

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120924\
 Data File : VW031163.D
 Acq On : 09 Dec 2024 15:37
 Operator : SY/MD
 Sample : P5066-16
 Misc : 5.88g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 10 01:13:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 10 01:12:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	73305	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.629	117	38309	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	6022	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	23465	20.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.200%
7) Chloroethane-d5	2.893	69	18932	21.631	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.520%
11) 1,1-Dichloroethene-d2	4.015	65	8697	16.898	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.600%
21) 2-Butanone-d5	7.087	46	15688	79.518	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.040%#
24) Chloroform-d	7.648	84	48827	22.742	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.960%
26) 1,2-Dichloroethane-d4	8.307	65	26144	24.746	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	8.276	84	73463	31.200	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.800%
36) 1,2-Dichloropropane-d6	9.270	67	31389	45.511	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	182.040%#
41) Toluene-d8	10.319	98	44911	21.136	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.560%
43) trans-1,3-Dichloroprop...	10.575	79	4424	15.933	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.720%
47) 2-Hexanone-d5	10.922	63	8423	104.239	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	208.480%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	27846	59.824	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	239.280%#
66) 1,2-Dichlorobenzene-d4	13.848	152	7189	33.610	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	134.440%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.350	50	2102	1.925	ug/L	83
14) Carbon disulfide	4.381	76	10998	3.221	ug/L	97
15) Methyl Acetate	4.704	43	117	0.314	ug/L	# 49
20) cis-1,2-Dichloroethene	7.167	96	565	0.486	ug/L	# 79
29) Cyclohexane	7.953	56	6390	6.627	ug/L	86
33) Benzene	8.319	78	14778	5.704	ug/L	100
34) Trichloroethene	9.093	95	3180	4.450	ug/L	# 73
35) Methylcyclohexane	9.331	83	4838	4.255	ug/L	# 77
42) Toluene	10.386	91	9558	3.502	ug/L	97
45) 1,1,2-Trichloroethane	10.751	97	355	0.802	ug/L	# 17
52) Ethylbenzene	11.733	91	1579	0.511	ug/L	# 80
53) m,p-Xylene	11.824	106	794	0.690	ug/L	# 14
54) o-Xylene	12.160	106	423	0.395	ug/L	# 21
61) 1,2,3-Trichloropropane	13.586	75	98	0.871	ug/L	91
62) 1,3,5-Trimethylbenzene	13.245	105	350	0.457	ug/L	92
69) 1,3,5-Trichlorobenzene	15.116	180	169	0.587	ug/L	# 53
70) 1,2,4-trichlorobenzene	15.116	180	169	0.748	ug/L	# 57
71) Naphthalene	15.354	128	503	1.382	ug/L	# 90

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Quant Time: Dec 10 01:13:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 10 01:12:15 2024
Response via : Initial Calibration

