

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
 Data File : VW031510.D
 Acq On : 23 Dec 2024 16:23
 Operator : SY/MD
 Sample : P5322-16
 Misc : 6.90g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 00:18:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 24 00:12:57 2024
 Response via : Initial Calibration

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

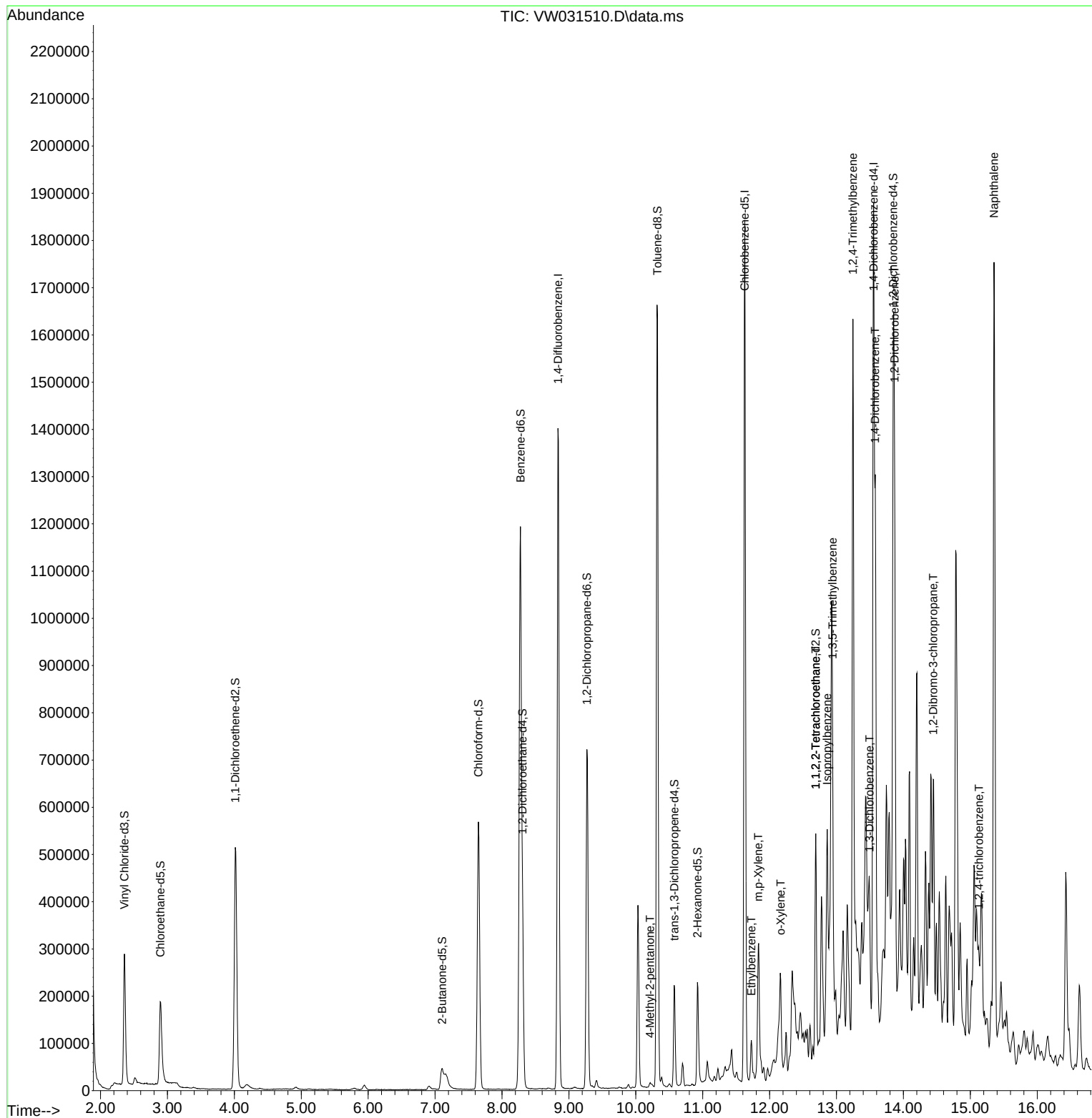
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	1195259	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	985648	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	449584	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	347503	19.323	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.280%
7) Chloroethane-d5	2.893	69	266272	20.015	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.080%
11) 1,1-Dichloroethene-d2	4.015	65	159377	18.683	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.720%
21) 2-Butanone-d5	7.106	46	99098	29.260	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.520%
24) Chloroform-d	7.648	84	579846	17.706	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.840%
26) 1,2-Dichloroethane-d4	8.307	65	282507	17.177	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	68.720%#
32) Benzene-d6	8.276	84	1226993	19.422	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.680%
36) 1,2-Dichloropropane-d6	9.270	67	340833	18.512	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	74.040%
41) Toluene-d8	10.325	98	1131753	19.257	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.040%
43) trans-1,3-Dichloroprop...	10.575	79	119452	14.070	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	56.280%
47) 2-Hexanone-d5	10.922	63	76443	30.873	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.740%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	198586	17.178	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.720%
66) 1,2-Dichlorobenzene-d4	13.848	152	317775	19.039	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.160%
Target Compounds						Qvalue
40) 4-Methyl-2-pentanone	10.215	43	6901	0.856	ug/L	100
52) Ethylbenzene	11.727	91	60898	0.792	ug/L	97
53) m,p-Xylene	11.830	106	73944	2.527	ug/L	99
54) o-Xylene	12.166	106	49145	1.782	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.690	83	5474	0.502	ug/L #	82
60) Isopropylbenzene	12.861	105	153953	2.093	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	177285	2.842	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	792147	13.139	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	11653	0.391	ug/L #	54
65) 1,4-Dichlorobenzene	13.574	146	14642	0.496	ug/L #	61
67) 1,2-Dichlorobenzene	13.867	146	116002	4.517	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.446	75	1985	1.017	ug/L #	21
70) 1,2,4-trichlorobenzene	15.129	180	31144	1.793	ug/L #	30
71) Naphthalene	15.354	128	1459005	47.920	ug/L	99

