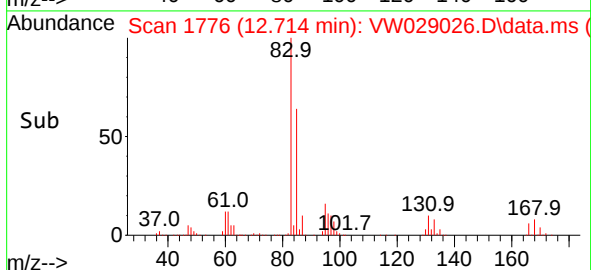
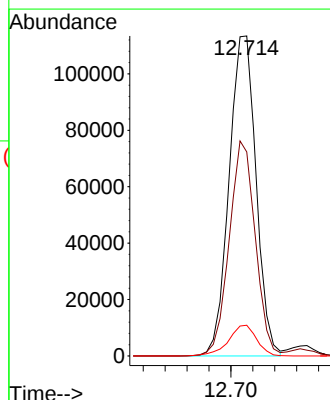
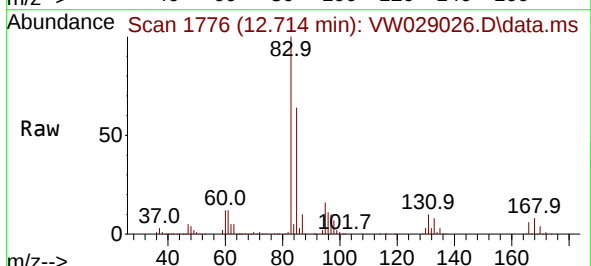
Tgt Ion: 83 Resp: 193863

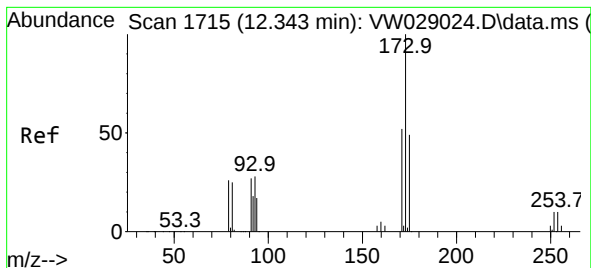
Ion Ratio Lower Upper

83 100

85 63.8 43.8 81.3

131 9.6 7.3 10.9





#59

Bromoform

Concen: 19.188 ug/L

RT: 12.349 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

A4DF9

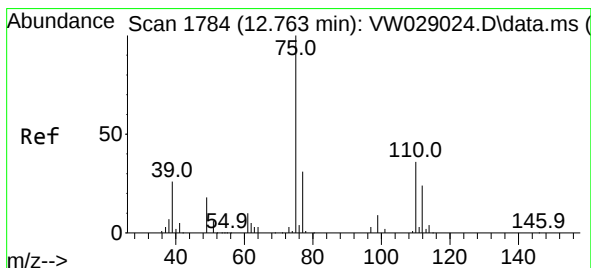
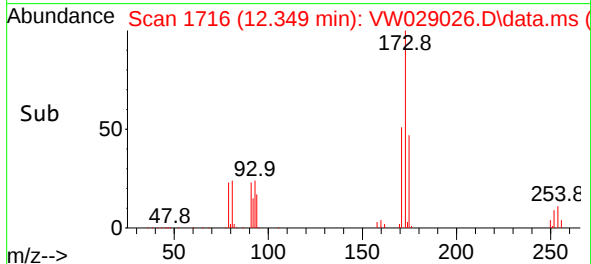
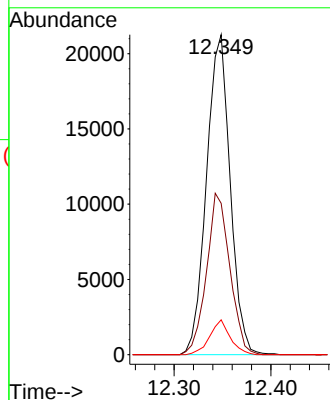
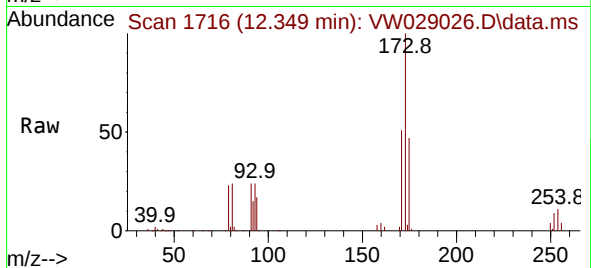
Tgt Ion:173 Resp: 36233

