

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061224\
 Data File : VW029109.D
 Acq On : 12 Jun 2024 16:02
 Operator : SY/MD
 Sample : P2844-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4DG1DL

Quant Time: Jun 13 00:51:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 13 00:47:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	301469	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	281346	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	126980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	94231	19.676	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.720%
7) Chloroethane-d5	2.899	69	74418	20.235	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.960%
11) 1,1-Dichloroethene-d2	4.021	65	42012	19.958	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.840%
21) 2-Butanone-d5	7.075	46	54905	56.111	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.220%
24) Chloroform-d	7.654	84	202941	23.596	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	8.307	65	108605	23.985	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.960%
32) Benzene-d6	8.276	84	381754	22.107	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.440%
36) 1,2-Dichloropropane-d6	9.270	67	120607	23.035	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.160%
41) Toluene-d8	10.319	98	339836	22.053	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	10.575	79	46201	22.964	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.840%
47) 2-Hexanone-d5	10.922	63	39017	56.471	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.940%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	95322	26.207	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.840%
66) 1,2-Dichlorobenzene-d4	13.848	152	113159	25.113	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.440%
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	35883	34.993	ug/L	99
16) Methylene chloride	4.923	84	175990	38.897	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	152889	26.389	ug/L	99
22) 2-Butanone	7.167	43	97216	78.675	ug/L	97
25) Chloroform	7.679	83	293075	36.941	ug/L	98
31) Carbon tetrachloride	8.069	117	229508	38.653	ug/L	97
33) Benzene	8.325	78	209978	12.003	ug/L	100
34) Trichloroethene	9.093	95	222744	48.431	ug/L	91
38) Bromodichloromethane	9.642	83	284418	50.906	ug/L	# 99
39) cis-1,3-Dichloropropene	10.075	75	51739	7.771	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	125711	53.950	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	156887	29.230	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	129091	41.723	ug/L	97
49) Dibromochloromethane	11.123	129	76059	23.275	ug/L	97
50) 1,2-Dibromoethane	11.233	107	122065	43.218	ug/L	99
51) Chlorobenzene	11.654	112	193243	16.833	ug/L	95
52) Ethylbenzene	11.727	91	197109	9.707	ug/L	99
53) m,p-Xylene	11.830	106	202445	26.918	ug/L	89
54) o-Xylene	12.166	106	329220	47.275	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061224\
 Data File : VW029109.D
 Acq On : 12 Jun 2024 16:02
 Operator : SY/MD
 Sample : P2844-01DL 2X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4DG1DL

Quant Time: Jun 13 00:51:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 13 00:47:39 2024
 Response via : Initial Calibration

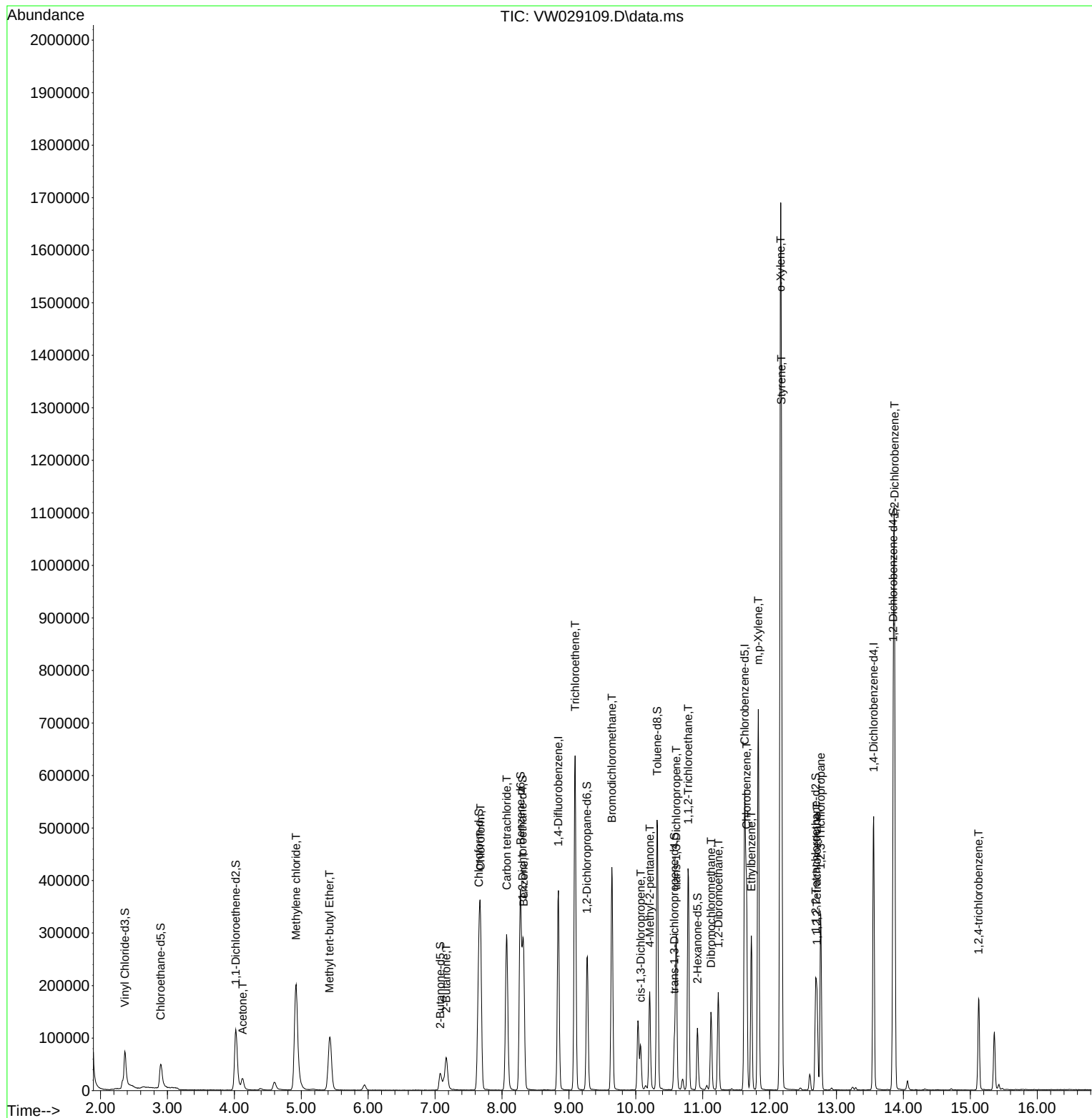
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	12.178	104	400127	33.326	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	76767	21.979	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	136583	57.023	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	353852	51.122	ug/L	95
70) 1,2,4-trichlorobenzene	15.123	180	53376	12.420	ug/L	98

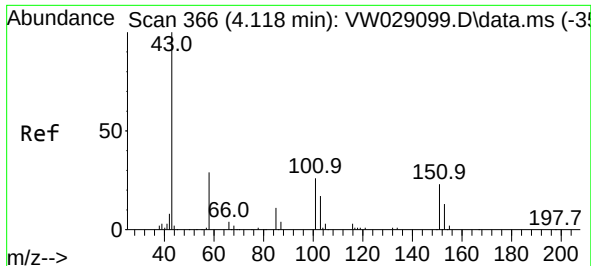
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061224\
Data File : VW029109.D
Acq On : 12 Jun 2024 16:02
Operator : SY/MD
Sample : P2844-01DL 2X
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

Quant Time: Jun 13 00:51:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060324SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 13 00:47:39 2024
Response via : Initial Calibration