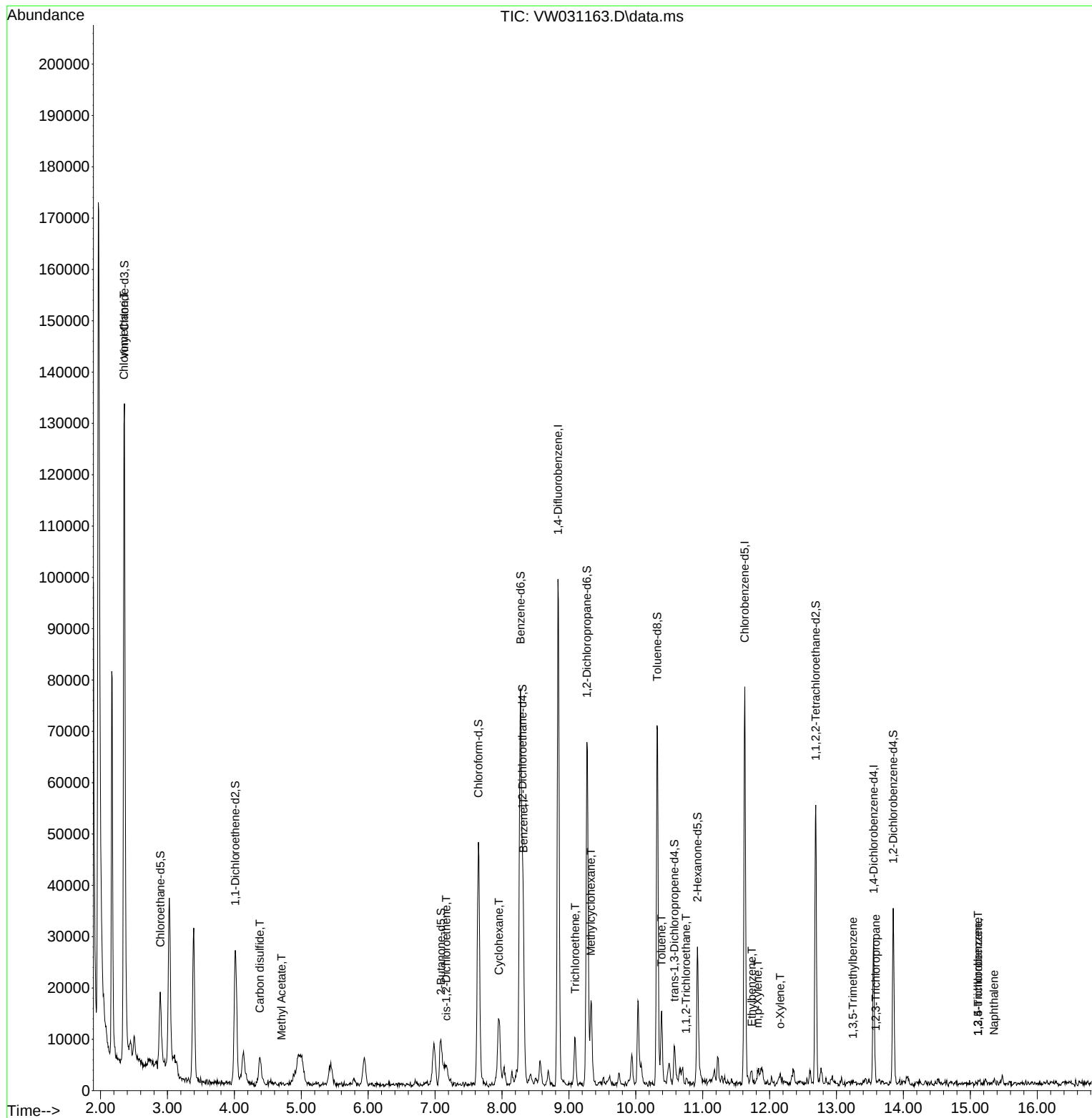
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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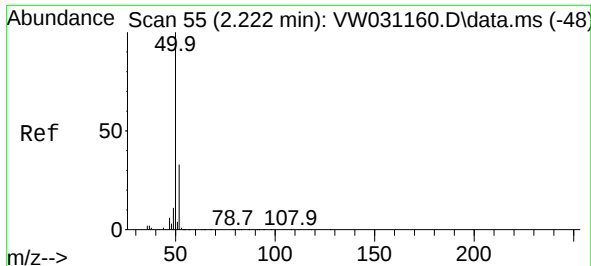
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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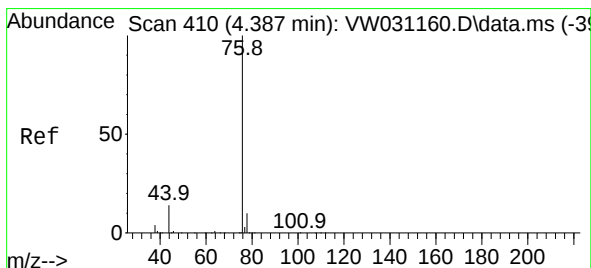
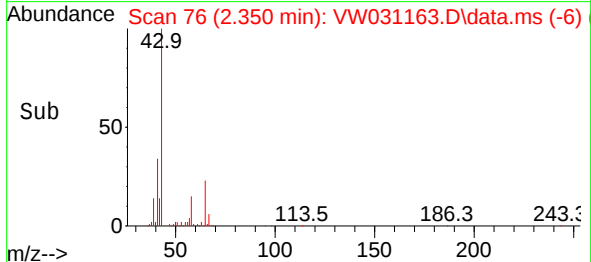
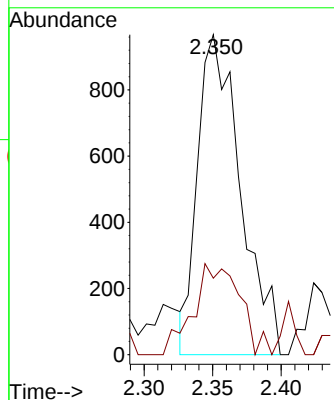
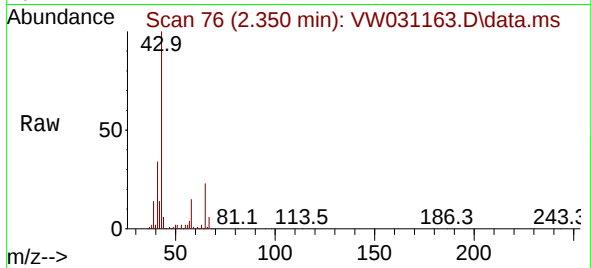




#3
Chloromethane
Concen: 1.925 ug/L
RT: 2.350 min Scan# 70
Delta R.T. 0.128 min
Lab File: VW031163.D
Acq: 09 Dec 2024 15:37

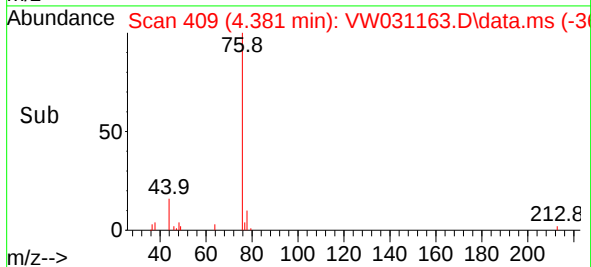
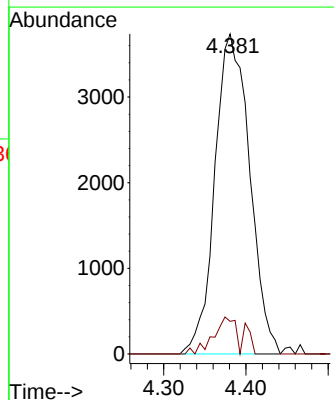
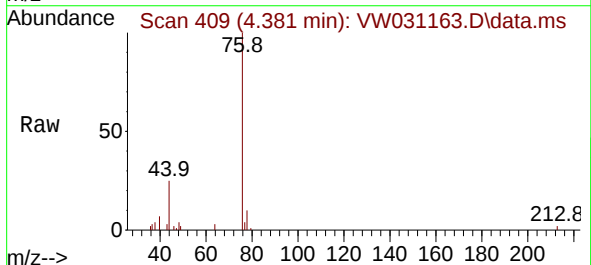
Instrument :
MSVOA_W
ClientSampleId :

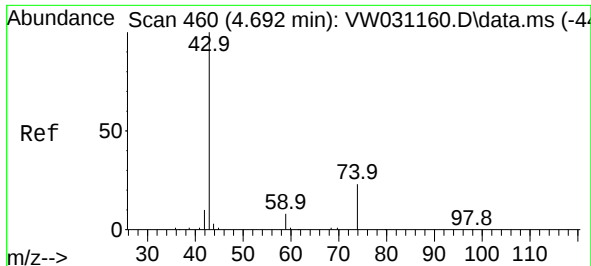
Tgt Ion: 50 Resp: 2102
Ion Ratio Lower Upper
50 100
52 23.9 23.4 43.6



#14
Carbon disulfide
Concen: 3.221 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.006 min
Lab File: VW031163.D
Acq: 09 Dec 2024 15:37

