

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082024\
 Data File : VW029957.D
 Acq On : 20 Aug 2024 14:09
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 21 00:46:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Aug 21 00:44:34 2024
 Response via : Initial Calibration

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

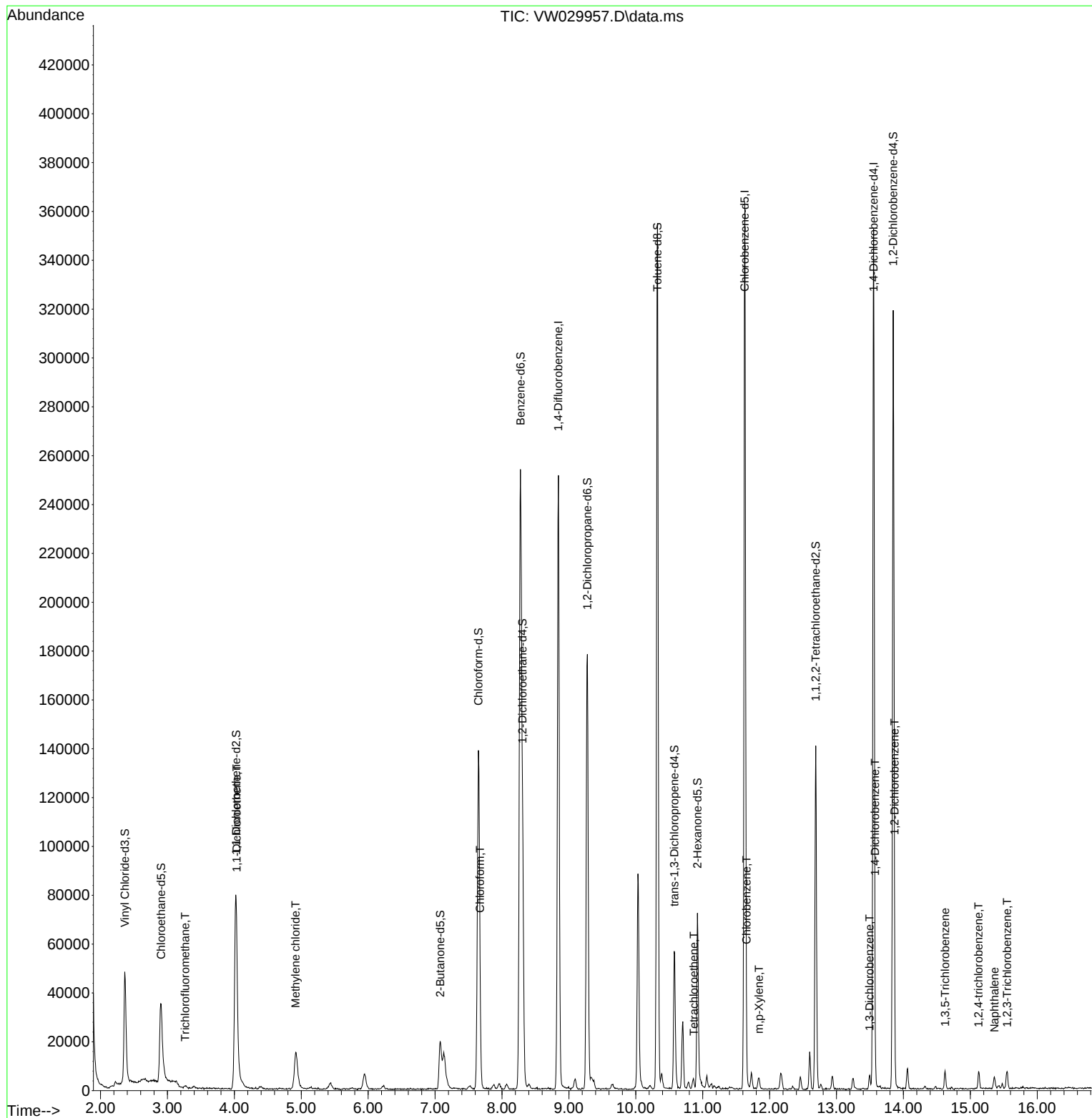
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	195306	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	190718	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	85390	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	60544	21.836	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.360%
7) Chloroethane-d5	2.905	69	52418	26.480	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.920%
11) 1,1-Dichloroethene-d2	4.027	65	27166	21.464	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.840%
21) 2-Butanone-d5	7.075	46	32345	42.562	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.120%
24) Chloroform-d	7.648	84	137288	27.155	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.600%
26) 1,2-Dichloroethane-d4	8.307	65	79305	27.539	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.160%
32) Benzene-d6	8.276	84	251715	24.427	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.720%
36) 1,2-Dichloropropane-d6	9.276	67	80018	24.319	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.280%
41) Toluene-d8	10.325	98	227127	24.788	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.160%
43) trans-1,3-Dichloroprop...	10.575	79	30901	23.209	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.840%
47) 2-Hexanone-d5	10.922	63	22304	41.109	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.220%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	66701	27.301	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	75226	28.372	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.480%
Target Compounds						Qvalue
9) Trichlorofluoromethane	3.265	101	803	0.275	ug/L #	63
12) 1,1-Dichloroethene	4.033	96	1513	0.567	ug/L #	1
16) Methylene chloride	4.917	84	12292	3.011	ug/L	86
25) Chloroform	7.673	83	2460	0.431	ug/L	98
46) Tetrachloroethene	10.867	164	888	0.357	ug/L	89
51) Chlorobenzene	11.654	112	2786	0.336	ug/L	97
53) m,p-Xylene	11.843	106	1509	0.273	ug/L #	39
64) 1,3-Dichlorobenzene	13.495	146	2059	0.365	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	2370	0.409	ug/L #	74
67) 1,2-Dichlorobenzene	13.867	146	2415	0.471	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.623	180	2264	0.587	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	2114	0.651	ug/L	93
71) Naphthalene	15.360	128	3698	0.596	ug/L	97
72) 1,2,3-Trichlorobenzene	15.549	180	2150	0.731	ug/L	98

