

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
 Data File : VW030439.D
 Acq On : 08 Oct 2024 11:29
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 09 01:17:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 09 01:13:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	205	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.635	117	305	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	212	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.000%#
21) 2-Butanone-d5	7.136	46	161	249.919	ug/L	0.05
Spiked Amount	50.000	Range	20 - 135	Recovery	=	499.840%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.000%#
32) Benzene-d6	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	20 - 135	Recovery	=	0.000%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	10.325	98	270	17.225	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.880%
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.000%#
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.000%#
66) 1,2-Dichlorobenzene-d4	13.848	152	197	27.988	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.960%
Target Compounds						
					Qvalue	
13) Acetone	4.131	43	53	77.557	ug/L	# 1
16) Methylene chloride	4.917	84	606	192.063	ug/L	81
22) 2-Butanone	7.124	43	467	534.574	ug/L	# 47
31) Carbon tetrachloride	8.258	117	62	9.819	ug/L	# 2
40) 4-Methyl-2-pentanone	9.983	43	151	59.895	ug/L	# 43
42) Toluene	10.392	91	40	2.011	ug/L	# 20
44) trans-1,3-Dichloropropene	10.617	75	48	7.708	ug/L	# 45
45) 1,1,2-Trichloroethane	10.709	97	128	37.057	ug/L	# 16
46) Tetrachloroethene	10.715	164	41	11.093	ug/L	# 1
48) 2-Hexanone	11.081	43	99	53.329	ug/L	# 36
52) Ethylbenzene	11.727	91	38	1.687	ug/L	# 43
60) Isopropylbenzene	12.464	105	204	6.779	ug/L	# 24
61) 1,2,3-Trichloropropane	12.922	75	44	10.918	ug/L	# 39
62) 1,3,5-Trimethylbenzene	13.257	105	305	12.531	ug/L	91
63) 1,2,4-Trimethylbenzene	13.257	105	305	12.683	ug/L	# 85
64) 1,3-Dichlorobenzene	13.507	146	345	25.656	ug/L	# 74
65) 1,4-Dichlorobenzene	13.574	146	383	27.880	ug/L	# 78
67) 1,2-Dichlorobenzene	13.861	146	286	23.856	ug/L	# 38
69) 1,3,5-Trichlorobenzene	14.623	180	874	94.168	ug/L	92

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Quant Title : SFAM01.0
QLast Update : Wed Oct 09 01:13:46 2024
Response via : Initial Calibration

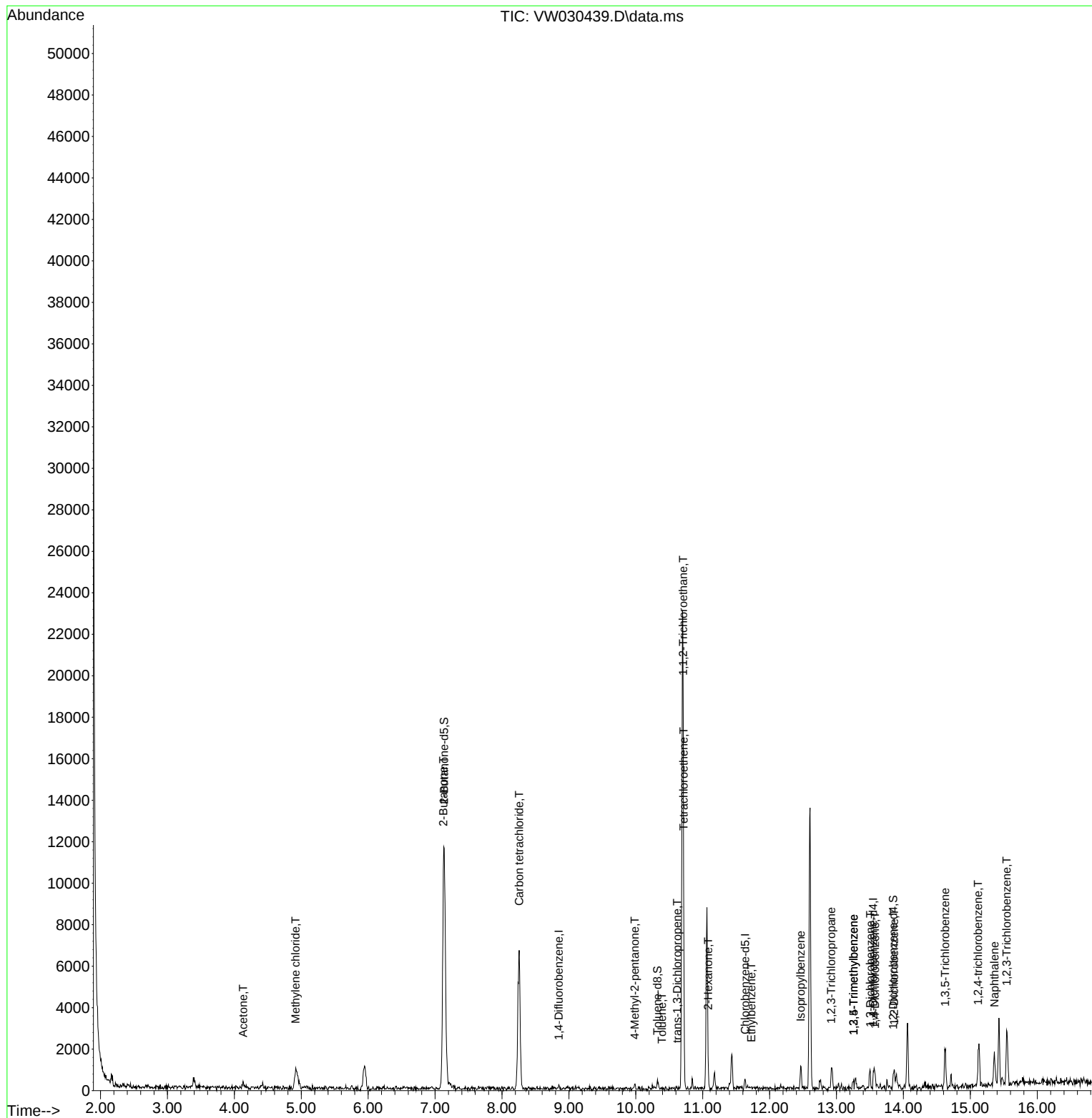
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.116	180	900	117.120	ug/L	95
71) Naphthalene	15.360	128	1870	133.041	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.543	180	1201	178.553	ug/L	95

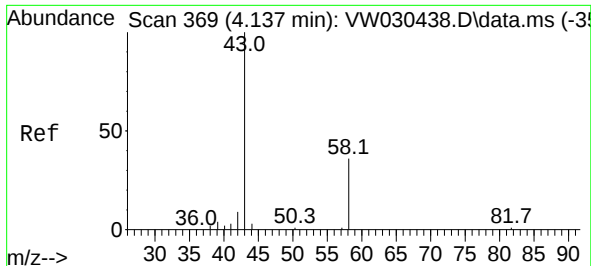
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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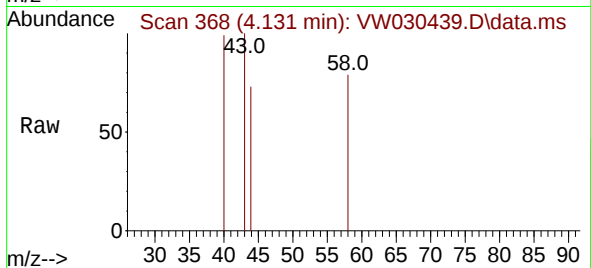
Quant Time: Oct 09 01:17:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 09 01:13:46 2024
Response via : Initial Calibration



