

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120624\
 Data File : VW031155.D
 Acq On : 06 Dec 2024 17:00
 Operator : SY/MD
 Sample : P5066-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 23:42:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 06 23:31:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	273250	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	129424	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	29358	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	114835	27.309	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	= 109.240%		
7) Chloroethane-d5	2.893	69	84362	25.858	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	= 103.440%		
11) 1,1-Dichloroethene-d2	4.021	65	45469	23.700	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	= 94.800%		
21) 2-Butanone-d5	7.100	46	45900	62.414	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	= 124.820%		
24) Chloroform-d	7.648	84	128144	16.012	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	= 64.040%		
26) 1,2-Dichloroethane-d4	8.301	65	112519	28.572	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	= 114.280%		
32) Benzene-d6	8.270	84	317275	39.885	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	= 159.560%#		
36) 1,2-Dichloropropane-d6	9.270	67	106052	45.514	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	= 182.040%#		
41) Toluene-d8	10.325	98	190475	26.533	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	= 106.120%		
43) trans-1,3-Dichloroprop...	10.575	79	38365	40.897	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	= 163.600%#		
47) 2-Hexanone-d5	10.922	63	35505	130.058	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	= 260.120%#		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	25482	16.204	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	= 64.800%		
66) 1,2-Dichlorobenzene-d4	13.848	152	21649	20.761	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	= 83.040%		
Target Compounds						
					Qvalue	
14) Carbon disulfide	4.387	76	10767	0.846	ug/L #	74
17) trans-1,2-Dichloroethene	5.423	96	3255	0.789	ug/L	81
20) cis-1,2-Dichloroethene	7.167	96	22109	5.102	ug/L	89
25) Chloroform	7.673	83	61972	7.853	ug/L	96
29) Cyclohexane	7.959	56	4764	1.462	ug/L #	87
33) Benzene	8.319	78	5184	0.592	ug/L	100
34) Trichloroethene	9.093	95	308434	127.760	ug/L	92
35) Methylcyclohexane	9.331	83	36282	9.445	ug/L #	80
40) 4-Methyl-2-pentanone	10.209	43	2651	2.719	ug/L #	84
42) Toluene	10.386	91	187145	20.299	ug/L	97
45) 1,1,2-Trichloroethane	10.758	97	8869	5.927	ug/L #	24
46) Tetrachloroethene	10.855	164	1409214	787.418	ug/L	91
52) Ethylbenzene	11.727	91	77282	7.397	ug/L	99
53) m,p-Xylene	11.830	106	80629	20.736	ug/L	87
54) o-Xylene	12.160	106	51915	14.352	ug/L	90
55) Styrene	12.166	104	3021	0.496	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.733	83	3557	2.194	ug/L #	49
60) Isopropylbenzene	12.861	105	105352	22.229	ug/L	92
62) 1,3,5-Trimethylbenzene	12.940	105	96360	25.820	ug/L	91

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Quant Title : SFAM01.0
QLast Update : Fri Dec 06 23:31:46 2024
Response via : Initial Calibration

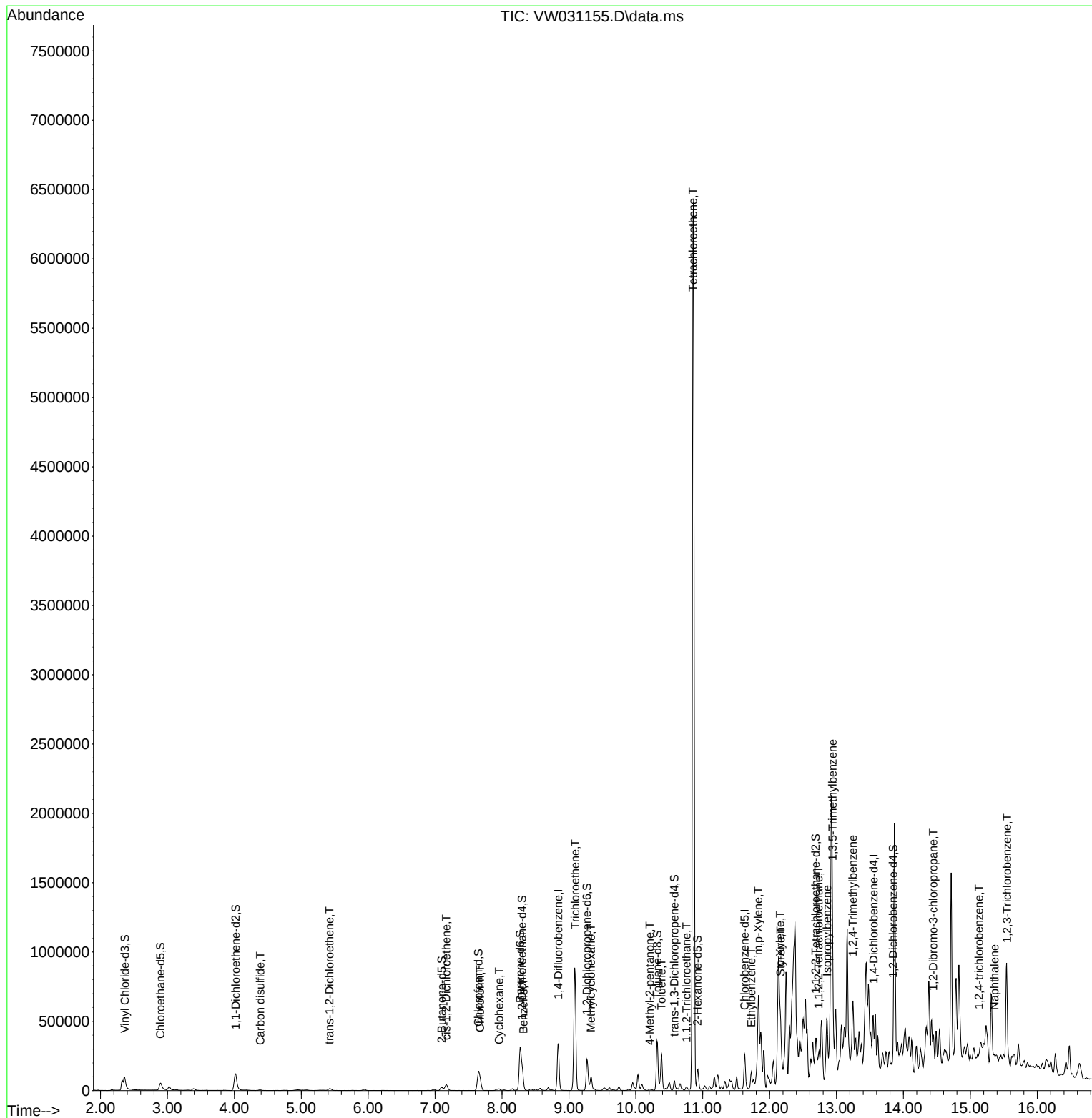
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.245	105	259556	70.799	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.446	75	1335	11.208	ug/L #	11
70) 1,2,4-trichlorobenzene	15.129	180	485	0.440	ug/L #	1
71) Naphthalene	15.360	128	55800	31.453	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	389	0.413	ug/L #	1