Tgt Ion: 76 Resp: 10998
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2





#15

Methyl Acetate

Concen: 0.314 ug/L

RT: 4.704 min Scan# 4

Delta R.T. 0.012 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

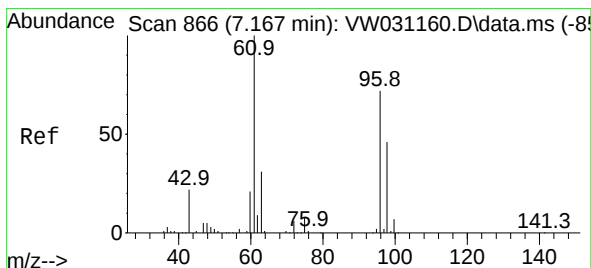
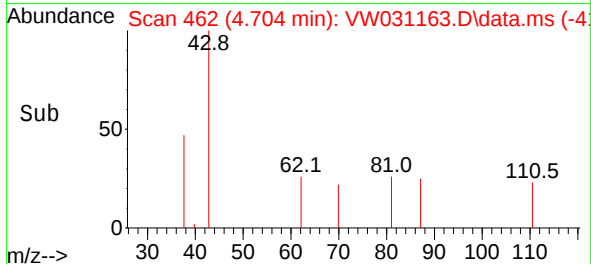
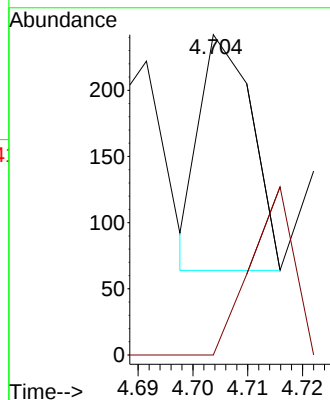
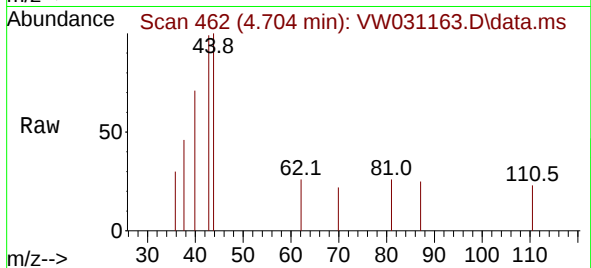
ClientSampleId :

Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#



#20

cis-1,2-Dichloroethene

Concen: 0.486 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

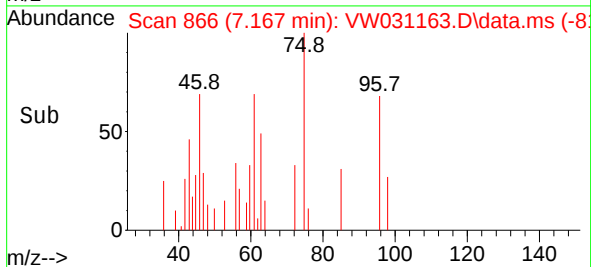
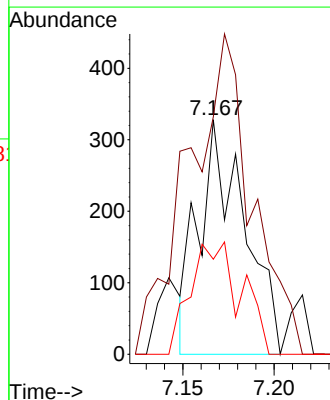
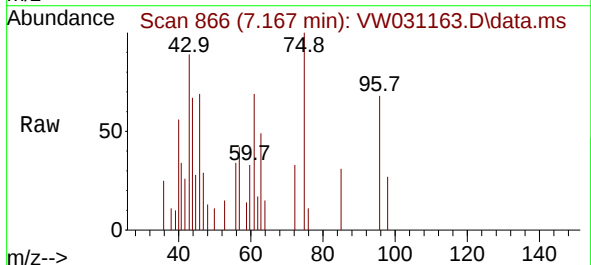
Tgt Ion: 96 Resp: 565

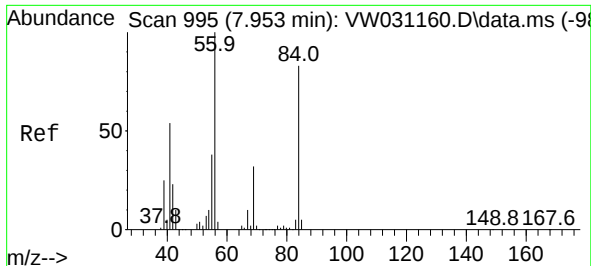
Ion Ratio Lower Upper

96 100

61 101.2 83.7 155.5

98 40.5 43.9 81.5#





#29

Cyclohexane

Concen: 6.627 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

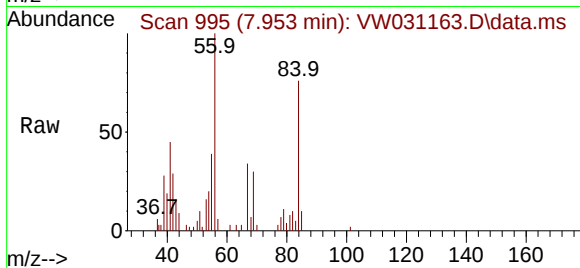
Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

ClientSampleId :



