

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061224\
 Data File : VW029107.D
 Acq On : 12 Jun 2024 15:14
 Operator : SY/MD
 Sample : P2844-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 13 00:50:40 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	315089	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	294811	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	139460	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	88326	17.645	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.600%
7) Chloroethane-d5	2.899	69	71122	18.503	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.000%
11) 1,1-Dichloroethene-d2	4.021	65	40476	18.397	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.600%
21) 2-Butanone-d5	7.075	46	53179	51.997	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.000%
24) Chloroform-d	7.648	84	207900	23.128	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.520%
26) 1,2-Dichloroethane-d4	8.307	65	100847	21.309	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.240%
32) Benzene-d6	8.276	84	360864	19.943	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.760%
36) 1,2-Dichloropropane-d6	9.270	67	114139	20.804	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.200%
41) Toluene-d8	10.319	98	321506	19.911	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.640%
43) trans-1,3-Dichloroprop...	10.575	79	43843	20.797	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.200%
47) 2-Hexanone-d5	10.922	63	37311	51.535	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.080%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	91265	23.946	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	13.714	152	68	0.014	ug/L	-0.13
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.040%#
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	75927	70.843	ug/L	100
16) Methylene chloride	4.917	84	332395	70.289	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	326930	53.990	ug/L	99
22) 2-Butanone	7.167	43	210870	163.277	ug/L	96
25) Chloroform	7.679	83	610605	73.638	ug/L	98
27) 1,2-Dichloroethane	8.319	62	4101	0.738	ug/L	97
31) Carbon tetrachloride	8.069	117	485595	78.047	ug/L	96
33) Benzene	8.325	78	435312	23.747	ug/L	100
34) Trichloroethene	9.093	95	471409	97.816	ug/L	94
38) Bromodichloromethane	9.642	83	588020	100.438	ug/L #	94
39) cis-1,3-Dichloropropene	10.069	75	105631	15.141	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	272985	111.802	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	331251	58.898	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	269597	83.156	ug/L	97
49) Dibromochloromethane	11.123	129	153676	44.878	ug/L	95
50) 1,2-Dibromoethane	11.233	107	257046	86.853	ug/L	99
51) Chlorobenzene	11.654	112	387068	32.176	ug/L	98
52) Ethylbenzene	11.727	91	419180	19.701	ug/L	96
53) m,p-Xylene	11.831	106	424278	53.837	ug/L	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061224\
Data File : VW029107.D
Acq On : 12 Jun 2024 15:14
Operator : SY/MD
Sample : P2844-01
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jun 13 00:50:40 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

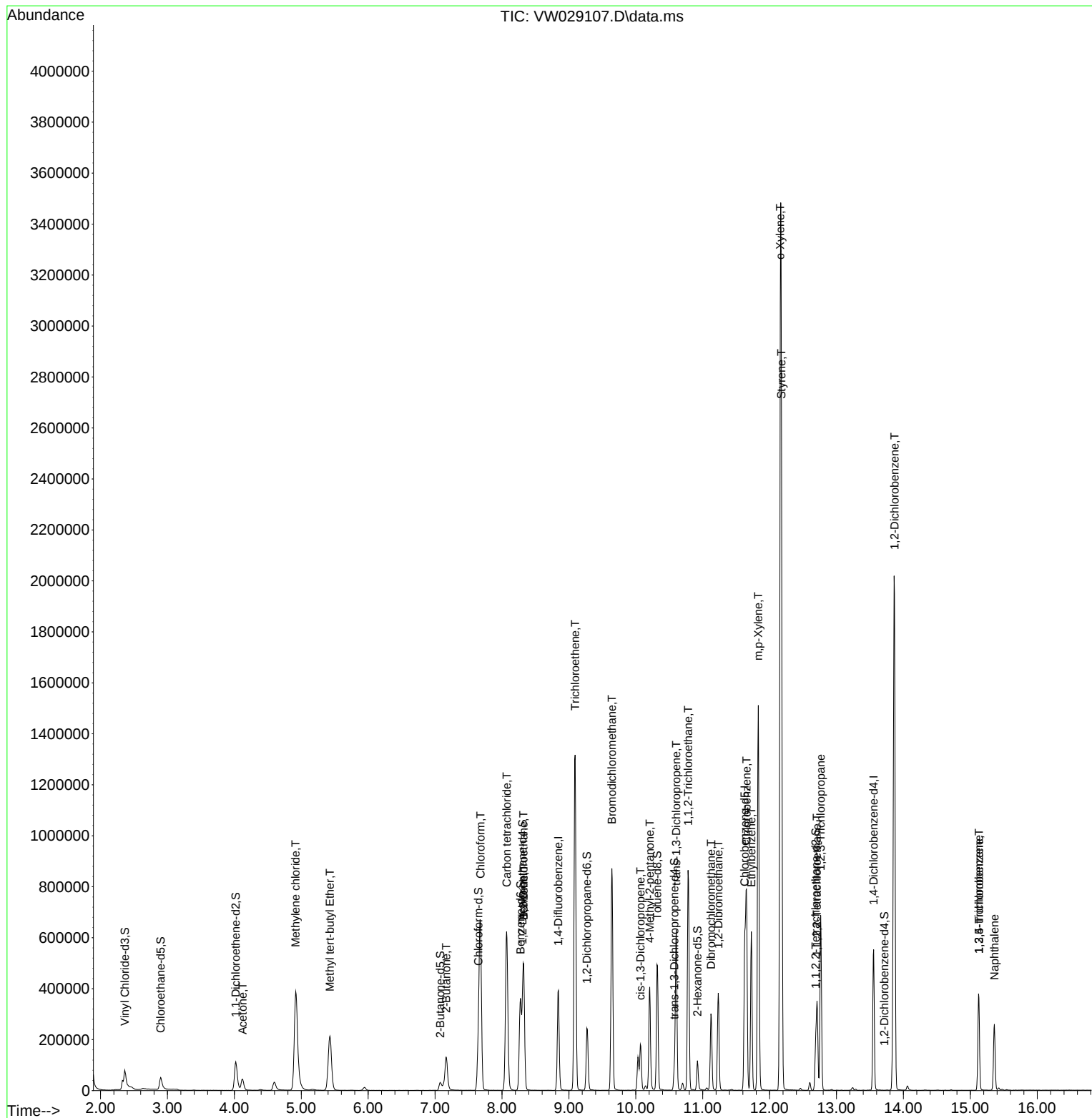
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.160	106	688999	94.419	ug/L	98
55) Styrene	12.178	104	818294	65.042	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	158177	43.219	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	280045	106.456	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	732519	96.359	ug/L	94
69) 1,3,5-Trichlorobenzene	15.129	180	118016	20.265	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	118016	25.004	ug/L	98
71) Naphthalene	15.360	128	211082	26.248	ug/L	99

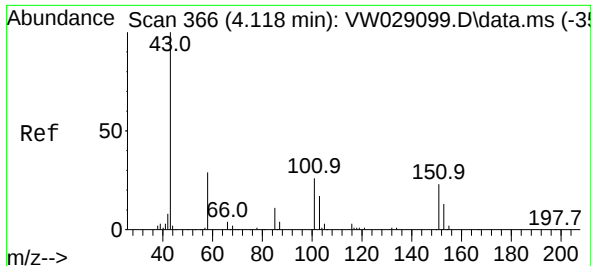
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061224\
Data File : VW029107.D
Acq On : 12 Jun 2024 15:14
Operator : SY/MD
Sample : P2844-01
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

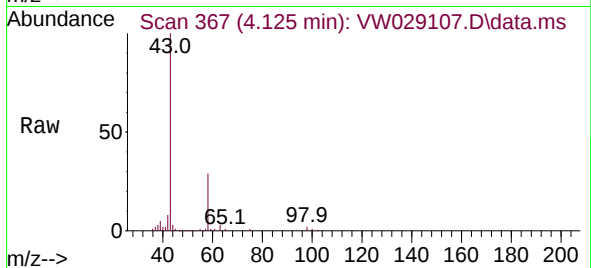
Quant Time: Jun 13 00:50:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060324SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 13 00:47:39 2024
Response via : Initial Calibration