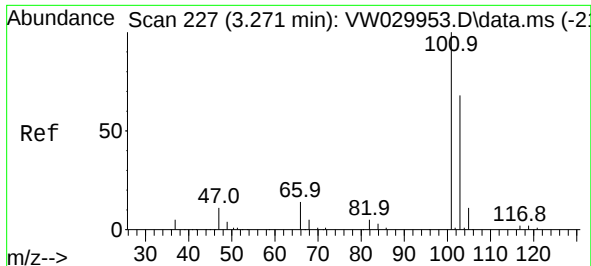
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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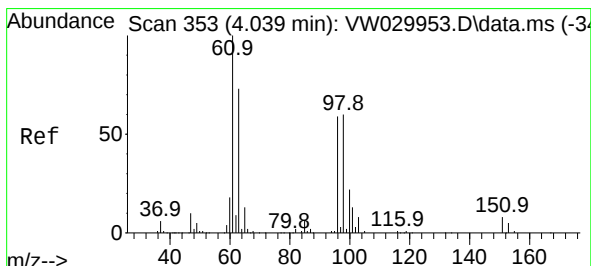
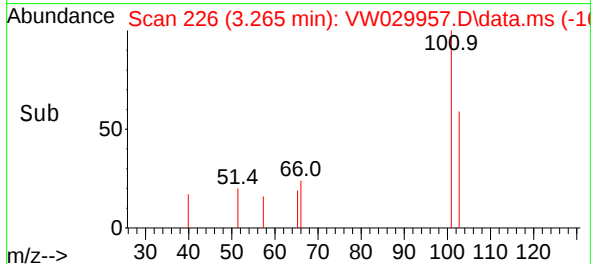
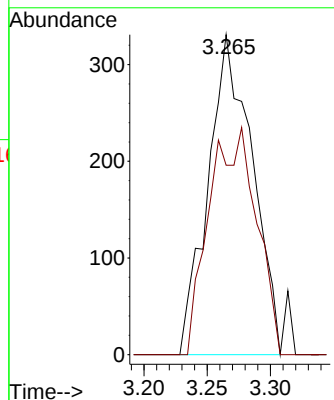
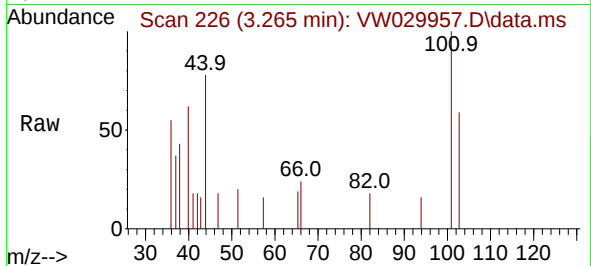




#9
 Trichlorofluoromethane
 Concen: 0.275 ug/L
 RT: 3.265 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW029957.D
 Acq: 20 Aug 2024 14:09