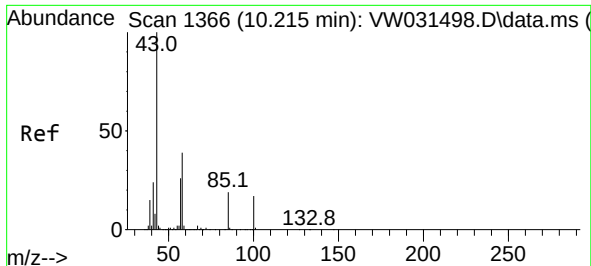
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
Data File : VW031510.D
Acq On : 23 Dec 2024 16:23
Operator : SY/MD
Sample : P5322-16
Misc : 6.90g/10mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 24 00:18:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 24 00:12:57 2024
Response via : Initial Calibration





#40

4-Methyl-2-pentanone

Concen: 0.856 ug/L

RT: 10.215 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031510.D

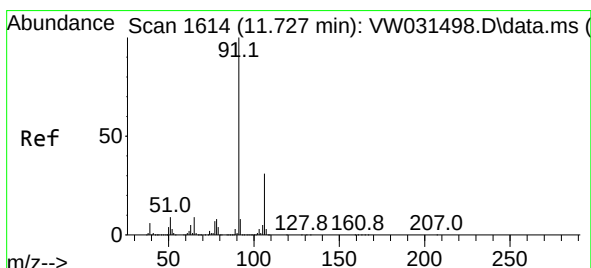
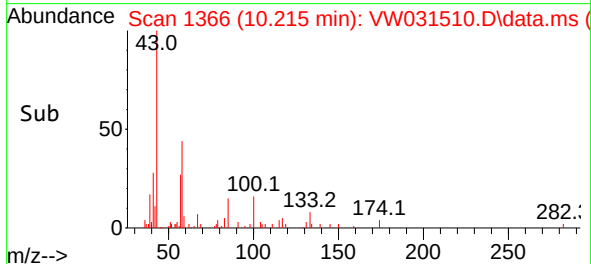
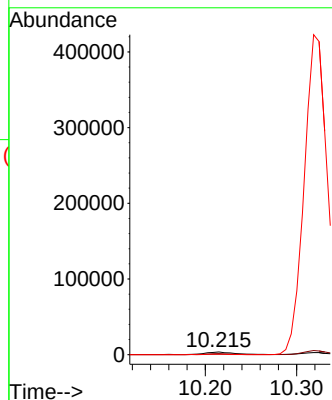
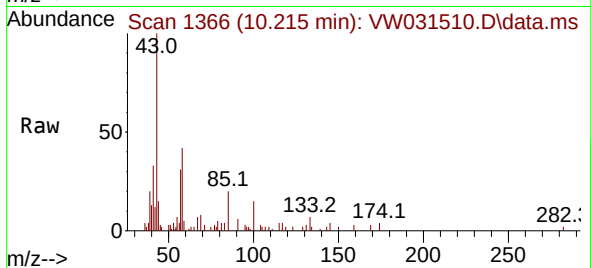
Acq: 23 Dec 2024 16:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	43	Resp:	6901
Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.1	46.7
100	16.7	13.0	19.6



