

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122324\
 Data File : VW031509.D
 Acq On : 23 Dec 2024 15:59
 Operator : SY/MD
 Sample : P5322-17
 Misc : 6.46g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 00:17:38 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	927895	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	845662	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	410189	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	280788	20.112	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	80.440%	
7) Chloroethane-d5	2.899	69	222424	21.537	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	86.160%	
11) 1,1-Dichloroethene-d2	4.021	65	124116	18.742	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	=	74.960%	
21) 2-Butanone-d5	7.100	46	105704	40.203	ug/L	-0.01
Spiked Amount	50.000	Range 20 - 135	Recovery	=	80.400%	
24) Chloroform-d	7.648	84	489231	19.243	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	76.960%	
26) 1,2-Dichloroethane-d4	8.581	65	121	0.009	ug/L	0.27
Spiked Amount	25.000	Range 70 - 130	Recovery	=	0.040%#	
32) Benzene-d6	8.276	84	1017330	18.769	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	75.080%	
36) 1,2-Dichloropropane-d6	9.276	67	298608	18.903	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	75.600%	
41) Toluene-d8	10.319	98	949849	18.837	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	75.360%	
43) trans-1,3-Dichloroprop...	10.575	79	111224	15.270	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	61.080%	
47) 2-Hexanone-d5	10.922	63	83605	39.354	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	78.700%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	209627	21.135	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	84.560%	
66) 1,2-Dichlorobenzene-d4	13.848	152	295226	19.387	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	77.560%	
Target Compounds						
13) Acetone	4.179	43	72962	19.926	ug/L #	100
20) cis-1,2-Dichloroethene	7.167	96	5880	0.443	ug/L	93
22) 2-Butanone	7.197	43	13376	3.015	ug/L #	64
35) Methylcyclohexane	9.337	83	8933	0.348	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	47601	6.882	ug/L	98
42) Toluene	10.386	91	399464	7.021	ug/L	97
48) 2-Hexanone	10.928	43	28262	4.804	ug/L #	43
52) Ethylbenzene	11.727	91	1187032	18.001	ug/L	96
53) m,p-Xylene	11.830	106	1829720	72.886	ug/L	96
54) o-Xylene	12.160	106	896005	37.871	ug/L	96
55) Styrene	12.172	104	83891	2.132	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.690	83	35455	3.793	ug/L #	53
60) Isopropylbenzene	12.861	105	2096465	31.232	ug/L	92
61) 1,2,3-Trichloropropane	12.800	75	4708	0.671	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.940	105	1750784	30.764	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	6890105	125.263	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	10881	0.400	ug/L #	1
65) 1,4-Dichlorobenzene	13.574	146	28137	1.044	ug/L #	21
67) 1,2-Dichlorobenzene	13.867	146	356653	15.220	ug/L	93

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Quant Title : SFAM01.0
QLast Update : Tue Dec 24 00:12:57 2024
Response via : Initial Calibration

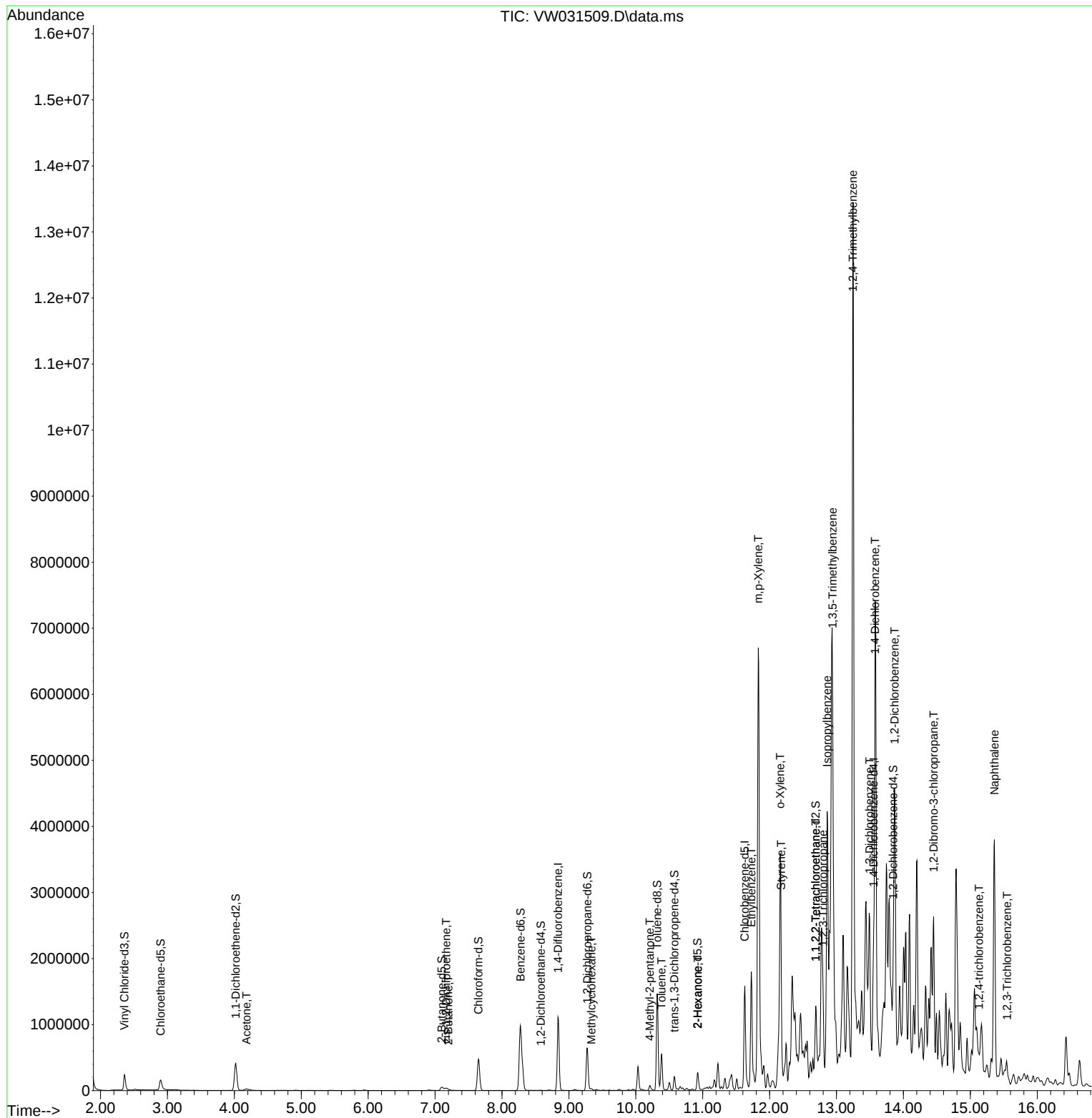
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.452	75	15201	8.534	ug/L #	10
70) 1,2,4-trichlorobenzene	15.129	180	32734	2.066	ug/L #	1
71) Naphthalene	15.360	128	3163742	113.892	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	4232	0.332	ug/L #	1