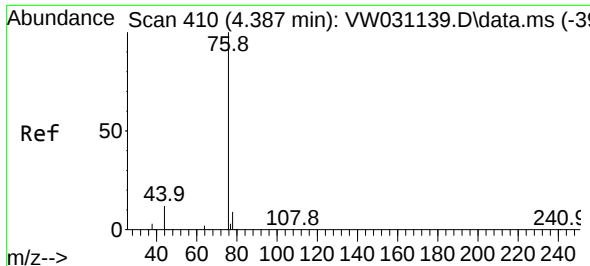
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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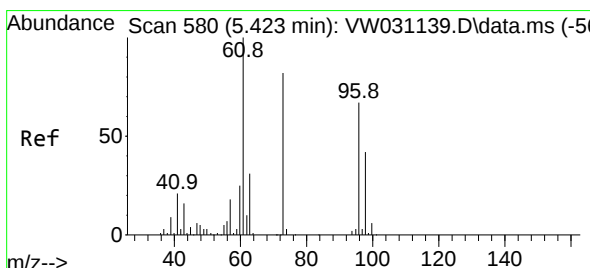
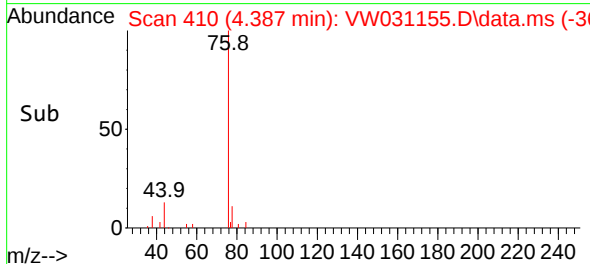
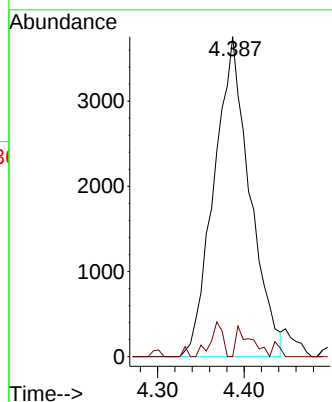
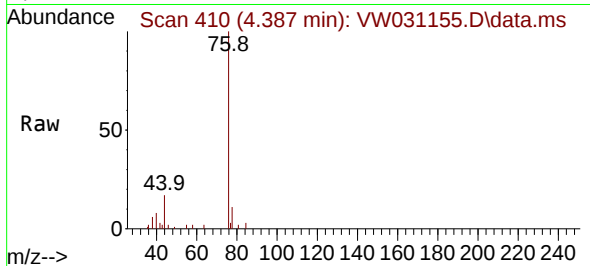




#14
Carbon disulfide
Concen: 0.846 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

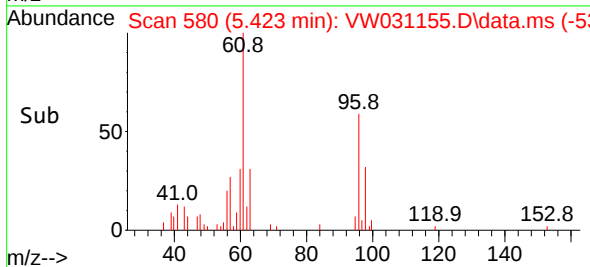
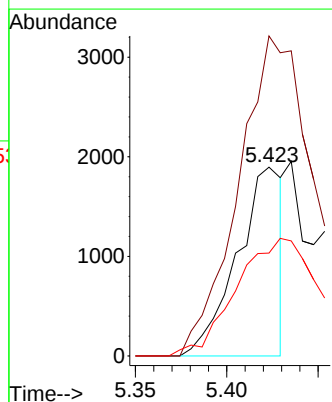
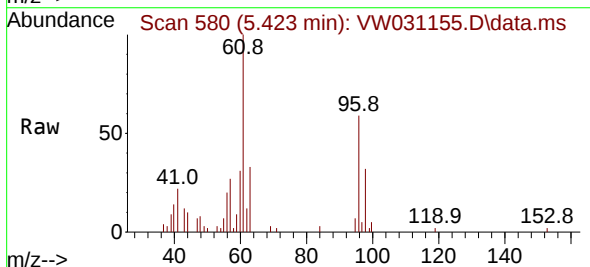
Instrument :
MSVOA_W
ClientSampleId :

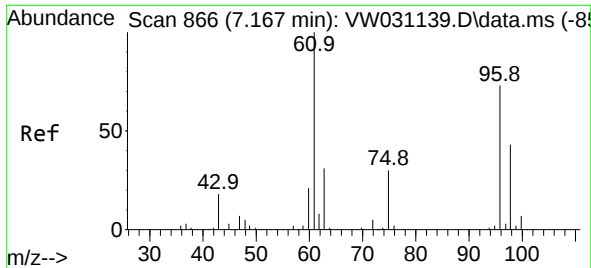
Tgt Ion: 76 Resp: 10767
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#17
trans-1,2-Dichloroethene
Concen: 0.789 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

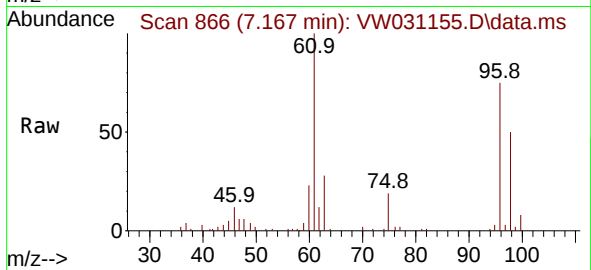
Tgt Ion: 96 Resp: 3255
Ion Ratio Lower Upper
96 100
61 155.4 92.7 172.3
98 50.0 44.4 82.4





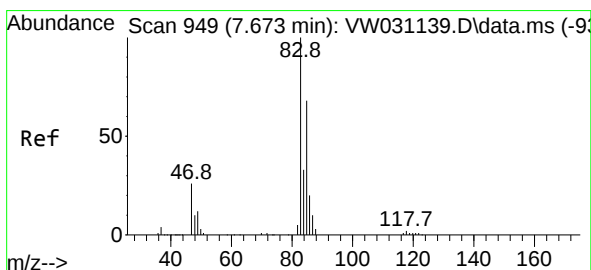
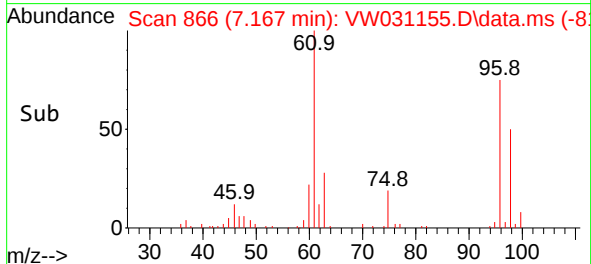
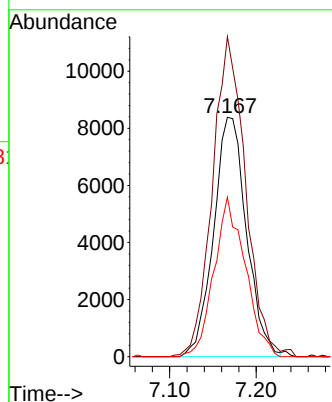
#20
 cis-1,2-Dichloroethene
 Concen: 5.102 ug/L
 RT: 7.167 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VW031155.D
 Acq: 06 Dec 2024 17:00

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 96 Resp: 22109

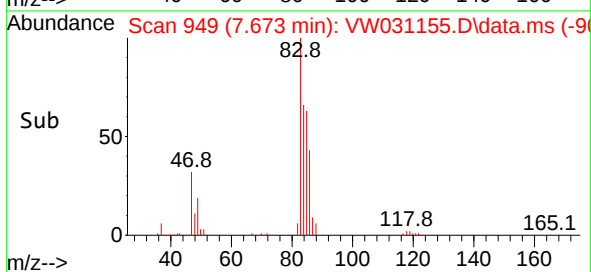
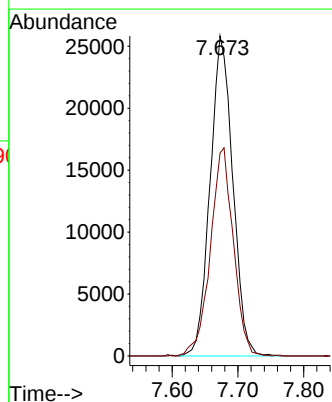
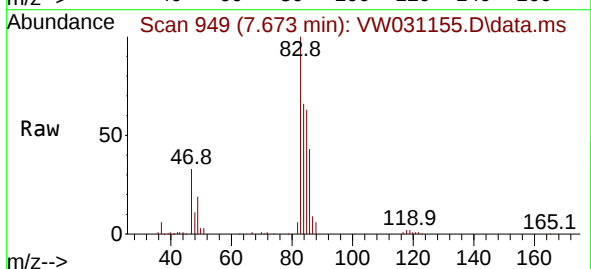
Ion	Ratio	Lower	Upper
96	100		
61	133.7	83.7	155.5
98	68.7	43.9	81.5