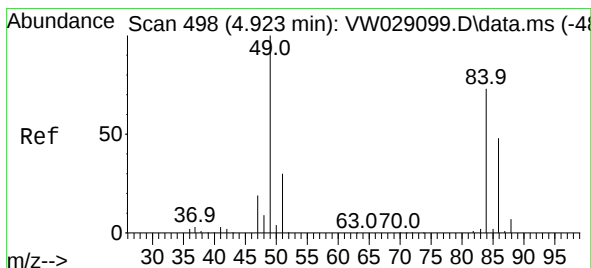
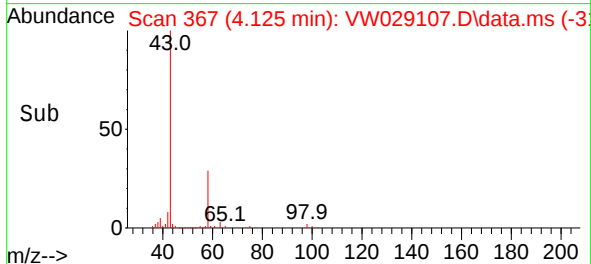
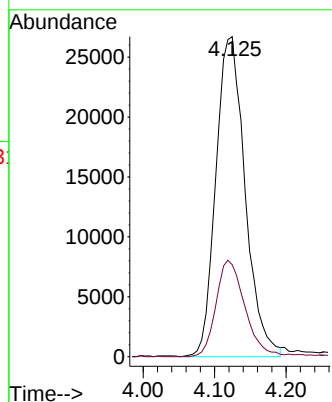


#13
Acetone
Concen: 70.843 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Instrument :
MSVOA_W
ClientSampleId :

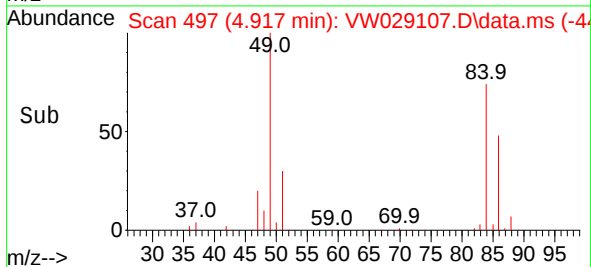
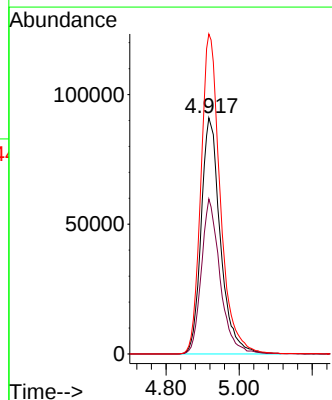
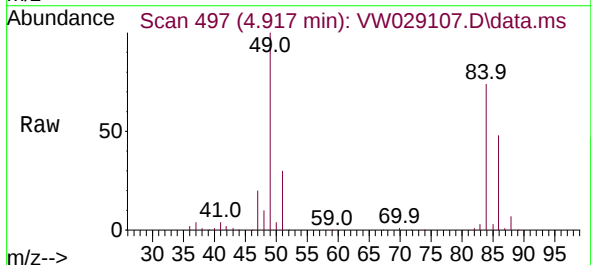


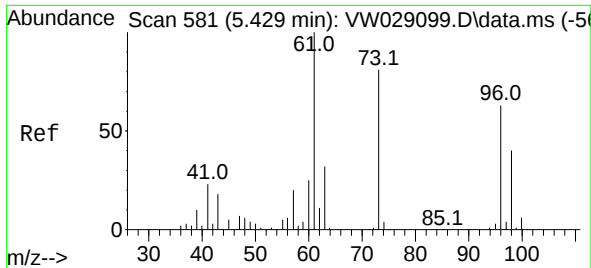
Tgt Ion: 43 Resp: 75927
Ion Ratio Lower Upper
43 100
58 29.6 0.0 59.4



#16
Methylene chloride
Concen: 70.289 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Tgt Ion: 84 Resp: 332395
Ion Ratio Lower Upper
84 100
86 65.6 43.8 81.4
49 135.5 91.3 169.5

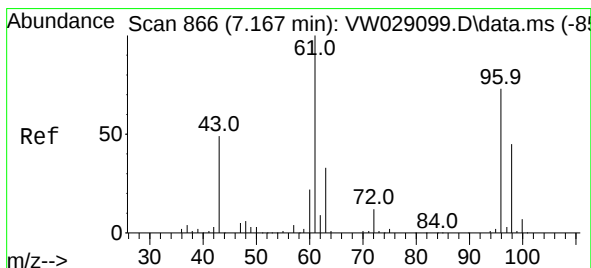
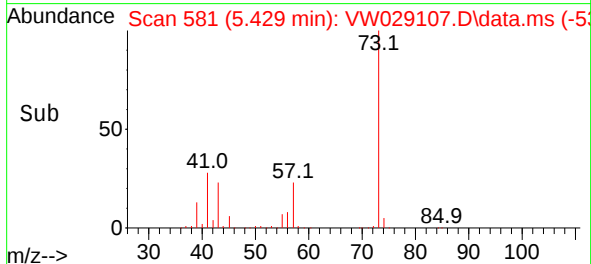
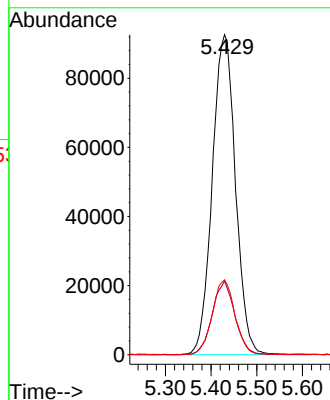
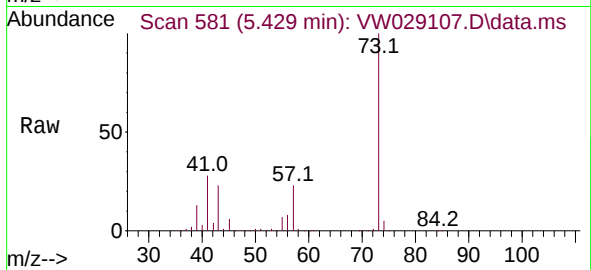




#18
Methyl tert-butyl Ether
Concen: 53.990 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

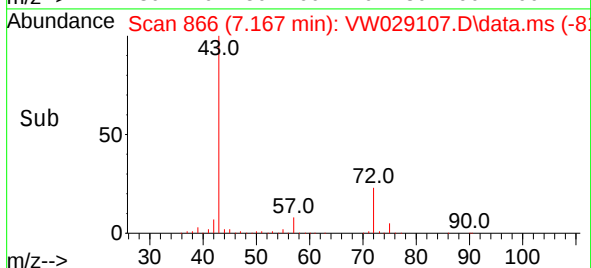
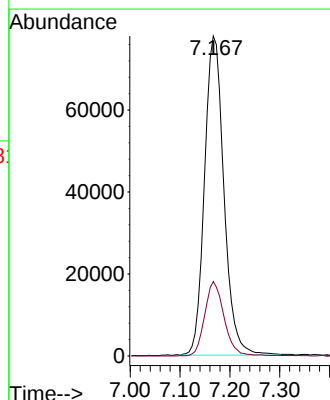
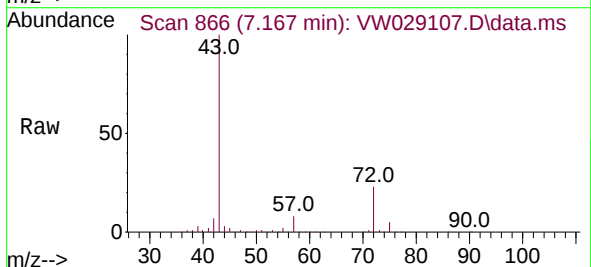
Instrument :
MSVOA_W
ClientSampleId :

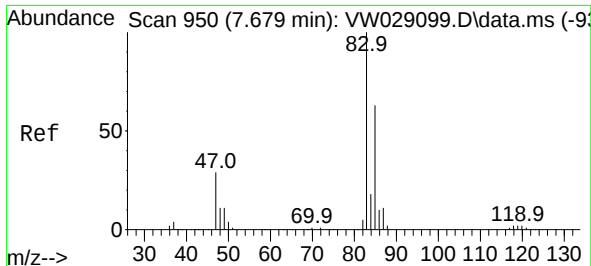
Tgt Ion: 73 Resp: 326930
Ion Ratio Lower Upper
73 100
43 22.5 17.8 26.6
57 22.5 18.4 27.6



#22
2-Butanone
Concen: 163.277 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Tgt Ion: 43 Resp: 210870
Ion Ratio Lower Upper
43 100
72 23.0 12.5 37.5