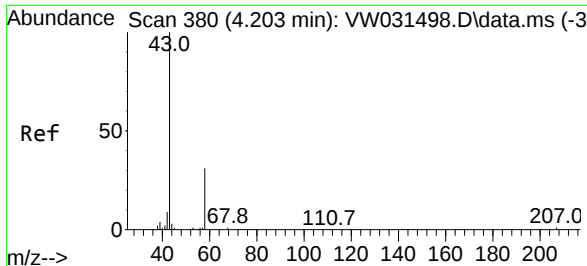
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 24 00:12:57 2024
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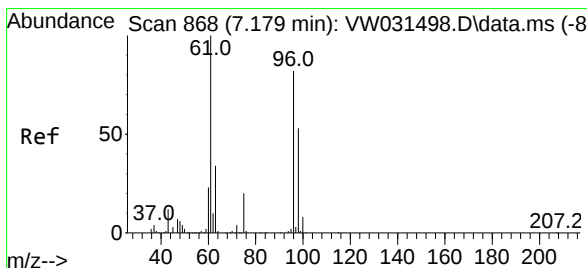
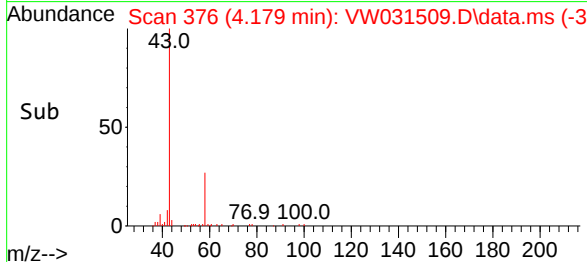
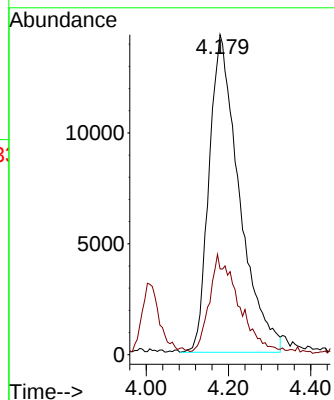
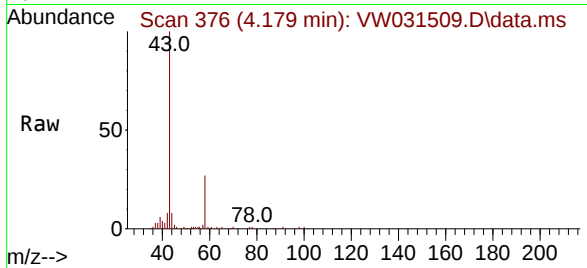




#13
Acetone
Concen: 19.926 ug/L
RT: 4.179 min Scan# 31
Delta R.T. -0.024 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

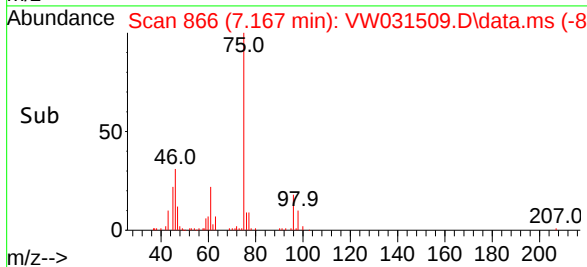
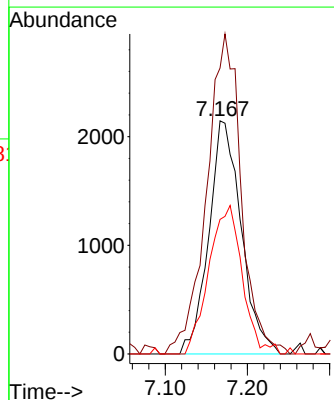
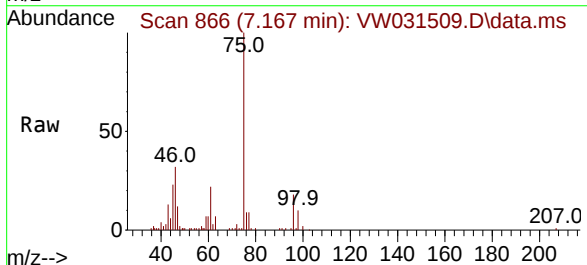
Instrument :
MSVOA_W
ClientSampleId :

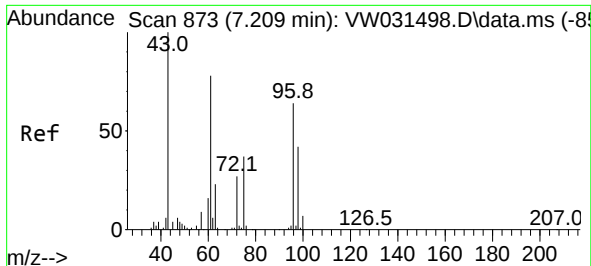
Tgt Ion: 43 Resp: 72962
Ion Ratio Lower Upper
43 100
58 13.2 0.0 0.0#



#20
cis-1,2-Dichloroethene
Concen: 0.443 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.012 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Tgt Ion: 96 Resp: 5880
Ion Ratio Lower Upper
96 100
61 122.7 92.2 171.2
98 57.7 43.7 81.1

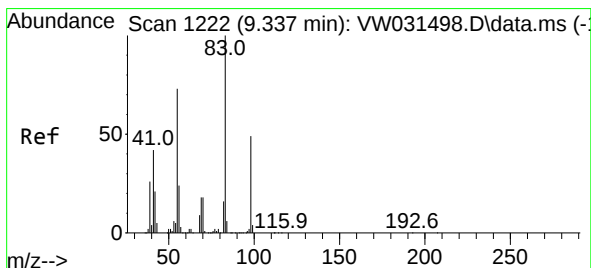
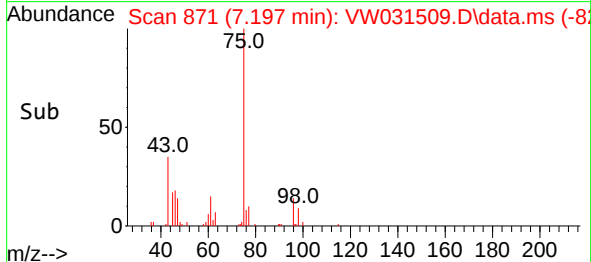
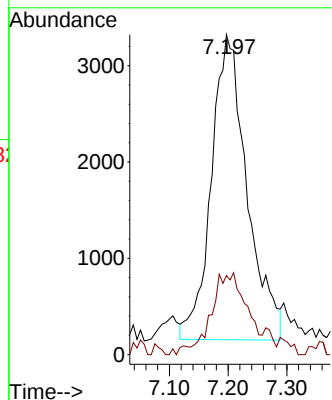
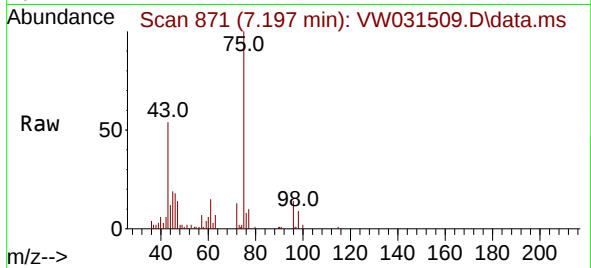




#22
2-Butanone
Concen: 3.015 ug/L
RT: 7.197 min Scan# 81
Delta R.T. -0.012 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