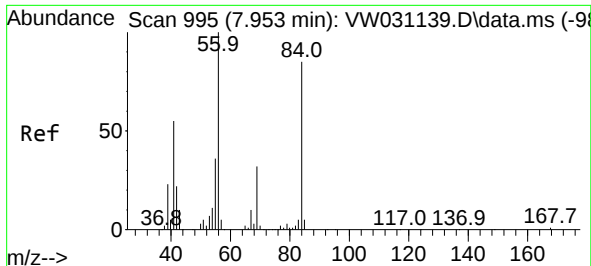


#25
 Chloroform
 Concen: 7.853 ug/L
 RT: 7.673 min Scan# 949
 Delta R.T. 0.000 min
 Lab File: VW031155.D
 Acq: 06 Dec 2024 17:00

Tgt Ion: 83 Resp: 61972

Ion	Ratio	Lower	Upper
83	100		
85	63.4	46.5	86.3





#29

Cyclohexane

Concen: 1.462 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

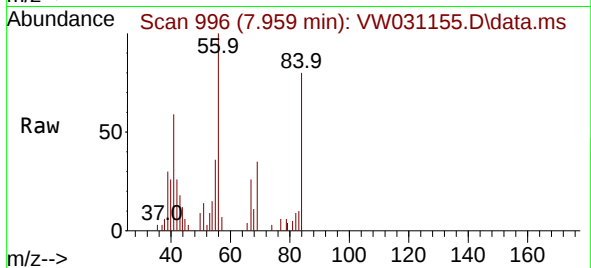
Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

Instrument :

MSVOA_W

ClientSampleId :



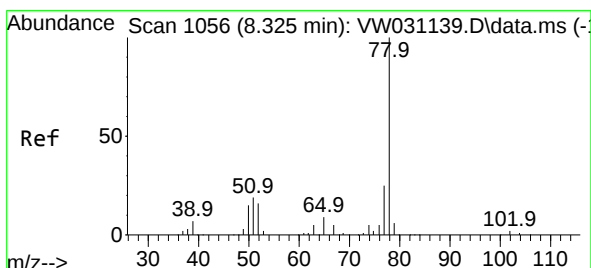
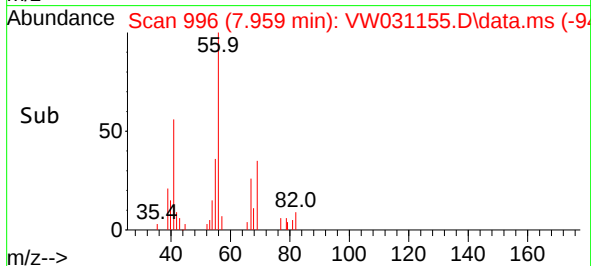
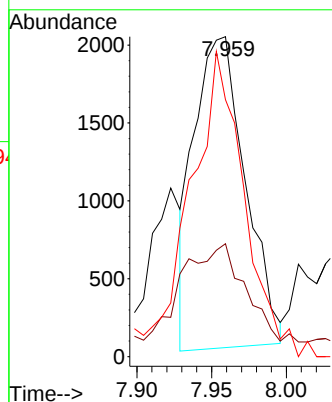
Tgt Ion: 56 Resp: 4764

Ion Ratio Lower Upper

56 100

69 25.4 25.4 38.2#

84 101.1 71.1 106.7



#33

Benzene

Concen: 0.592 ug/L

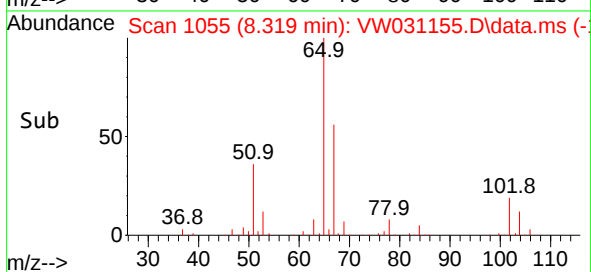
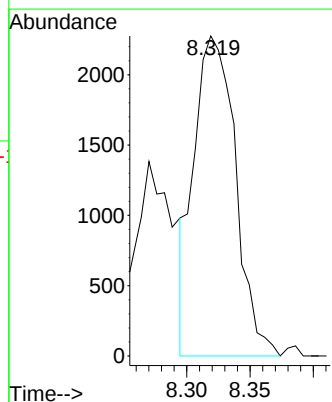
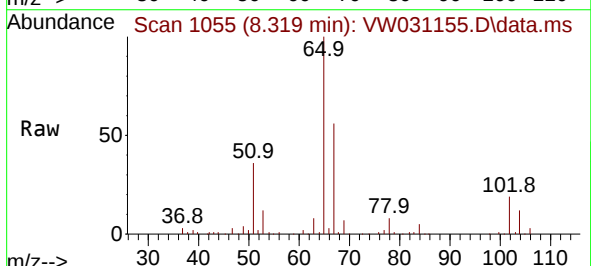
RT: 8.319 min Scan# 1055

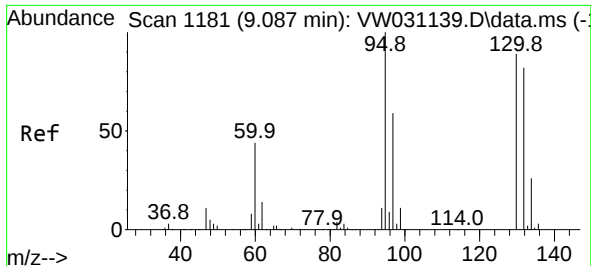
Delta R.T. -0.006 min

Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

Tgt Ion: 78 Resp: 5184

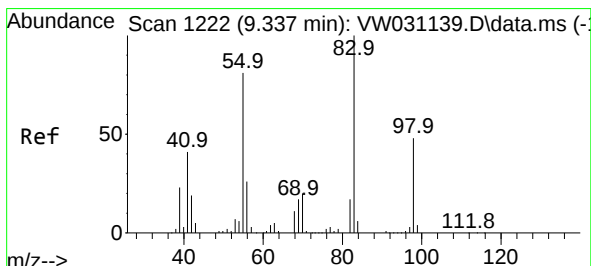
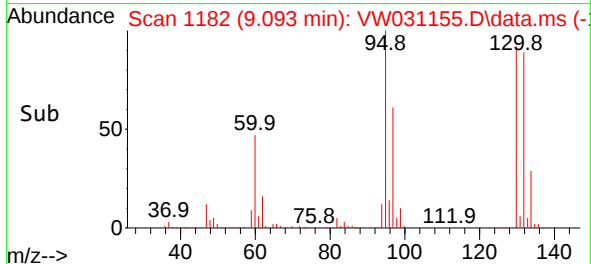
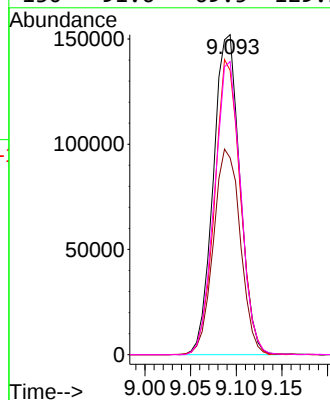
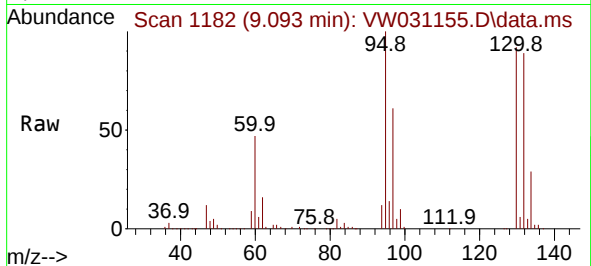