Ion Ratio Lower Upper

173 100

175 49.6 38.1 57.1

254 9.4 8.2 12.2



#61

1,2,3-Trichloropropane

Concen: 79.344 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

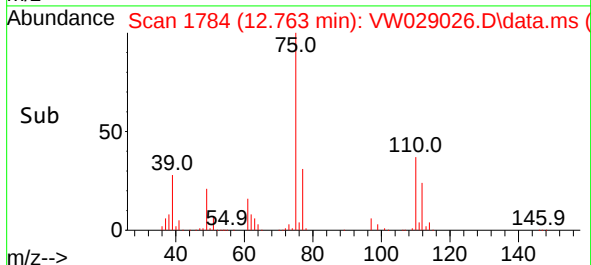
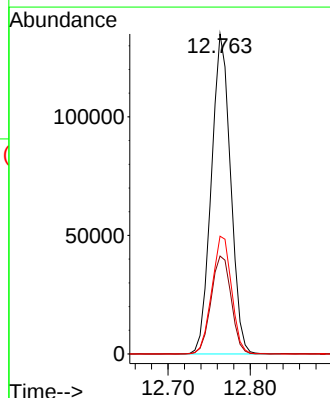
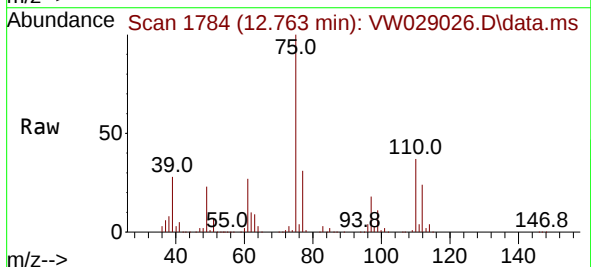
Tgt Ion: 75 Resp: 219785

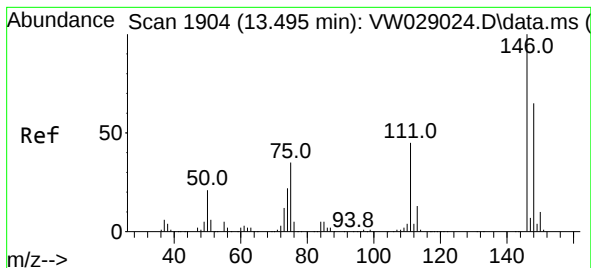
Ion Ratio Lower Upper

75 100

77 32.0 26.3 39.5

110 37.7 29.4 44.0





#64

1,3-Dichlorobenzene

Concen: 38.771 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

A4DF9

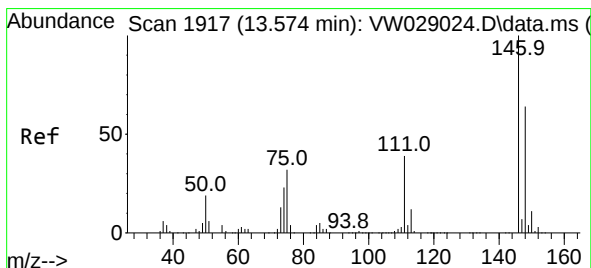
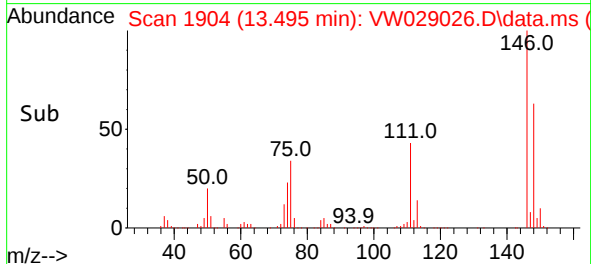
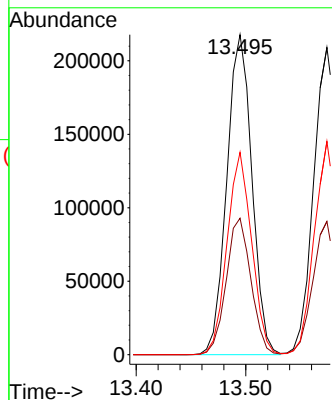
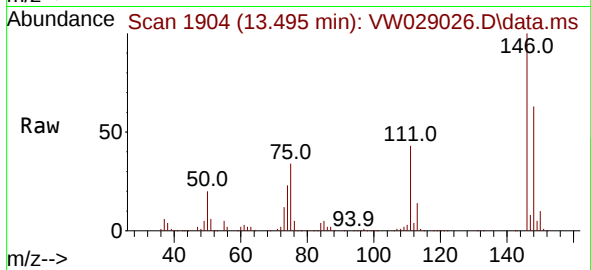
Tgt Ion:146 Resp: 346267