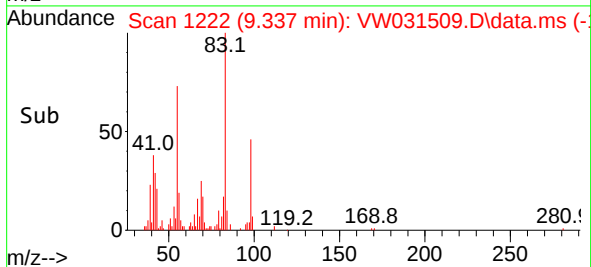
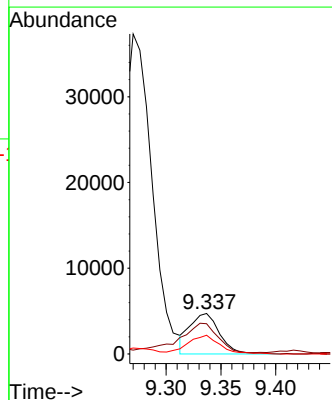
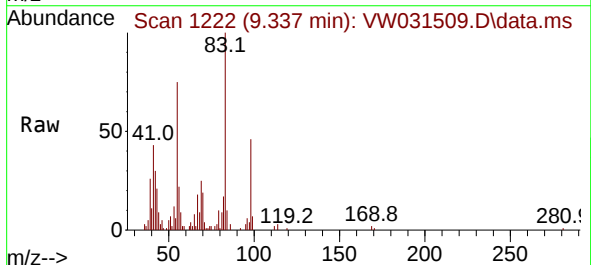
Instrument :
MSVOA_W
ClientSampleId :

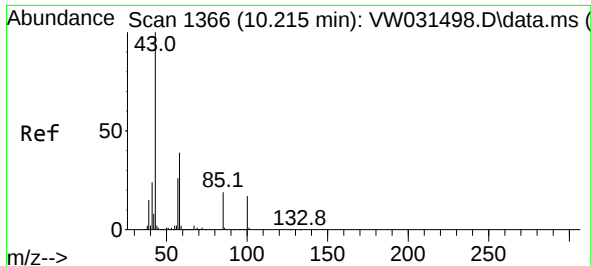
Tgt Ion: 43 Resp: 13376
Ion Ratio Lower Upper
43 100
72 7.9 13.3 39.8#



#35
Methylcyclohexane
Concen: 0.348 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Tgt Ion: 83 Resp: 8933
Ion Ratio Lower Upper
83 100
55 77.1 62.6 93.8
98 49.4 39.8 59.6

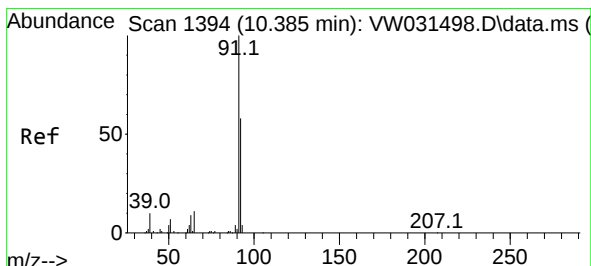
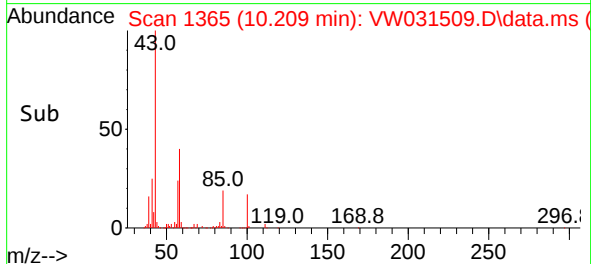
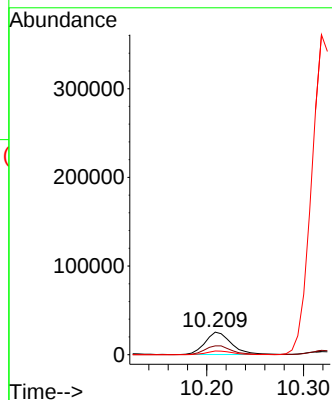
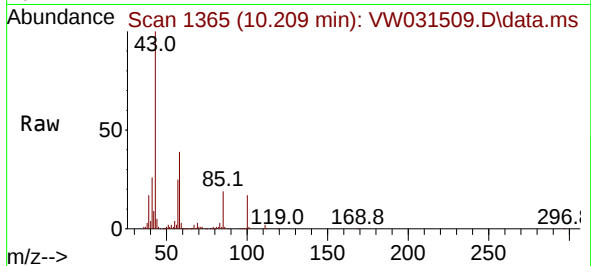




#40
4-Methyl-2-pentanone
Concen: 6.882 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

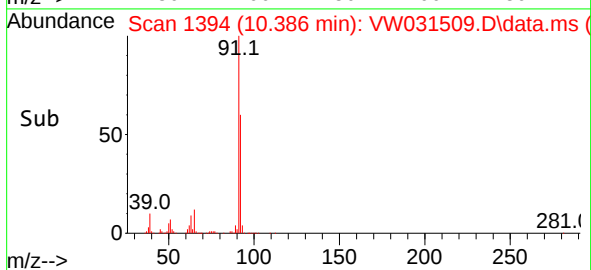
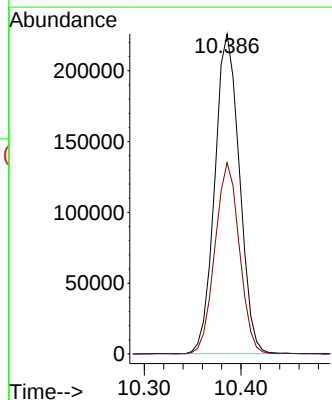
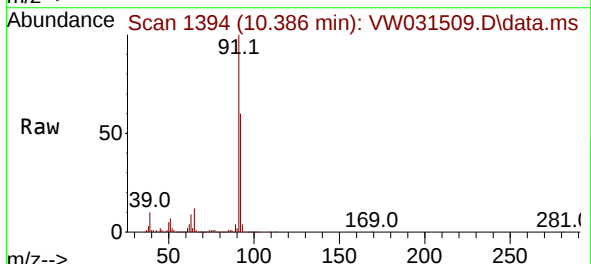
Instrument :
MSVOA_W
ClientSampleId :

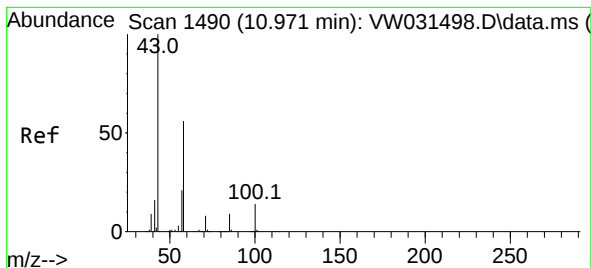
Tgt Ion: 43 Resp: 47601
Ion Ratio Lower Upper
43 100
58 40.4 31.1 46.7
100 16.3 13.0 19.6



#42
Toluene
Concen: 7.021 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

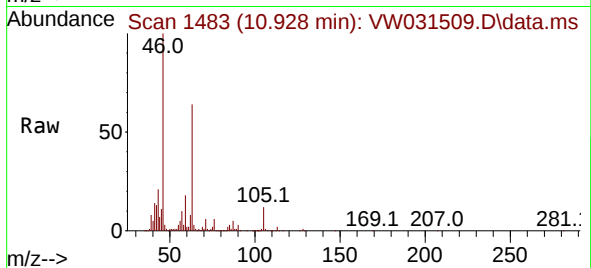
Tgt Ion: 91 Resp: 399464
Ion Ratio Lower Upper
91 100
92 59.8 40.3 74.9