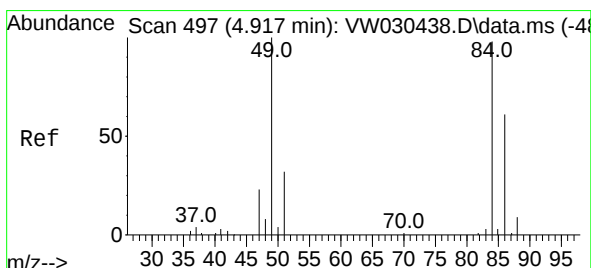
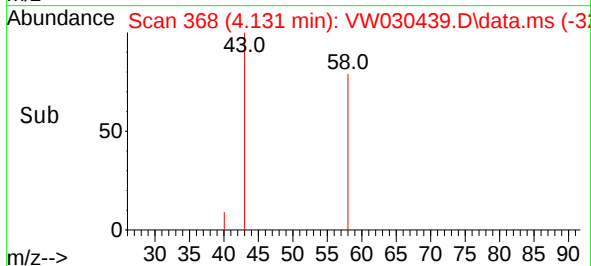
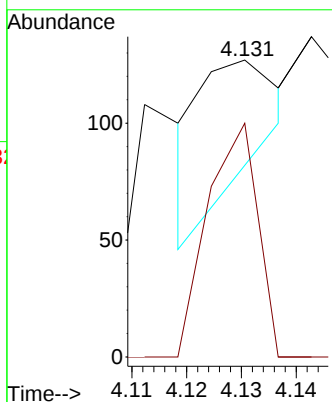


#13
Acetone
Concen: 77.557 ug/L
RT: 4.131 min Scan# 368
Delta R.T. -0.006 min
Lab File: VW030439.D
Acq: 08 Oct 2024 11:29

Instrument :
MSVOA_W
ClientSampleId :

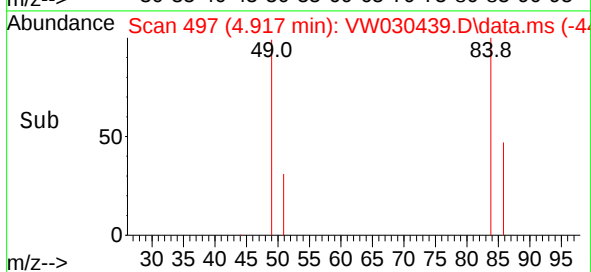
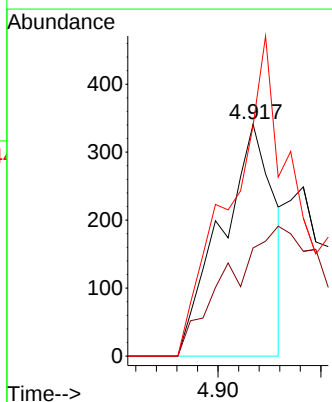
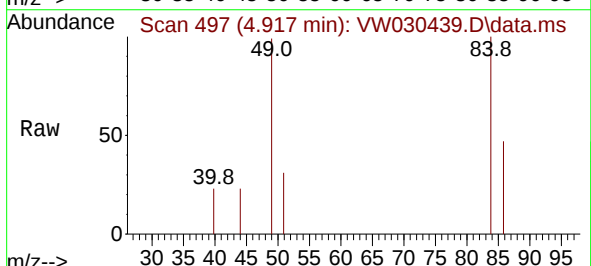


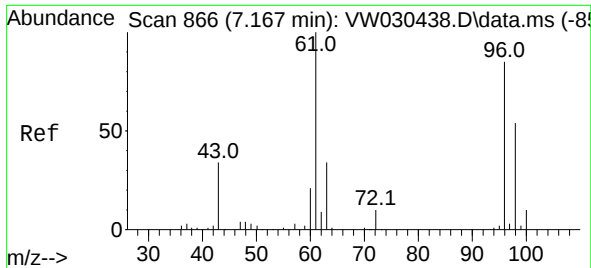
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 118.9 0.0 64.0#



#16
Methylene chloride
Concen: 192.063 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW030439.D
Acq: 08 Oct 2024 11:29

Tgt Ion: 84 Resp: 606
Ion Ratio Lower Upper
84 100
86 46.6 44.8 83.2
49 99.4 83.6 155.2

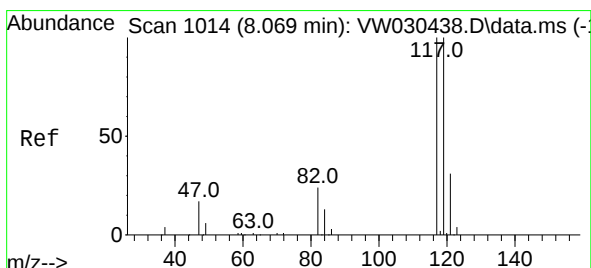
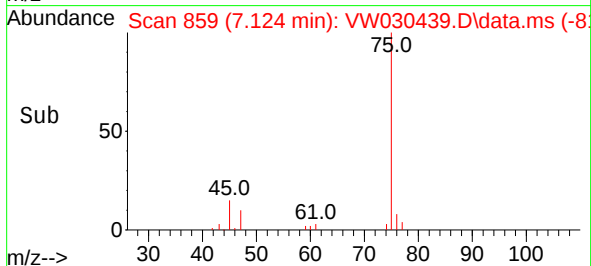
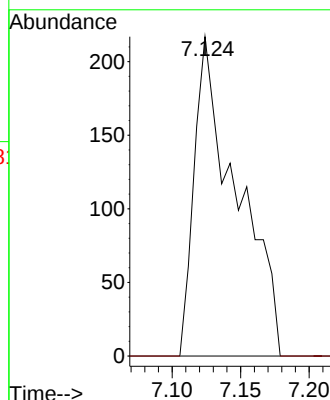
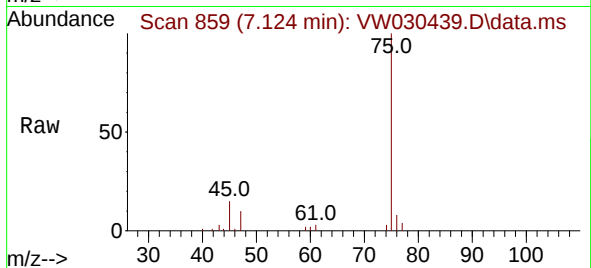




#22
2-Butanone
Concen: 534.574 ug/L
RT: 7.124 min Scan# 866
Delta R.T. -0.043 min
Lab File: VW030439.D
Acq: 08 Oct 2024 11:29