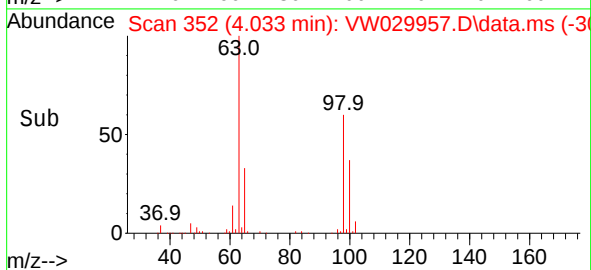
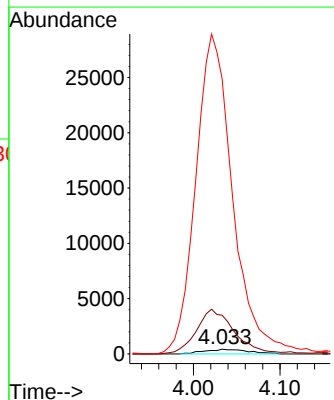
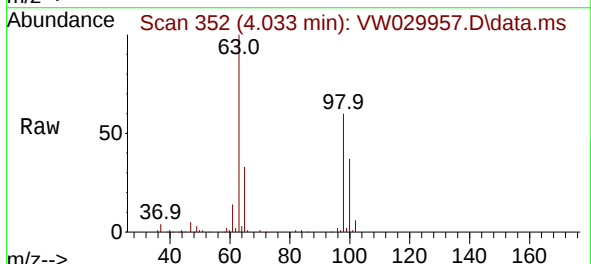
Instrument :
 MSVOA_W
 ClientSampleId :

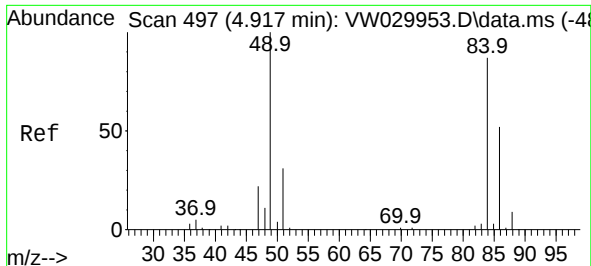
Tgt Ion:101 Resp: 803
 Ion Ratio Lower Upper
 101 100
 103 34.9 51.0 76.4#



#12
 1,1-Dichloroethene
 Concen: 0.567 ug/L
 RT: 4.033 min Scan# 352
 Delta R.T. -0.006 min
 Lab File: VW029957.D
 Acq: 20 Aug 2024 14:09

Tgt Ion: 96 Resp: 1513
 Ion Ratio Lower Upper
 96 100
 61 819.4 138.3 256.9#
 63 5815.0 89.0 165.4#

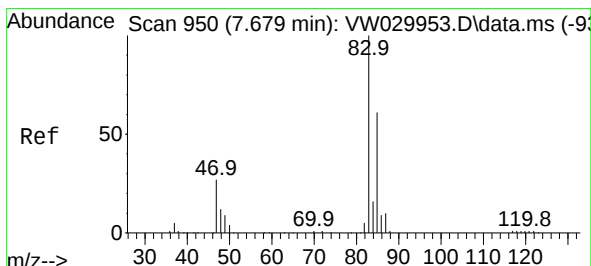
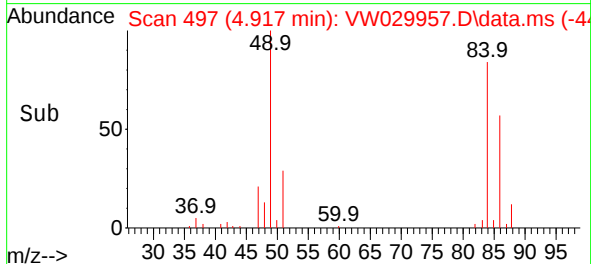
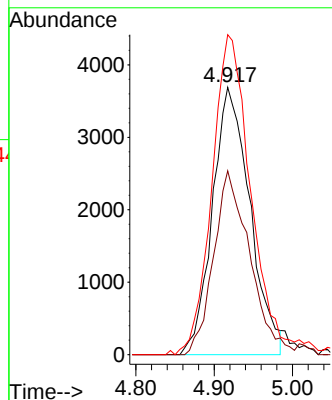
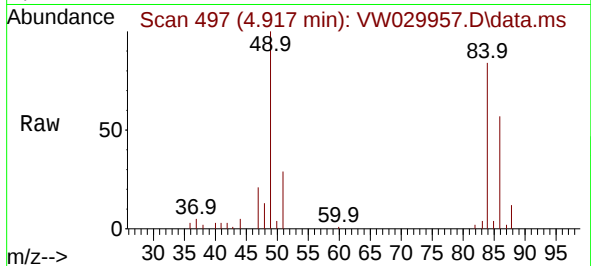




#16
Methylene chloride
Concen: 3.011 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW029957.D
Acq: 20 Aug 2024 14:09