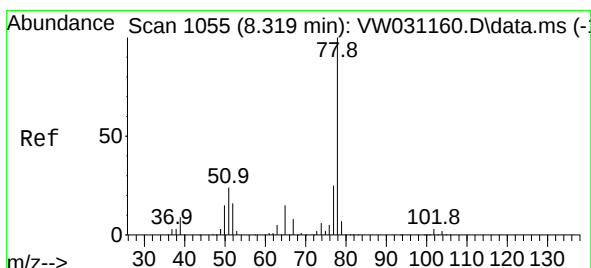
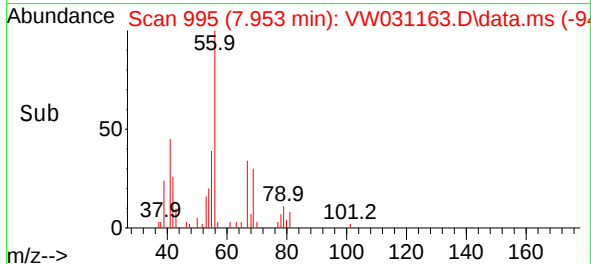
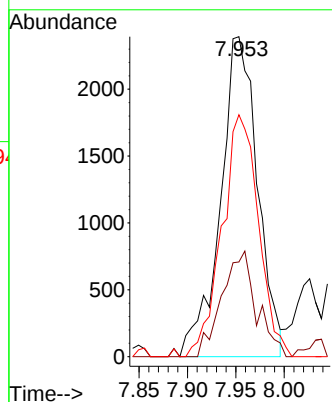
Tgt Ion: 56 Resp: 6390

Ion Ratio Lower Upper

56 100

69 26.1 25.4 38.2

84 74.2 71.1 106.7



#33

Benzene

Concen: 5.704 ug/L

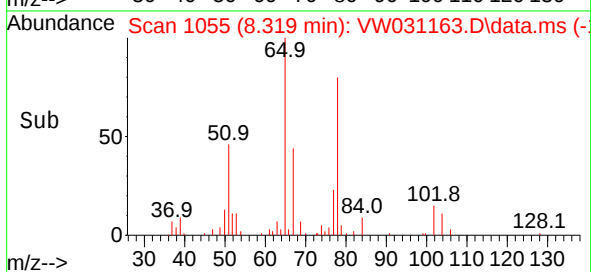
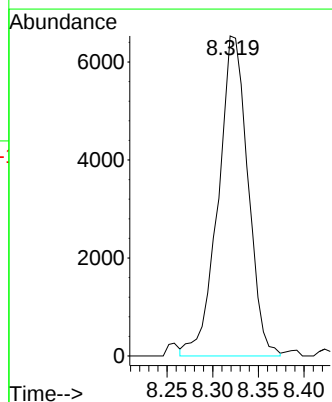
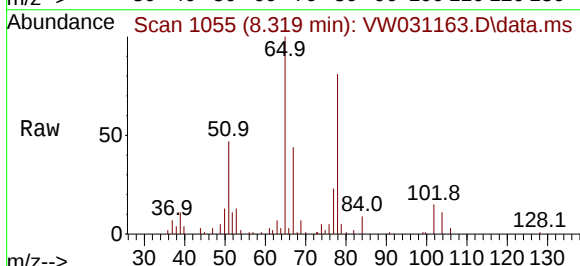
RT: 8.319 min Scan# 1055

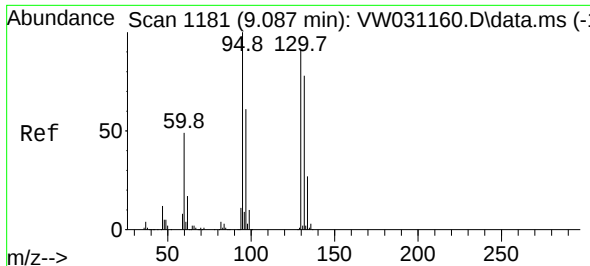
Delta R.T. -0.000 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Tgt Ion: 78 Resp: 14778





#34

Trichloroethene

Concen: 4.450 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

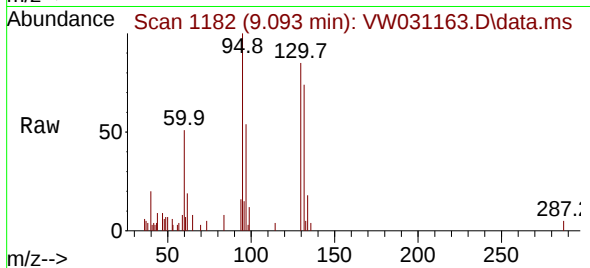
Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 3180

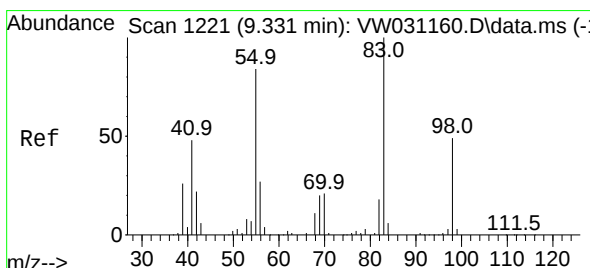
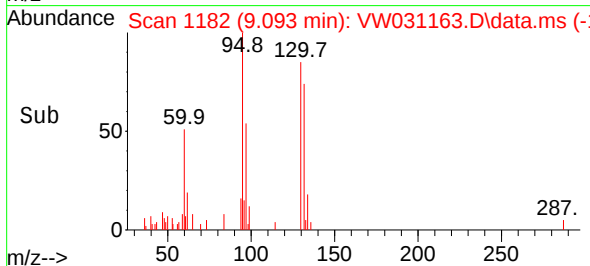
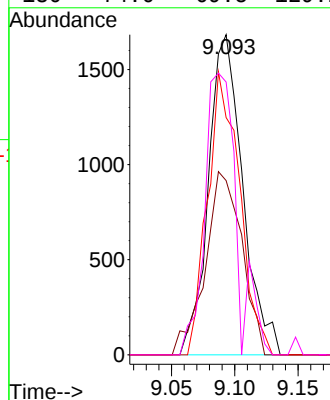
Ion Ratio Lower Upper