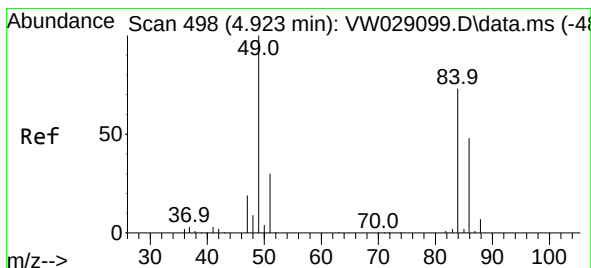
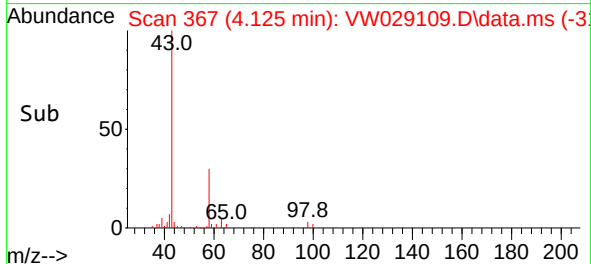
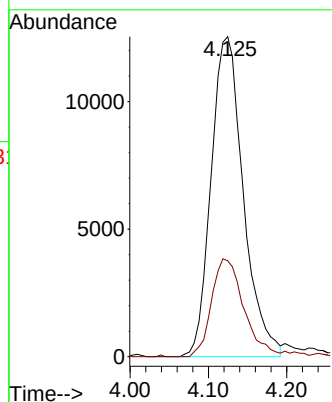
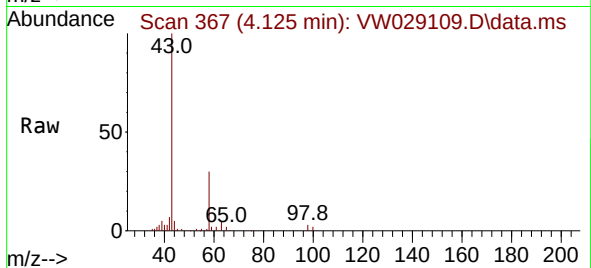




#13
Acetone
Concen: 34.993 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

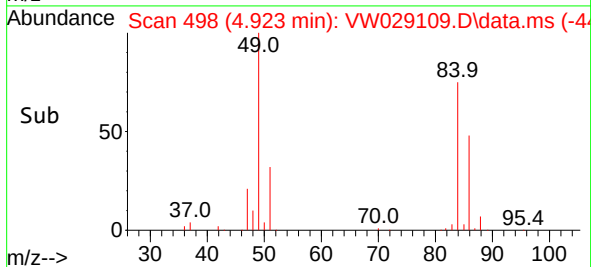
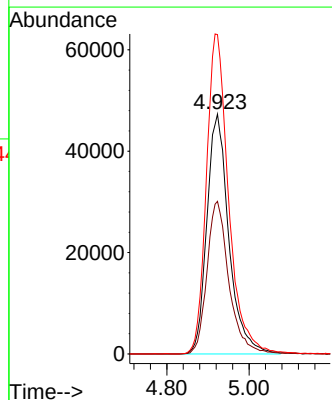
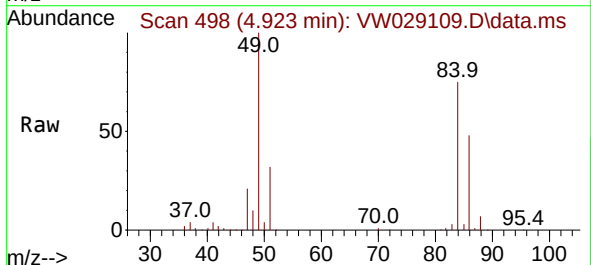
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

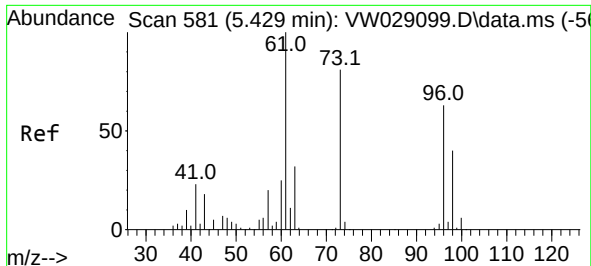
Tgt Ion: 43 Resp: 35883
Ion Ratio Lower Upper
43 100
58 30.5 0.0 59.4



#16
Methylene chloride
Concen: 38.897 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion: 84 Resp: 175990
Ion Ratio Lower Upper
84 100
86 63.6 43.8 81.4
49 133.1 91.3 169.5

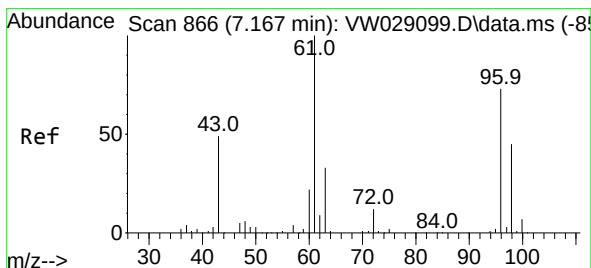
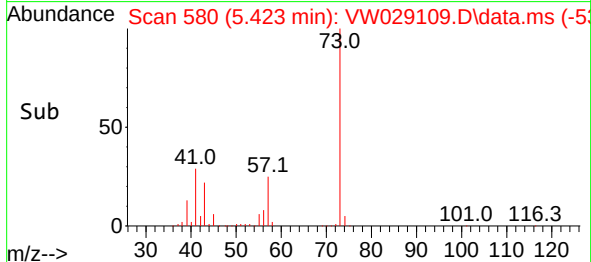
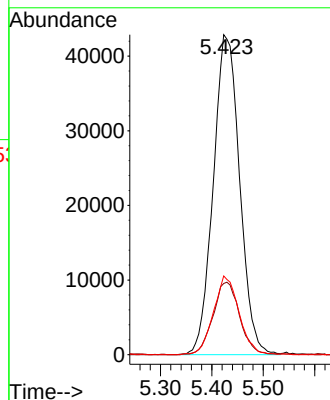
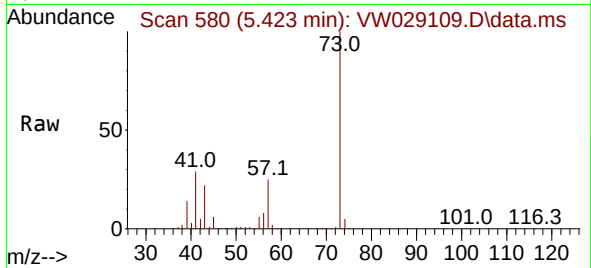




#18
Methyl tert-butyl Ether
Concen: 26.389 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

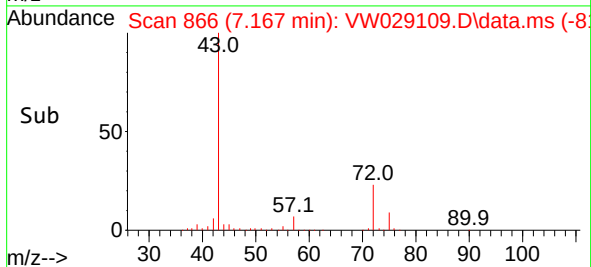
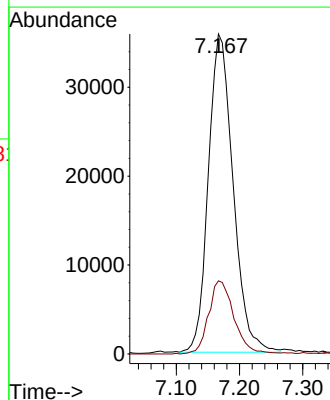
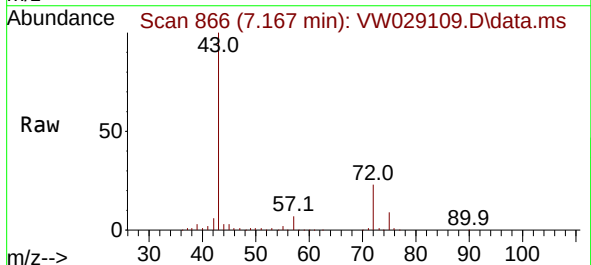
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