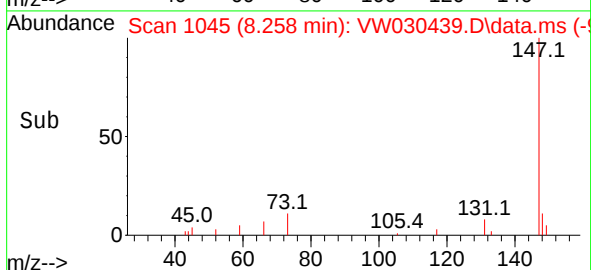
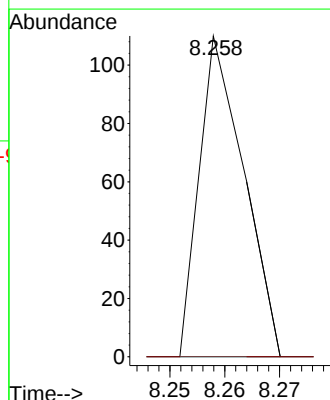
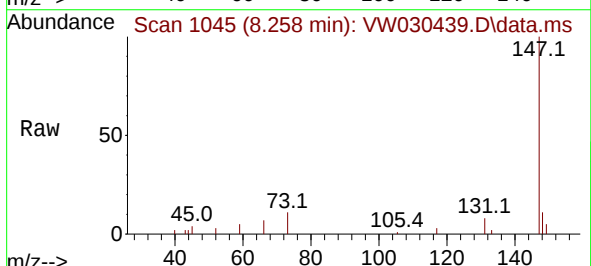
Instrument :
MSVOA_W
ClientSampleId :

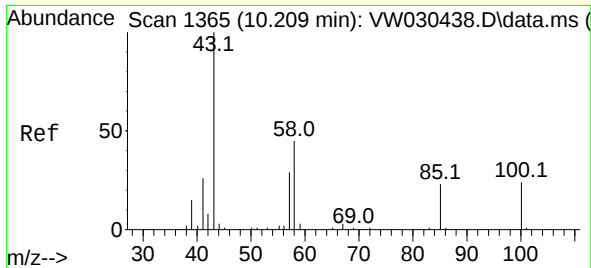
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
72 0.0 14.1 42.3#



#31
Carbon tetrachloride
Concen: 9.819 ug/L
RT: 8.258 min Scan# 1045
Delta R.T. 0.189 min
Lab File: VW030439.D
Acq: 08 Oct 2024 11:29

Tgt Ion: 117 Resp: 62
Ion Ratio Lower Upper
117 100
119 0.0 75.5 113.3#





#40

4-Methyl-2-pentanone

Concen: 59.895 ug/L

RT: 9.983 min Scan# 1328

Delta R.T. -0.226 min

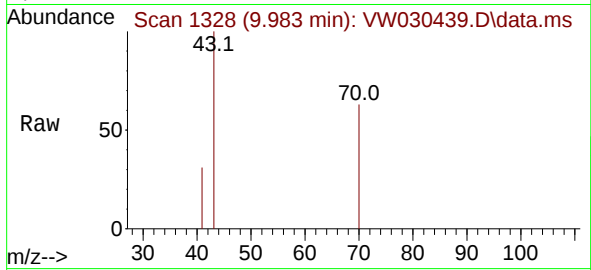
Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

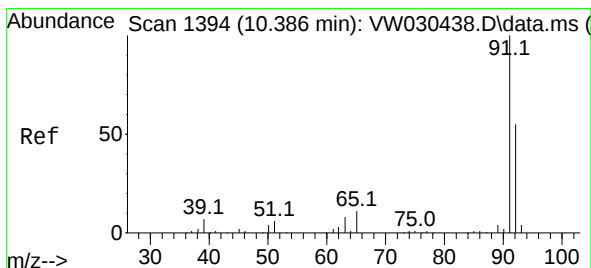
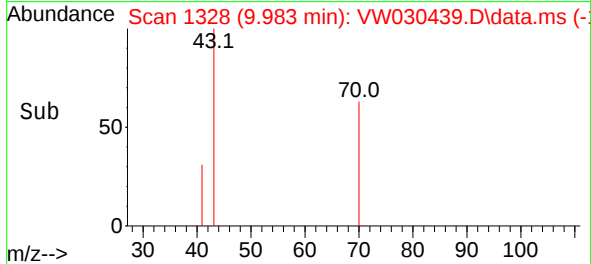
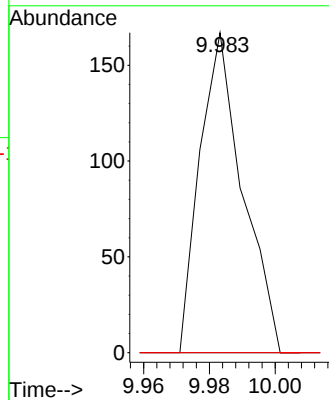
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	43	Resp:	151
Ion Ratio	Lower	Upper	
43	100		
58	0.0	32.6	48.8#
100	0.0	12.5	18.7#



#42

Toluene

Concen: 2.011 ug/L

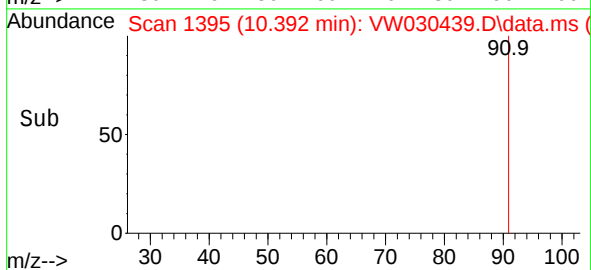
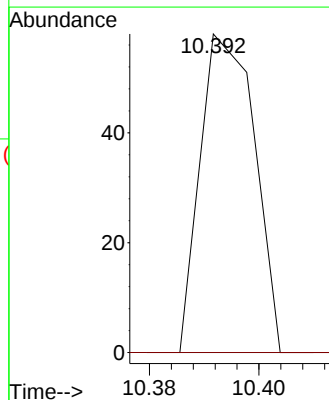
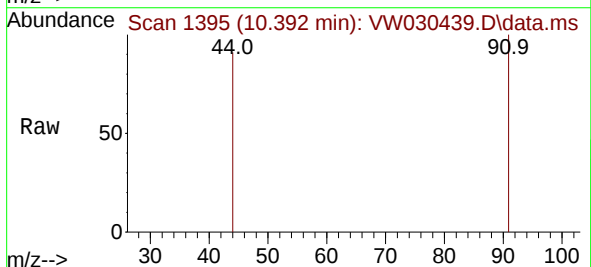
RT: 10.392 min Scan# 1395

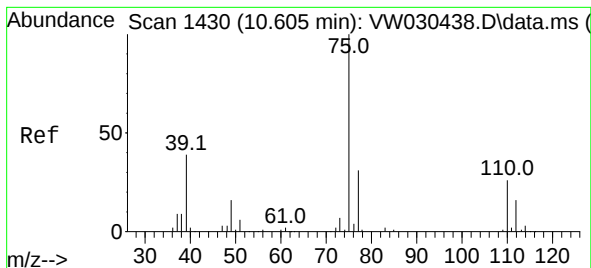
Delta R.T. 0.006 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Tgt Ion:	91	Resp:	40
Ion Ratio	Lower	Upper	
91	100		
92	0.0	42.3	78.5#