#34
Trichloroethene
Concen: 127.760 ug/L
RT: 9.093 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

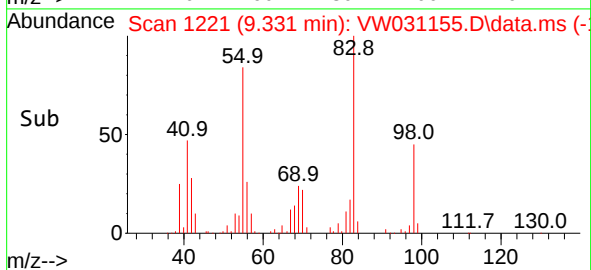
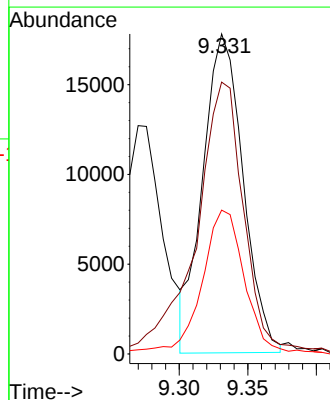
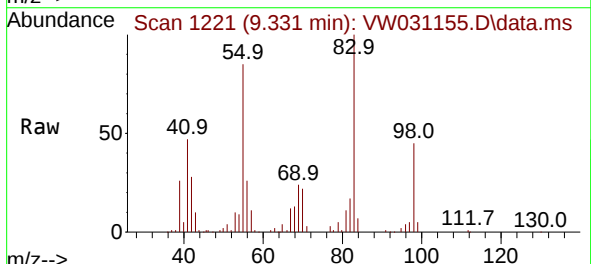
Instrument :
MSVOA_W
ClientSampleId :

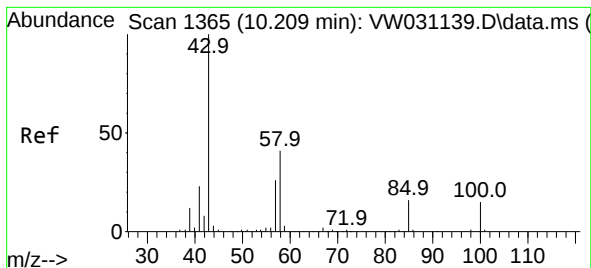
Tgt Ion: 95 Resp: 308434
Ion Ratio Lower Upper
95 100
97 61.5 48.0 89.2
132 88.8 67.4 125.2
130 91.6 69.5 129.1



#35
Methylcyclohexane
Concen: 9.445 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

Tgt Ion: 83 Resp: 36282
Ion Ratio Lower Upper
83 100
55 99.9 59.5 89.3#
98 44.7 38.7 58.1





#40

4-Methyl-2-pentanone

Concen: 2.719 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

Instrument :

MSVOA_W

ClientSampleId :

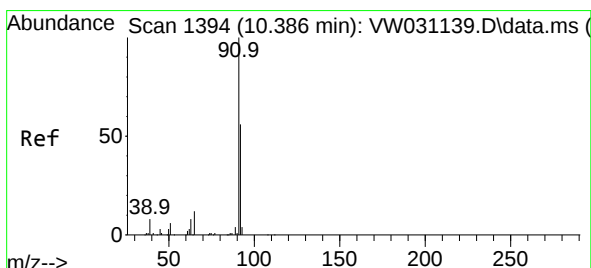
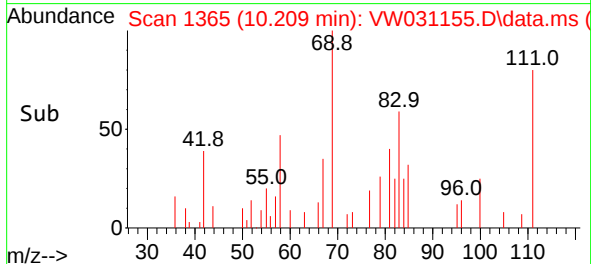
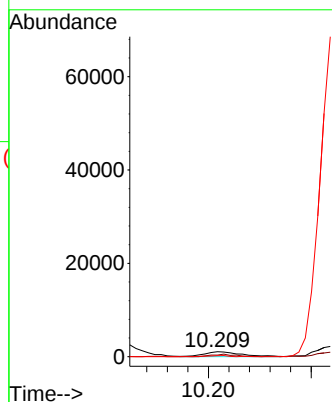
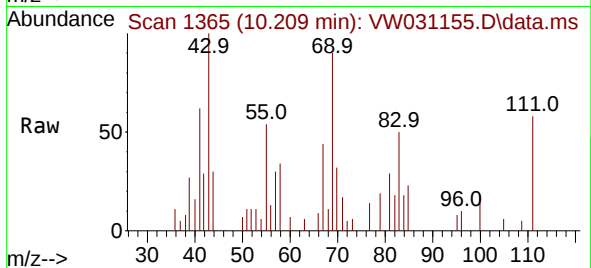
Tgt Ion: 43 Resp: 2651

Ion Ratio Lower Upper

43 100

58 31.5 33.7 50.5#

100 11.2 14.2 21.2#



#42

Toluene

Concen: 20.299 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW031155.D

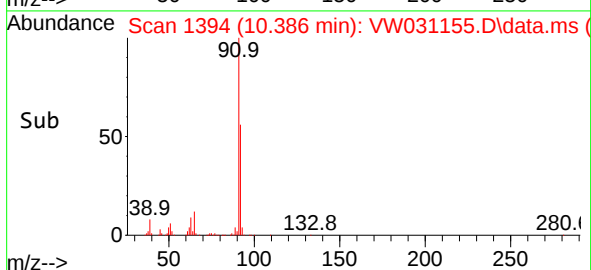
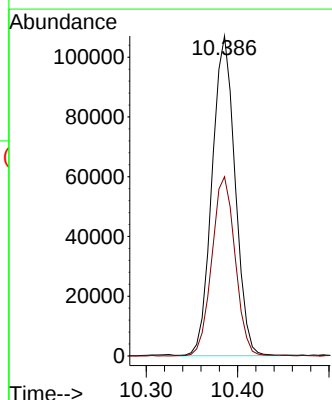
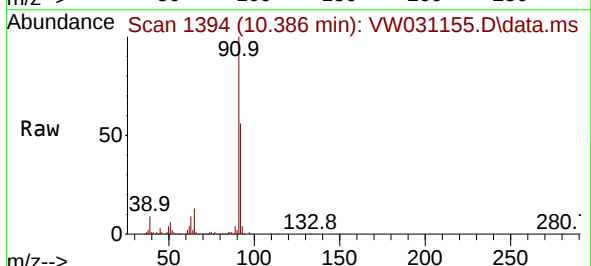
Acq: 06 Dec 2024 17:00