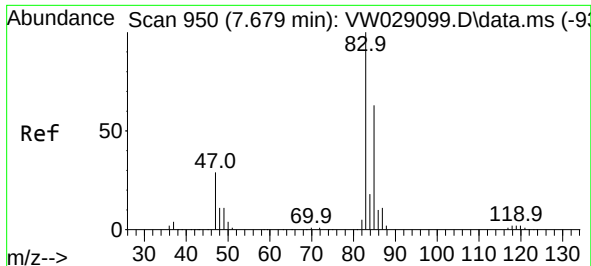
Tgt Ion: 73 Resp: 152889
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.6
57 23.8 18.4 27.6



#22
2-Butanone
Concen: 78.675 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion: 43 Resp: 97216
Ion Ratio Lower Upper
43 100
72 23.5 12.5 37.5

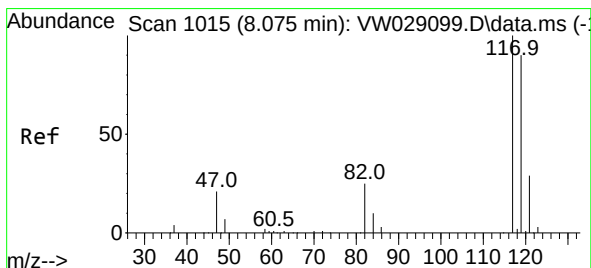
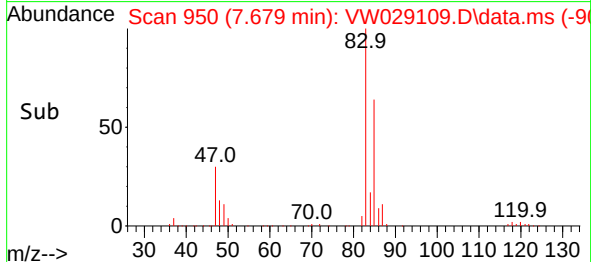
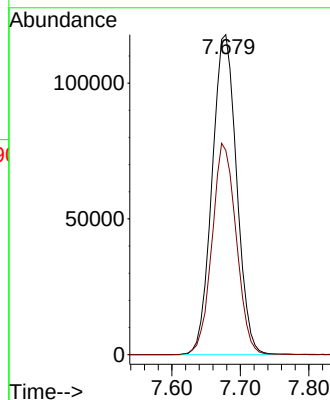
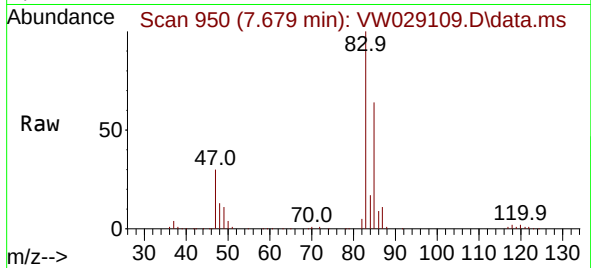




#25
Chloroform
Concen: 36.941 ug/L
RT: 7.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

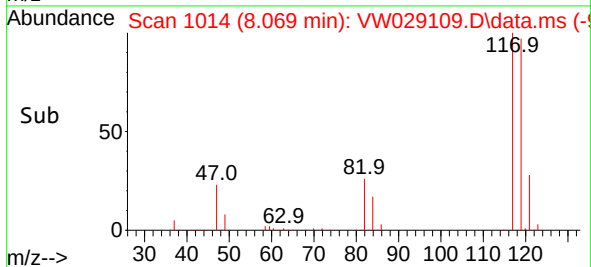
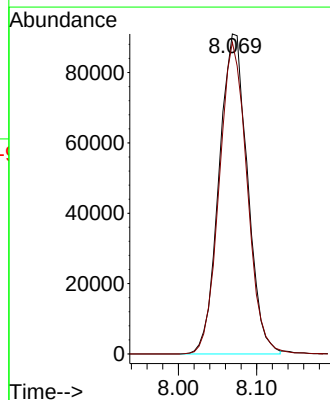
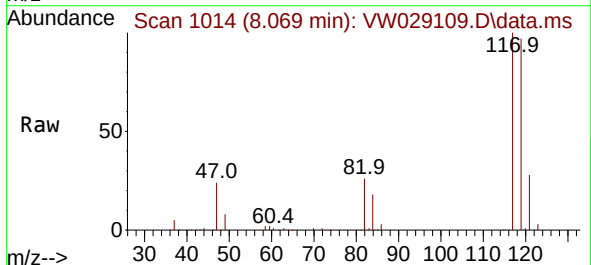
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

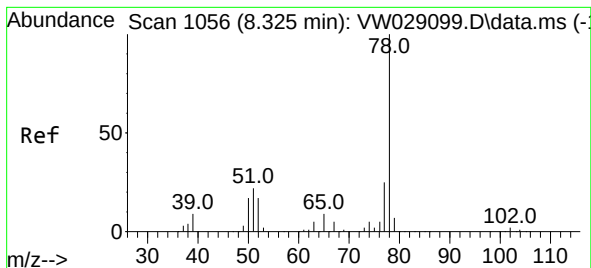
Tgt Ion: 83 Resp: 293075
Ion Ratio Lower Upper
83 100
85 63.8 45.8 85.2



#31
Carbon tetrachloride
Concen: 38.653 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion: 117 Resp: 229508
Ion Ratio Lower Upper
117 100
119 95.5 78.8 118.2





#33

Benzene

Concen: 12.003 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

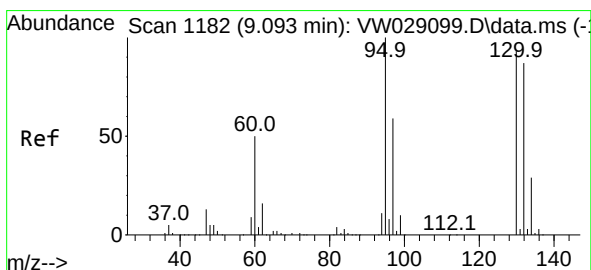
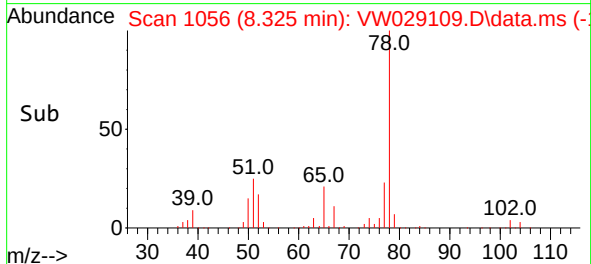
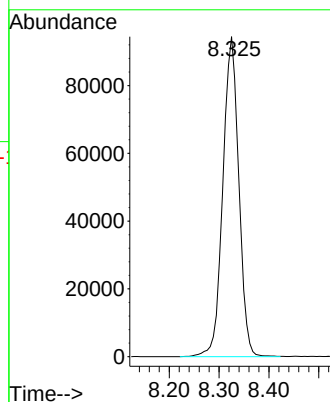
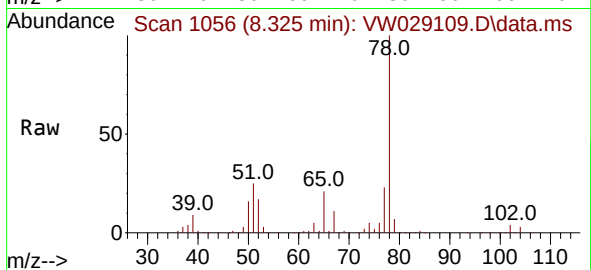
Instrument :