#52

Ethylbenzene

Concen: 0.792 ug/L

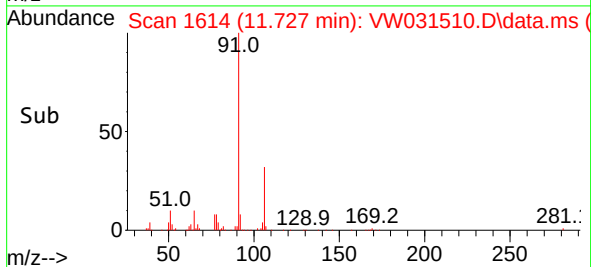
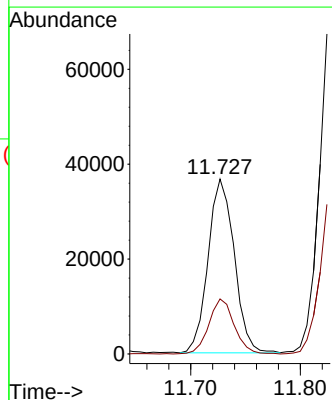
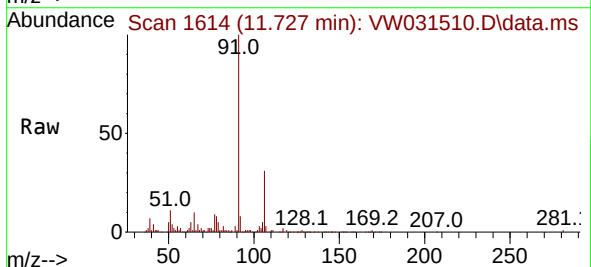
RT: 11.727 min Scan# 1614

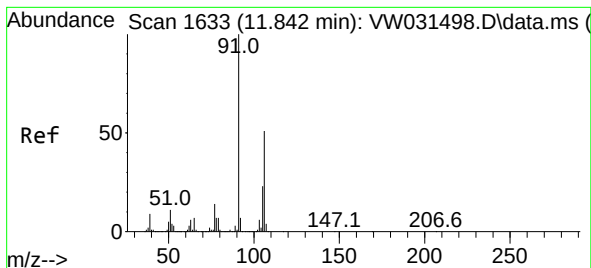
Delta R.T. 0.000 min

Lab File: VW031510.D

Acq: 23 Dec 2024 16:23

Tgt Ion:	91	Resp:	60898
Ion	Ratio	Lower	Upper
91	100		
106	31.5	20.7	38.5





#53

m,p-Xylene

Concen: 2.527 ug/L

RT: 11.830 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW031510.D

Acq: 23 Dec 2024 16:23

Instrument :

MSVOA_W

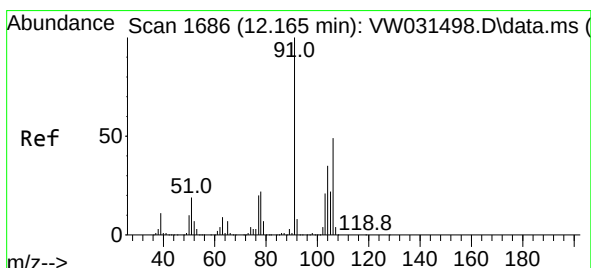
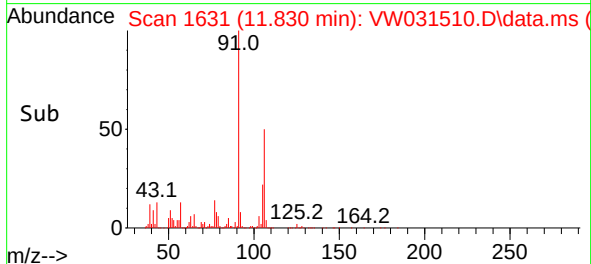
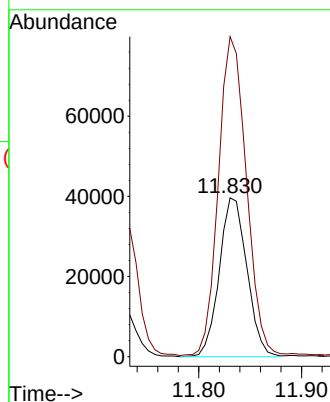
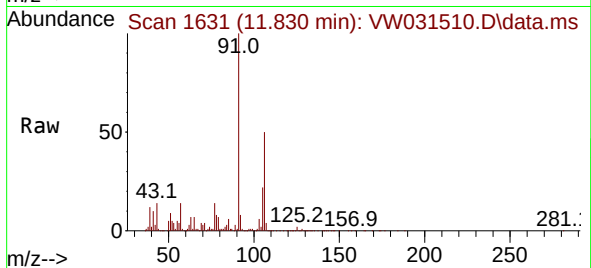
ClientSampleId :