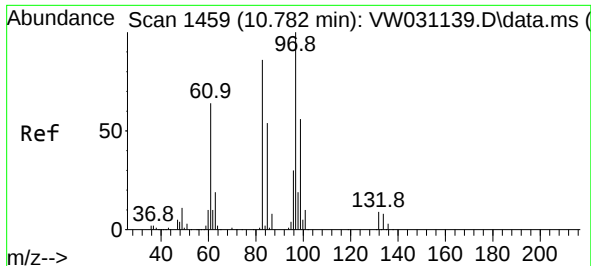
Tgt Ion: 91 Resp: 187145

Ion Ratio Lower Upper

91 100

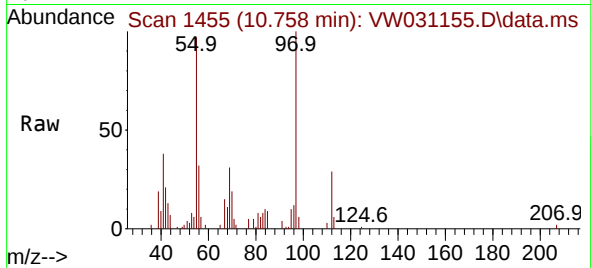
92 56.0 40.8 75.8



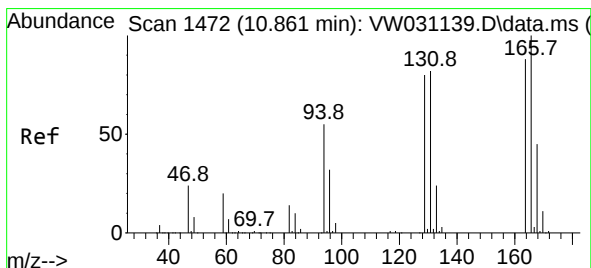
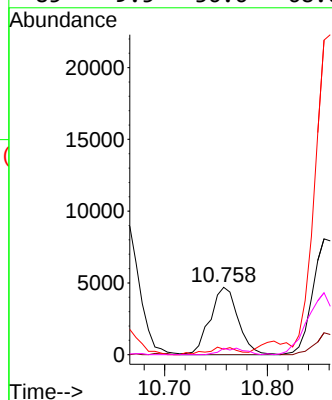
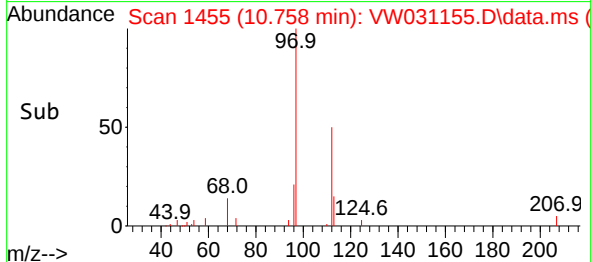


#45
1,1,2-Trichloroethane
Concen: 5.927 ug/L
RT: 10.758 min Scan# 1459
Delta R.T. -0.024 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

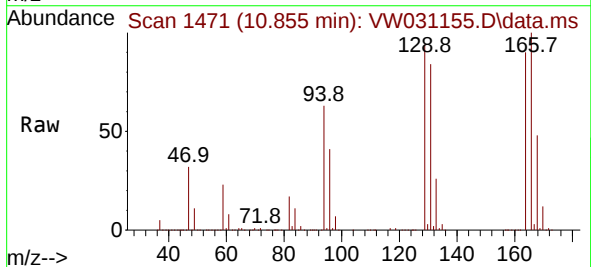
Instrument :
MSVOA_W
ClientSampleId :



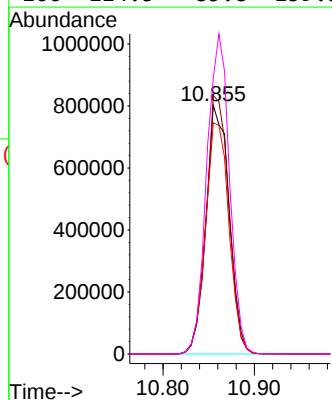
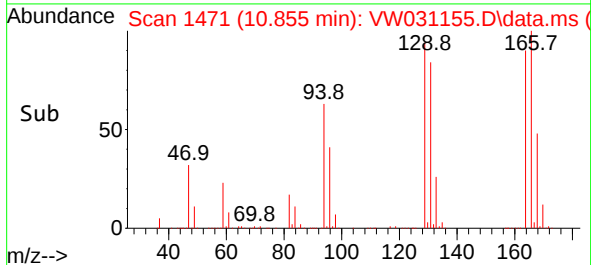
Tgt Ion: 97 Resp: 8869
Ion Ratio Lower Upper
97 100
99 0.0 42.4 78.8#
83 8.0 57.8 107.4#
85 9.5 36.6 68.0#

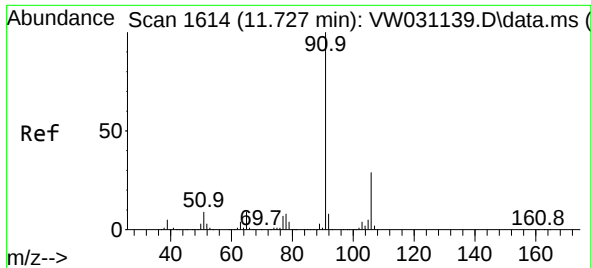


#46
Tetrachloroethene
Concen: 787.418 ug/L
RT: 10.855 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00



Tgt Ion:164 Resp: 1409214
Ion Ratio Lower Upper
164 100
129 104.0 61.9 114.9
131 93.0 67.9 126.1
166 114.5 85.8 159.3

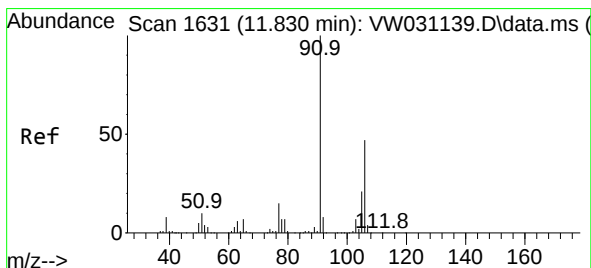
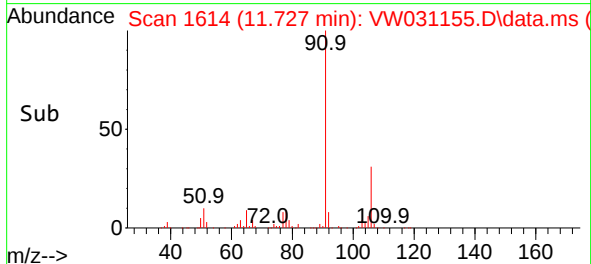
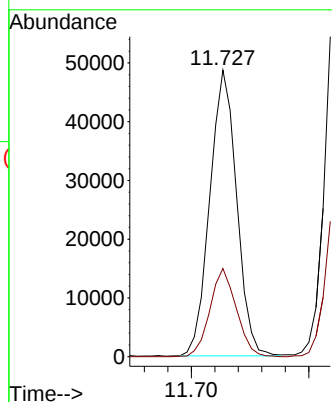
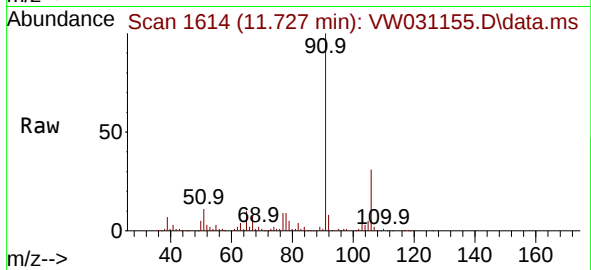




#52
Ethylbenzene
Concen: 7.397 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