MSVOA_W

ClientSampleId :

A4DG1DL

Tgt Ion: 78 Resp: 209978



#34

Trichloroethene

Concen: 48.431 ug/L

RT: 9.093 min Scan# 1182

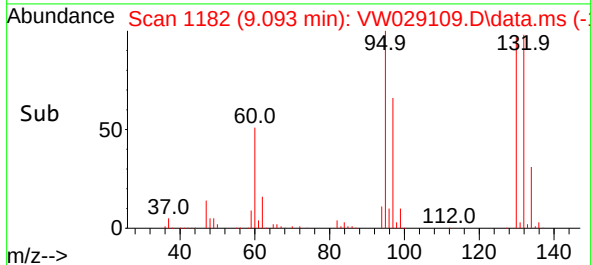
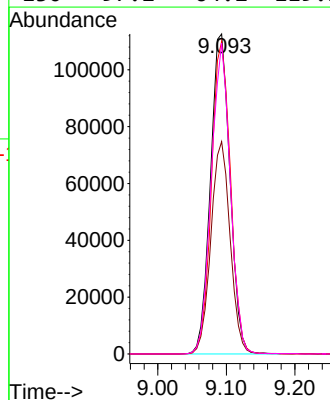
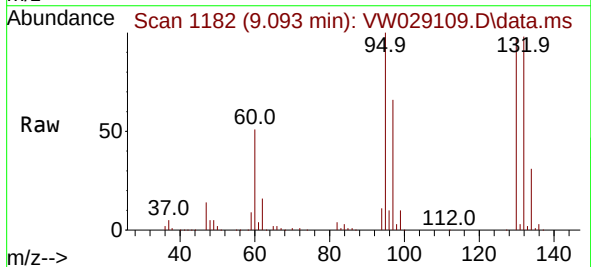
Delta R.T. -0.000 min

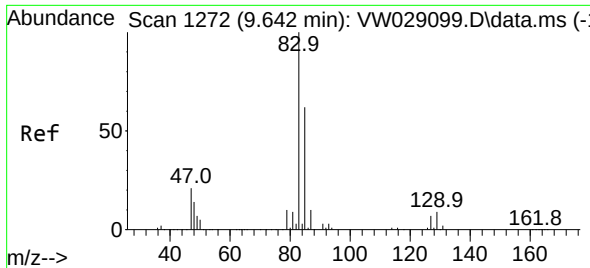
Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

Tgt Ion: 95 Resp: 222744

Ion	Ratio	Lower	Upper
95	100		
97	66.3	41.9	77.7
132	97.7	60.1	111.5
130	97.2	64.2	119.2

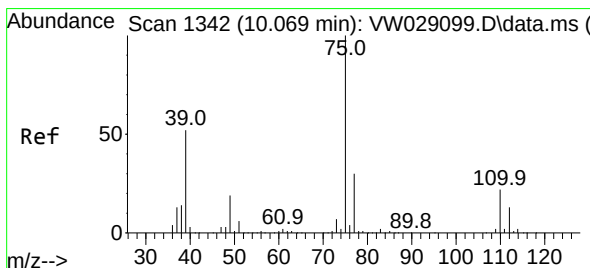
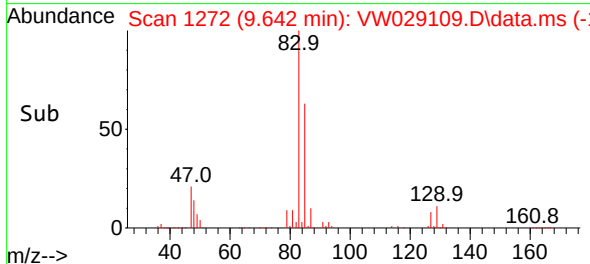
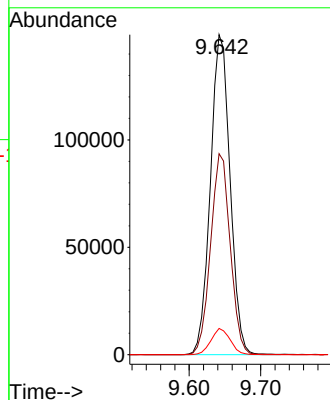
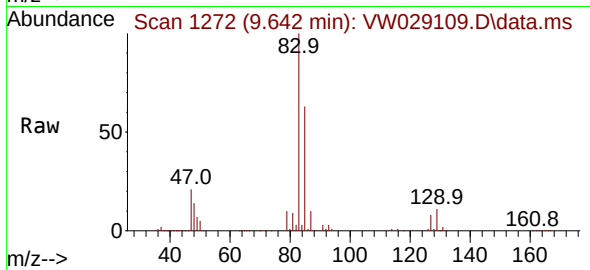




#38
Bromodichloromethane
Concen: 50.906 ug/L
RT: 9.642 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

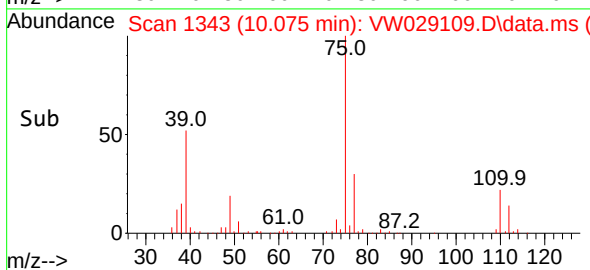
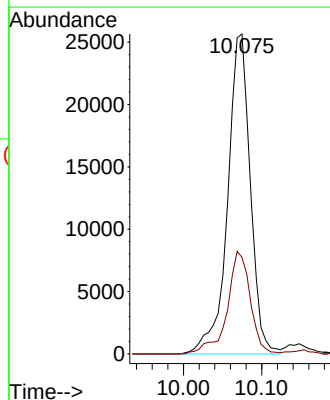
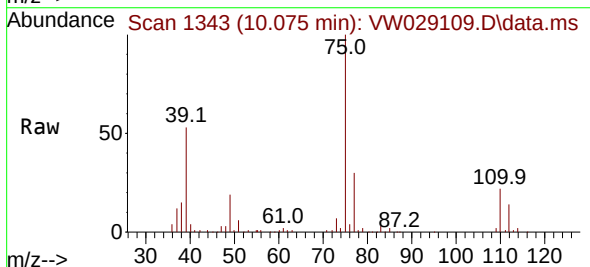
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

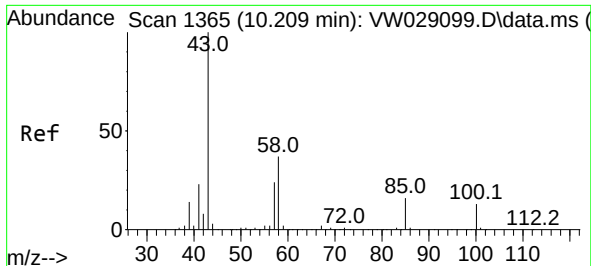
Tgt Ion: 83 Resp: 284418
Ion Ratio Lower Upper
83 100
85 62.8 43.9 81.5
127 8.2 5.4 8.2#



#39
cis-1,3-Dichloropropene
Concen: 7.771 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion: 75 Resp: 51739
Ion Ratio Lower Upper
75 100
77 30.2 21.0 39.0