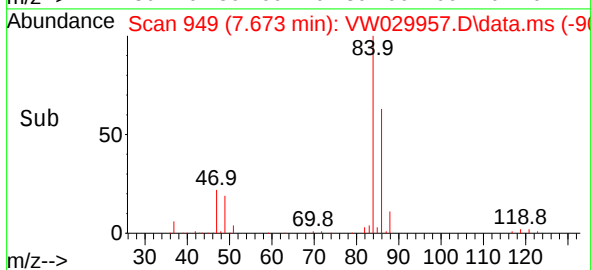
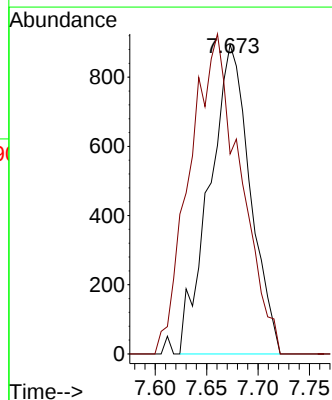
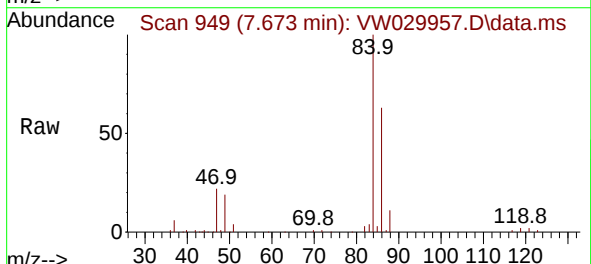
Instrument :
MSVOA_W
ClientSampleId :

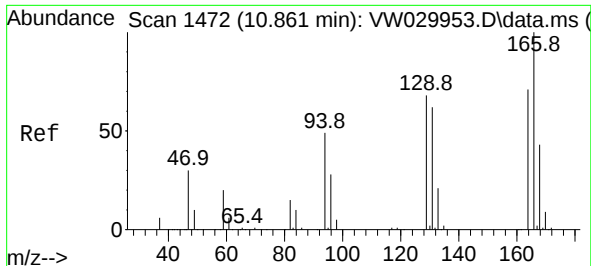
Tgt Ion: 84 Resp: 12292
Ion Ratio Lower Upper
84 100
86 68.8 44.7 82.9
49 119.7 99.0 184.0



#25
Chloroform
Concen: 0.431 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW029957.D
Acq: 20 Aug 2024 14:09

Tgt Ion: 83 Resp: 2460
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.4





#46

Tetrachloroethene

Concen: 0.357 ug/L

RT: 10.867 min Scan# 1472

Delta R.T. 0.006 min

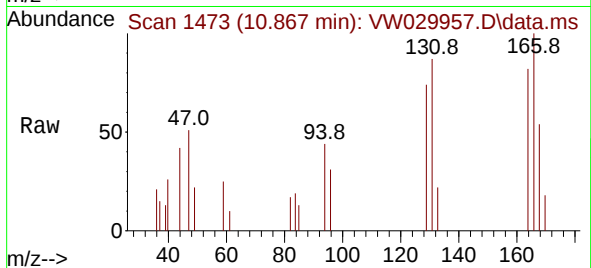
Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 888

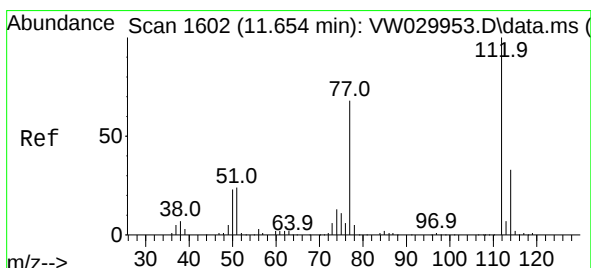
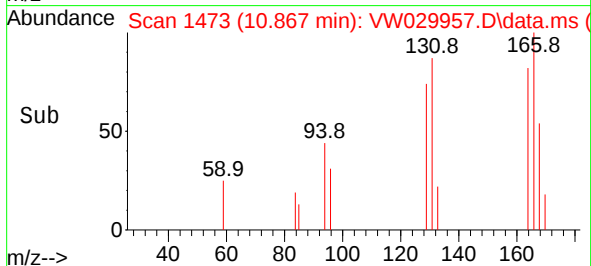
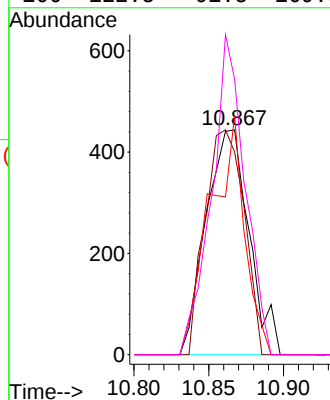
Ion Ratio Lower Upper