95 100

97 47.2 48.0 89.2#

132 68.8 67.4 125.2

130 74.0 69.5 129.1



#35

Methylcyclohexane

Concen: 4.255 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

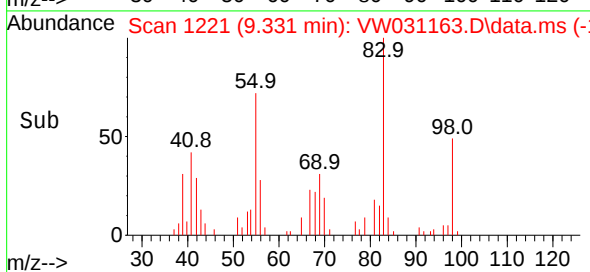
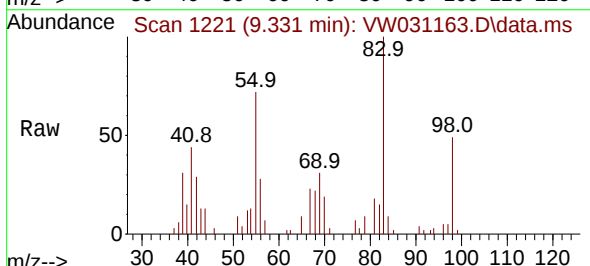
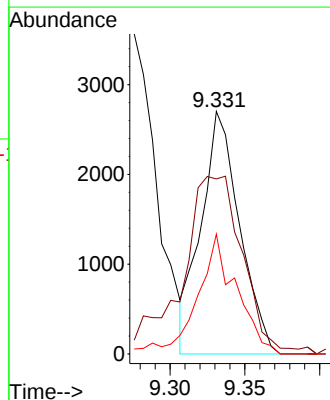
Tgt Ion: 83 Resp: 4838

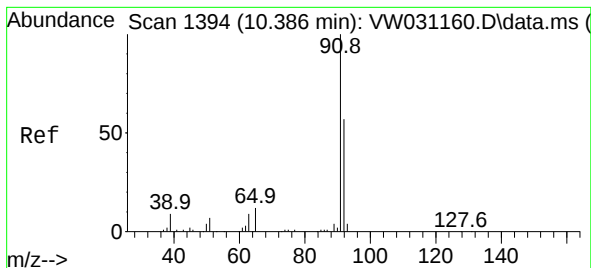
Ion Ratio Lower Upper

83 100

55 42.2 59.5 89.3#

98 47.9 38.7 58.1





#42

Toluene

Concen: 3.502 ug/L

RT: 10.386 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

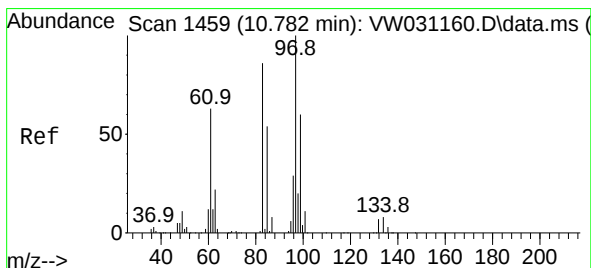
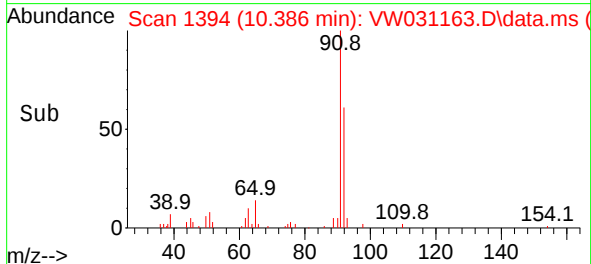
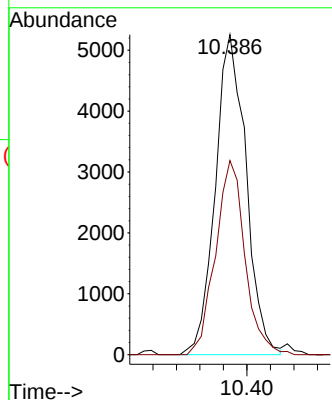
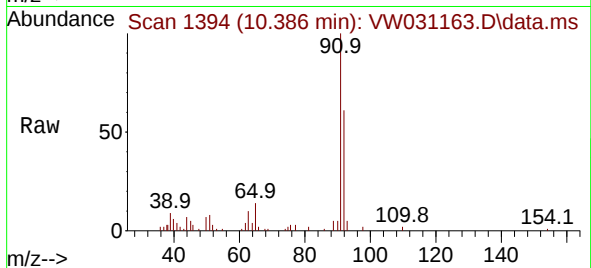
ClientSampleId :

Tgt Ion: 91 Resp: 9558

Ion Ratio Lower Upper

91 100

92 60.7 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 0.802 ug/L

RT: 10.751 min Scan# 1454

Delta R.T. -0.031 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Tgt Ion: 97 Resp: 355

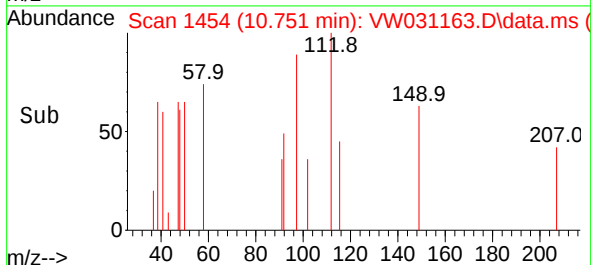
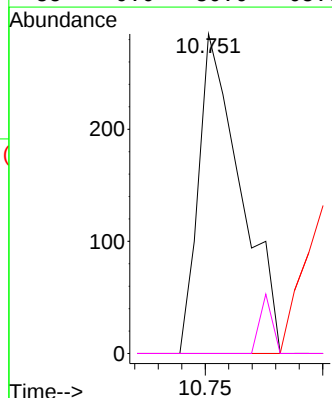
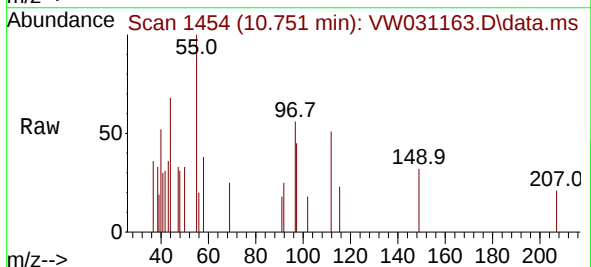
Ion Ratio Lower Upper