#25

Chloroform

Concen: 73.638 ug/L

RT: 7.679 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

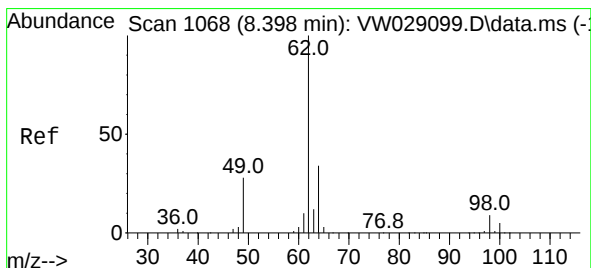
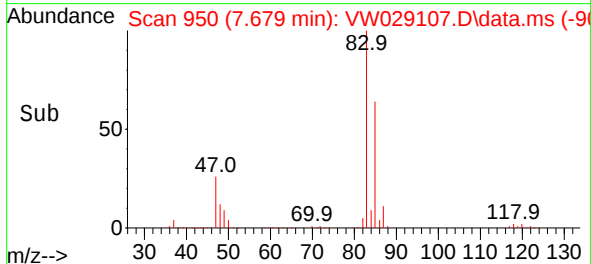
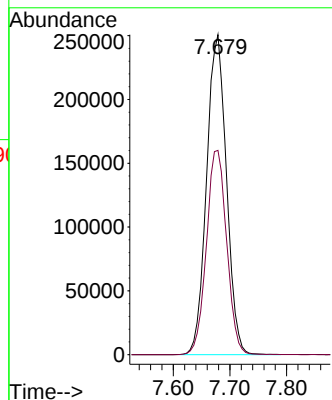
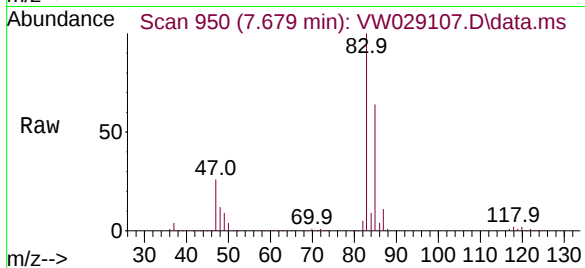
ClientSampleId :

Tgt Ion: 83 Resp: 610605

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2



#27

1,2-Dichloroethane

Concen: 0.738 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. -0.079 min

Lab File: VW029107.D

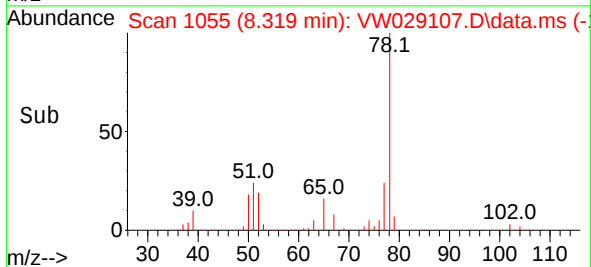
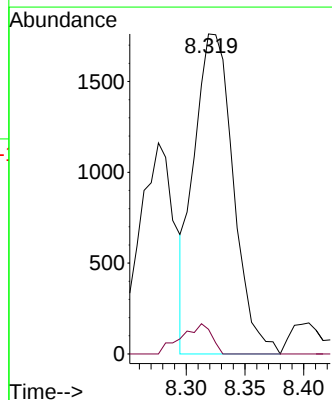
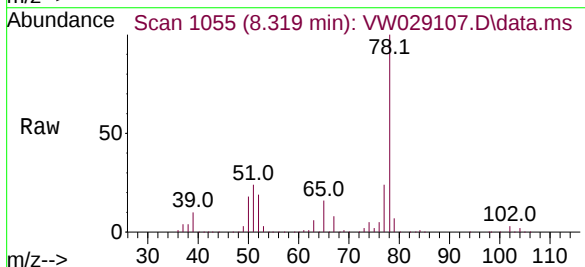
Acq: 12 Jun 2024 15:14

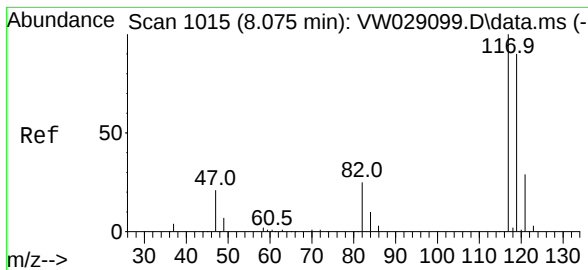
Tgt Ion: 62 Resp: 4101

Ion Ratio Lower Upper

62 100

98 7.7 7.1 10.7

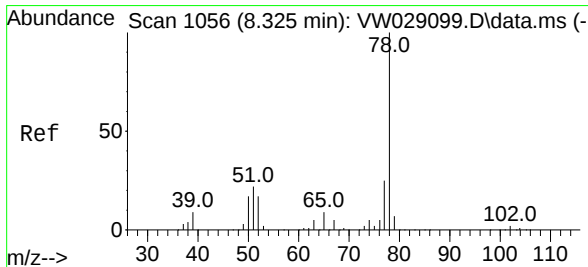
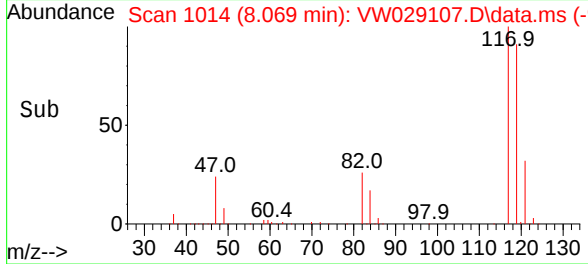
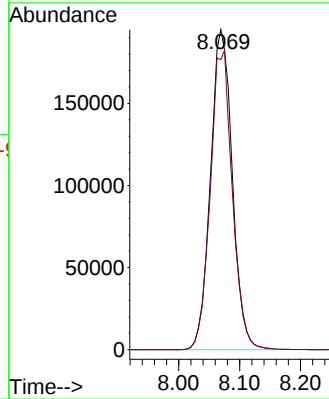
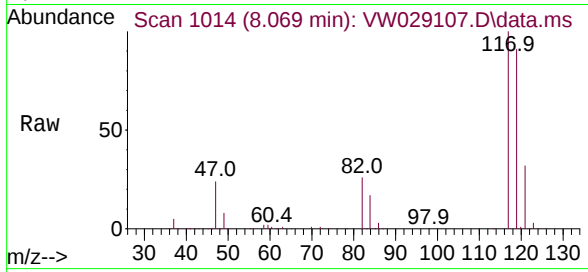




#31
Carbon tetrachloride
Concen: 78.047 ug/L
RT: 8.069 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

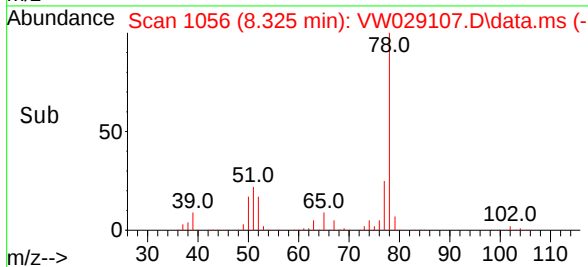
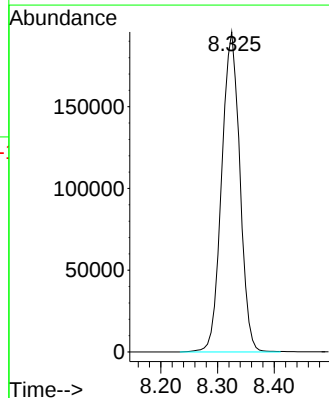
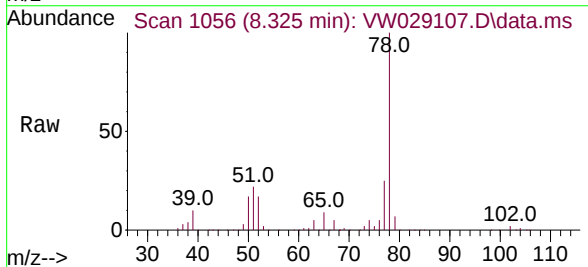
Instrument :
MSVOA_W
ClientSampleId :

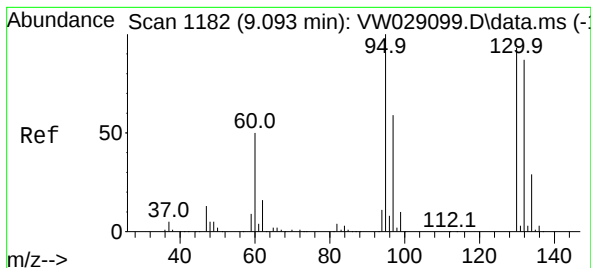
Tgt Ion:117 Resp: 485595
Ion Ratio Lower Upper
117 100
119 94.2 78.8 118.2