Tgt Ion:106 Resp: 73944

Ion Ratio Lower Upper

106 100

91 201.5 139.9 259.7



#54

o-Xylene

Concen: 1.782 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW031510.D

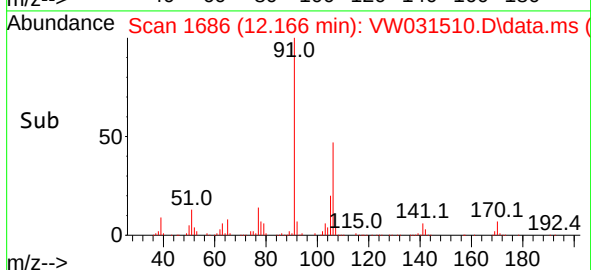
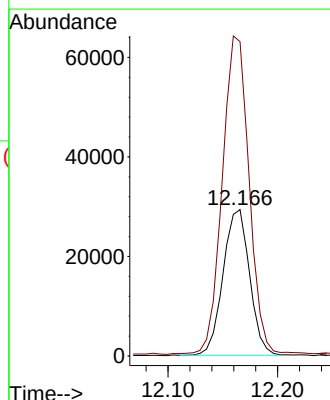
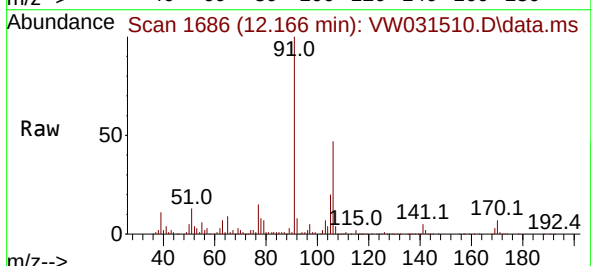
Acq: 23 Dec 2024 16:23

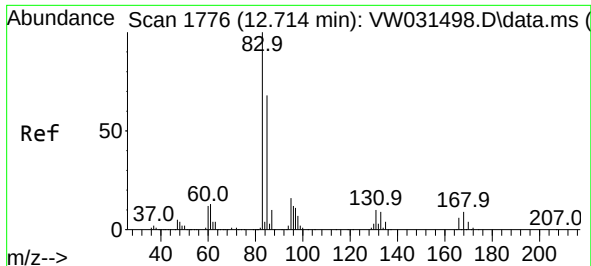
Tgt Ion:106 Resp: 49145

Ion Ratio Lower Upper

106 100

91 214.5 153.1 284.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.502 ug/L

RT: 12.690 min Scan# 1

Delta R.T. -0.024 min

Lab File: VW031510.D

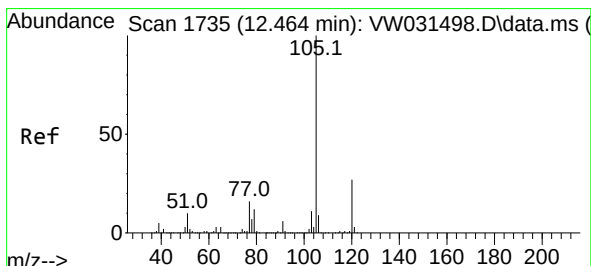
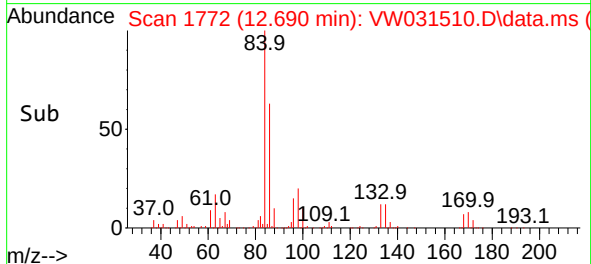
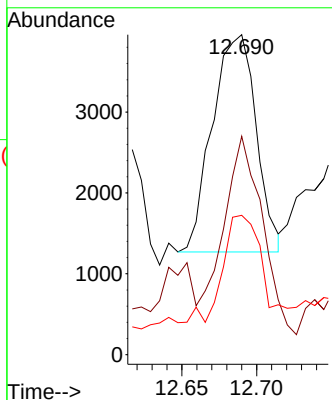
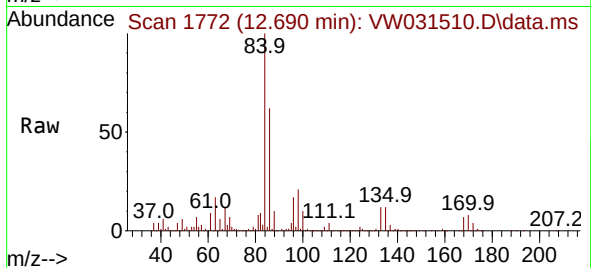
Acq: 23 Dec 2024 16:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	5474
Ion	Ratio	Lower	Upper
83	100		
85	68.3	44.1	81.9
131	43.5	7.9	11.9#