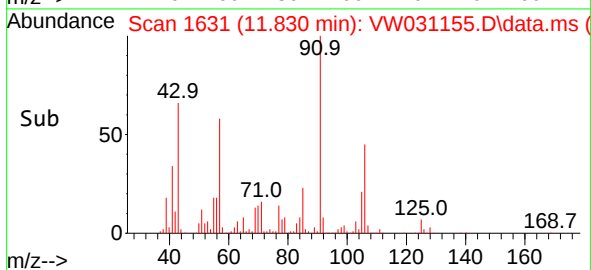
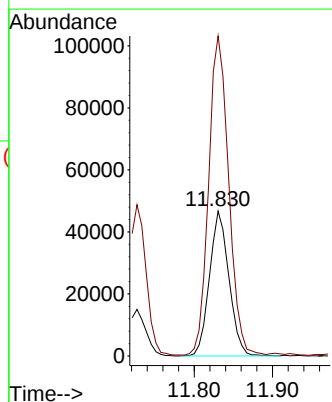
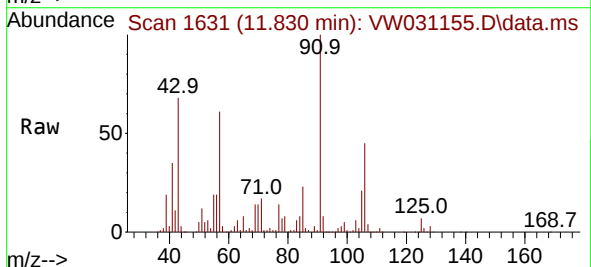
Instrument :
MSVOA_W
ClientSampleId :

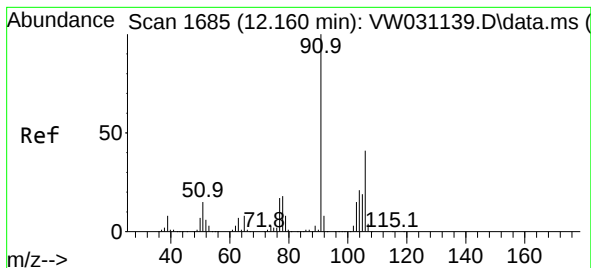
Tgt Ion: 91 Resp: 77282
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.5



#53
m,p-Xylene
Concen: 20.736 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

Tgt Ion:106 Resp: 80629
Ion Ratio Lower Upper
106 100
91 221.0 140.9 261.7





#54

o-Xylene

Concen: 14.352 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

Instrument :

MSVOA_W

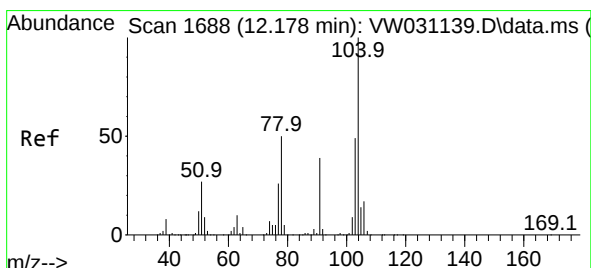
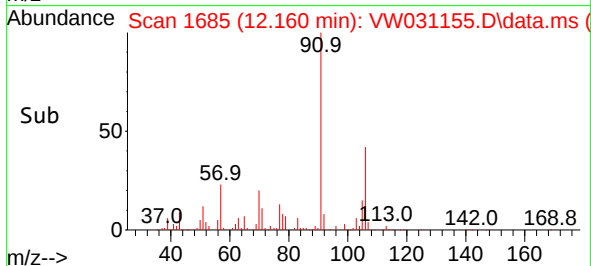
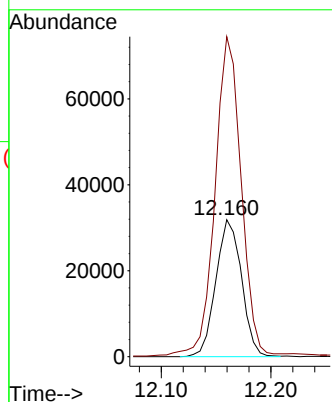
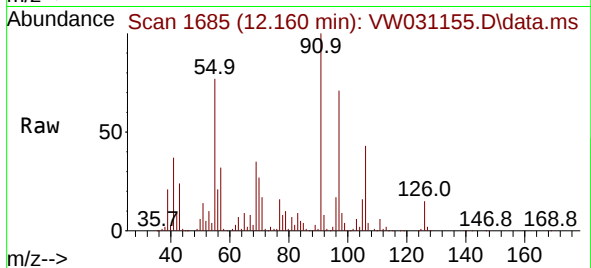
ClientSampleId :

Tgt Ion:106 Resp: 51915

Ion Ratio Lower Upper

106 100

91 233.7 152.7 283.5



#55

Styrene

Concen: 0.496 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. -0.012 min

Lab File: VW031155.D

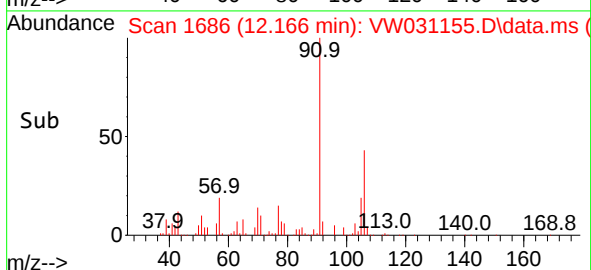
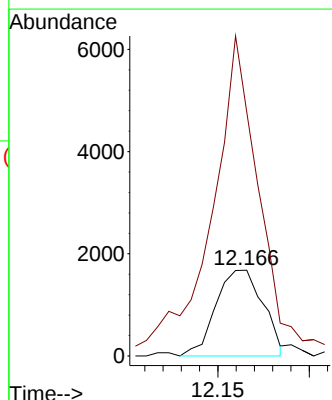
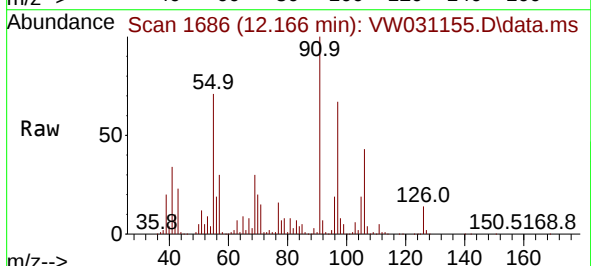
Acq: 06 Dec 2024 17:00