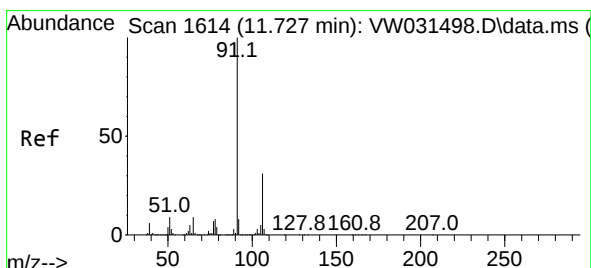
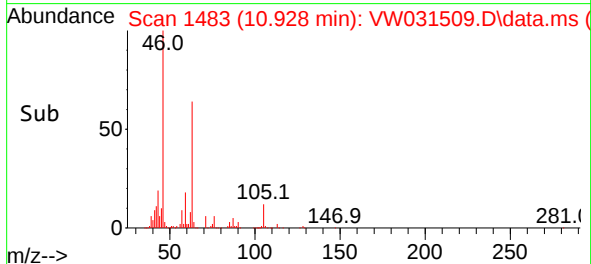
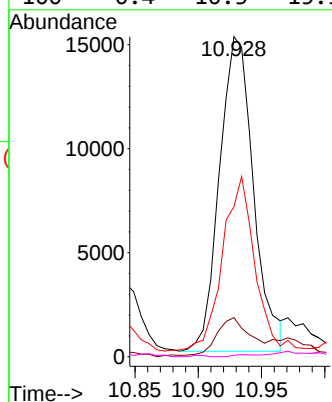


#48
2-Hexanone
Concen: 4.804 ug/L
RT: 10.928 min Scan# 1490
Delta R.T. -0.042 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Instrument :
MSVOA_W
ClientSampleId :

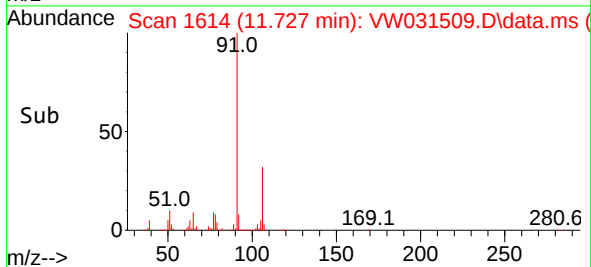
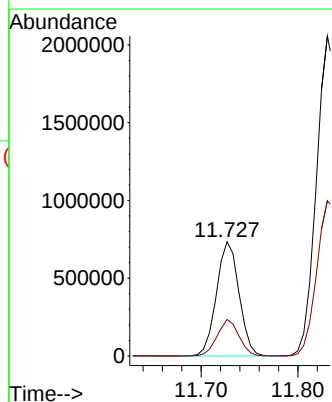
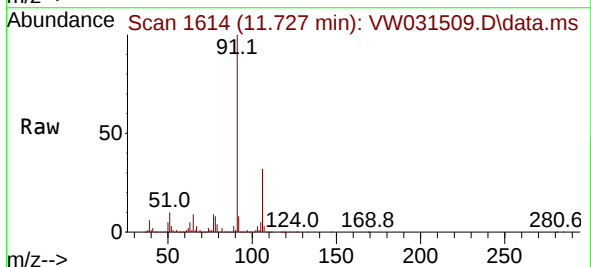


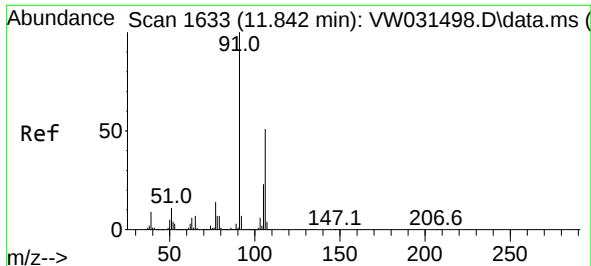
Tgt Ion: 43 Resp: 28262
Ion Ratio Lower Upper
43 100
58 11.6 43.0 64.6#
57 51.7 15.7 23.5#
100 0.4 10.3 15.5#



#52
Ethylbenzene
Concen: 18.001 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Tgt Ion: 91 Resp: 1187032
Ion Ratio Lower Upper
91 100
106 31.9 20.7 38.5

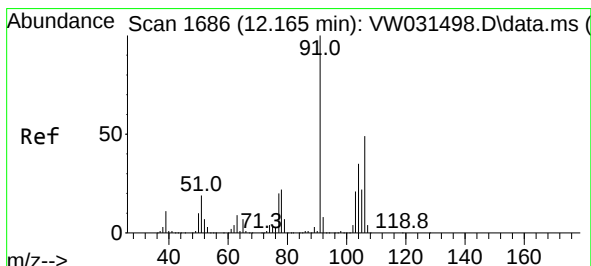
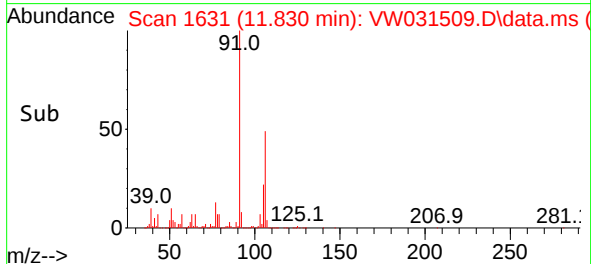
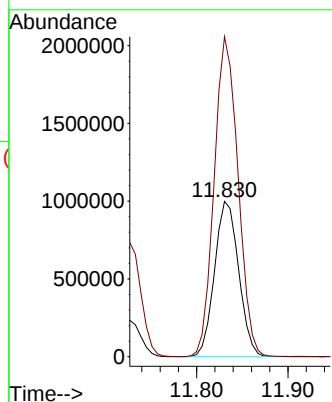
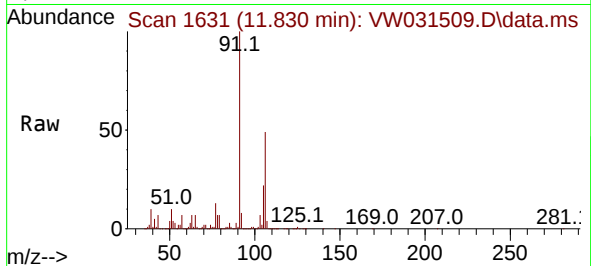




#53
m,p-Xylene
Concen: 72.886 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.012 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

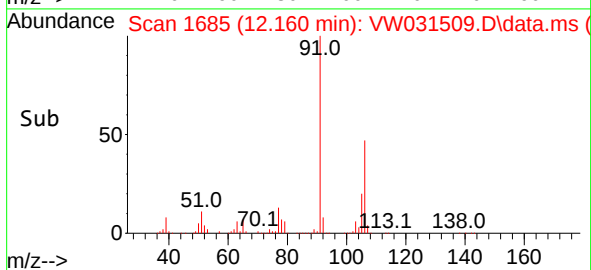
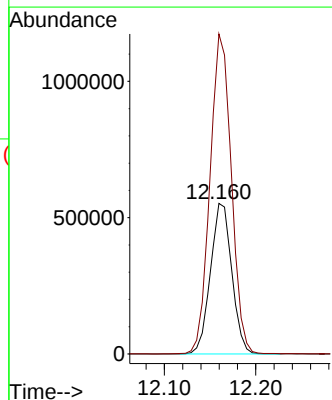
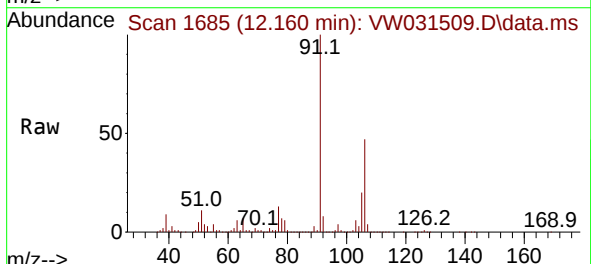
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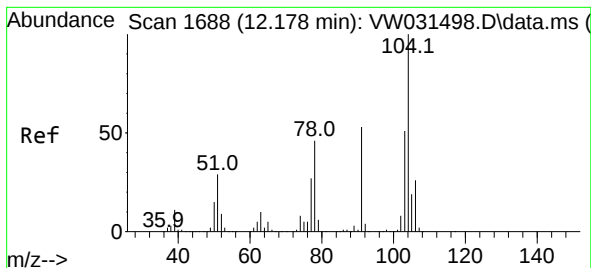
Tgt Ion:106 Resp: 1829720
Ion Ratio Lower Upper
106 100
91 206.0 139.9 259.7