#44

trans-1,3-Dichloropropene

Concen: 7.708 ug/L

RT: 10.617 min Scan# 1432

Delta R.T. 0.012 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

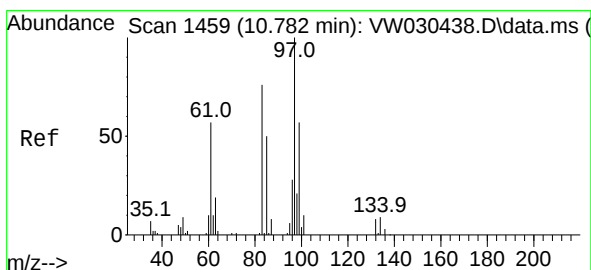
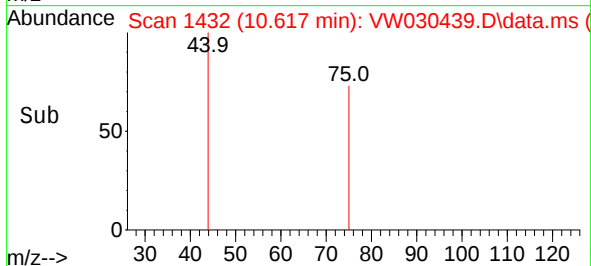
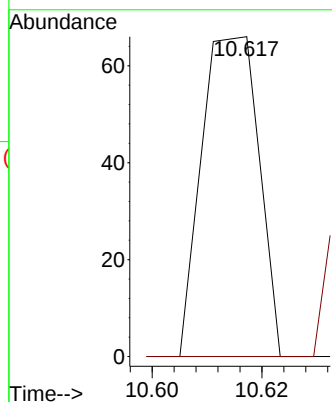
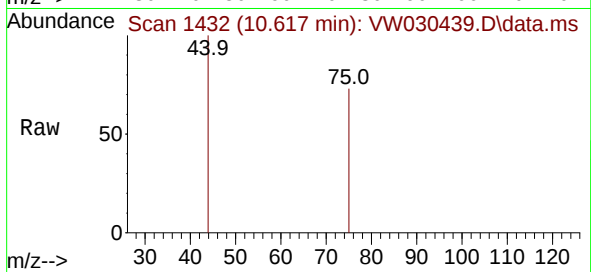
ClientSampleId :

Tgt Ion: 75 Resp: 48

Ion Ratio Lower Upper

75 100

77 0.0 20.8 38.6#



#45

1,1,2-Trichloroethane

Concen: 37.057 ug/L

RT: 10.709 min Scan# 1447

Delta R.T. -0.073 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Tgt Ion: 97 Resp: 128

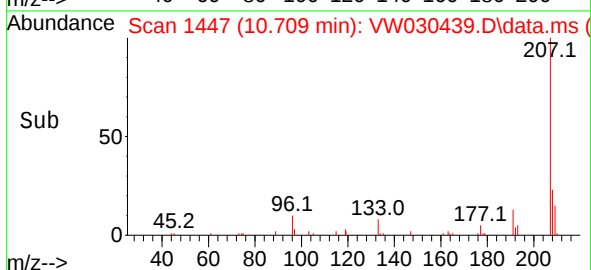
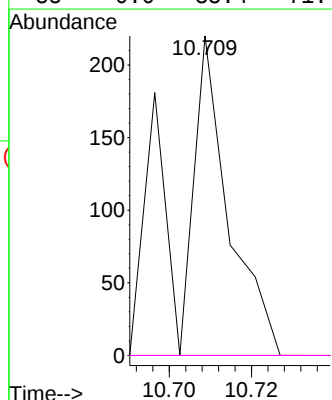
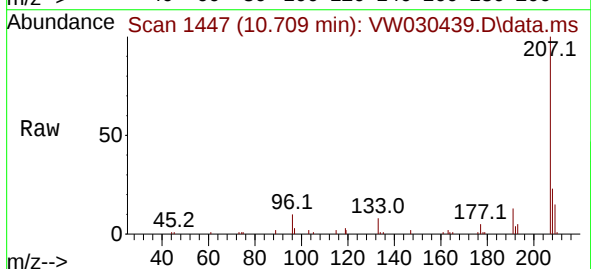
Ion Ratio Lower Upper

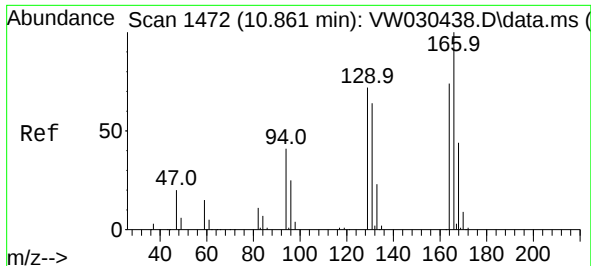
97 100

99 0.0 40.8 75.8#

83 0.0 59.1 109.7#

85 0.0 38.4 71.4#





#46

Tetrachloroethene

Concen: 11.093 ug/L

RT: 10.715 min Scan# 14

Delta R.T. -0.146 min

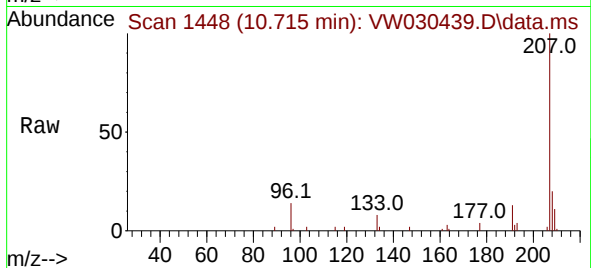
Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 41

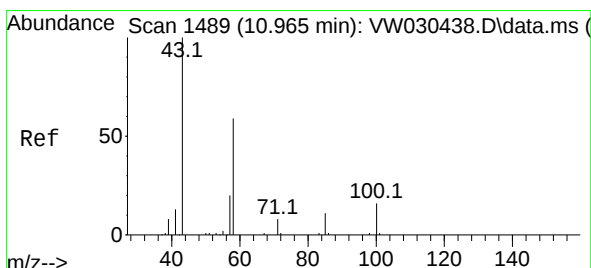
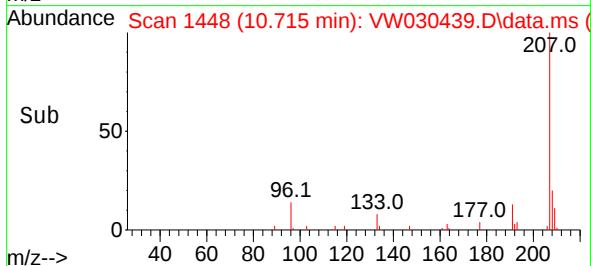
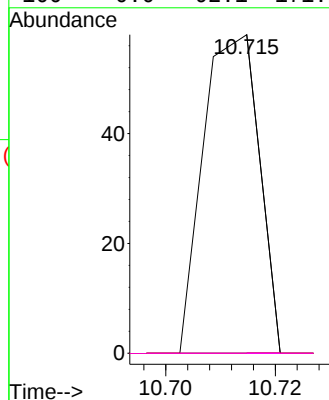
Ion Ratio Lower Upper