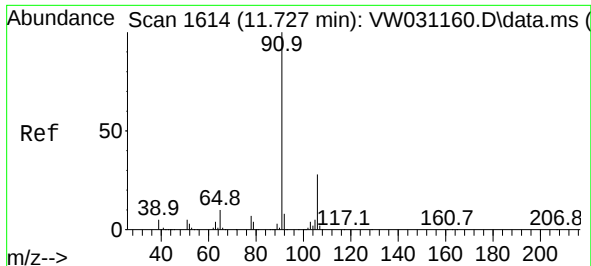
97 100

99 0.0 42.4 78.8#

83 0.0 57.8 107.4#

85 0.0 36.6 68.0#





#52

Ethylbenzene

Concen: 0.511 ug/L

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

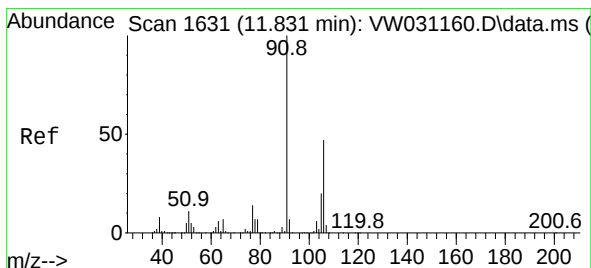
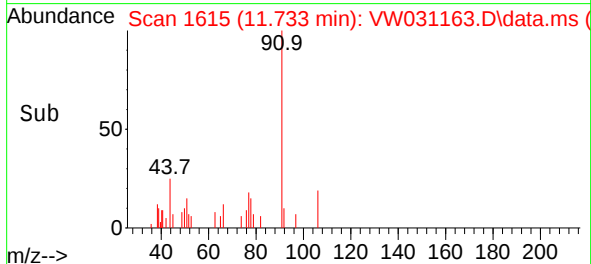
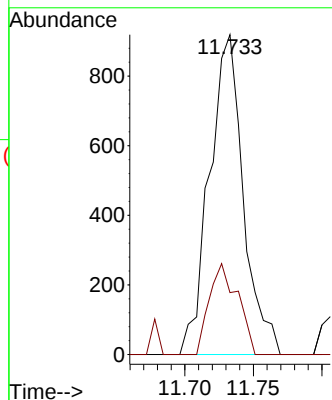
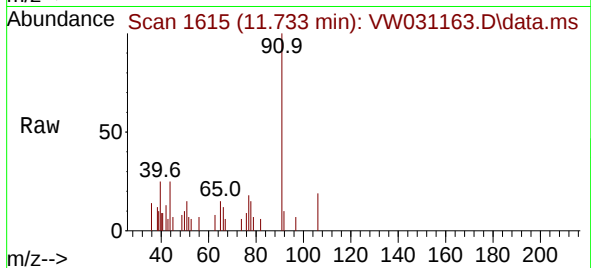
ClientSampleId :

Tgt Ion: 91 Resp: 1579

Ion Ratio Lower Upper

91 100

106 19.4 21.3 39.5#



#53

m,p-Xylene

Concen: 0.690 ug/L

RT: 11.824 min Scan# 1630

Delta R.T. -0.006 min

Lab File: VW031163.D

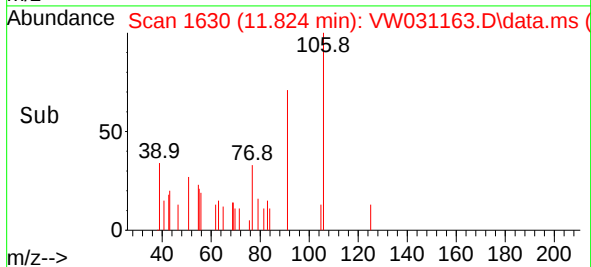
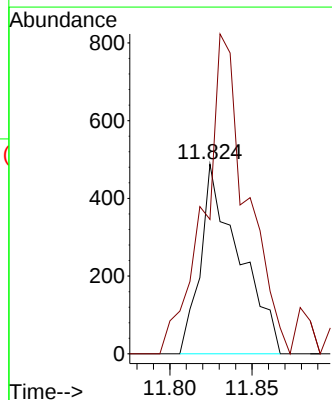
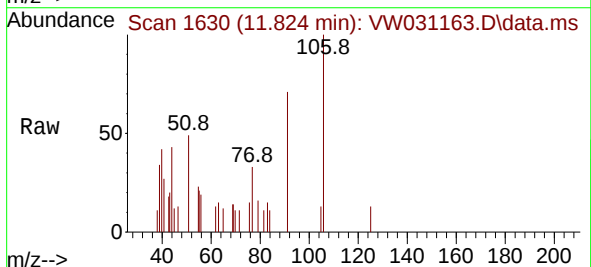
Acq: 09 Dec 2024 15:37