#54
o-Xylene
Concen: 37.871 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Tgt Ion:106 Resp: 896005
Ion Ratio Lower Upper
106 100
91 212.5 153.1 284.3





#55

Styrene

Concen: 2.132 ug/L

RT: 12.172 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

Instrument :

MSVOA_W

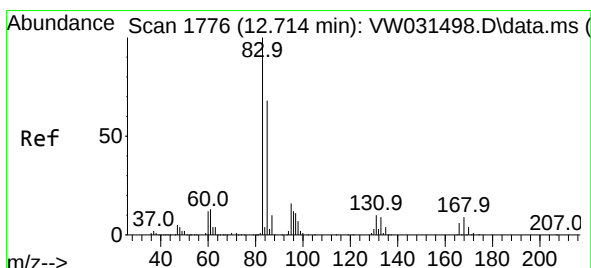
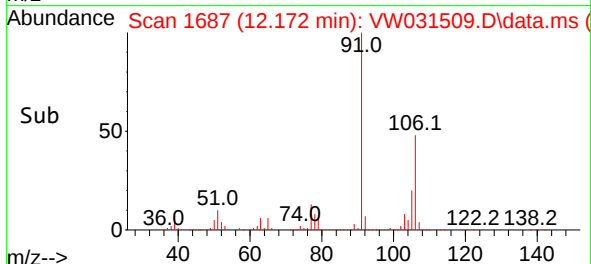
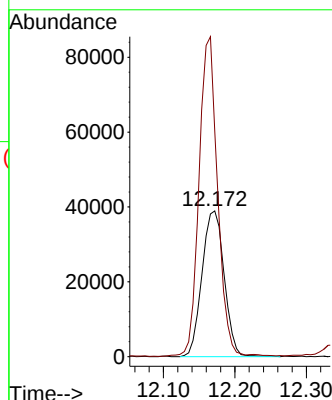
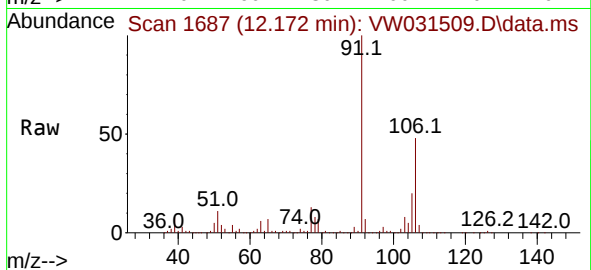
ClientSampleId :

Tgt Ion:104 Resp: 83891

Ion Ratio Lower Upper

104 100

78 154.7 31.4 58.4#



#57

1,1,2,2-Tetrachloroethane

Concen: 3.793 ug/L

RT: 12.690 min Scan# 1772

Delta R.T. -0.024 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

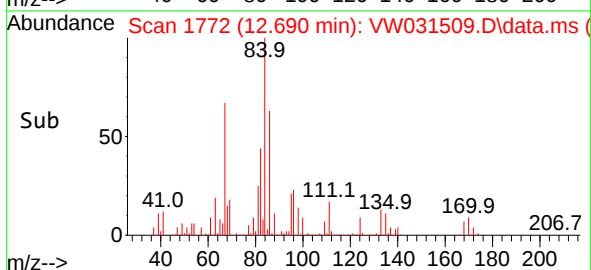
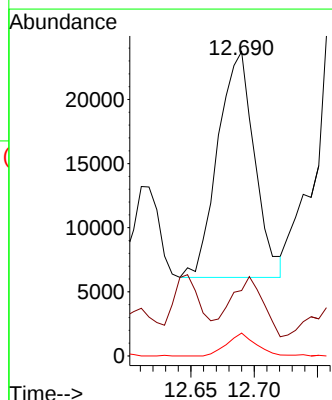
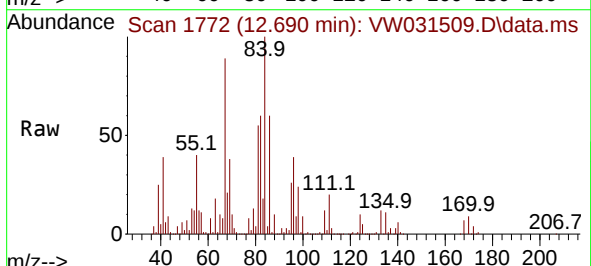
Tgt Ion: 83 Resp: 35455

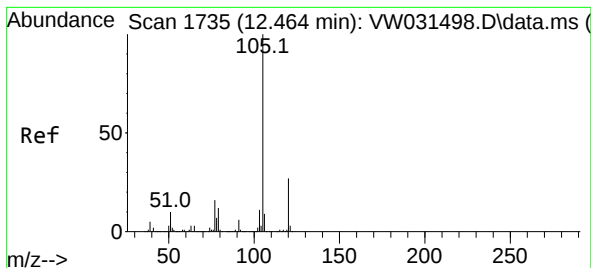
Ion Ratio Lower Upper

83 100

85 21.5 44.1 81.9#

131 7.5 7.9 11.9#





#60

Isopropylbenzene

Concen: 31.232 ug/L

RT: 12.861 min Scan# 1790

Delta R.T. 0.397 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

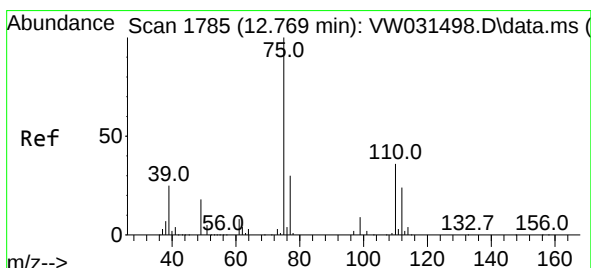
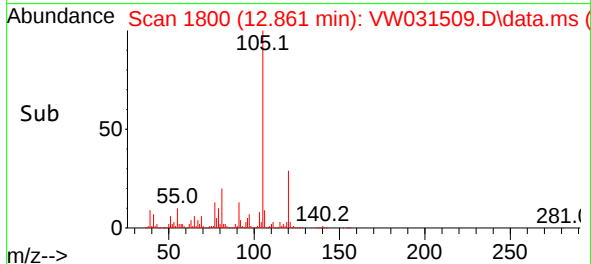
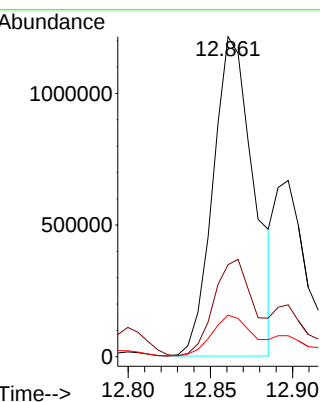
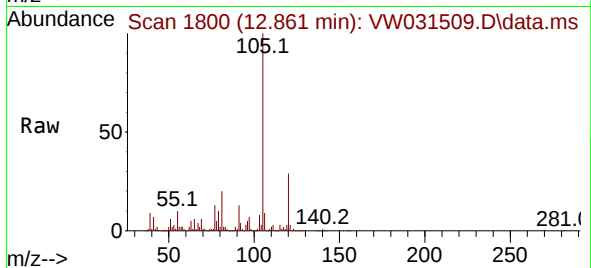
Tgt Ion:105 Resp: 2096465