164 100

129 90.1 77.8 144.6

131 106.3 70.9 131.7

166 122.5 91.5 169.9



#51

Chlorobenzene

Concen: 0.336 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

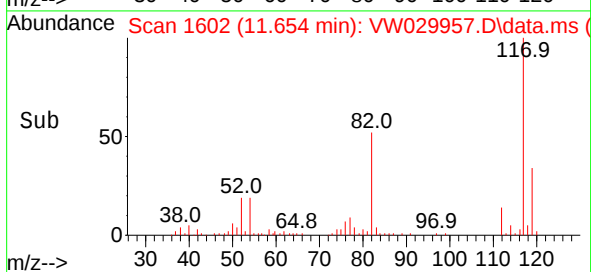
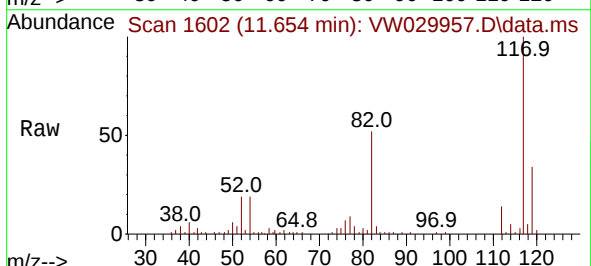
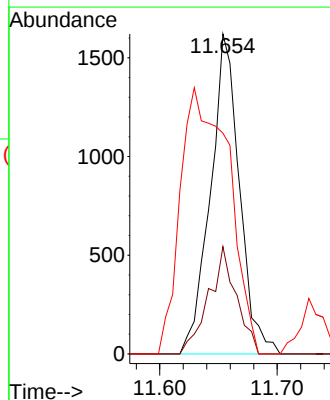
Tgt Ion:112 Resp: 2786

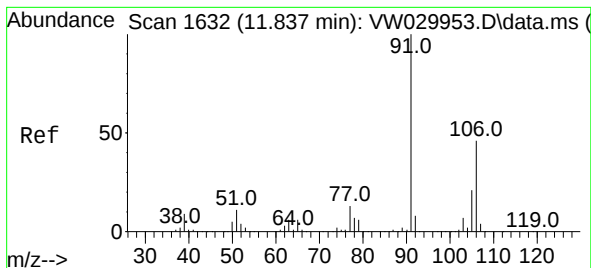
Ion Ratio Lower Upper

112 100

114 33.6 22.0 40.8

77 69.0 53.8 80.8





#53

m,p-Xylene

Concen: 0.273 ug/L

RT: 11.843 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

Instrument :

MSVOA_W

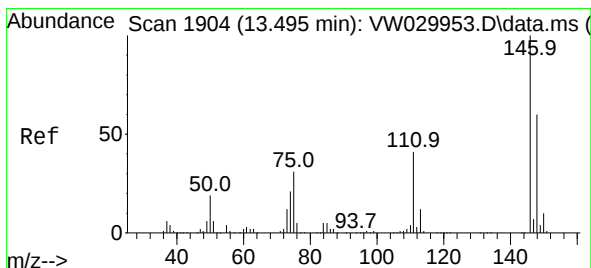
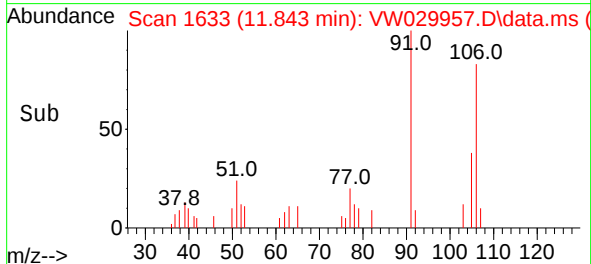
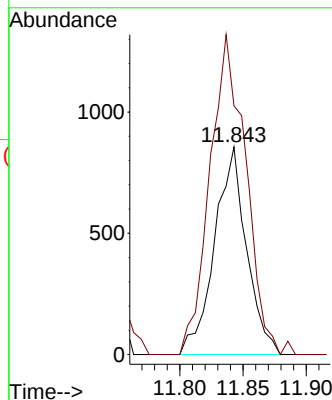
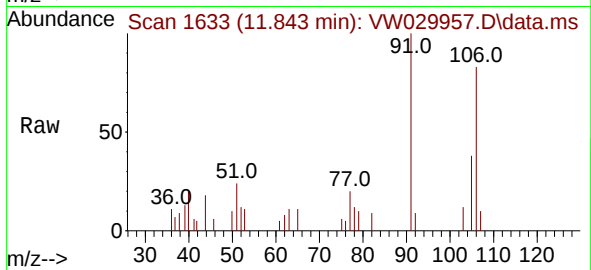
ClientSampleId :