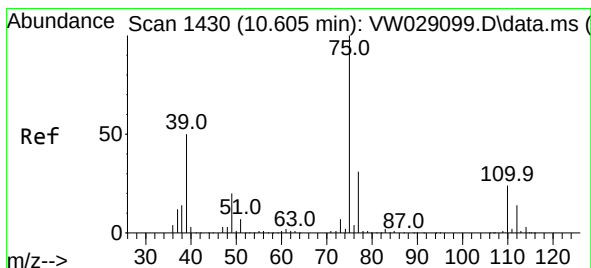
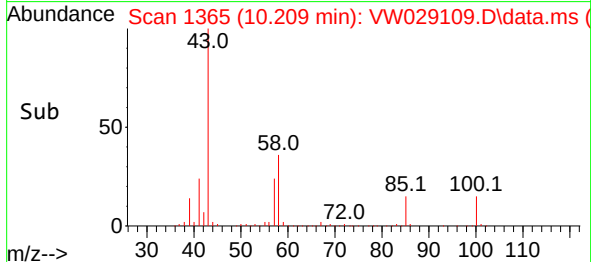
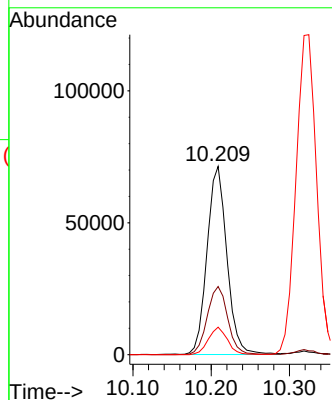
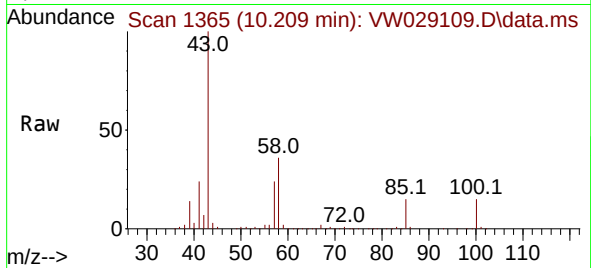




#40
4-Methyl-2-pentanone
Concen: 53.950 ug/L
RT: 10.209 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

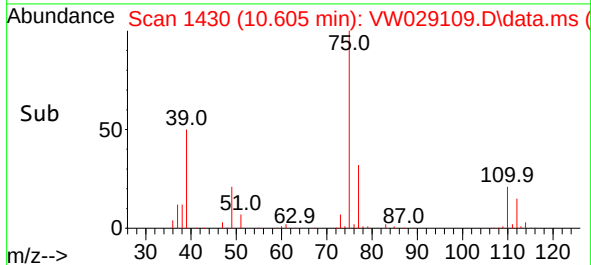
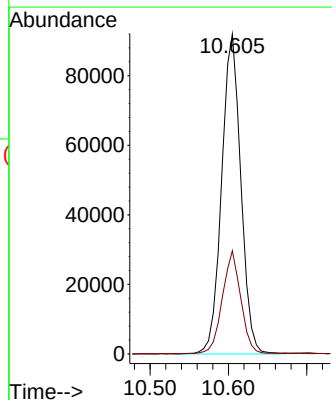
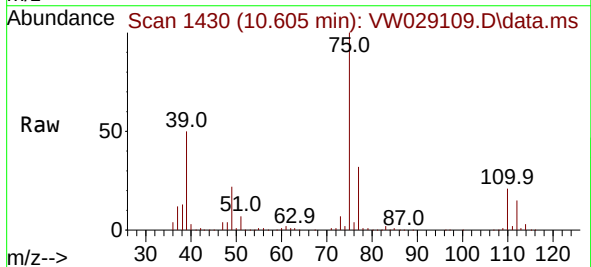
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

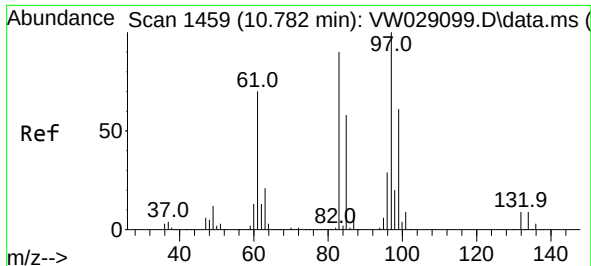
Tgt Ion: 43 Resp: 125711
Ion Ratio Lower Upper
43 100
58 37.3 30.3 45.5
100 14.0 10.7 16.1



#44
trans-1,3-Dichloropropene
Concen: 29.230 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion: 75 Resp: 156887
Ion Ratio Lower Upper
75 100
77 32.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 41.723 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

Instrument :

MSVOA_W

ClientSampleId :

A4DG1DL

Tgt Ion: 97 Resp: 129091

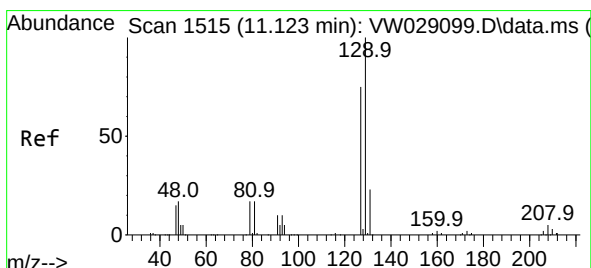
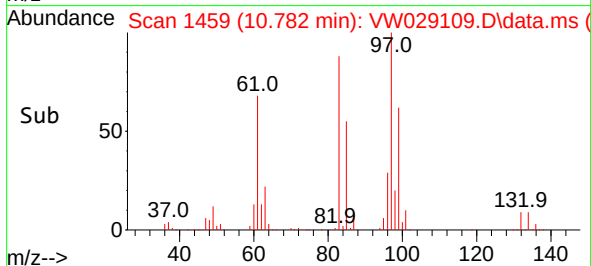
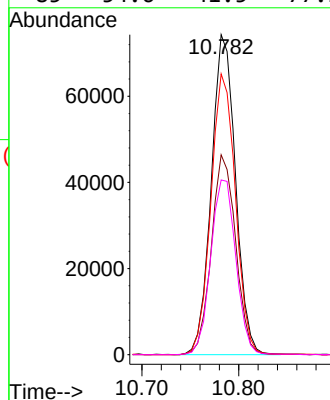
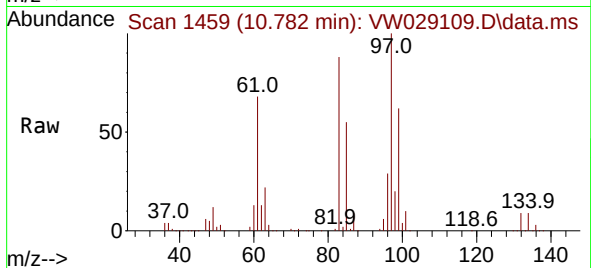
Ion Ratio Lower Upper