Ion Ratio Lower Upper

105 100

120 30.3 20.6 31.0

77 12.9 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 0.671 ug/L

RT: 12.800 min Scan# 1790

Delta R.T. 0.031 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

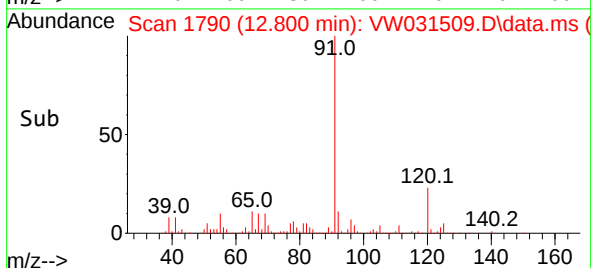
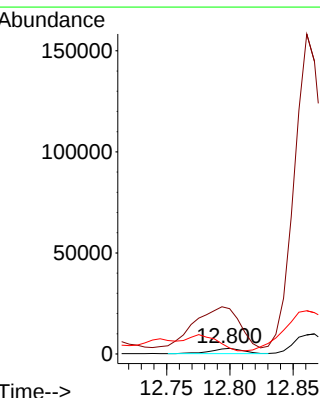
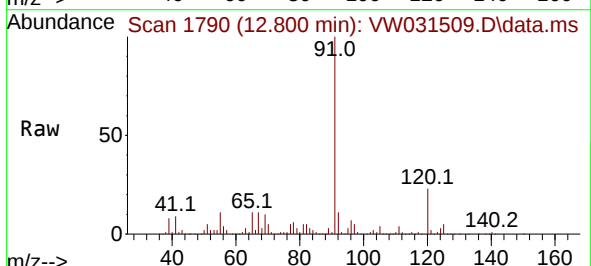
Tgt Ion: 75 Resp: 4708

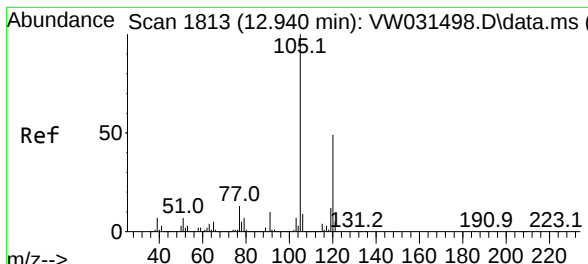
Ion Ratio Lower Upper

75 100

77 1059.4 25.3 37.9#

110 288.3 31.2 46.8#

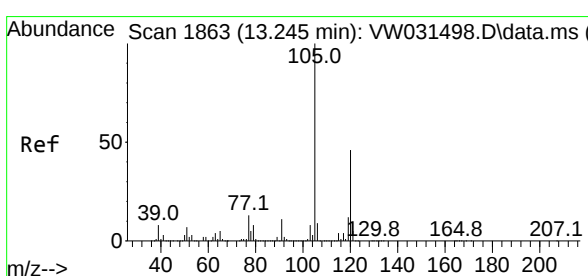
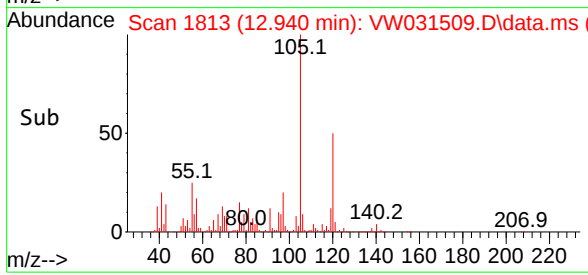
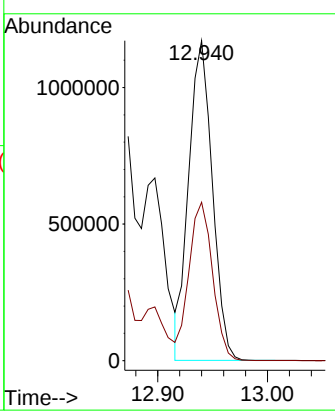
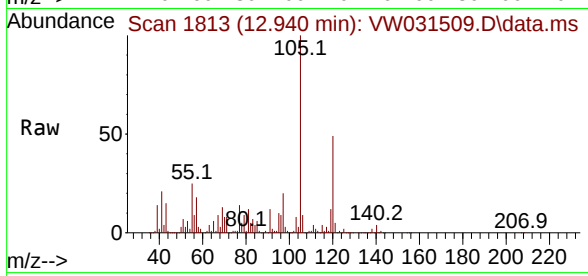




#62
1,3,5-Trimethylbenzene
Concen: 30.764 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

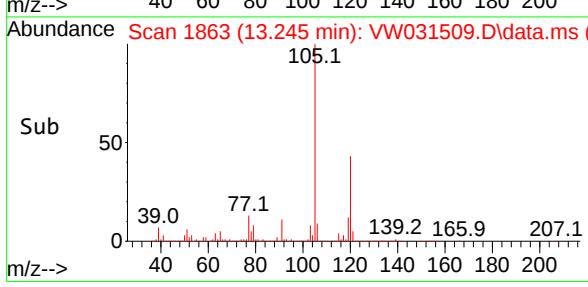
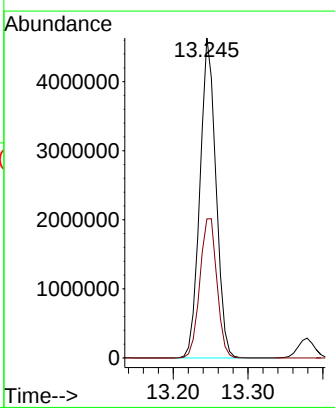
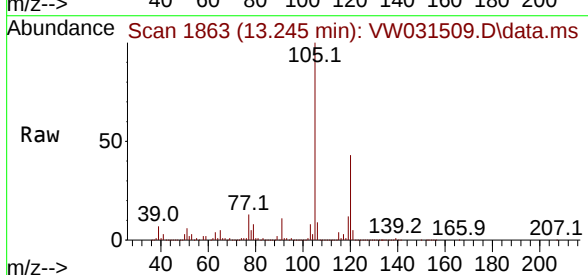
Instrument :
MSVOA_W
ClientSampleId :

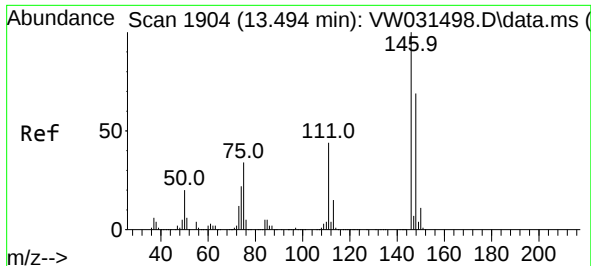
Tgt Ion:105 Resp: 1750784
Ion Ratio Lower Upper
105 100
120 49.7 37.3 55.9



#63
1,2,4-Trimethylbenzene
Concen: 125.263 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Tgt Ion:105 Resp: 6890105
Ion Ratio Lower Upper
105 100
120 46.3 35.0 52.4

