

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122624\
 Data File : VW031532.D
 Acq On : 26 Dec 2024 16:36
 Operator : SY/MD
 Sample : P5378-07
 Misc : 5.64g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 27 00:26:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 27 00:21:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	1051787	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	859641	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	339799	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	283328	17.903	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.600%
7) Chloroethane-d5	2.893	69	230373	19.679	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.720%
11) 1,1-Dichloroethene-d2	4.015	65	127194	16.944	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.760%
21) 2-Butanone-d5	7.099	46	108159	36.291	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.580%
24) Chloroform-d	7.648	84	518898	18.006	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.040%
26) 1,2-Dichloroethane-d4	8.563	65	85	0.006	ug/L	0.26
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.040%#
32) Benzene-d6	8.276	84	1070016	19.420	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.680%
36) 1,2-Dichloropropane-d6	9.270	67	317083	19.746	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.000%
41) Toluene-d8	10.318	98	938137	18.302	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	10.574	79	120736	16.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.240%
47) 2-Hexanone-d5	10.922	63	89200	41.305	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.620%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	203912	20.225	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.880%
66) 1,2-Dichlorobenzene-d4	13.848	152	229361	18.182	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.720%#
Target Compounds						
					Qvalue	
13) Acetone	4.179	43	40632	9.790	ug/L #	100
34) Trichloroethene	9.087	95	17456	1.164	ug/L	91
42) Toluene	10.385	91	44531	0.770	ug/L	96
45) 1,1,2-Trichloroethane	10.757	97	4419	0.501	ug/L #	27
52) Ethylbenzene	11.727	91	371462	5.541	ug/L	95
53) m,p-Xylene	11.830	106	585887	22.959	ug/L	97
54) o-Xylene	12.160	106	359359	14.942	ug/L	93
55) Styrene	12.166	104	23660	0.591	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.690	83	17654	1.858	ug/L #	64
60) Isopropylbenzene	12.861	105	1119697	20.136	ug/L	91
62) 1,3,5-Trimethylbenzene	12.940	105	1186432	25.166	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	4983351	109.366	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	126035	5.594	ug/L #	85
65) 1,4-Dichlorobenzene	13.574	146	456905	20.468	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	291884	15.036	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.488	75	2217	1.502	ug/L #	12
69) 1,3,5-Trichlorobenzene	14.623	180	21578	1.368	ug/L #	64
70) 1,2,4-trichlorobenzene	15.122	180	263803	20.098	ug/L #	64
71) Naphthalene	15.354	128	2881935	125.238	ug/L	99