97 100

99 62.5 41.8 77.6

83 87.8 62.4 115.8

85 54.6 41.5 77.1



#49

Dibromochloromethane

Concen: 23.275 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VW029109.D

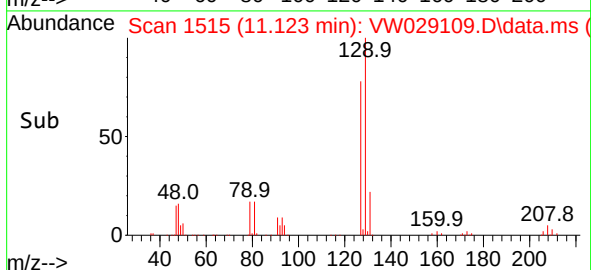
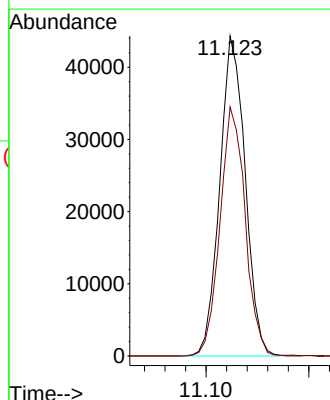
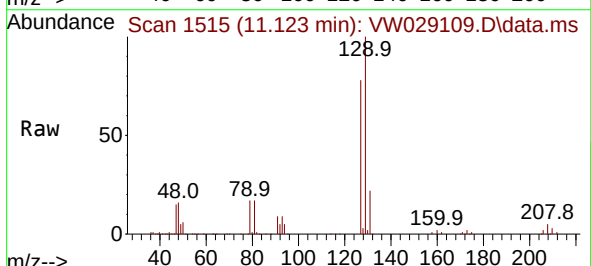
Acq: 12 Jun 2024 16:02

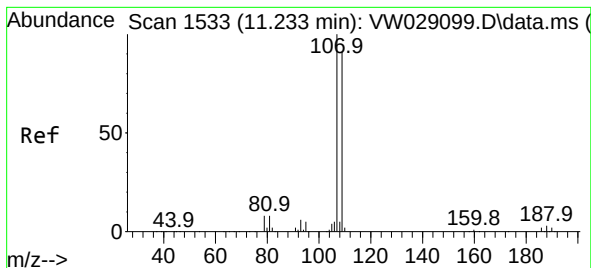
Tgt Ion:129 Resp: 76059

Ion Ratio Lower Upper

129 100

127 77.8 56.5 104.9

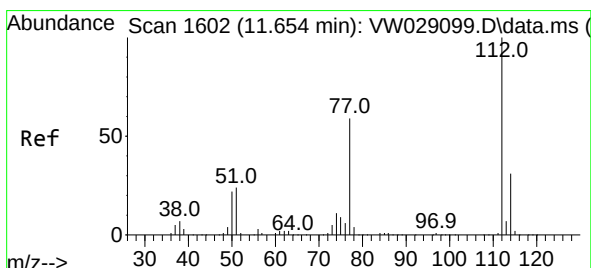
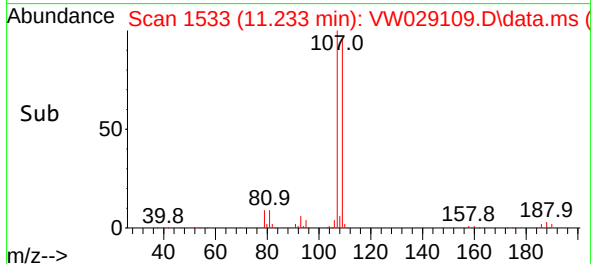
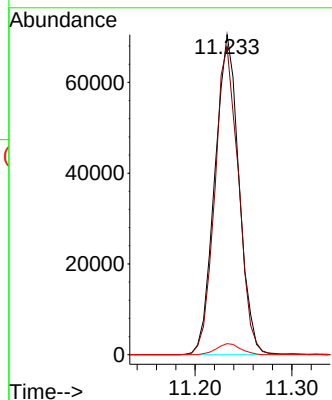
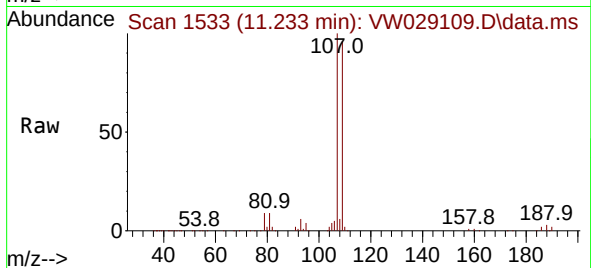




#50
1,2-Dibromoethane
Concen: 43.218 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

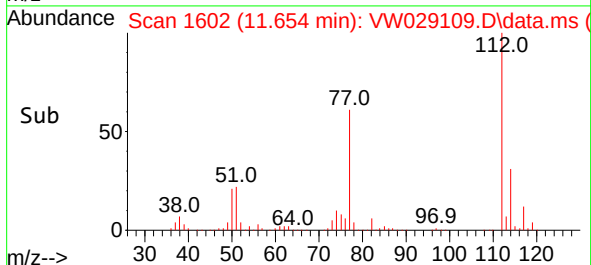
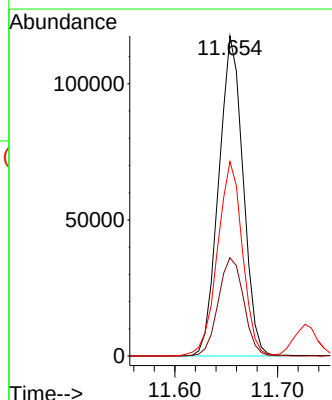
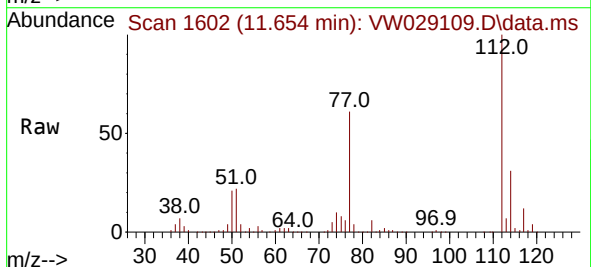
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

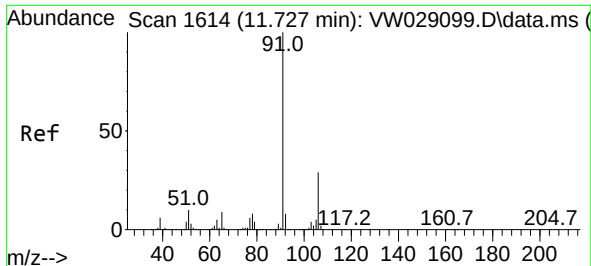
Tgt Ion:107 Resp: 122065
Ion Ratio Lower Upper
107 100
109 96.3 67.9 126.1
188 3.4 3.0 4.4



#51
Chlorobenzene
Concen: 16.833 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion:112 Resp: 193243
Ion Ratio Lower Upper
112 100
114 30.7 23.7 44.1
77 60.7 51.7 77.5

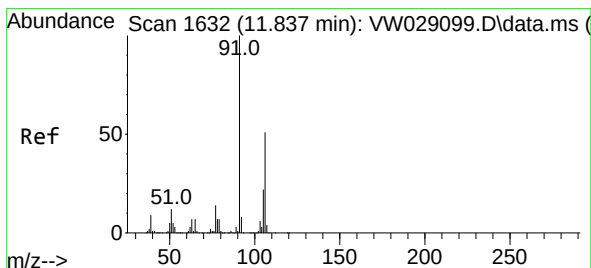
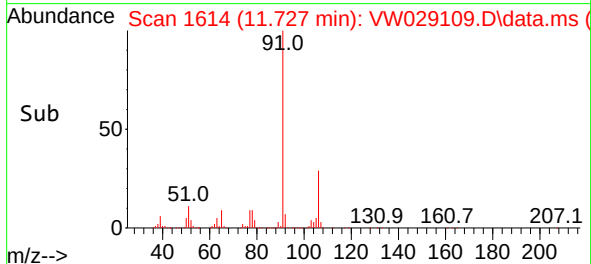
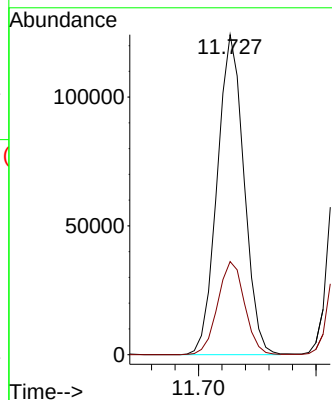
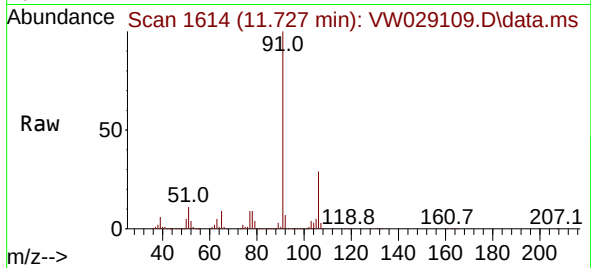