164 100

129 0.0 67.2 124.8#

131 0.0 65.9 122.3#

166 0.0 92.1 171.1#



#48

2-Hexanone

Concen: 53.329 ug/L

RT: 11.081 min Scan# 1508

Delta R.T. 0.116 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Tgt Ion: 43 Resp: 99

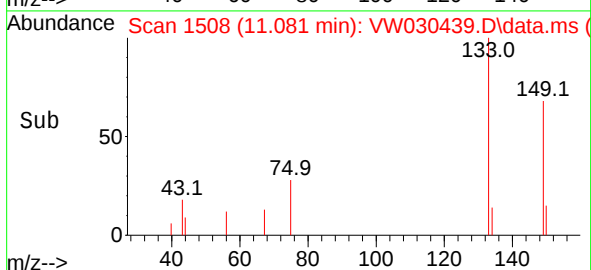
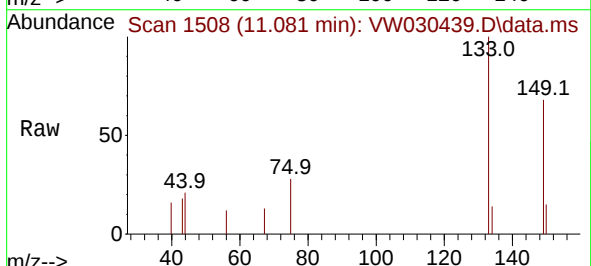
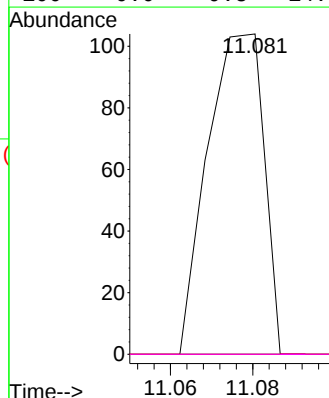
Ion Ratio Lower Upper

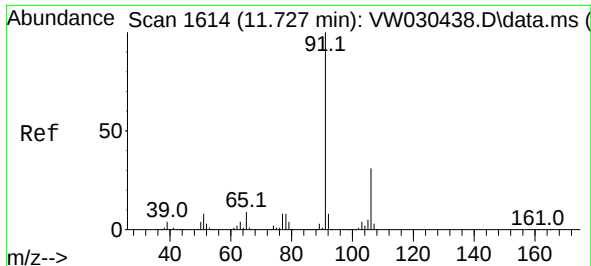
43 100

58 0.0 46.1 69.1#

57 0.0 15.3 22.9#

100 0.0 9.8 14.8#





#52

Ethylbenzene

Concen: 1.687 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

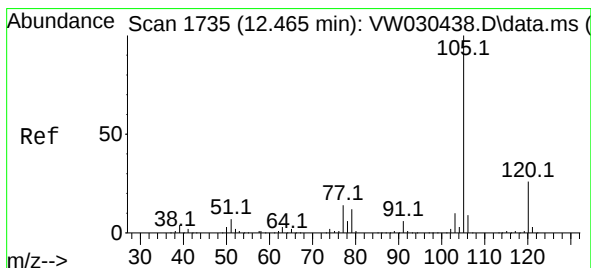
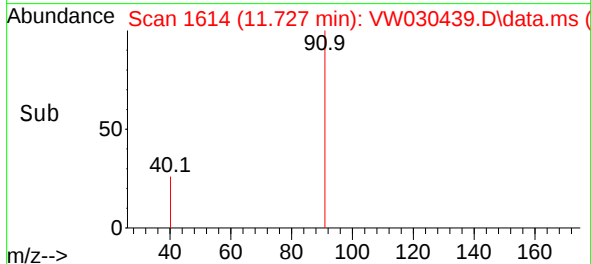
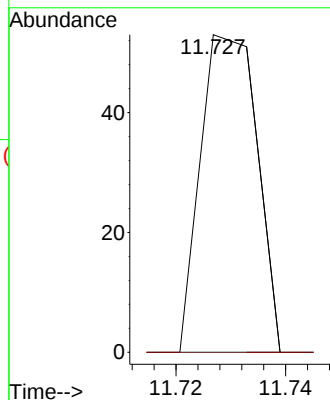
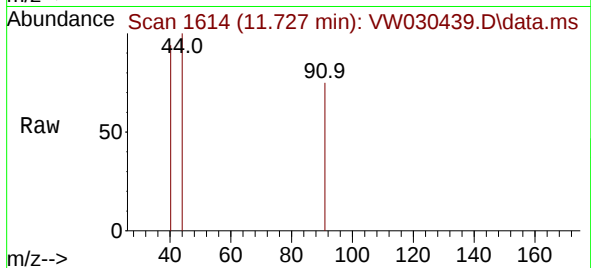
ClientSampleId :

Tgt Ion: 91 Resp: 38

Ion Ratio Lower Upper

91 100

106 0.0 21.8 40.6#



#60

Isopropylbenzene

Concen: 6.779 ug/L

RT: 12.464 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

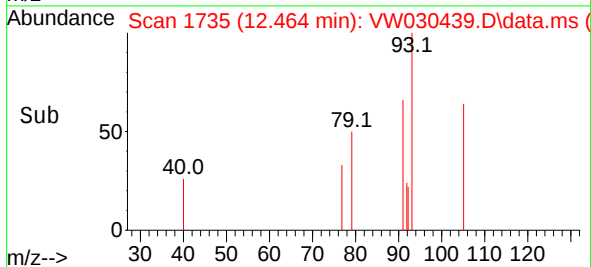
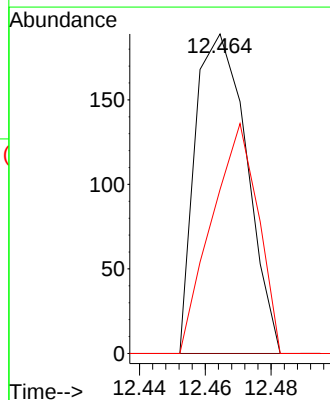
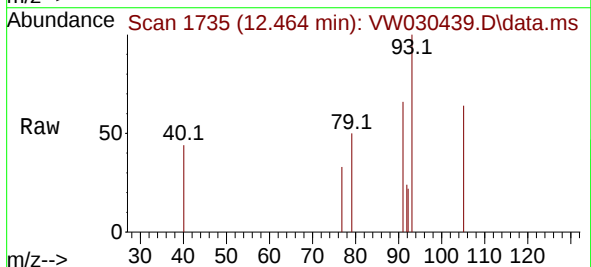
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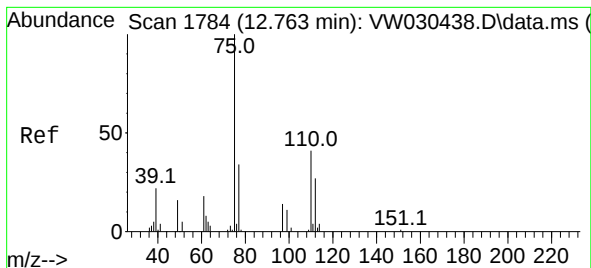
Ion Ratio Lower Upper