#60

Isopropylbenzene

Concen: 2.093 ug/L

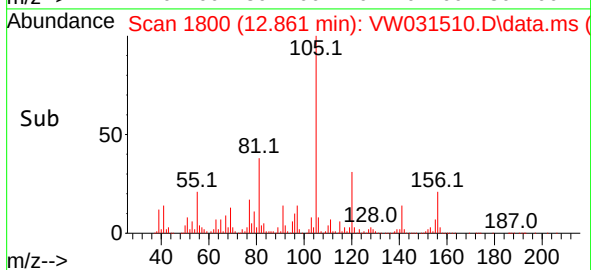
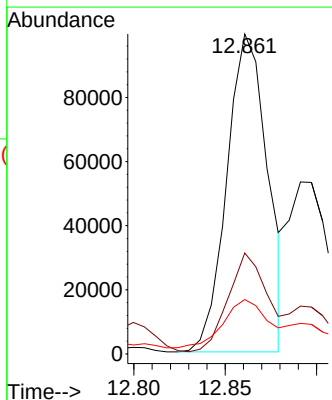
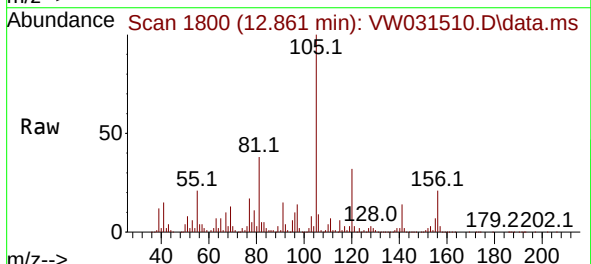
RT: 12.861 min Scan# 1800

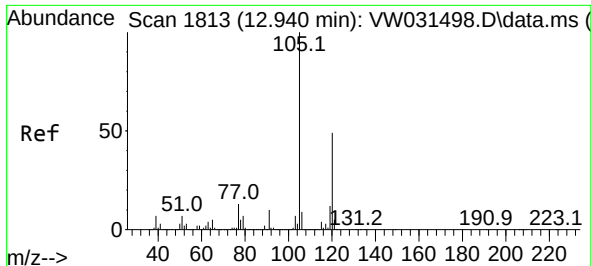
Delta R.T. 0.396 min

Lab File: VW031510.D

Acq: 23 Dec 2024 16:23

Tgt Ion:	105	Resp:	153953
Ion	Ratio	Lower	Upper
105	100		
120	29.5	20.6	31.0
77	16.3	12.8	19.2

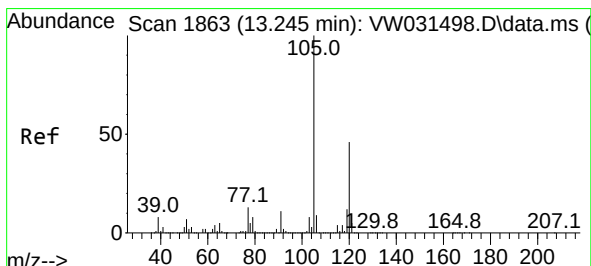
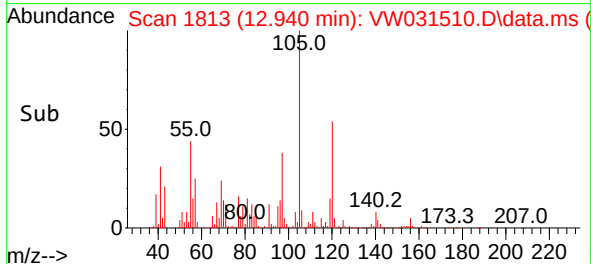
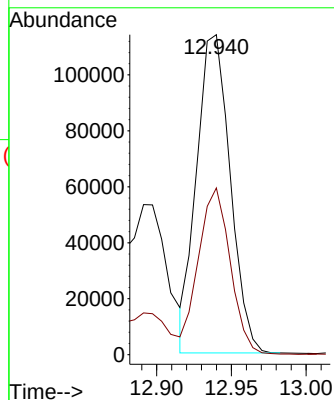
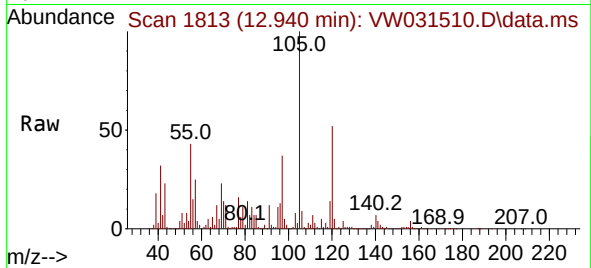




#62
1,3,5-Trimethylbenzene
Concen: 2.842 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031510.D
Acq: 23 Dec 2024 16:23