#52
Ethylbenzene
Concen: 9.707 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

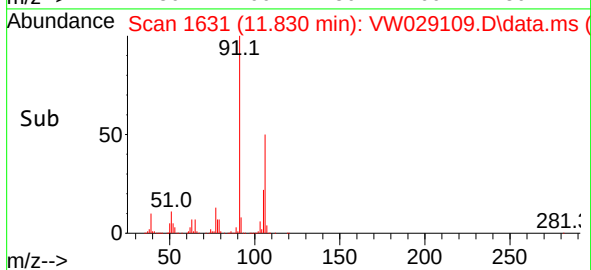
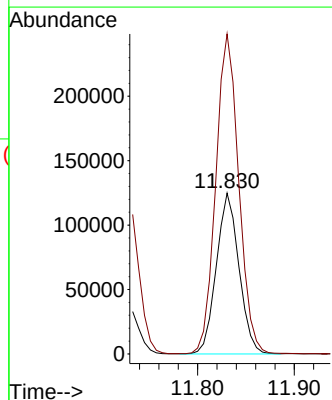
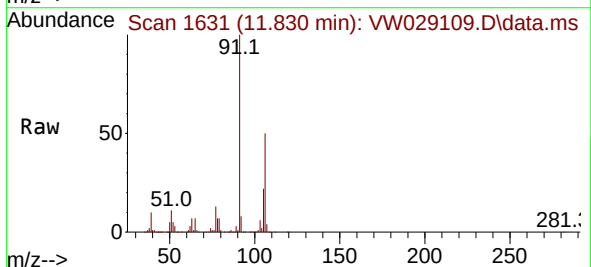
Instrument :
MSVOA_W
ClientSampleId :
A4DG1DL

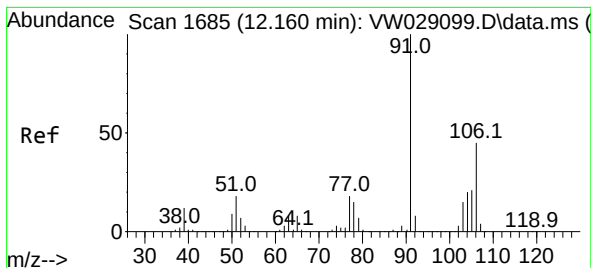
Tgt Ion: 91 Resp: 197109
Ion Ratio Lower Upper
91 100
106 29.1 19.9 37.0



#53
m,p-Xylene
Concen: 26.918 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029109.D
Acq: 12 Jun 2024 16:02

Tgt Ion:106 Resp: 202445
Ion Ratio Lower Upper
106 100
91 199.0 152.0 282.2





#54

o-Xylene

Concen: 47.275 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

Instrument :

MSVOA_W

ClientSampleId :

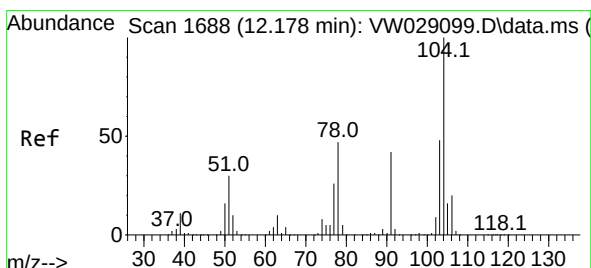
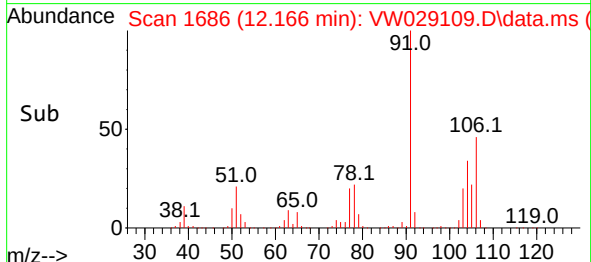
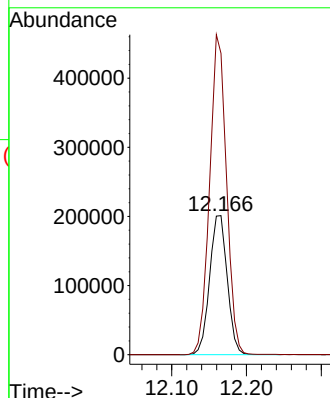
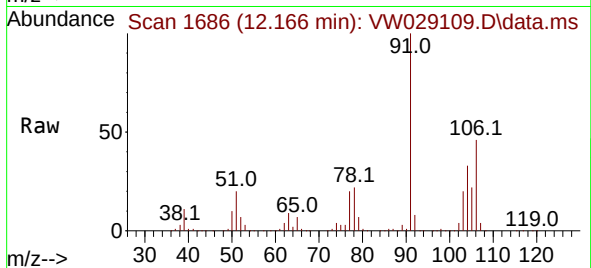
A4DG1DL

Tgt Ion:106 Resp: 329220

Ion Ratio Lower Upper

106 100

91 216.6 152.5 283.3



#55

Styrene

Concen: 33.326 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029109.D

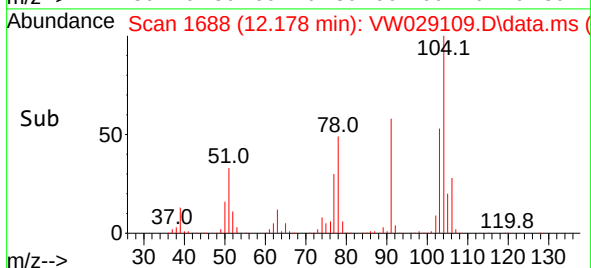
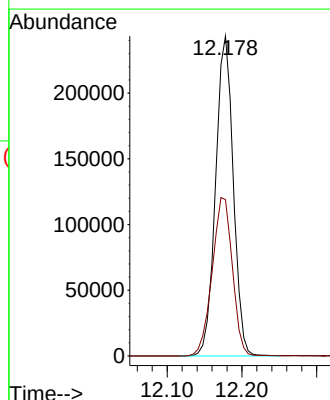
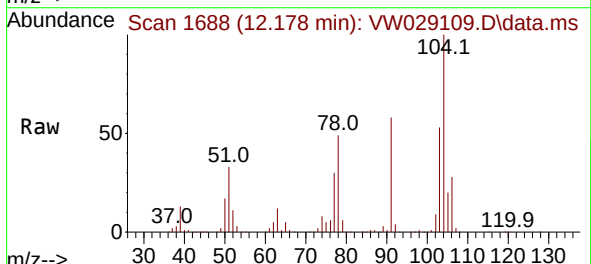
Acq: 12 Jun 2024 16:02