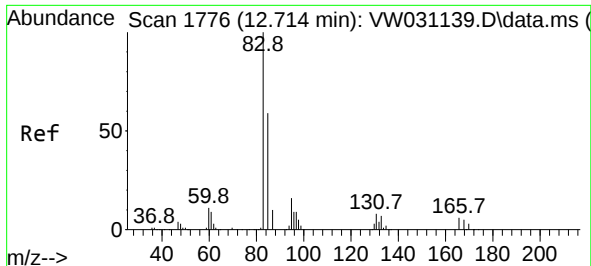
Tgt Ion:104 Resp: 3021

Ion Ratio Lower Upper

104 100

78 284.2 30.2 56.0#





#57

1,1,2,2-Tetrachloroethane

Concen: 2.194 ug/L

RT: 12.733 min Scan# 11

Delta R.T. 0.018 min

Lab File: VW031155.D

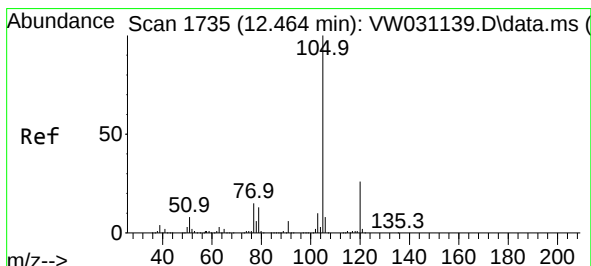
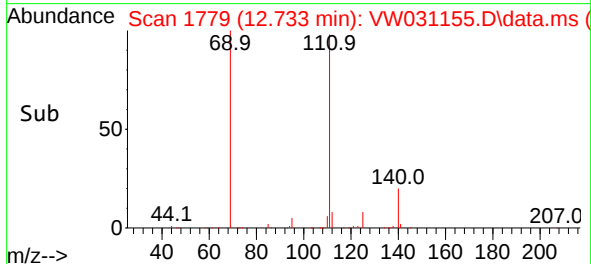
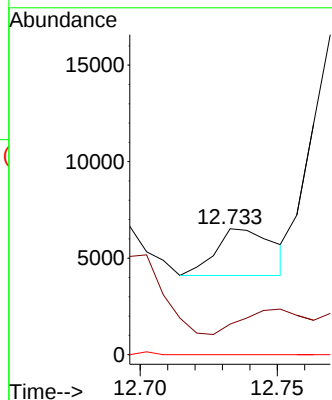
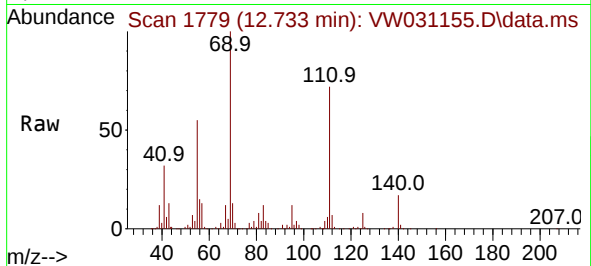
Acq: 06 Dec 2024 17:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp:	3557
Ion Ratio	Lower	Upper
83	100	
85	24.3	48.3 89.7#
131	0.0	8.9 13.3#



#60

Isopropylbenzene

Concen: 22.229 ug/L

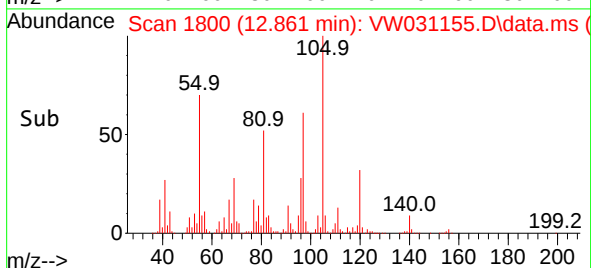
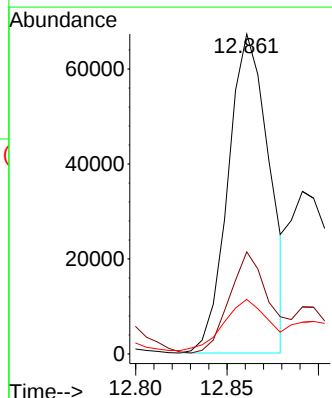
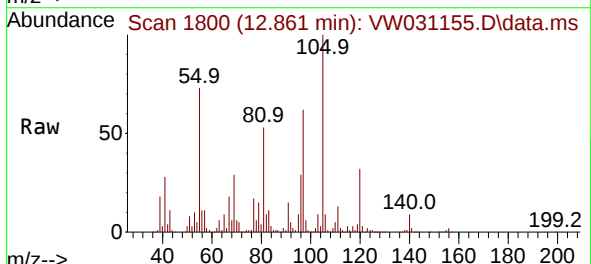
RT: 12.861 min Scan# 1800

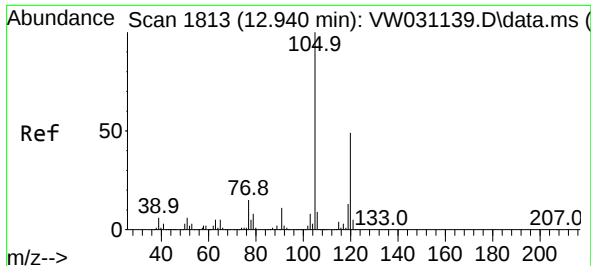
Delta R.T. 0.396 min

Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

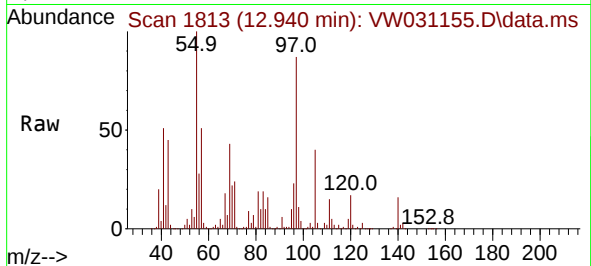
Tgt Ion: 105	Resp:	105352
Ion Ratio	Lower	Upper
105	100	
120	32.1	21.5 32.3
77	17.2	12.3 18.5



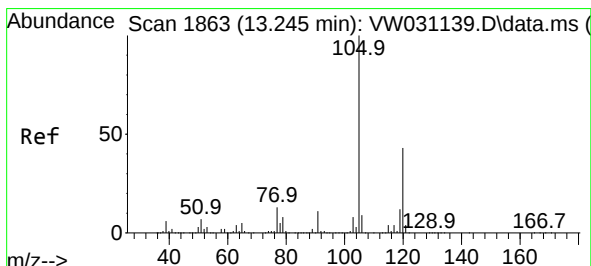
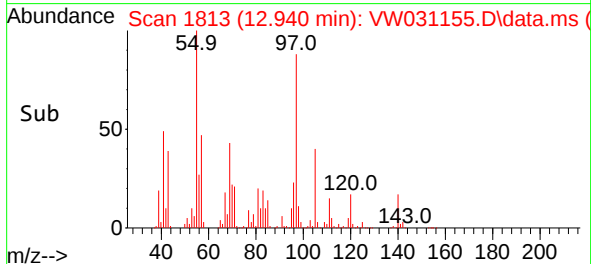
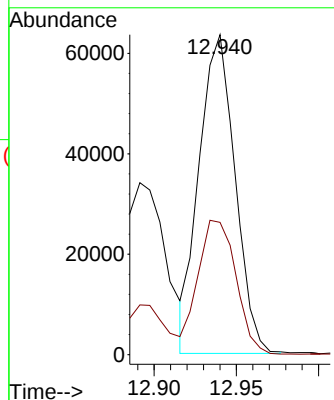


#62
1,3,5-Trimethylbenzene
Concen: 25.820 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

Instrument :
MSVOA_W
ClientSampleId :

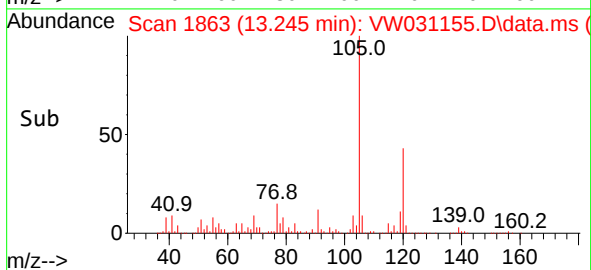
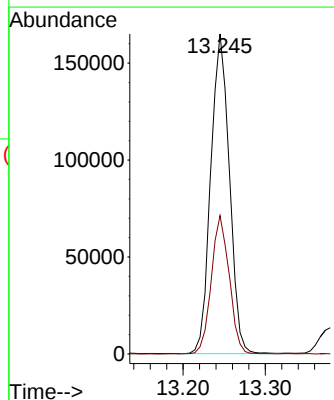
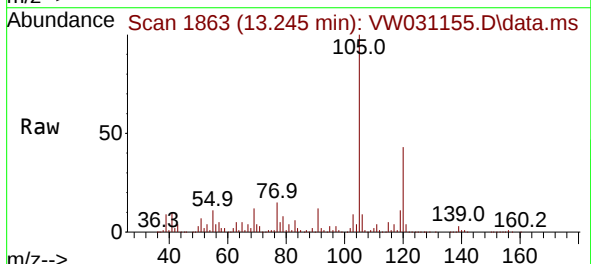


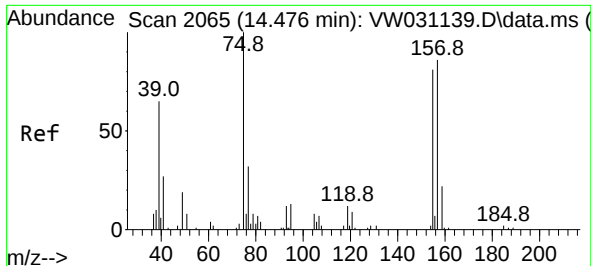
Tgt Ion:105 Resp: 96360
Ion Ratio Lower Upper
105 100
120 44.4 40.5 60.7