105 100

120 0.0 21.2 31.8#

77 65.7 13.0 19.6#

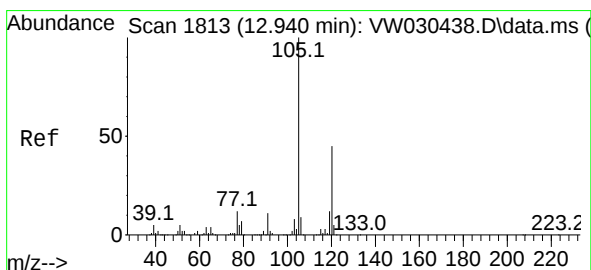
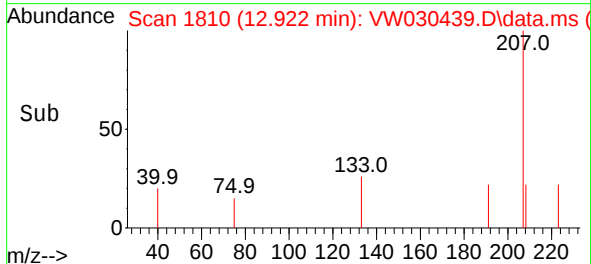
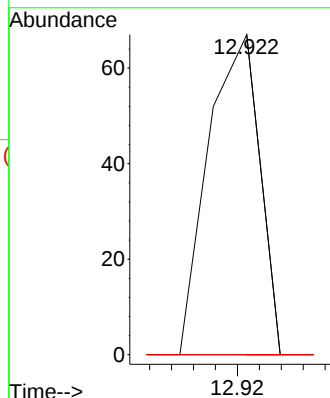
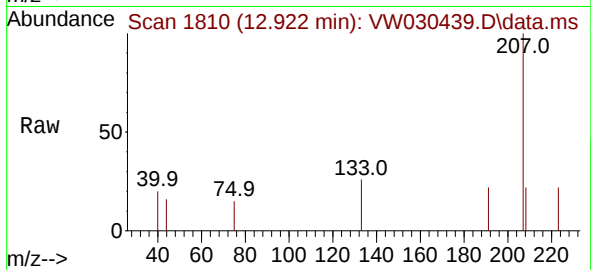




#61
1,2,3-Trichloropropane
Concen: 10.918 ug/L
RT: 12.922 min Scan# 11
Delta R.T. 0.158 min
Lab File: VW030439.D
Acq: 08 Oct 2024 11:29

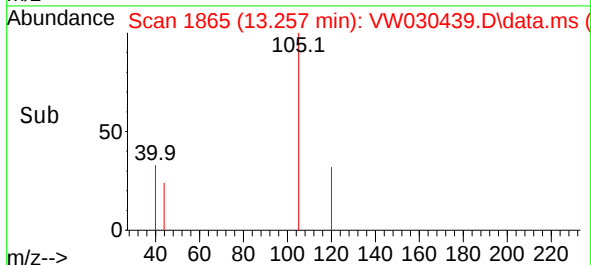
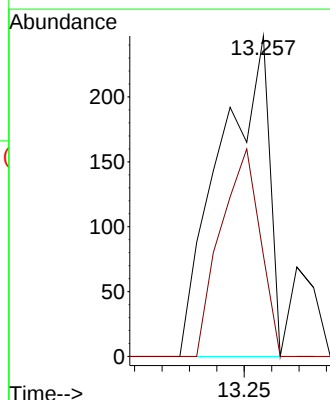
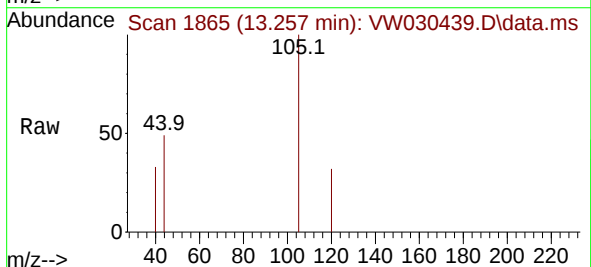
Instrument :
MSVOA_W
ClientSampleId :

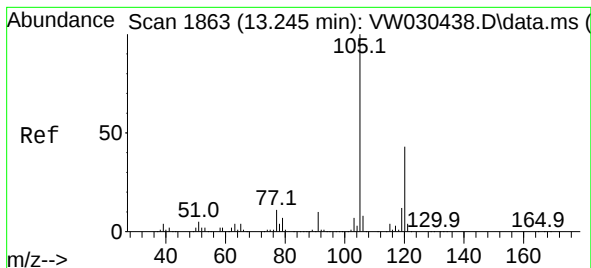
Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
110 0.0 30.8 46.2#



#62
1,3,5-Trimethylbenzene
Concen: 12.531 ug/L
RT: 13.257 min Scan# 1865
Delta R.T. 0.317 min
Lab File: VW030439.D
Acq: 08 Oct 2024 11:29

Tgt Ion:105 Resp: 305
Ion Ratio Lower Upper
105 100
120 52.8 37.4 56.0





#63

1,2,4-Trimethylbenzene

Concen: 12.683 ug/L

RT: 13.257 min Scan# 11

Delta R.T. 0.012 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

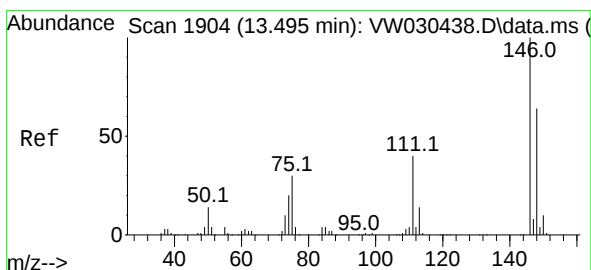
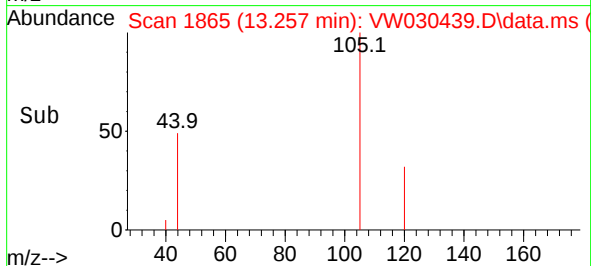
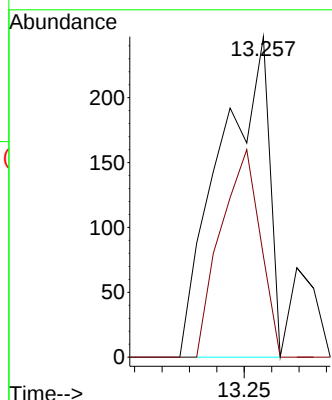
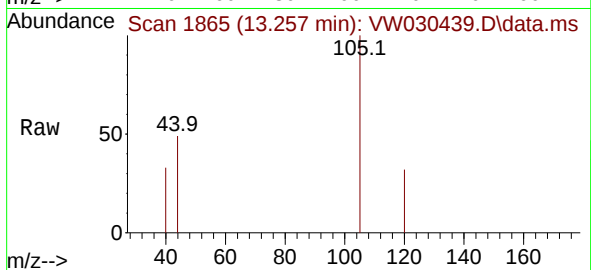
ClientSampleId :