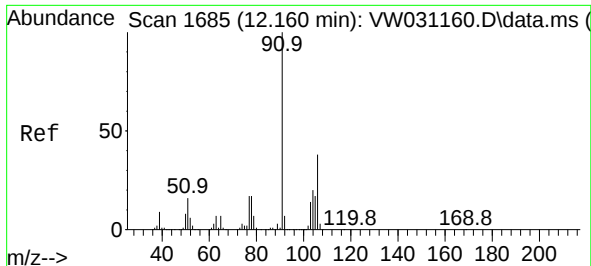
Tgt Ion:106 Resp: 794

Ion Ratio Lower Upper

106 100

91 70.9 140.9 261.7#

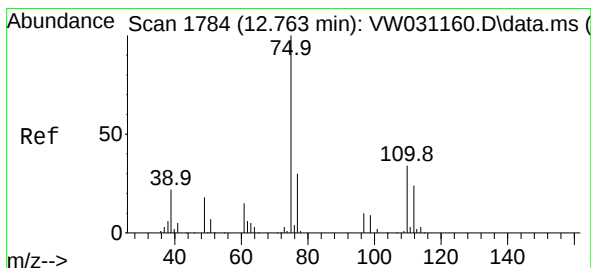
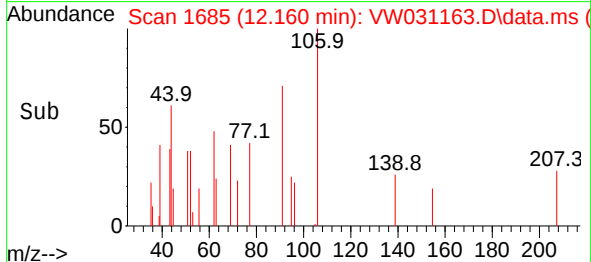
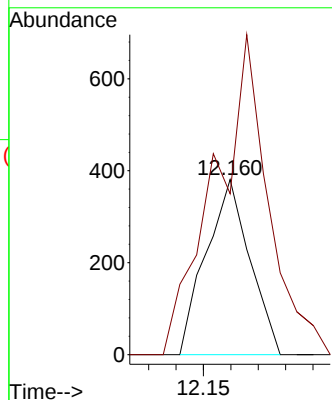
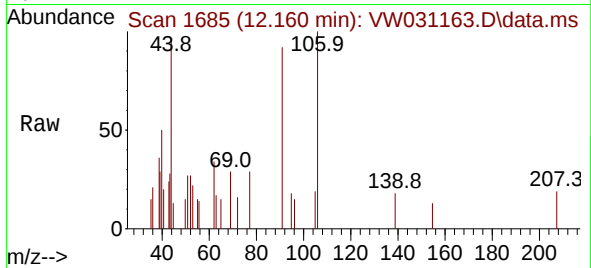




#54
o-Xylene
Concen: 0.395 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031163.D
Acq: 09 Dec 2024 15:37

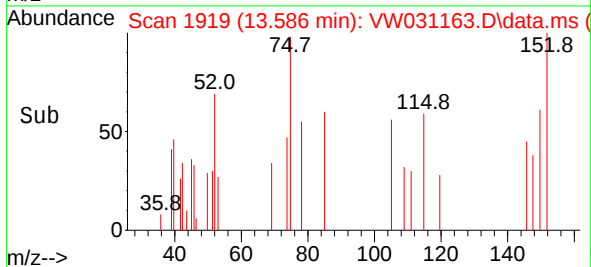
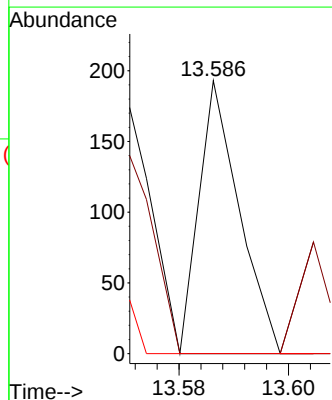
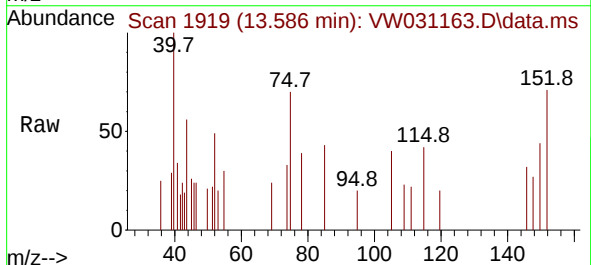
Instrument :
MSVOA_W
ClientSampleId :

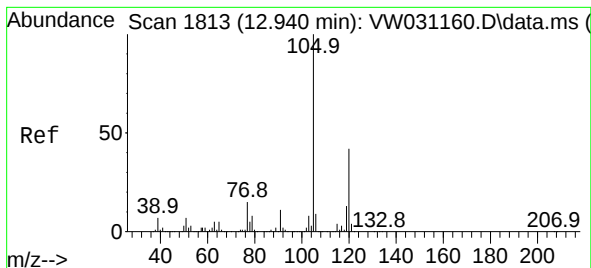
Tgt Ion:106 Resp: 423
Ion Ratio Lower Upper
106 100
91 91.9 152.7 283.5#



#61
1,2,3-Trichloropropane
Concen: 0.871 ug/L
RT: 13.586 min Scan# 1919
Delta R.T. 0.823 min
Lab File: VW031163.D
Acq: 09 Dec 2024 15:37

Tgt Ion: 75 Resp: 98
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.2
110 49.0 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 0.457 ug/L

RT: 13.245 min Scan# 11

Delta R.T. 0.305 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

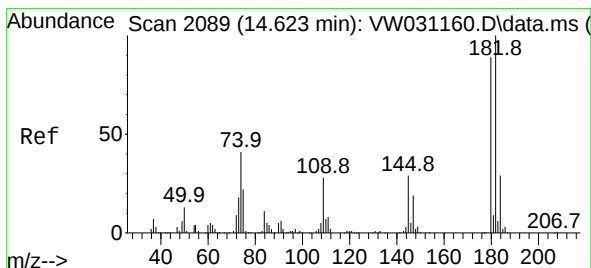
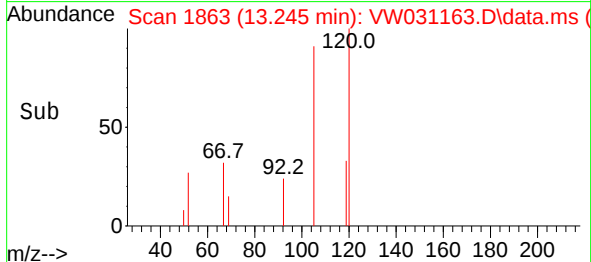
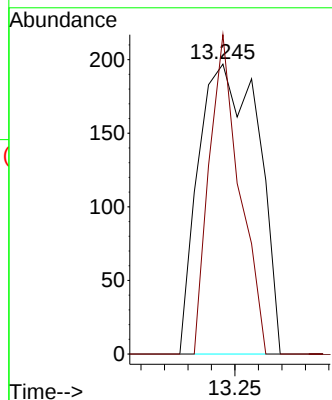
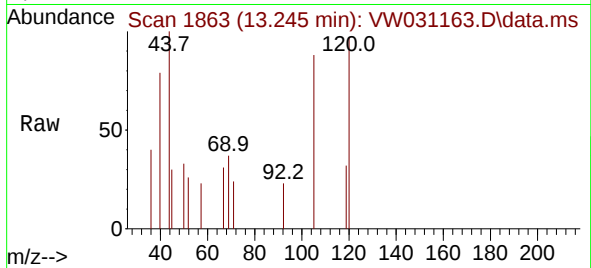
ClientSampleId :