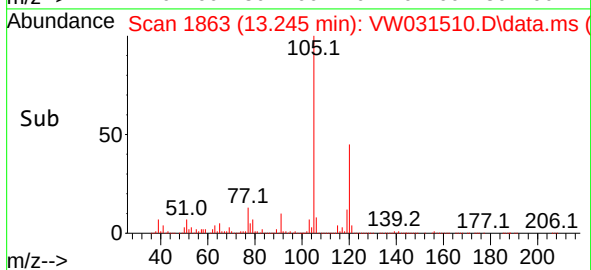
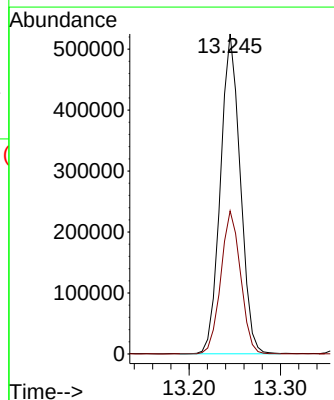
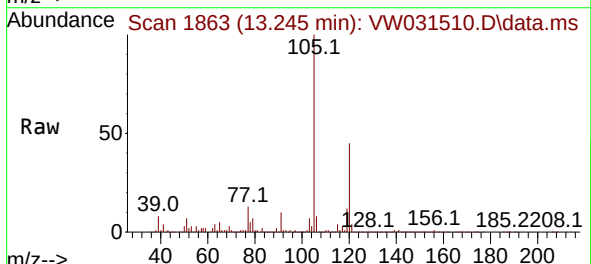
Instrument :
MSVOA_W
ClientSampleId :

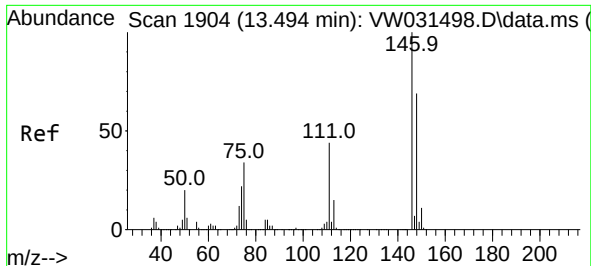
Tgt Ion:105 Resp: 177285
Ion Ratio Lower Upper
105 100
120 49.6 37.3 55.9



#63
1,2,4-Trimethylbenzene
Concen: 13.139 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031510.D
Acq: 23 Dec 2024 16:23

Tgt Ion:105 Resp: 792147
Ion Ratio Lower Upper
105 100
120 44.5 35.0 52.4

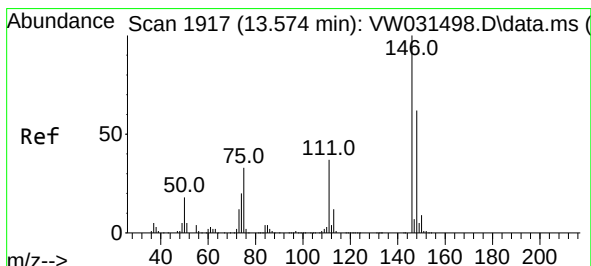
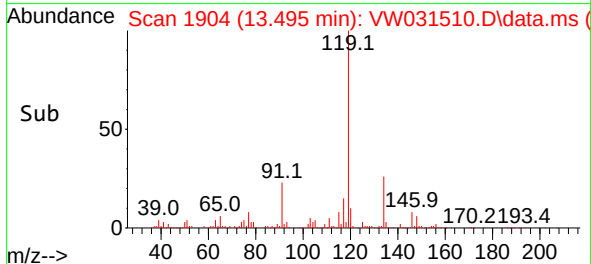
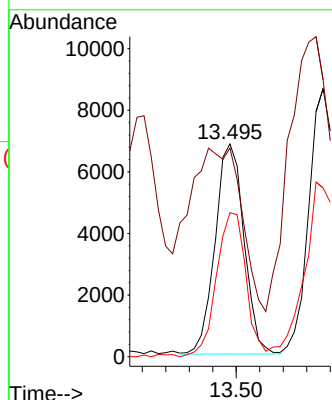
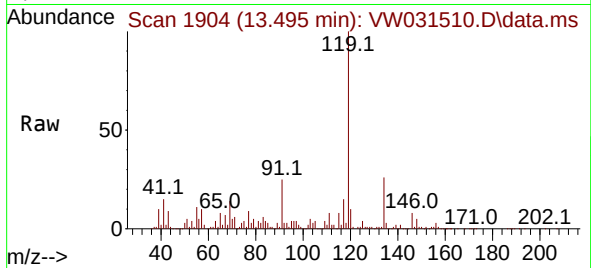




#64
1,3-Dichlorobenzene
Concen: 0.391 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031510.D
Acq: 23 Dec 2024 16:23