Tgt Ion:106 Resp: 1509

Ion Ratio Lower Upper

106 100

91 119.9 151.4 281.2#



#64

1,3-Dichlorobenzene

Concen: 0.365 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

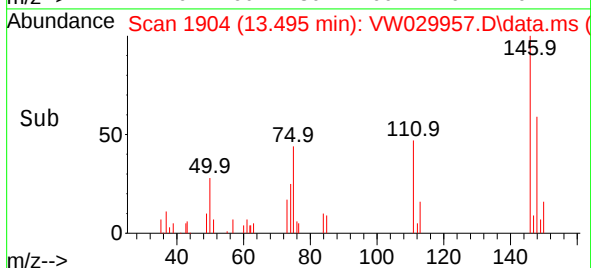
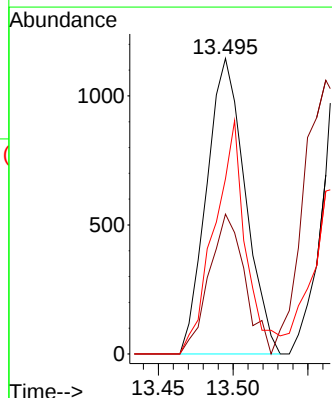
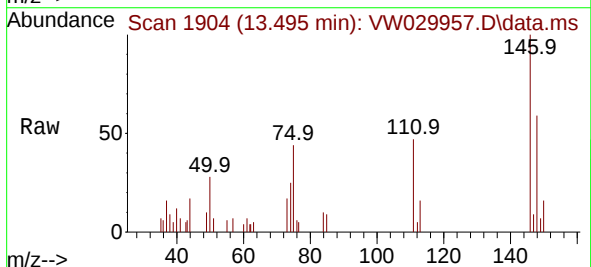
Tgt Ion:146 Resp: 2059

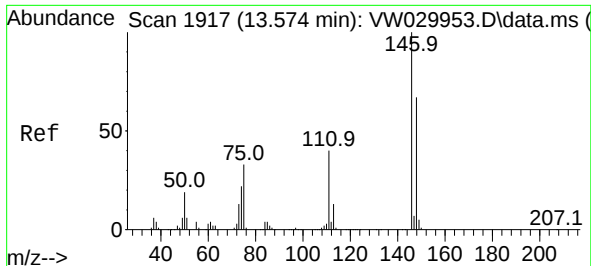
Ion Ratio Lower Upper

146 100

111 47.3 28.7 53.3

148 59.3 43.4 80.6





#65

1,4-Dichlorobenzene

Concen: 0.409 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029957.D

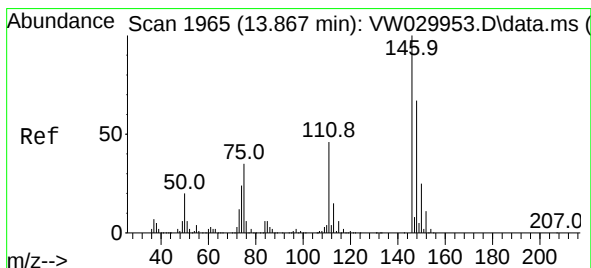
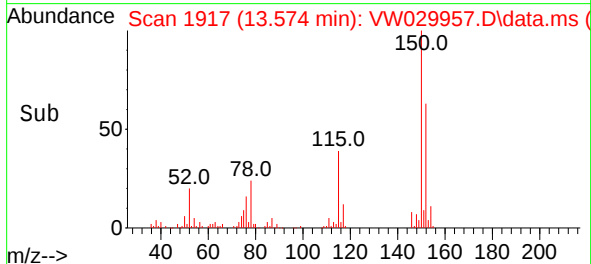
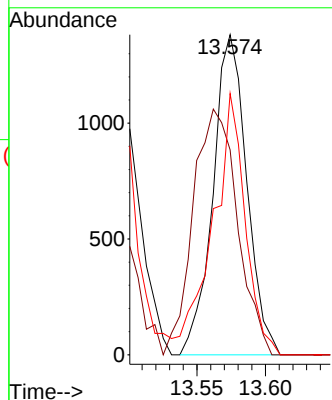
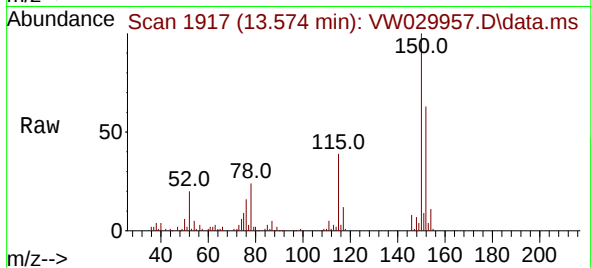
Acq: 20 Aug 2024 14:09

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	2370
Ion Ratio	Lower	Upper
146	100	
111	64.0	30.1 55.9#
148	81.6	45.4 84.4