Ion Ratio Lower Upper

146 100

111 42.6 29.4 54.6

148 63.2 42.5 78.9



#65

1,4-Dichlorobenzene

Concen: 36.387 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

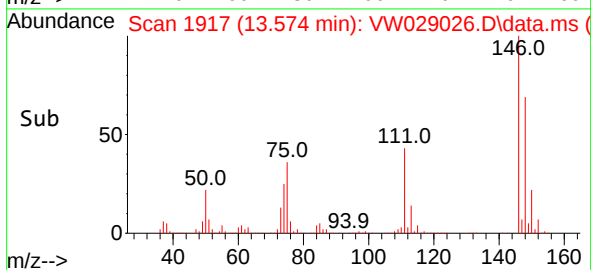
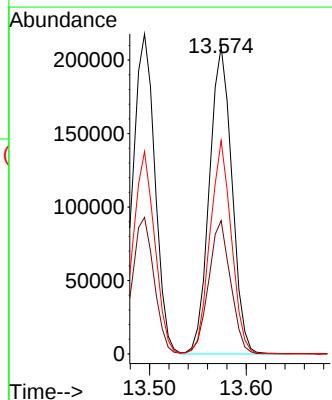
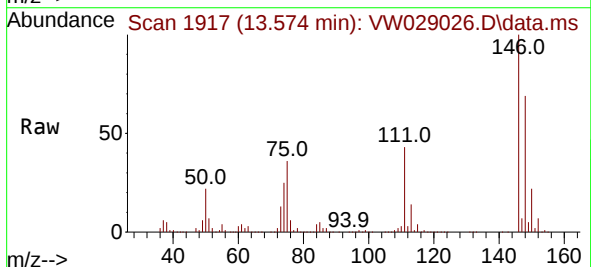
Tgt Ion:146 Resp: 339410

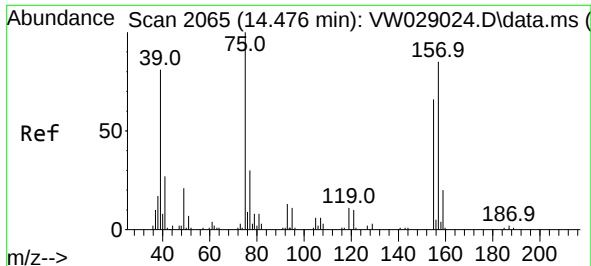
Ion Ratio Lower Upper

146 100

111 43.4 27.5 51.1

148 69.5 39.5 73.3





#68

1,2-Dibromo-3-chloropropane

Concen: 24.133 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Instrument :

MSVOA_W

ClientSampleId :

A4DF9

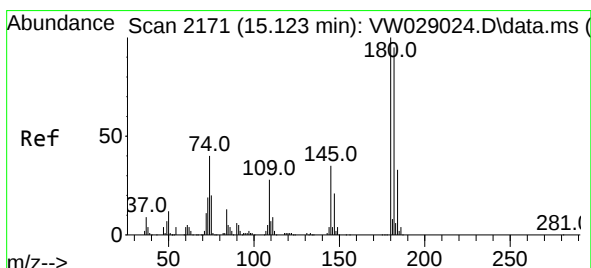
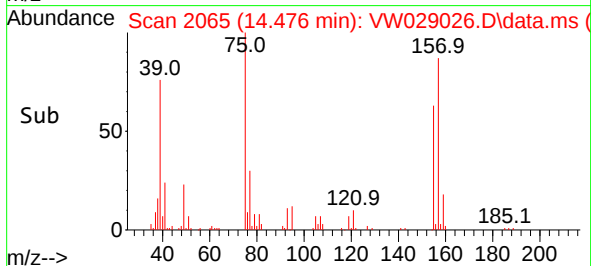
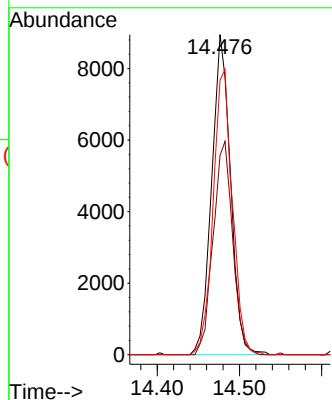
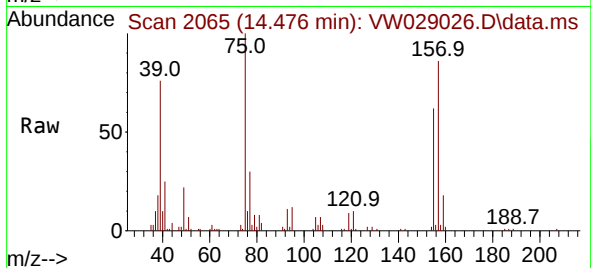
Tgt Ion: 75 Resp: 14248

Ion Ratio Lower Upper

75 100

155 62.3 52.3 78.5

157 85.7 71.0 106.4



#70

1,2,4-trichlorobenzene

Concen: 21.895 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW029026.D

Acq: 06 Jun 2024 10:18

Tgt Ion:180 Resp: 108819

Ion Ratio Lower Upper

180 100

182 88.4 75.3 112.9

145 30.5 26.2 39.2