#33
Benzene
Concen: 23.747 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Tgt Ion: 78 Resp: 435312





#34

Trichloroethene

Concen: 97.816 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 471409

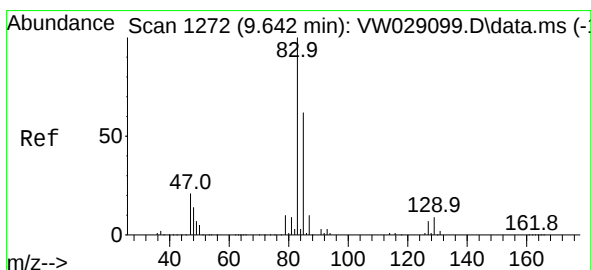
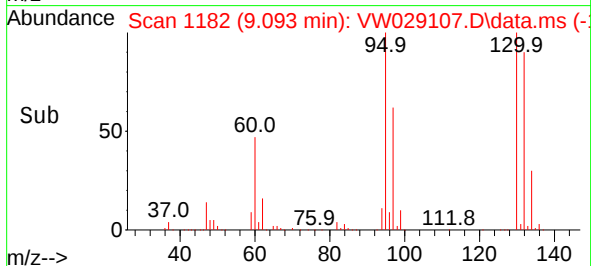
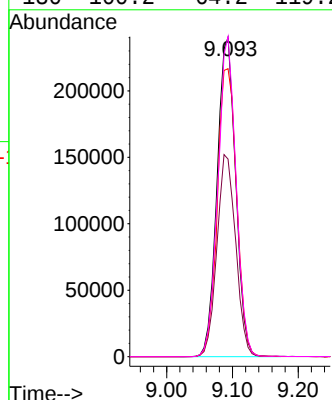
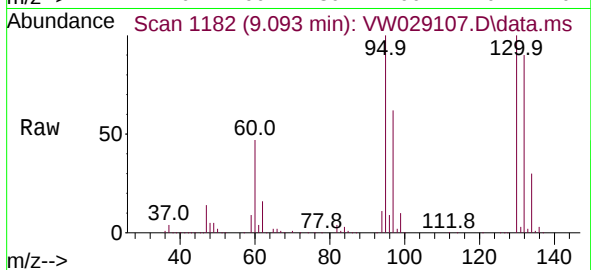
Ion Ratio Lower Upper

95 100

97 61.9 41.9 77.7

132 90.2 60.1 111.5

130 100.2 64.2 119.2



#38

Bromodichloromethane

Concen: 100.438 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

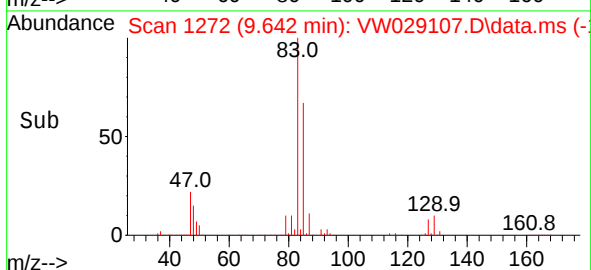
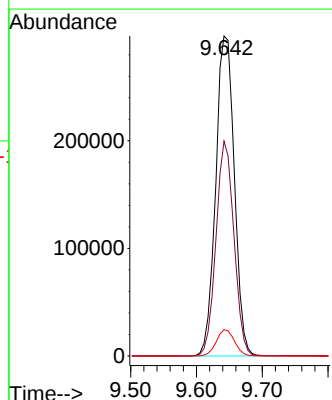
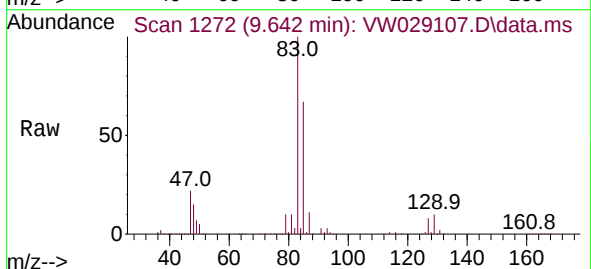
Tgt Ion: 83 Resp: 588020

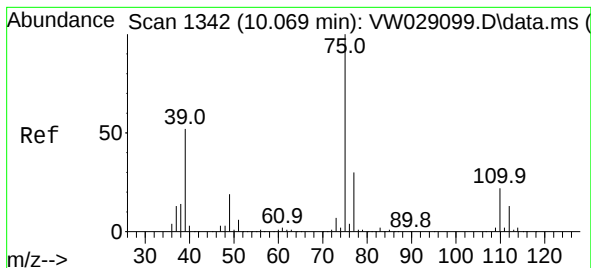
Ion Ratio Lower Upper

83 100

85 67.1 43.9 81.5

127 8.2 5.4 8.2#

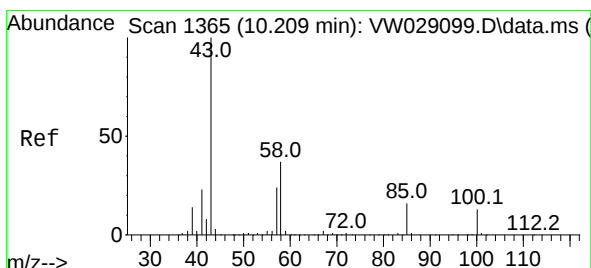
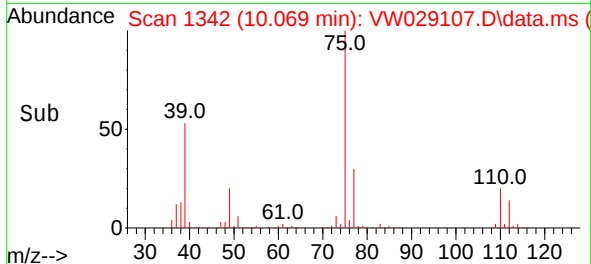
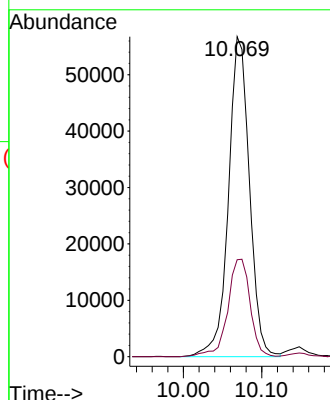
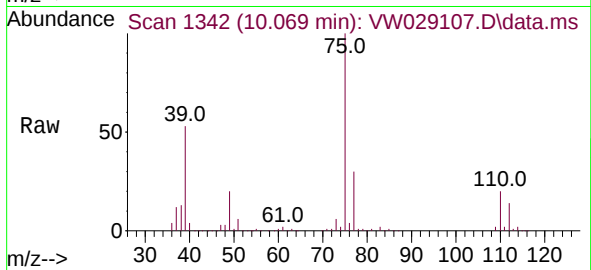




#39
 cis-1,3-Dichloropropene
 Concen: 15.141 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: VW029107.D
 Acq: 12 Jun 2024 15:14

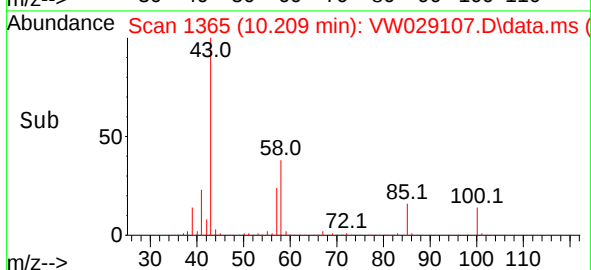
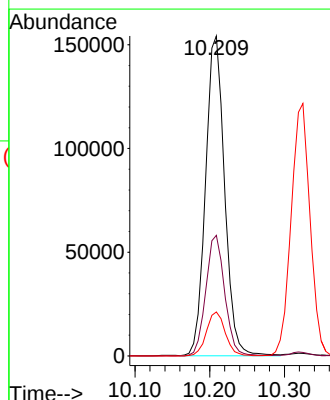
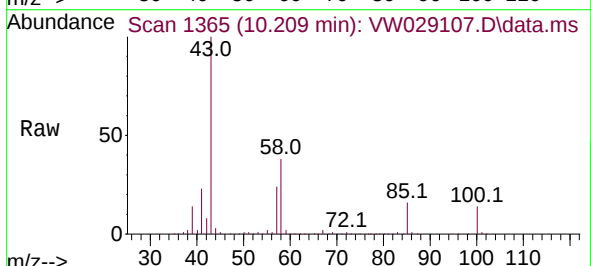
Instrument :
 MSVOA_W
 ClientSampleId :