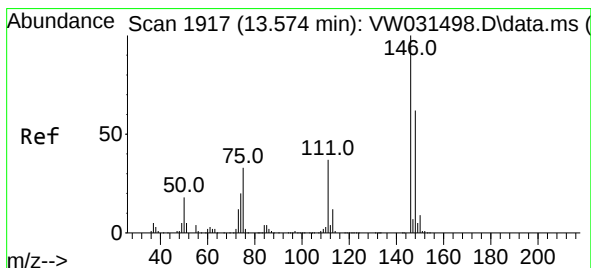
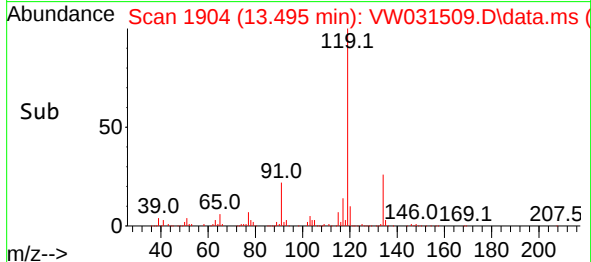
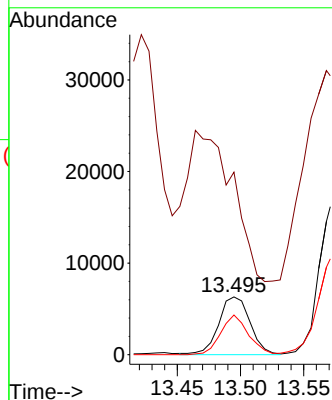
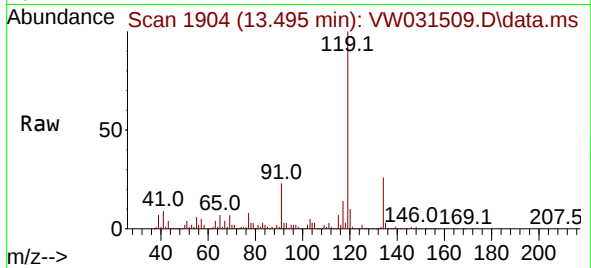




#64
1,3-Dichlorobenzene
Concen: 0.400 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

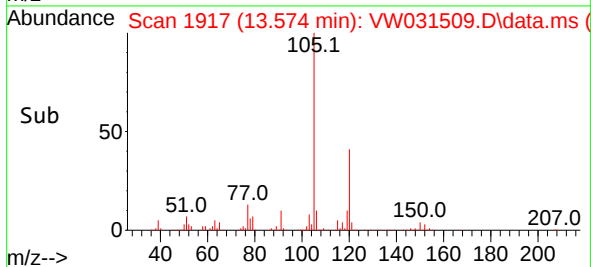
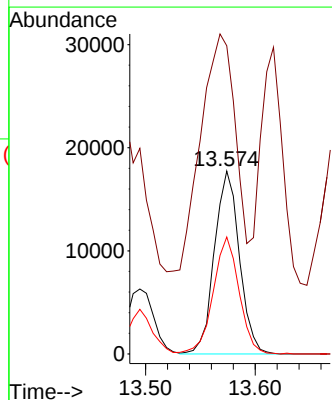
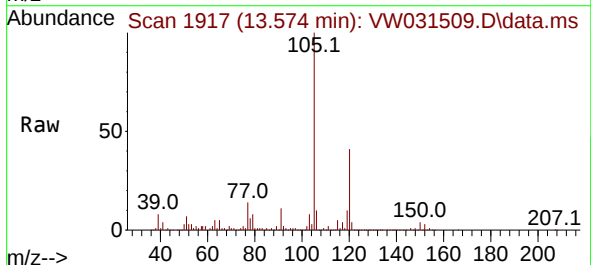
Instrument :
MSVOA_W
ClientSampleId :

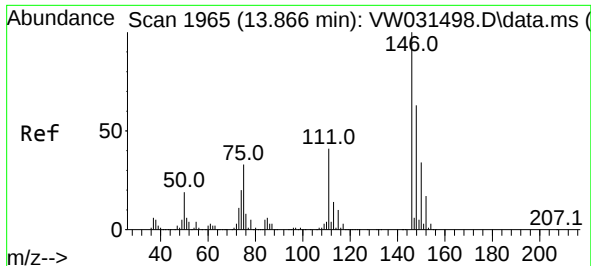
Tgt Ion:146 Resp: 10881
Ion Ratio Lower Upper
146 100
111 316.3 27.6 51.2#
148 68.7 41.0 76.2



#65
1,4-Dichlorobenzene
Concen: 1.044 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031509.D
Acq: 23 Dec 2024 15:59

Tgt Ion:146 Resp: 28137
Ion Ratio Lower Upper
146 100
111 168.5 30.7 56.9#
148 63.9 46.5 86.3





#67

1,2-Dichlorobenzene

Concen: 15.220 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

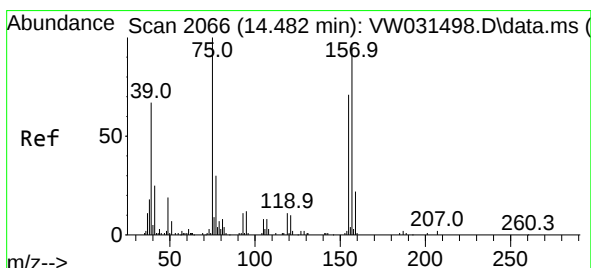
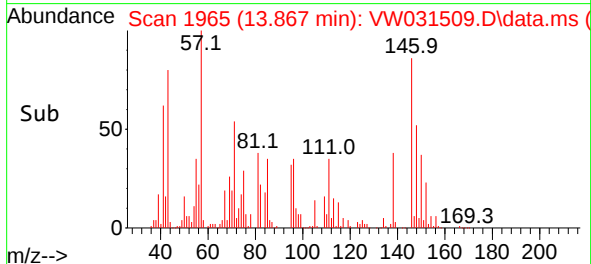
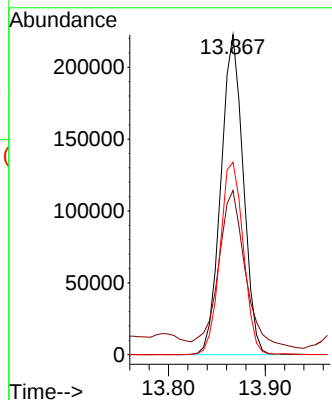
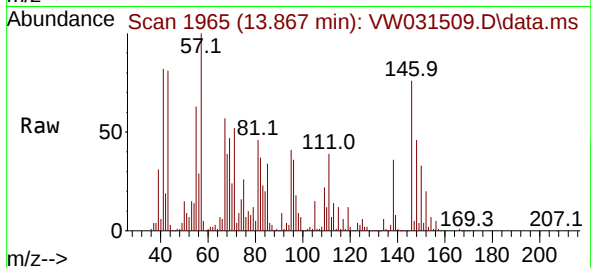
Tgt Ion:146 Resp: 356653