Tgt Ion:105 Resp: 305

Ion Ratio Lower Upper

105 100

120 52.8 34.4 51.6#



#64

1,3-Dichlorobenzene

Concen: 25.656 ug/L

RT: 13.507 min Scan# 1906

Delta R.T. 0.012 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

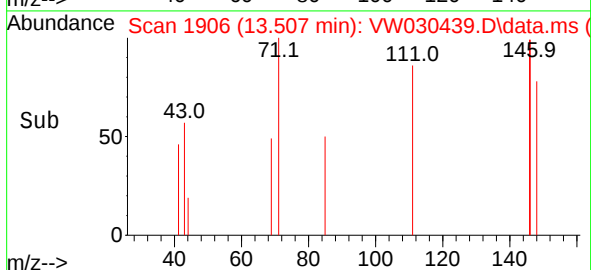
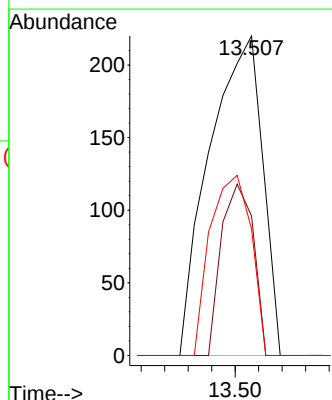
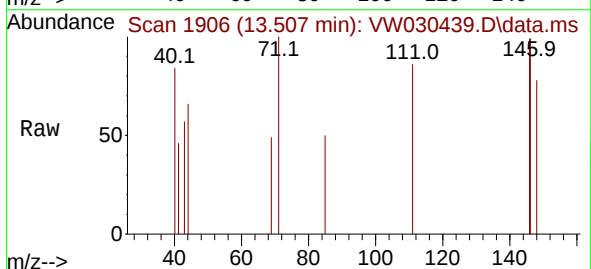
Tgt Ion:146 Resp: 345

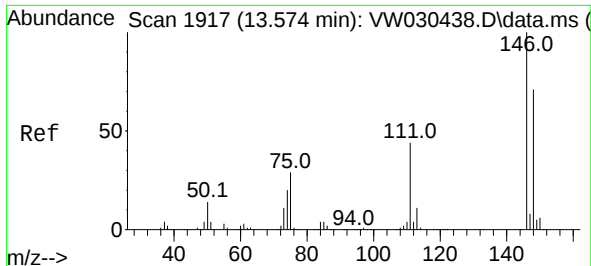
Ion Ratio Lower Upper

146 100

111 43.6 33.2 61.6

148 39.5 50.4 93.6#





#65

1,4-Dichlorobenzene

Concen: 27.880 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW030439.D

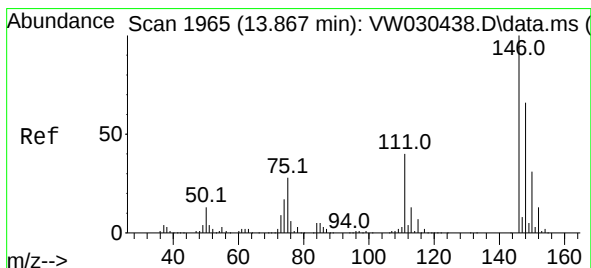
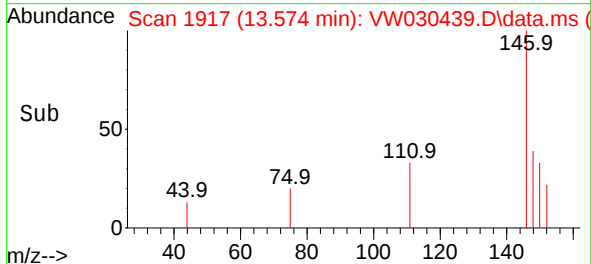
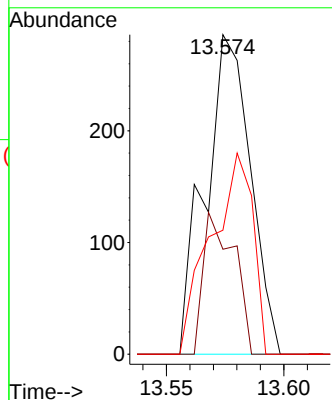
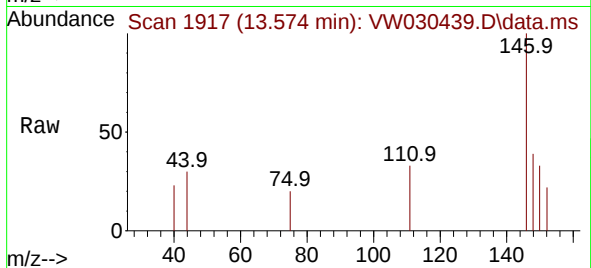
Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	383
Ion Ratio	Lower	Upper
146	100	
111	32.9	29.1 54.1
148	38.8	42.1 78.1#



#67

1,2-Dichlorobenzene

Concen: 23.856 ug/L

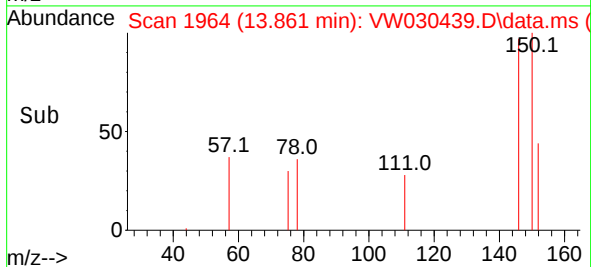
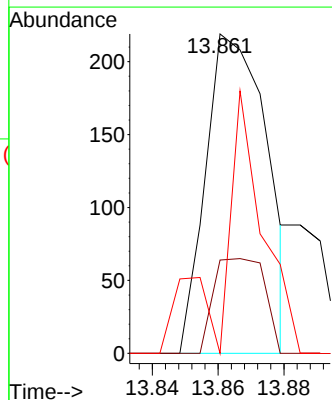
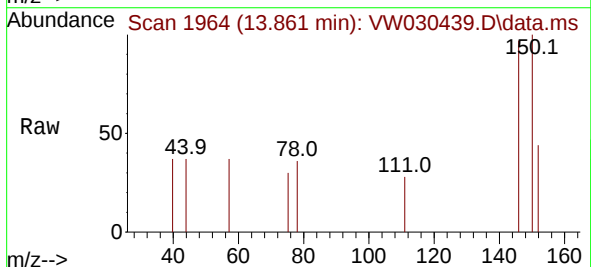
RT: 13.861 min Scan# 1964

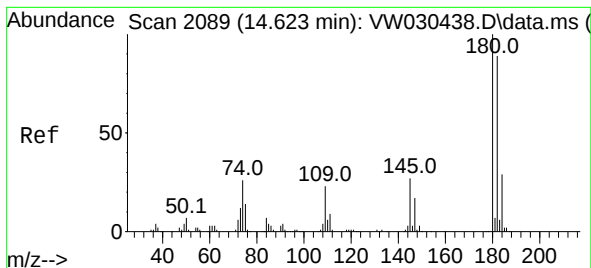
Delta R.T. -0.006 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Tgt Ion:146	Resp:	286
Ion Ratio	Lower	Upper
146	100	
111	29.2	40.1 60.1#
148	0.0	55.7 83.5#