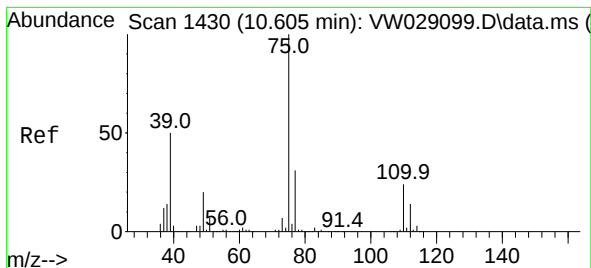
Tgt Ion: 75 Resp: 105631
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 111.802 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW029107.D
 Acq: 12 Jun 2024 15:14

Tgt Ion: 43 Resp: 272985
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.3 45.5
 100 13.6 10.7 16.1





#44

trans-1,3-Dichloropropene

Concen: 58.898 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

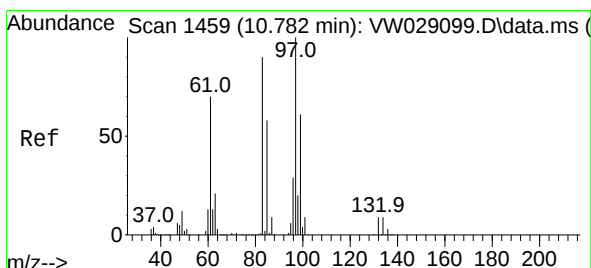
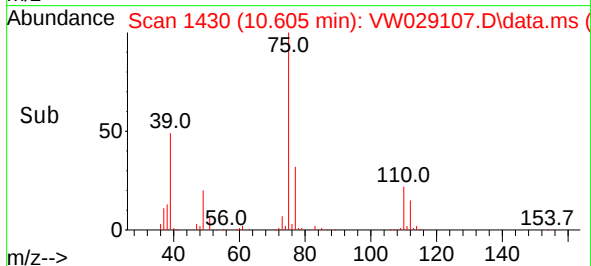
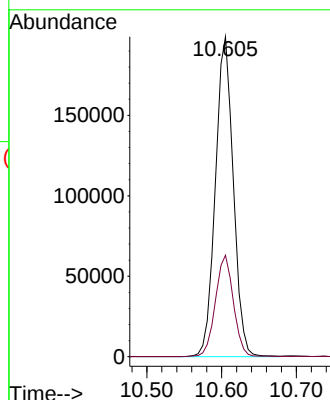
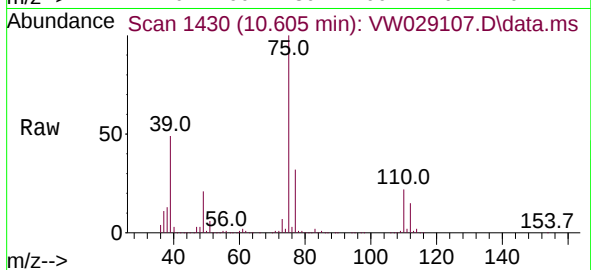
ClientSampleId :

Tgt Ion: 75 Resp: 331251

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



#45

1,1,2-Trichloroethane

Concen: 83.156 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Tgt Ion: 97 Resp: 269597

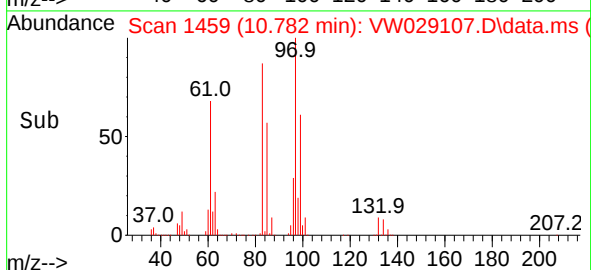
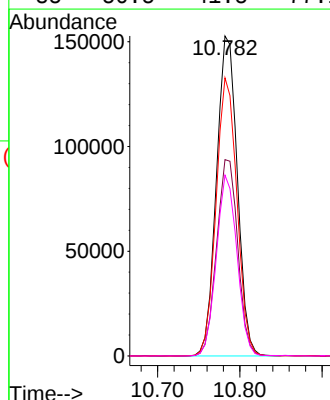
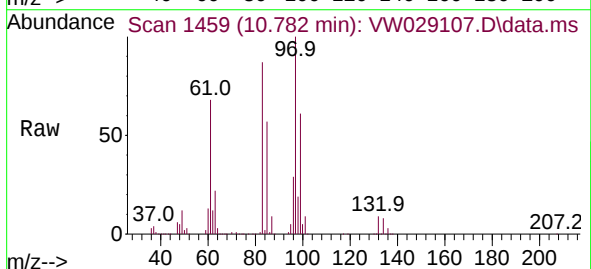
Ion Ratio Lower Upper

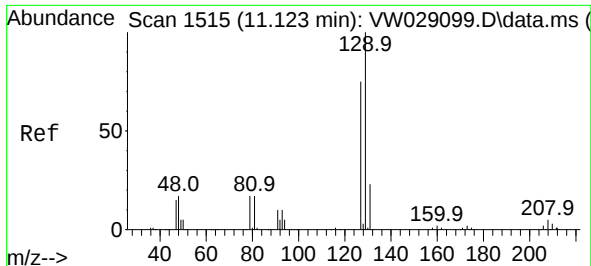
97 100

99 61.4 41.8 77.6

83 86.9 62.4 115.8

85 56.5 41.5 77.1





#49

Dibromochloromethane

Concen: 44.878 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

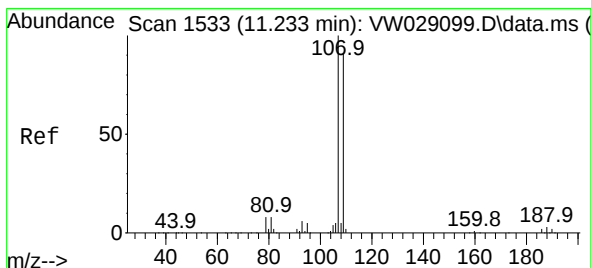
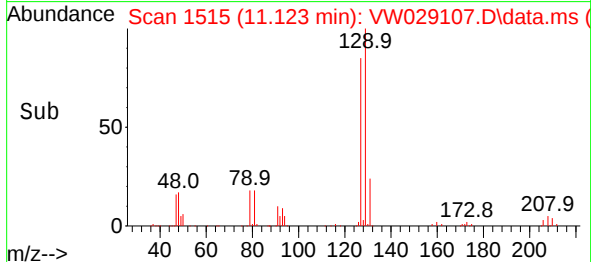
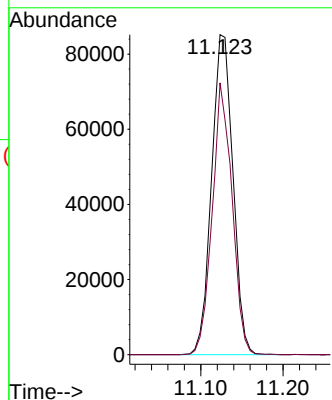
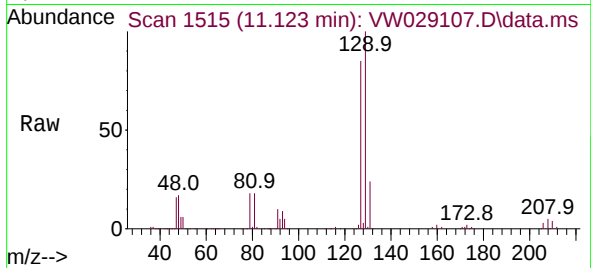
ClientSampleId :