#67

1,2-Dichlorobenzene

Concen: 0.471 ug/L

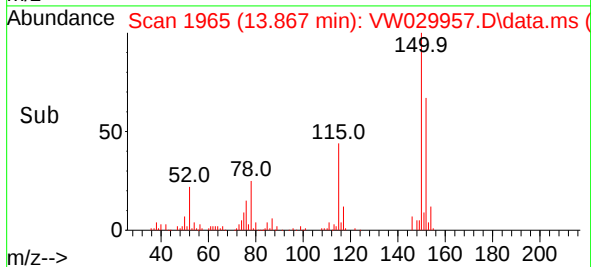
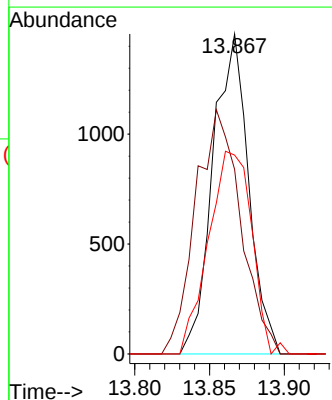
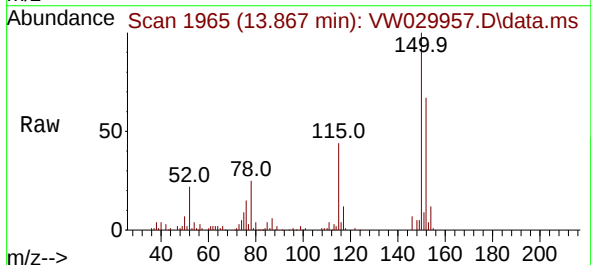
RT: 13.867 min Scan# 1965

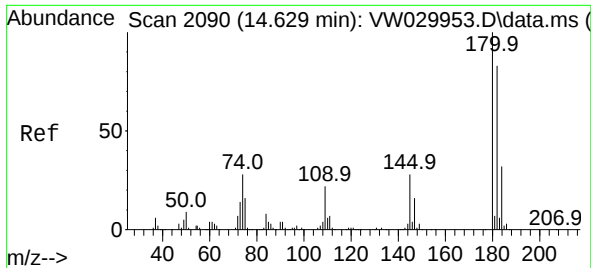
Delta R.T. 0.000 min

Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

Tgt Ion:146	Resp:	2415
Ion Ratio	Lower	Upper
146	100	
111	57.7	35.8 53.8#
148	62.2	52.6 78.8





#69

1,3,5-Trichlorobenzene

Concen: 0.587 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

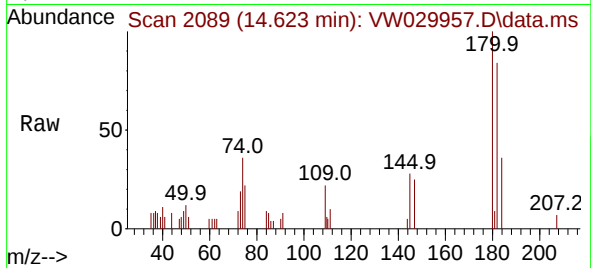
Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 2264

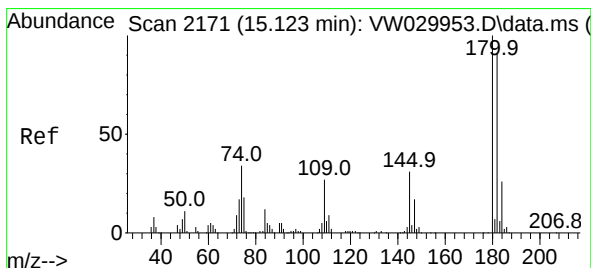
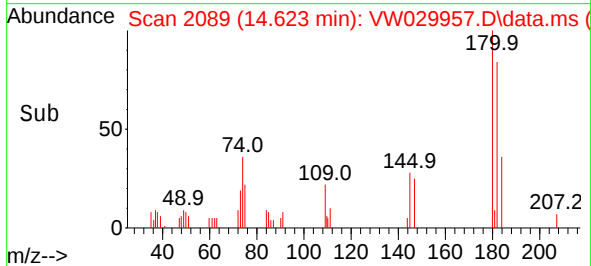
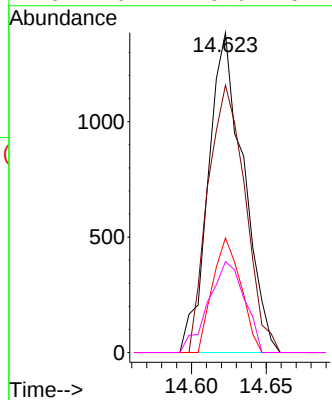
Ion Ratio Lower Upper

180 100

182 88.2 72.7 109.1

184 28.8 23.3 34.9

145 29.2 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 0.651 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW029957.D