#69

1,3,5-Trichlorobenzene

Concen: 94.168 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

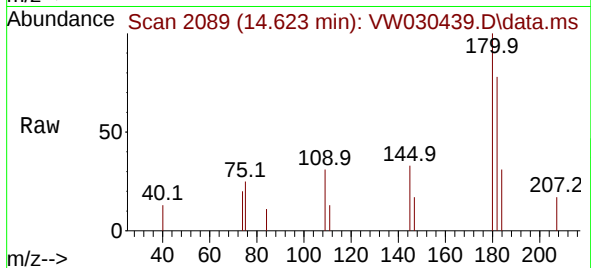
Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 874

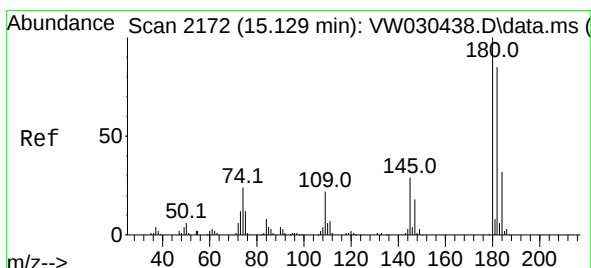
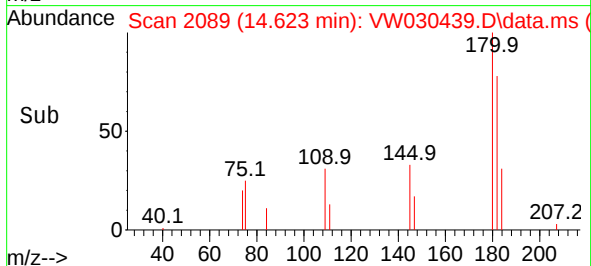
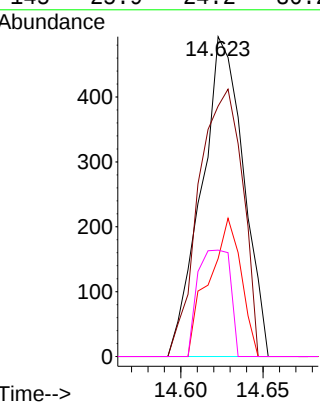
Ion Ratio Lower Upper

180 100

182 87.4 77.4 116.2

184 33.4 24.5 36.7

145 25.9 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 117.120 ug/L

RT: 15.116 min Scan# 2170

Delta R.T. -0.012 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

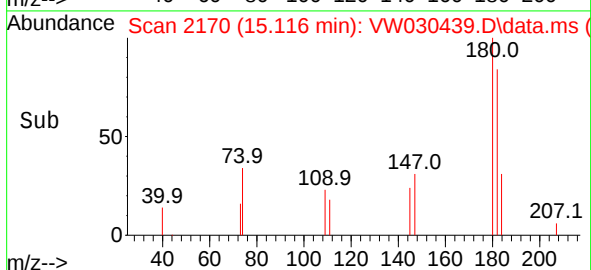
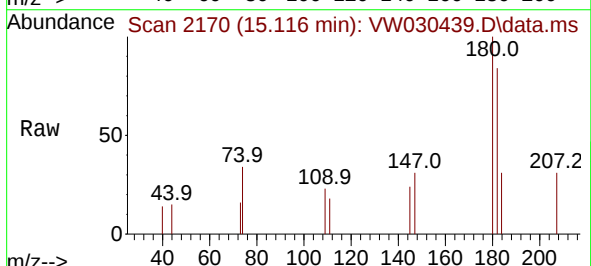
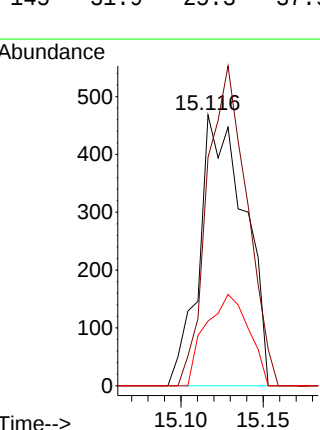
Tgt Ion:180 Resp: 900

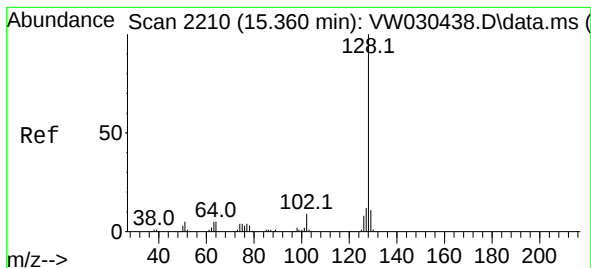
Ion Ratio Lower Upper

180 100

182 103.4 77.2 115.8

145 31.9 25.3 37.9





#71

Naphthalene

Concen: 133.041 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW030439.D

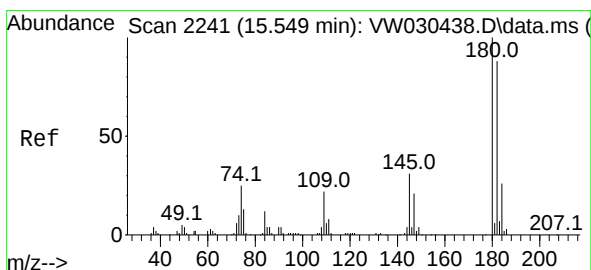
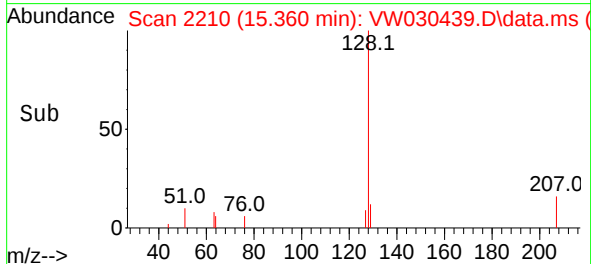
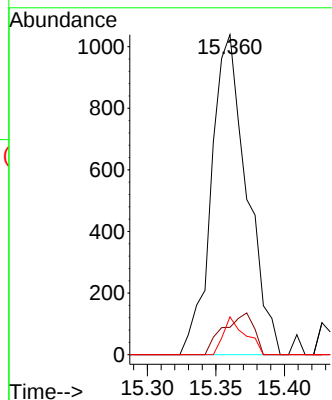
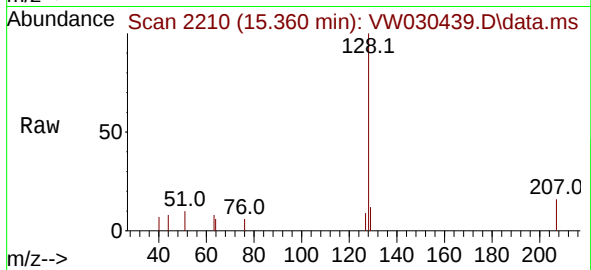
Acq: 08 Oct 2024 11:29

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	128	Resp:	1870
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.8	16.2
129	7.3	8.8	13.2#



#72

1,2,3-Trichlorobenzene

Concen: 178.553 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW030439.D

Acq: 08 Oct 2024 11:29

Tgt Ion:	180	Resp:	1201
Ion	Ratio	Lower	Upper
180	100		
182	90.9	75.6	113.4
145	27.6	25.6	38.4