Tgt Ion:129 Resp: 153676

Ion Ratio Lower Upper

129 100

127 85.0 56.5 104.9



#50

1,2-Dibromoethane

Concen: 86.853 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

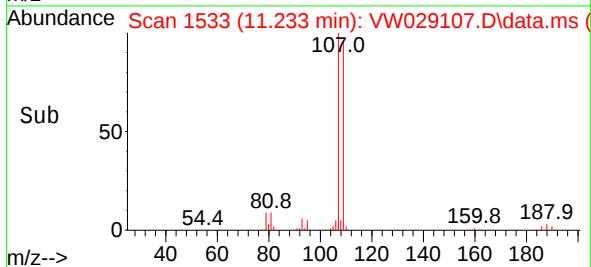
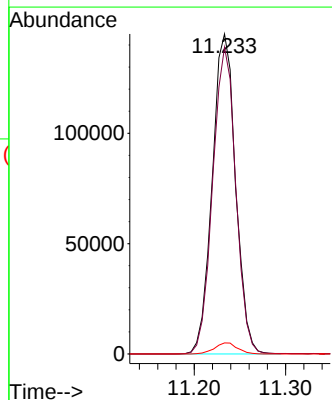
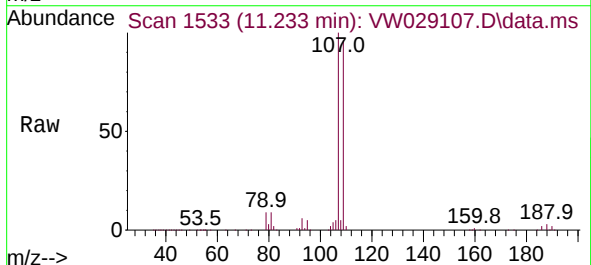
Tgt Ion:107 Resp: 257046

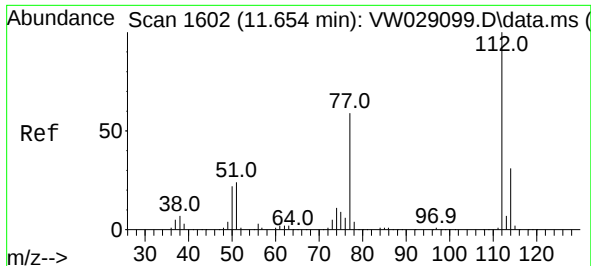
Ion Ratio Lower Upper

107 100

109 95.9 67.9 126.1

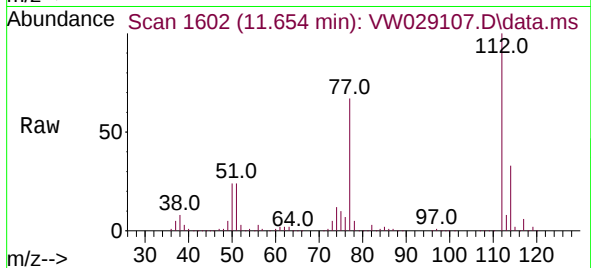
188 3.4 3.0 4.4



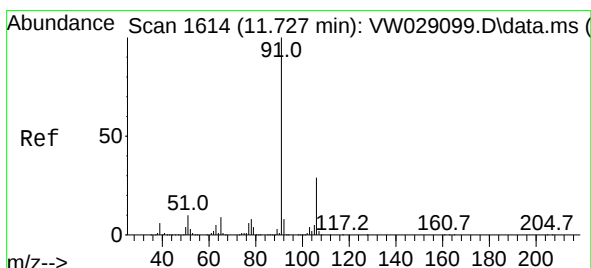
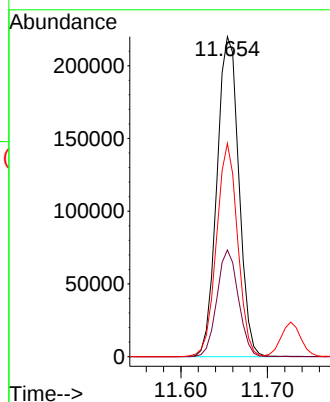
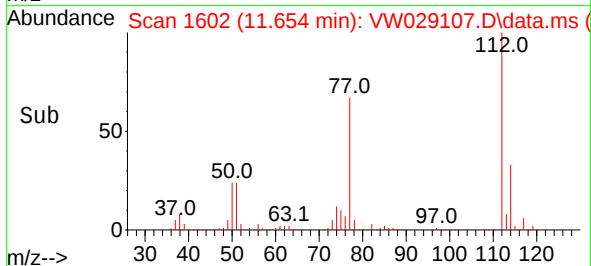


#51
Chlorobenzene
Concen: 32.176 ug/L
RT: 11.654 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Instrument :
MSVOA_W
ClientSampleId :

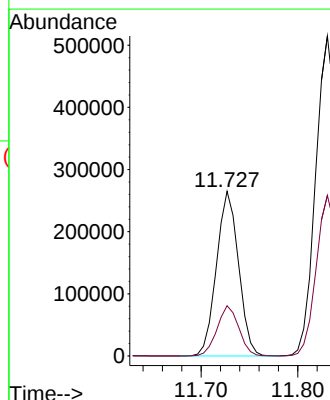
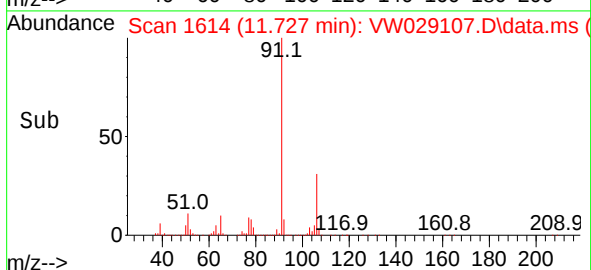
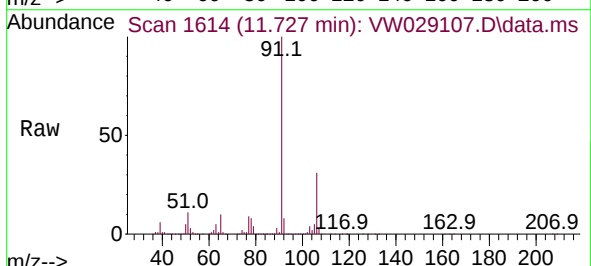


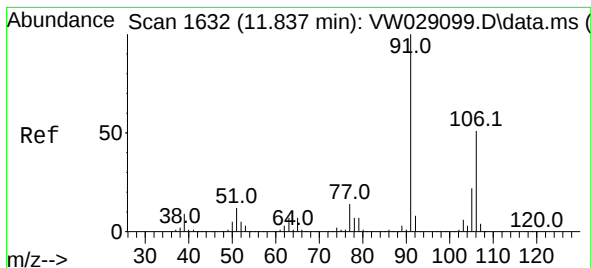
Tgt Ion:112 Resp: 387068
Ion Ratio Lower Upper
112 100
114 33.3 23.7 44.1
77 66.6 51.7 77.5



#52
Ethylbenzene
Concen: 19.701 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Tgt Ion: 91 Resp: 419180
Ion Ratio Lower Upper
91 100
106 30.5 19.9 37.0





#53

m,p-Xylene

Concen: 53.837 ug/L

RT: 11.831 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

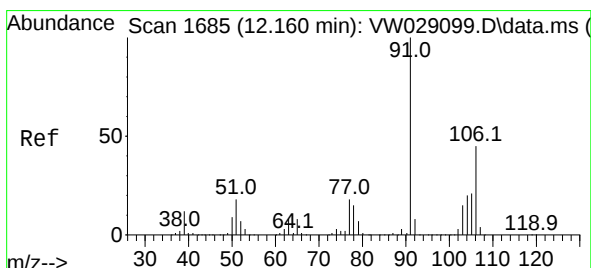
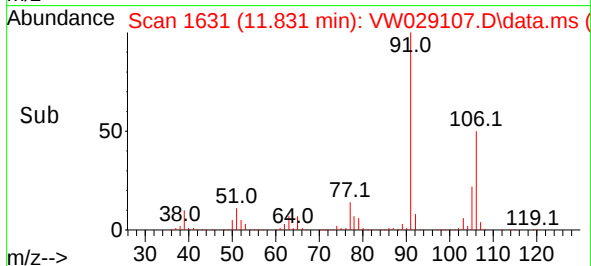
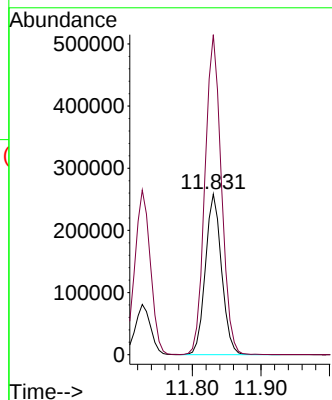
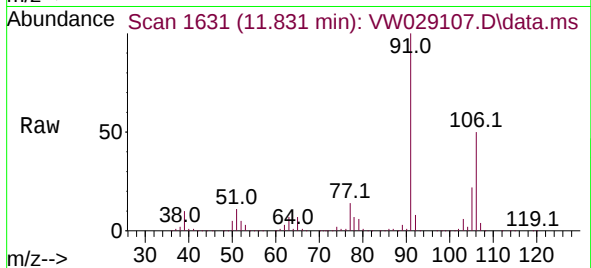
ClientSampleId :