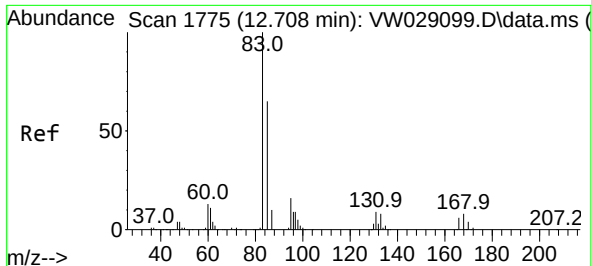
Tgt Ion:104 Resp: 400127

Ion Ratio Lower Upper

104 100

78 48.8 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 21.979 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

Instrument :

MSVOA_W

ClientSampleId :

A4DG1DL

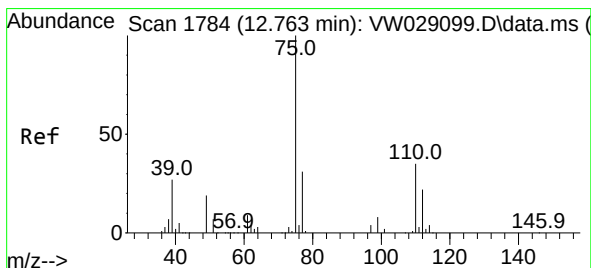
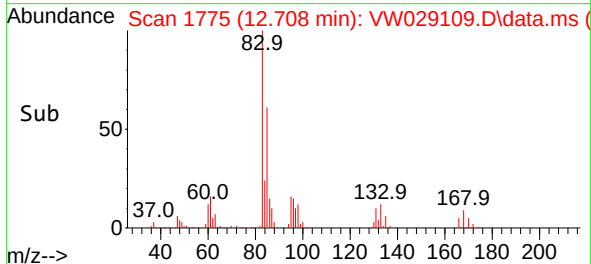
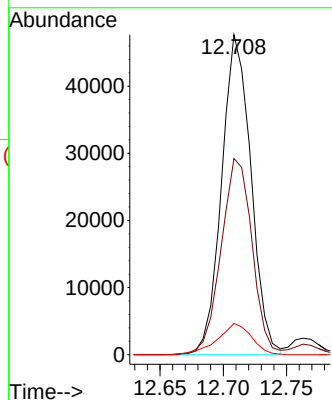
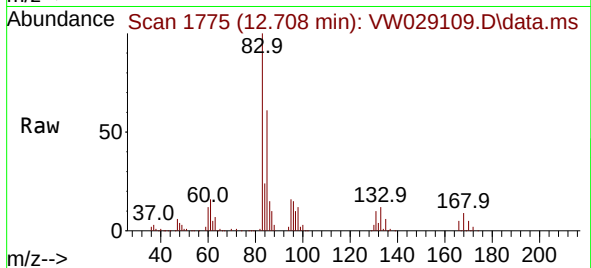
Tgt Ion: 83 Resp: 76767

Ion Ratio Lower Upper

83 100

85 61.3 43.8 81.3

131 9.8 7.3 10.9



#61

1,2,3-Trichloropropane

Concen: 57.023 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

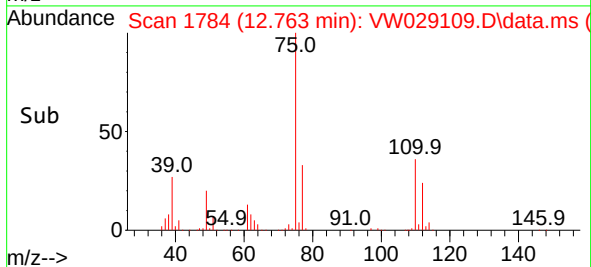
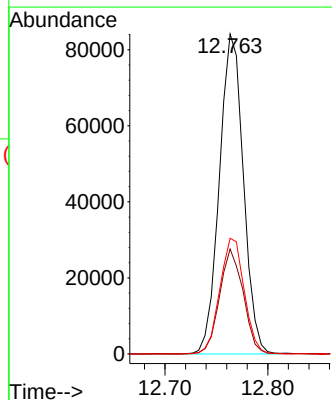
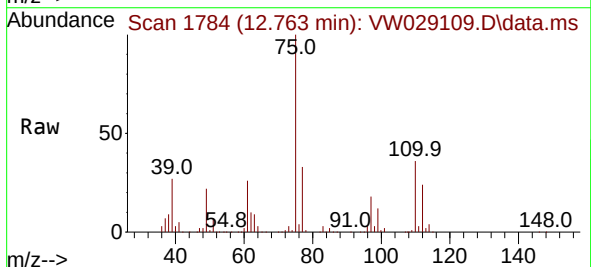
Tgt Ion: 75 Resp: 136583

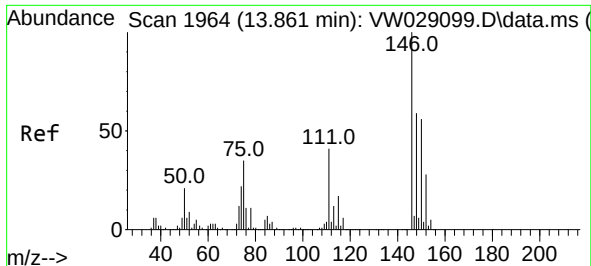
Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

110 36.8 29.4 44.0





#67

1,2-Dichlorobenzene

Concen: 51.122 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

Instrument :

MSVOA_W

ClientSampleId :

A4DG1DL

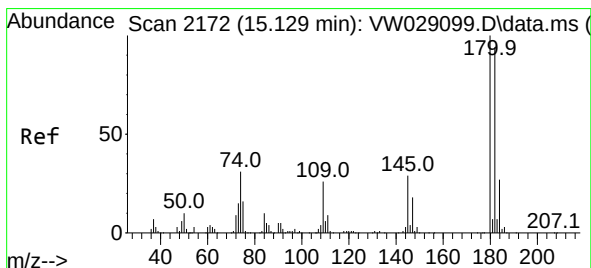
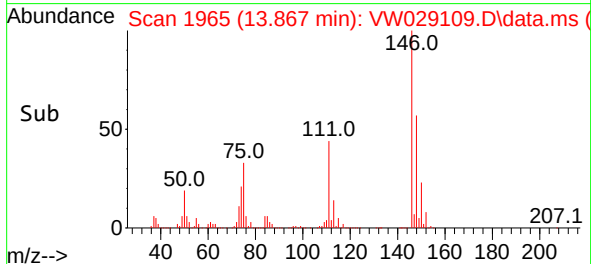
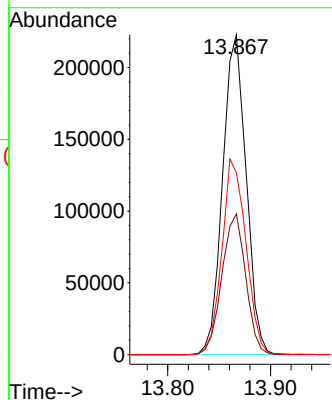
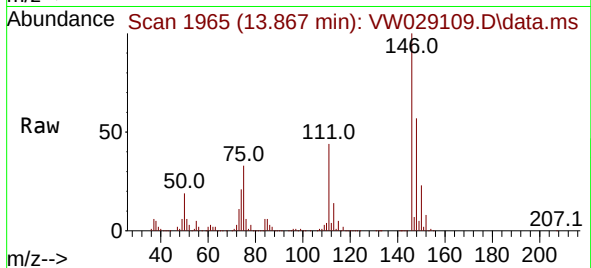
Tgt Ion:146 Resp: 353852

Ion Ratio Lower Upper

146 100

111 44.0 32.8 49.2

148 56.9 48.2 72.4



#70

1,2,4-trichlorobenzene

Concen: 12.420 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW029109.D

Acq: 12 Jun 2024 16:02

Tgt Ion:180 Resp: 53376

Ion Ratio Lower Upper

180 100

182 92.4 75.3 112.9

145 31.2 26.2 39.2