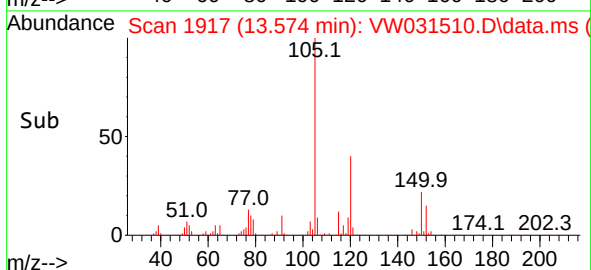
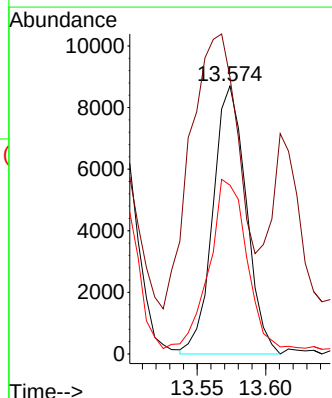
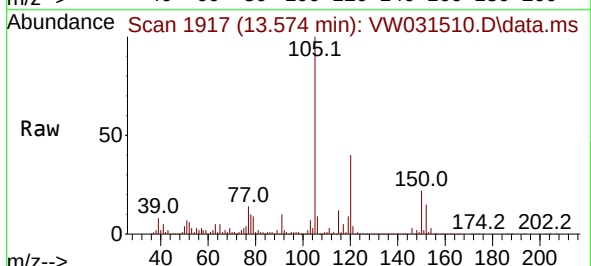
Instrument :
MSVOA_W
ClientSampleId :

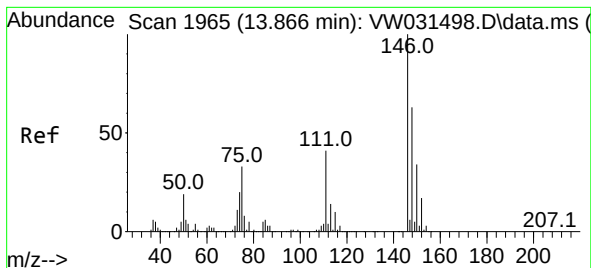
Tgt Ion:146 Resp: 11653
Ion Ratio Lower Upper
146 100
111 98.0 27.6 51.2#
148 67.7 41.0 76.2



#65
1,4-Dichlorobenzene
Concen: 0.496 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031510.D
Acq: 23 Dec 2024 16:23

Tgt Ion:146 Resp: 14642
Ion Ratio Lower Upper
146 100
111 103.3 30.7 56.9#
148 63.0 46.5 86.3





#67

1,2-Dichlorobenzene

Concen: 4.517 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031510.D

Acq: 23 Dec 2024 16:23

Instrument :

MSVOA_W

ClientSampleId :

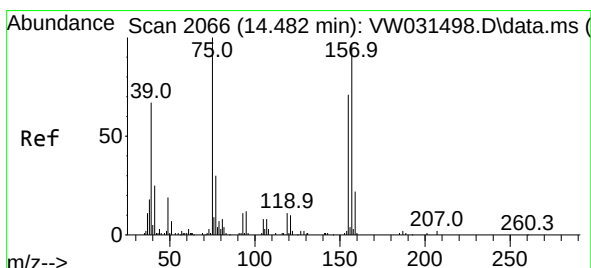
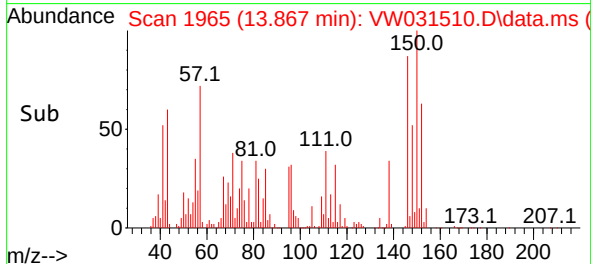
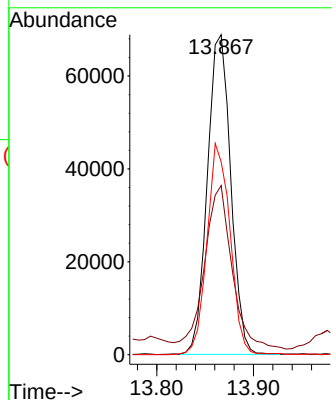
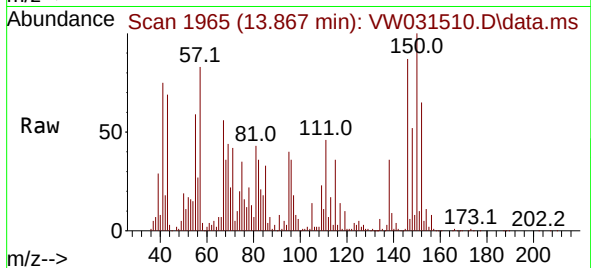
Tgt Ion:146 Resp: 116002