Tgt Ion:106 Resp: 424278

Ion Ratio Lower Upper

106 100

91 199.2 152.0 282.2



#54

o-Xylene

Concen: 94.419 ug/L

RT: 12.160 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW029107.D

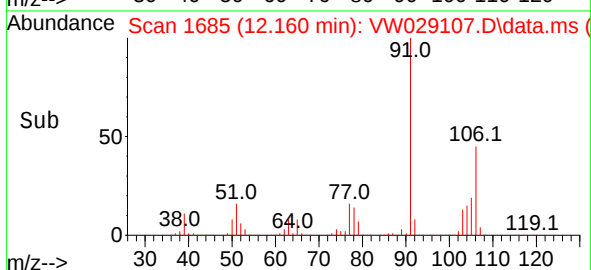
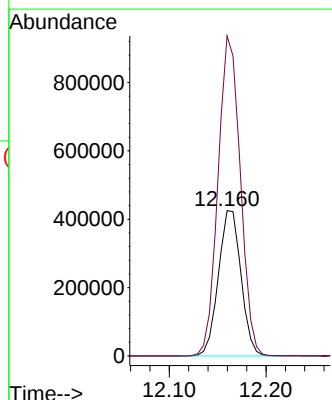
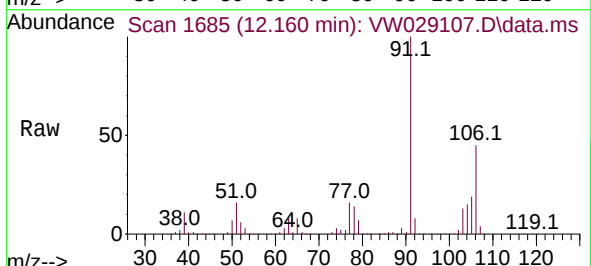
Acq: 12 Jun 2024 15:14

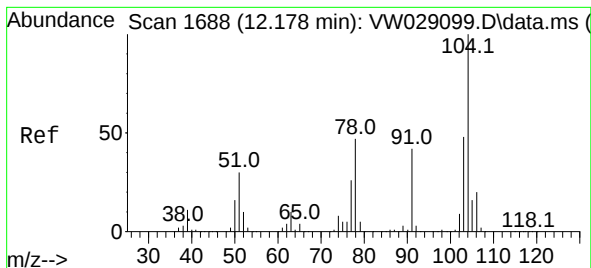
Tgt Ion:106 Resp: 688999

Ion Ratio Lower Upper

106 100

91 220.3 152.5 283.3





#55

Styrene

Concen: 65.042 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

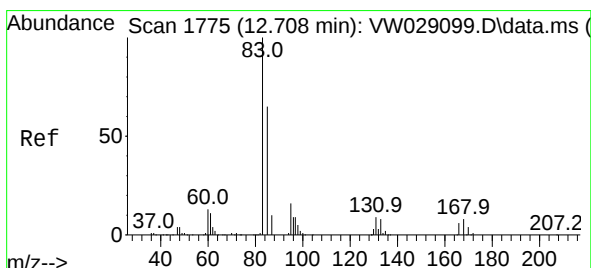
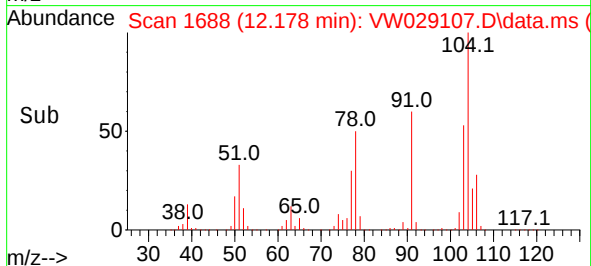
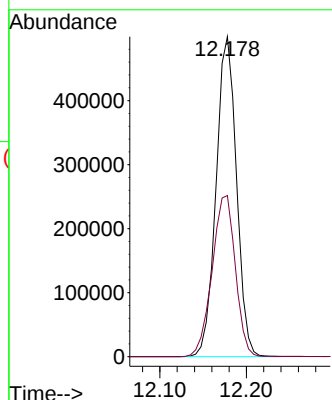
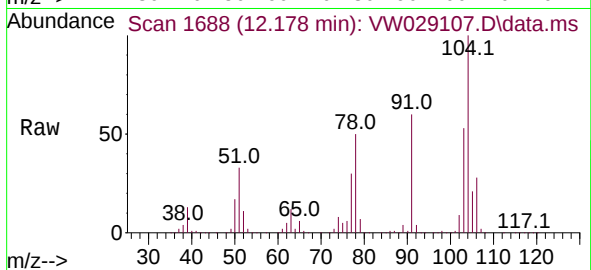
ClientSampleId :

Tgt Ion:104 Resp: 818294

Ion Ratio Lower Upper

104 100

78 50.3 33.3 61.9



#57

1,1,2,2-Tetrachloroethane

Concen: 43.219 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

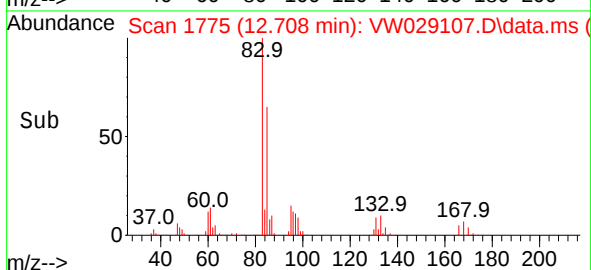
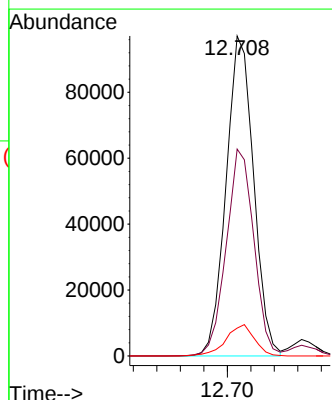
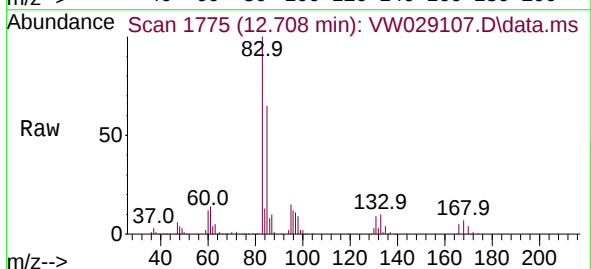
Tgt Ion: 83 Resp: 158177

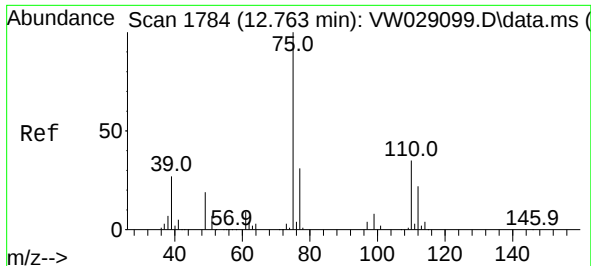
Ion Ratio Lower Upper

83 100

85 64.7 43.8 81.3

131 8.7 7.3 10.9





#61

1,2,3-Trichloropropane

Concen: 106.456 ug/L

RT: 12.763 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

ClientSampleId :

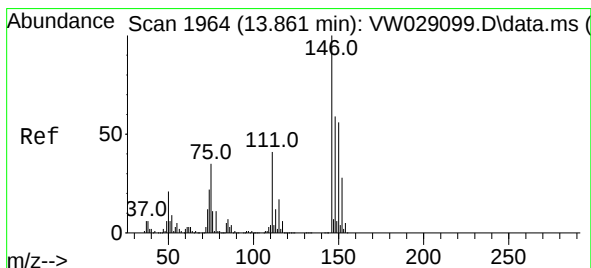
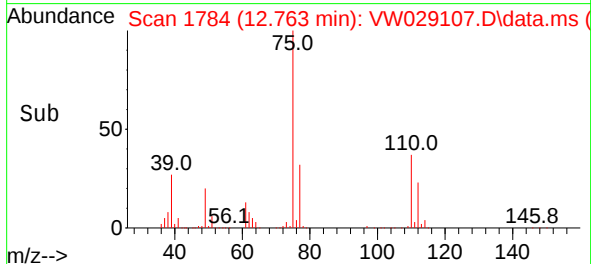
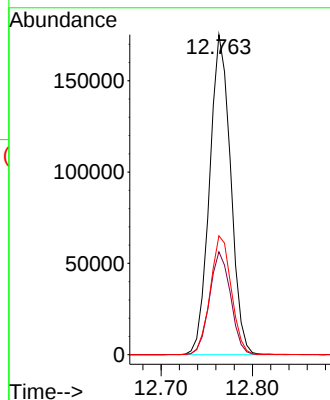
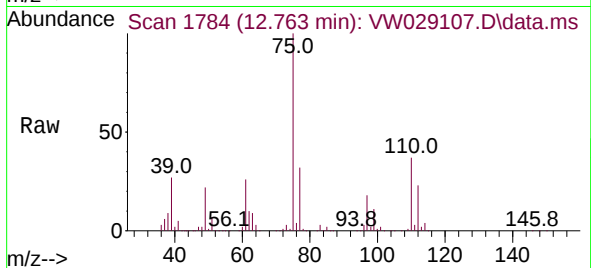
Tgt Ion: 75 Resp: 280045