Acq: 20 Aug 2024 14:09

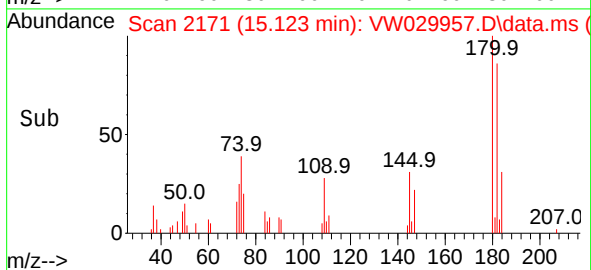
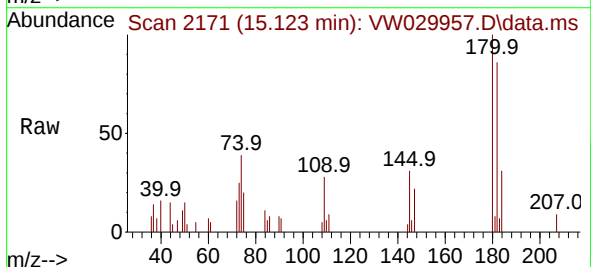
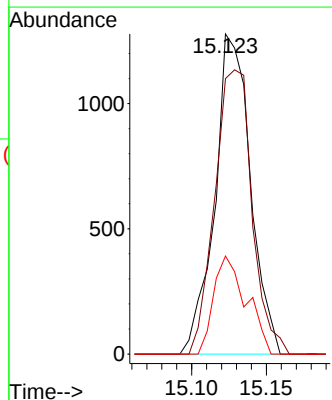
Tgt Ion:180 Resp: 2114

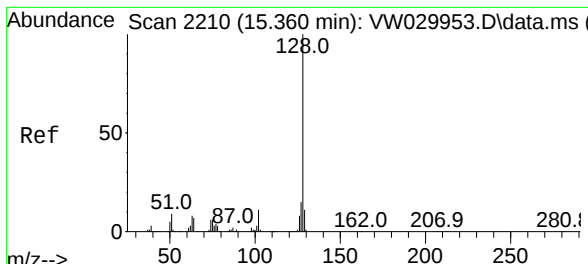
Ion Ratio Lower Upper

180 100

182 93.1 80.2 120.4

145 28.1 26.3 39.5

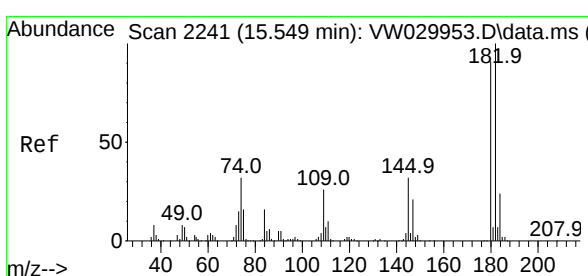
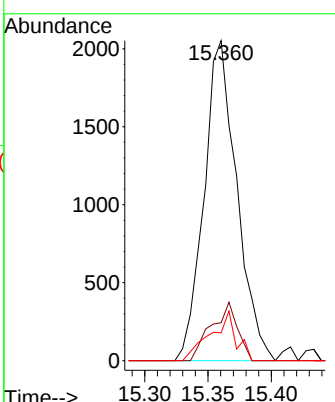
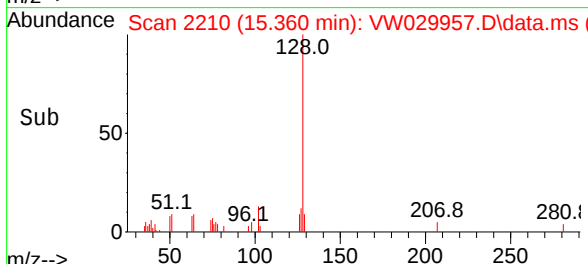
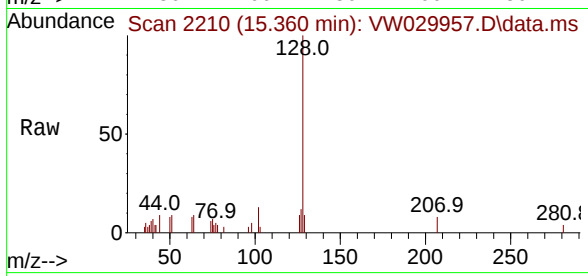




#71
 Naphthalene
 Concen: 0.596 ug/L
 RT: 15.360 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: VW029957.D
 Acq: 20 Aug 2024 14:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:	128	Resp:	3698
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.7	16.1
129	12.0	8.9	13.3



#72
 1,2,3-Trichlorobenzene
 Concen: 0.731 ug/L
 RT: 15.549 min Scan# 2241
 Delta R.T. 0.000 min
 Lab File: VW029957.D
 Acq: 20 Aug 2024 14:09

Tgt Ion:	180	Resp:	2150
Ion Ratio	Lower	Upper	
180	100		
182	92.3	74.0	111.0
145	37.9	27.5	41.3