Ion Ratio Lower Upper

146 100

111 52.9 38.6 58.0

148 60.3 53.6 80.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.017 ug/L

RT: 14.446 min Scan# 2060

Delta R.T. -0.036 min

Lab File: VW031510.D

Acq: 23 Dec 2024 16:23

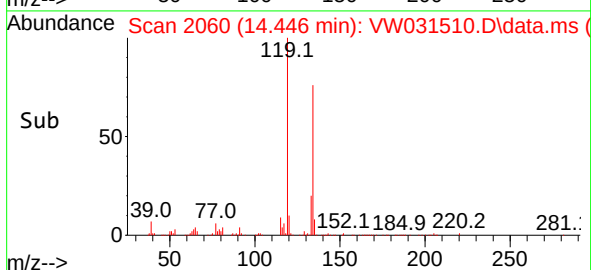
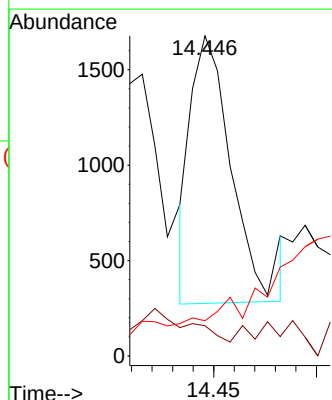
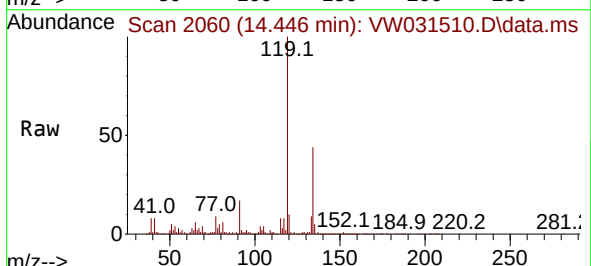
Tgt Ion: 75 Resp: 1985

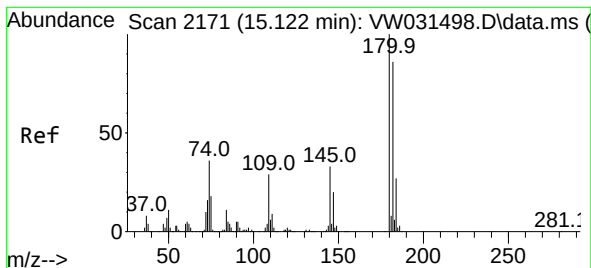
Ion Ratio Lower Upper

75 100

155 9.5 56.6 85.0#

157 11.0 71.2 106.8#





#70

1,2,4-trichlorobenzene

Concen: 1.793 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW031510.D

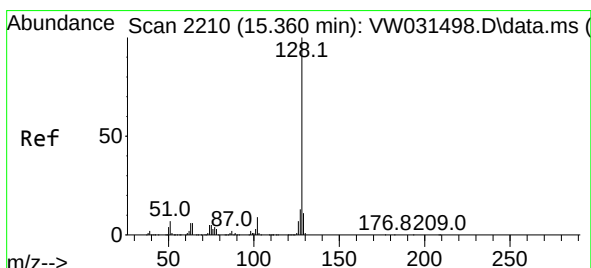
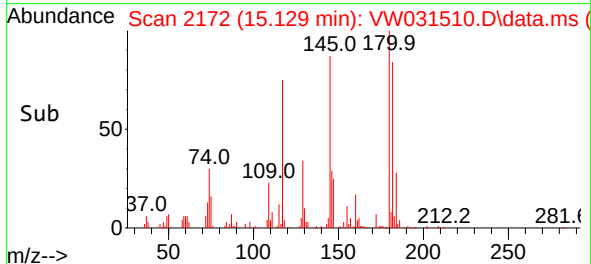
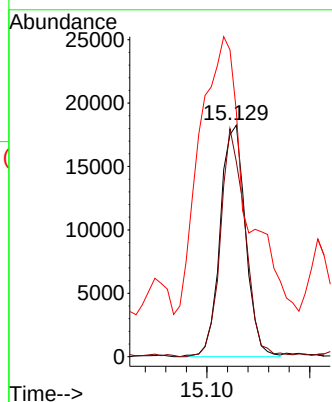
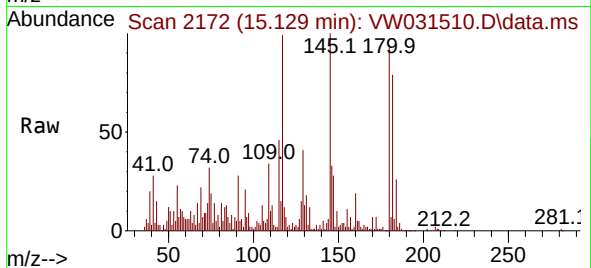
Acq: 23 Dec 2024 16:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180	Resp:	31144
Ion Ratio	Lower	Upper
180	100	
182	94.9	78.2 117.2
145	184.1	26.7 40.1#



#71

Naphthalene

Concen: 47.920 ug/L

RT: 15.354 min Scan# 2209

Delta R.T. -0.006 min

Lab File: VW031510.D

Acq: 23 Dec 2024 16:23

Tgt Ion:128	Resp:	1459005
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.7 16.1
129	11.2	8.6 13.0