Ion Ratio Lower Upper

75 100

77 32.1 26.3 39.5

110 37.2 29.4 44.0



#67

1,2-Dichlorobenzene

Concen: 96.359 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.006 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

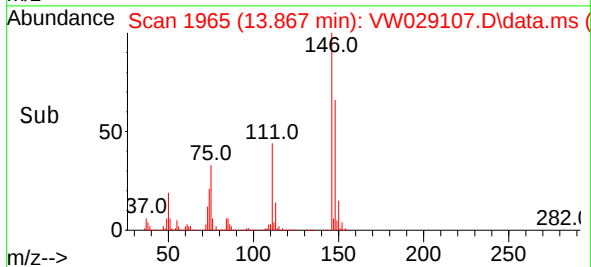
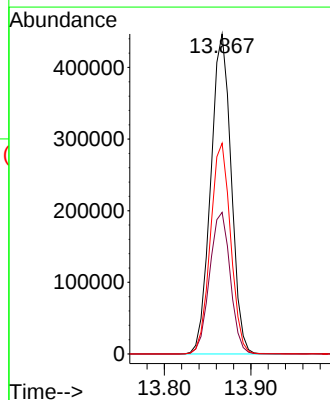
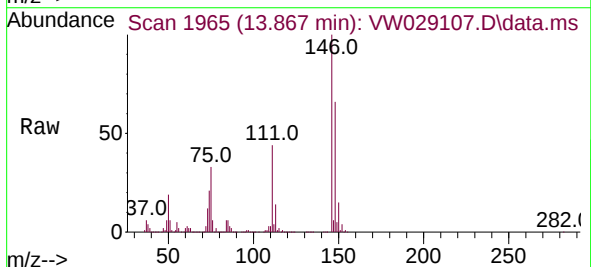
Tgt Ion:146 Resp: 732519

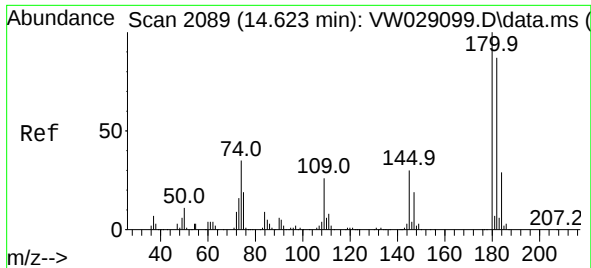
Ion Ratio Lower Upper

146 100

111 44.3 32.8 49.2

148 65.8 48.2 72.4





#69

1,3,5-Trichlorobenzene

Concen: 20.265 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.506 min

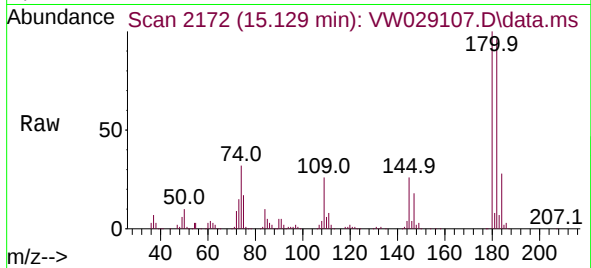
Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 118016

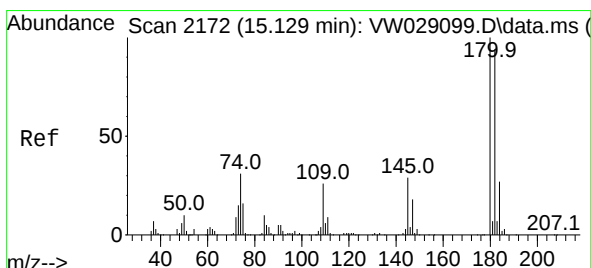
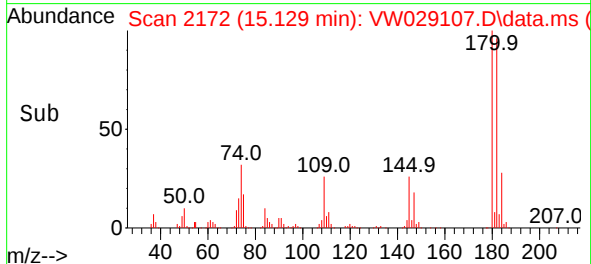
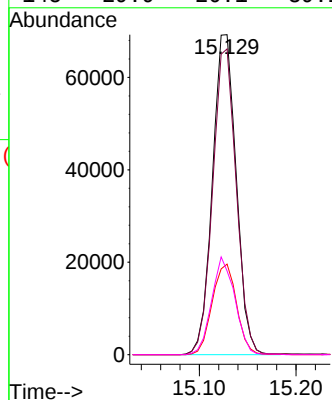
Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.0

184 29.1 24.6 36.8

145 29.9 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 25.004 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW029107.D

Acq: 12 Jun 2024 15:14

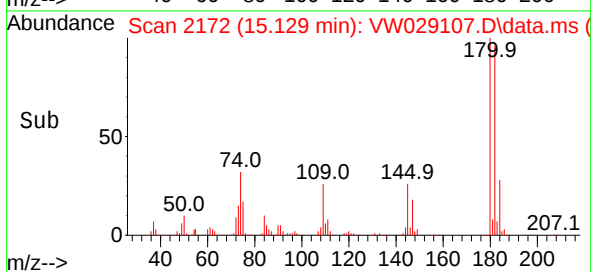
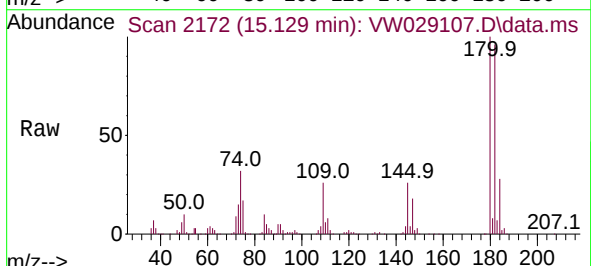
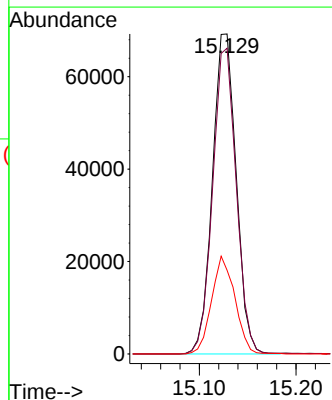
Tgt Ion:180 Resp: 118016

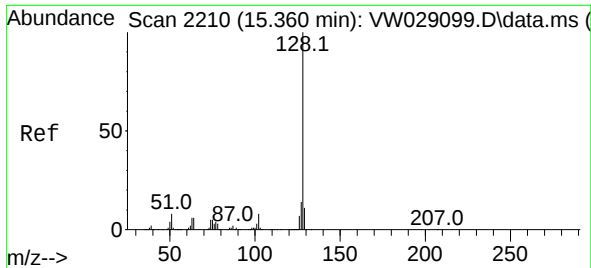
Ion Ratio Lower Upper

180 100

182 95.1 75.3 112.9

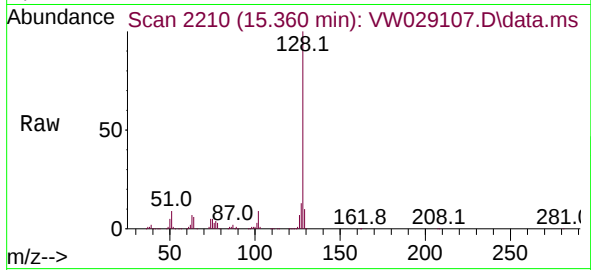
145 29.9 26.2 39.2





#71
Naphthalene
Concen: 26.248 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW029107.D
Acq: 12 Jun 2024 15:14

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 211082
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 10.6 8.6 12.8