#63
1,2,4-Trimethylbenzene
Concen: 70.799 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

Tgt Ion:105 Resp: 259556
Ion Ratio Lower Upper
105 100
120 41.7 35.4 53.0





#68

1,2-Dibromo-3-chloropropane

Concen: 11.208 ug/L

RT: 14.446 min Scan# 2065

Delta R.T. -0.030 min

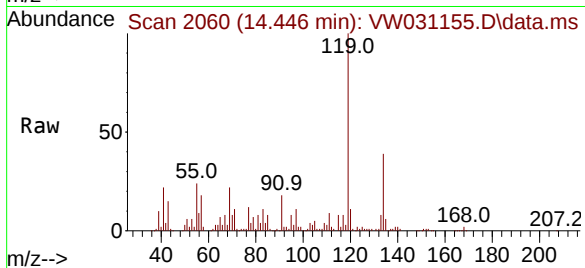
Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

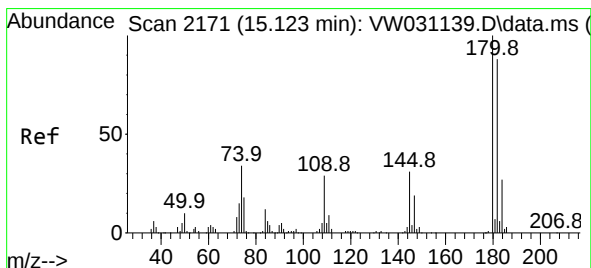
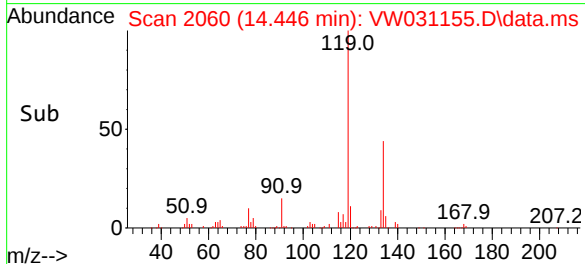
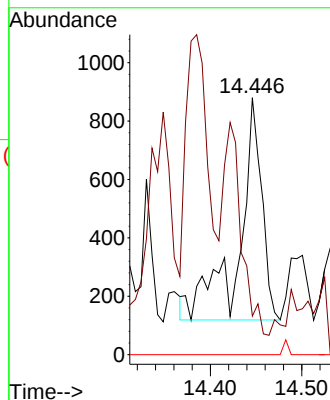
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	1335
Ion	Ratio	Lower	Upper
75	100		
155	15.0	63.1	94.7#
157	0.0	82.1	123.1#



#70

1,2,4-trichlorobenzene

Concen: 0.440 ug/L

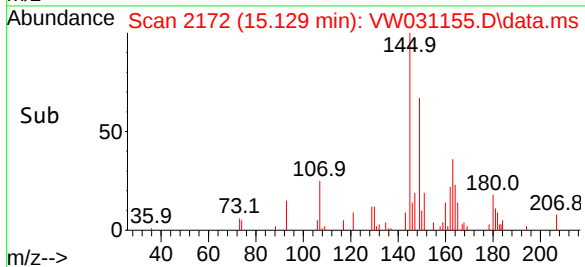
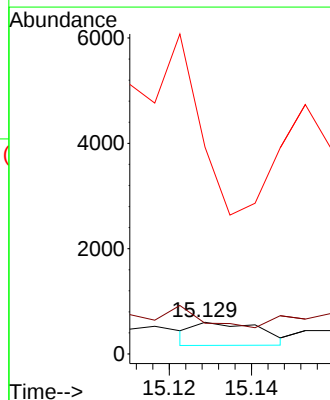
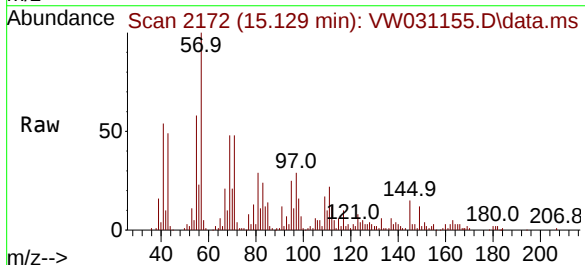
RT: 15.129 min Scan# 2172

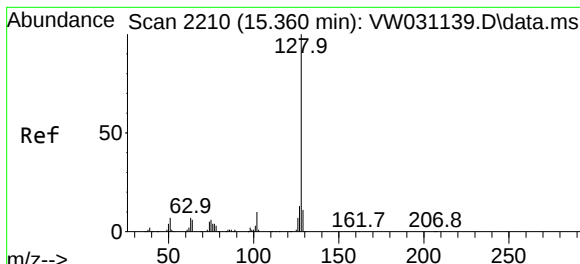
Delta R.T. 0.006 min

Lab File: VW031155.D

Acq: 06 Dec 2024 17:00

Tgt Ion:	180	Resp:	485
Ion	Ratio	Lower	Upper
180	100		
182	119.6	76.1	114.1#
145	2722.7	25.7	38.5#

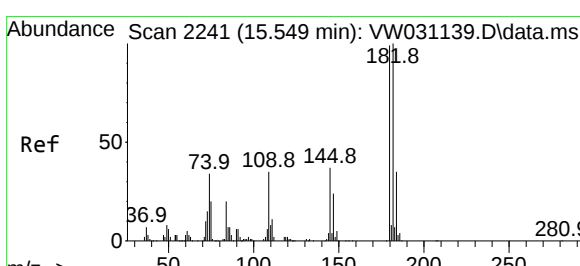
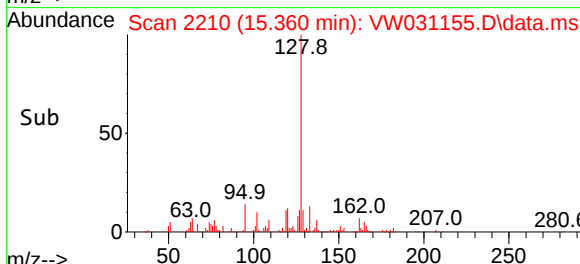
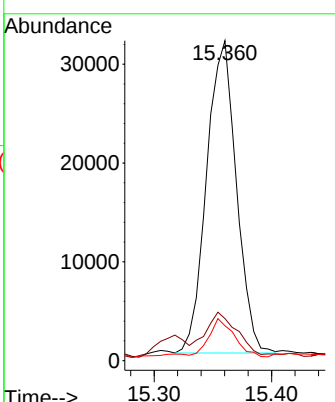
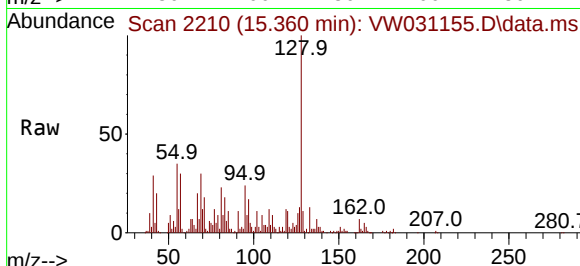




#71
Naphthalene
Concen: 31.453 ug/L
RT: 15.360 min Scan# 211
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	128	Resp:	55800
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.4	15.6
129	10.3	8.3	12.5



#72
1,2,3-Trichlorobenzene
Concen: 0.413 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031155.D
Acq: 06 Dec 2024 17:00

Tgt Ion:	180	Resp:	389
Ion Ratio	Lower	Upper	
180	100		
182	133.4	78.7	118.1#
145	2629.8	26.3	39.5#