Tgt Ion:105 Resp: 350

Ion Ratio Lower Upper

105 100

120 56.0 40.5 60.7



#69

1,3,5-Trichlorobenzene

Concen: 0.587 ug/L

RT: 15.116 min Scan# 2170

Delta R.T. 0.494 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Tgt Ion:180 Resp: 169

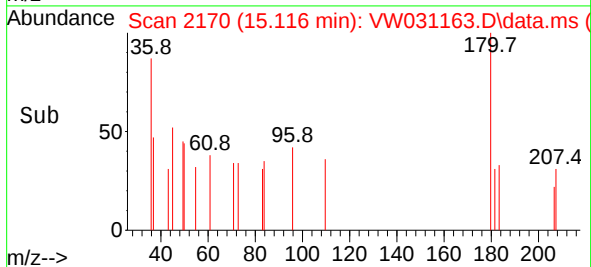
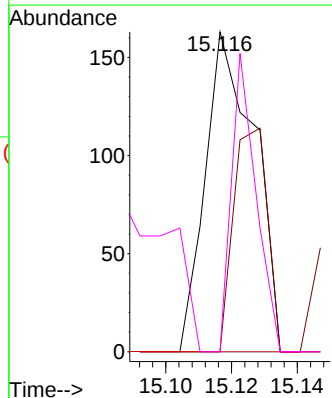
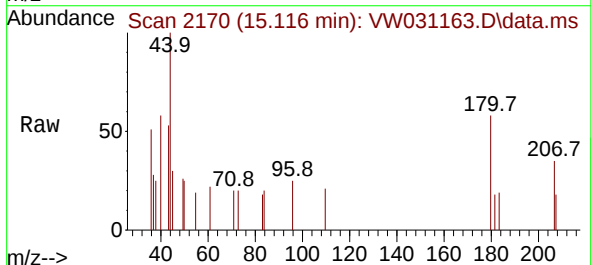
Ion Ratio Lower Upper

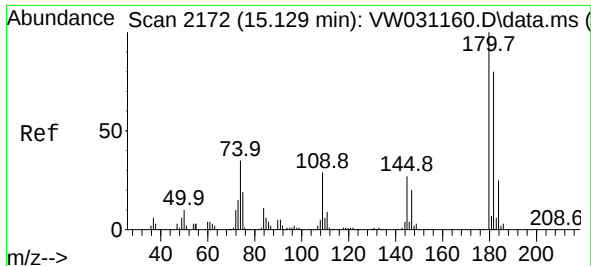
180 100

182 47.9 78.2 117.2#

184 0.0 24.0 36.0#

145 46.7 24.3 36.5#





#70

1,2,4-trichlorobenzene

Concen: 0.748 ug/L

RT: 15.116 min Scan# 2172

Delta R.T. -0.012 min

Lab File: VW031163.D

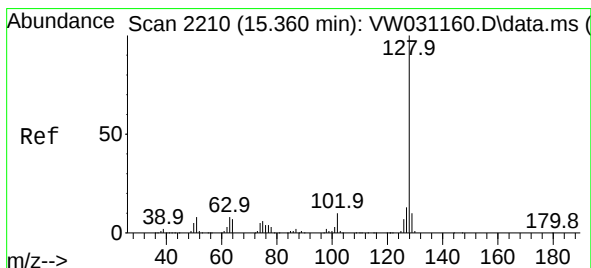
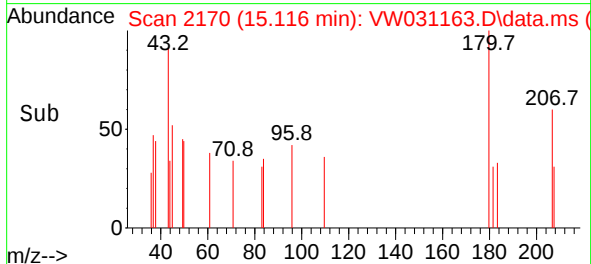
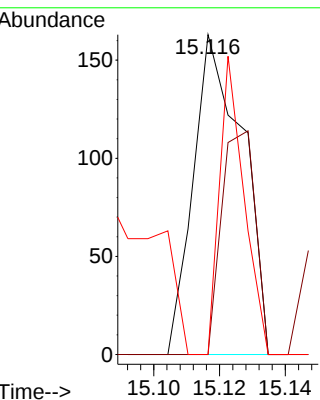
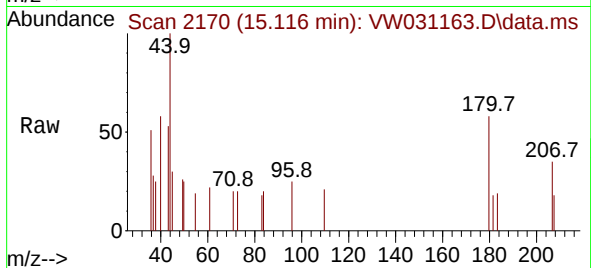
Acq: 09 Dec 2024 15:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180	Resp:	169
Ion Ratio	Lower	Upper
180	100	
182	47.9	76.1 114.1#
145	46.7	25.7 38.5#



#71

Naphthalene

Concen: 1.382 ug/L

RT: 15.354 min Scan# 2209

Delta R.T. -0.006 min

Lab File: VW031163.D

Acq: 09 Dec 2024 15:37

Tgt Ion:128	Resp:	503
Ion Ratio	Lower	Upper
128	100	
127	20.1	10.4 15.6#
129	10.1	8.3 12.5