Ion Ratio Lower Upper

146 100

111 51.3 38.6 58.0

148 60.1 53.6 80.4



#68

1,2-Dibromo-3-chloropropane

Concen: 8.534 ug/L

RT: 14.452 min Scan# 2061

Delta R.T. -0.030 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

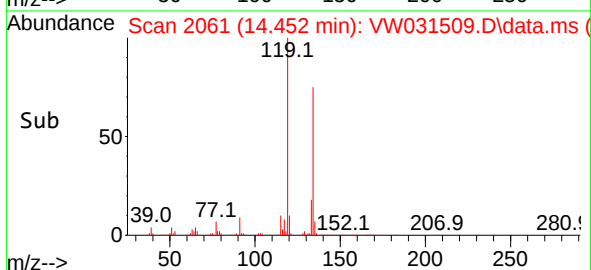
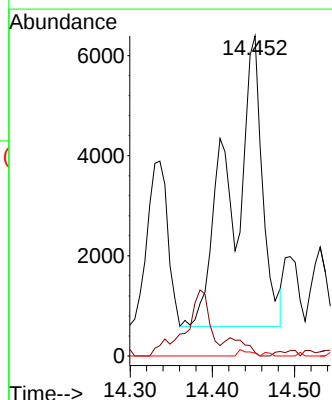
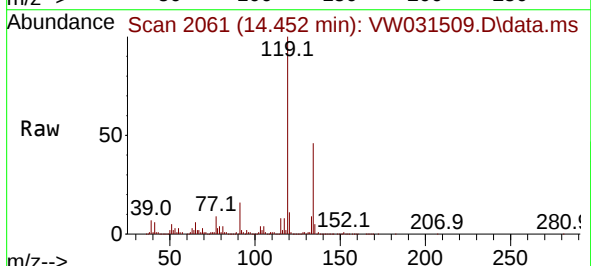
Tgt Ion: 75 Resp: 15201

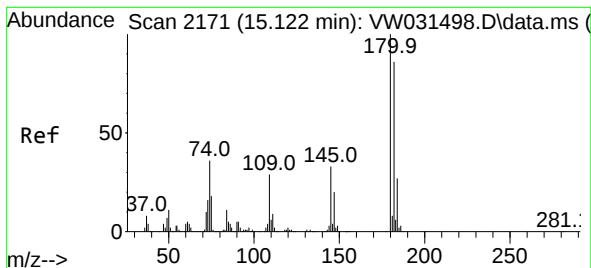
Ion Ratio Lower Upper

75 100

155 1.1 56.6 85.0#

157 0.9 71.2 106.8#





#70

1,2,4-trichlorobenzene

Concen: 2.066 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

Instrument :

MSVOA_W

ClientSampleId :

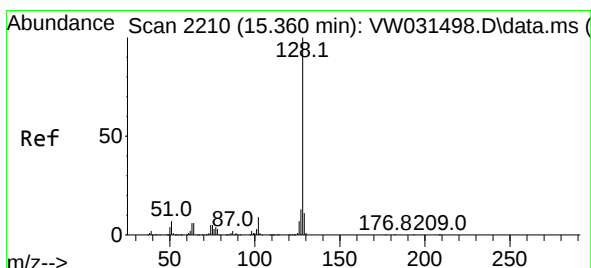
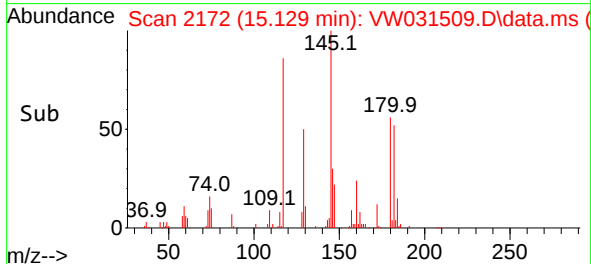
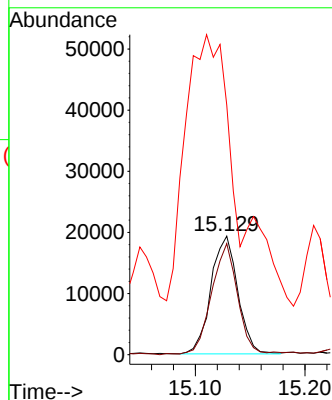
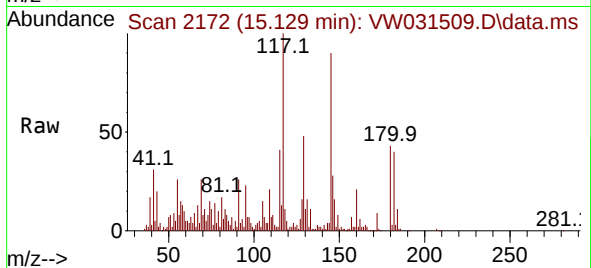
Tgt Ion:180 Resp: 32734

Ion Ratio Lower Upper

180 100

182 90.5 78.2 117.2

145 435.3 26.7 40.1#



#71

Naphthalene

Concen: 113.892 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW031509.D

Acq: 23 Dec 2024 15:59

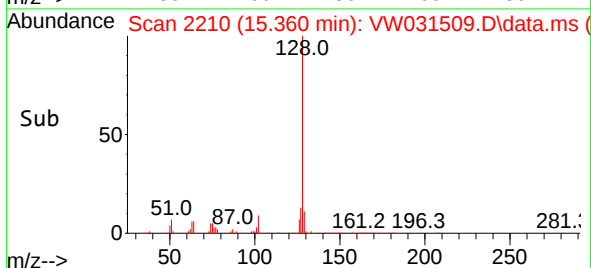
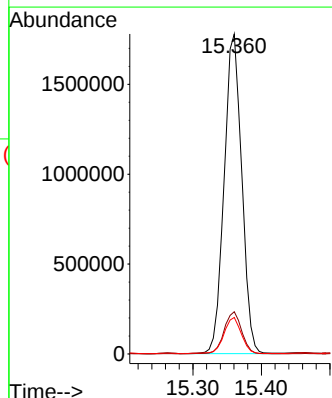
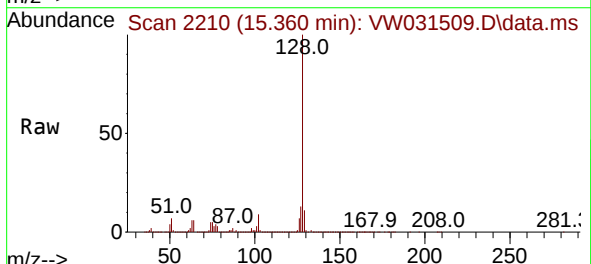
Tgt Ion:128 Resp: 3163742

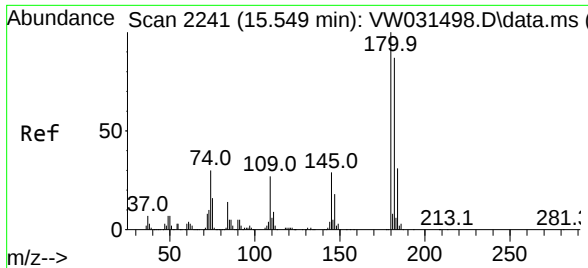
Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

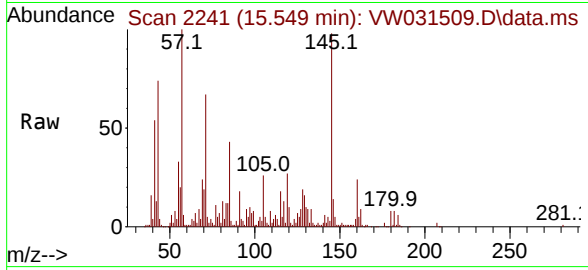
129 11.2 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.332 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW031509.D
 Acq: 23 Dec 2024 15:59

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	180	Resp:	4232
Ion Ratio	Lower	Upper	
180	100		
182	112.3	75.0	112.4
145	2736.7	27.8	41.6#