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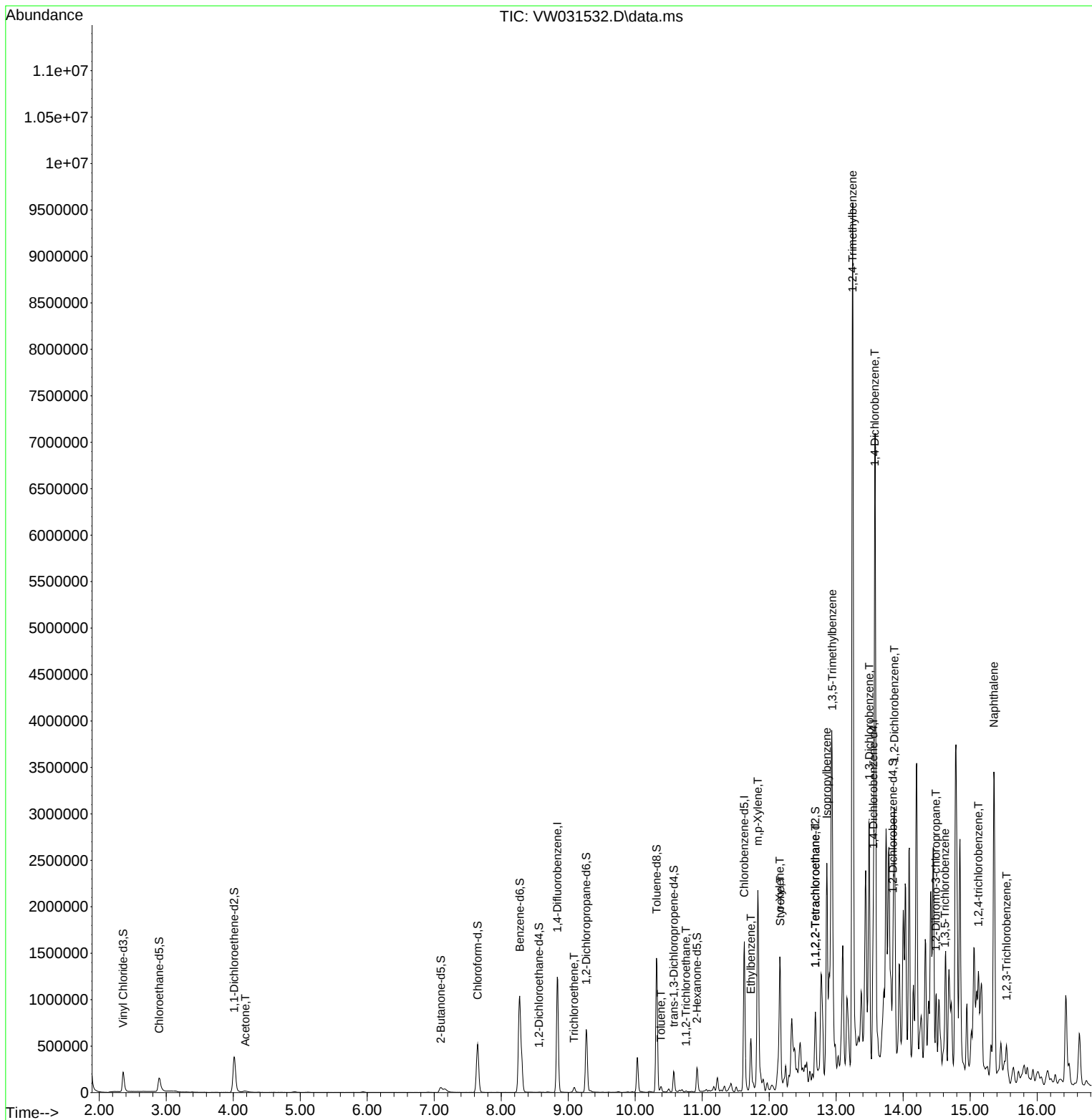
Instrument :
MSVOA_W
ClientSampleId :

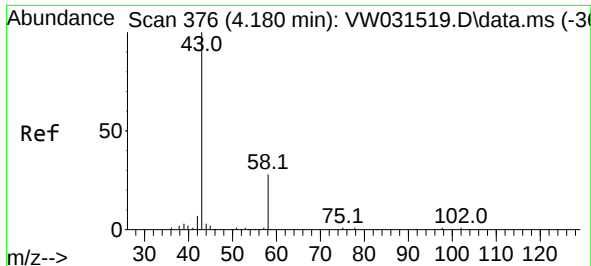
Quant Time: Dec 27 00:26:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 27 00:21:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.543	180	26520	2.508	ug/L	# 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
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#13

Acetone

Concen: 9.790 ug/L

RT: 4.179 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

Instrument :

MSVOA_W

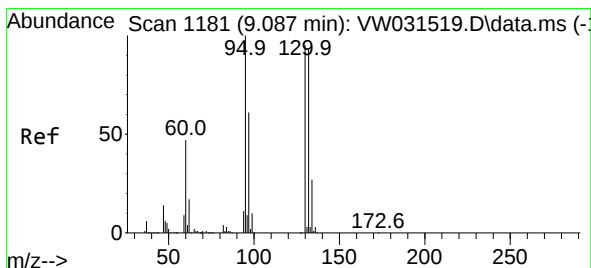
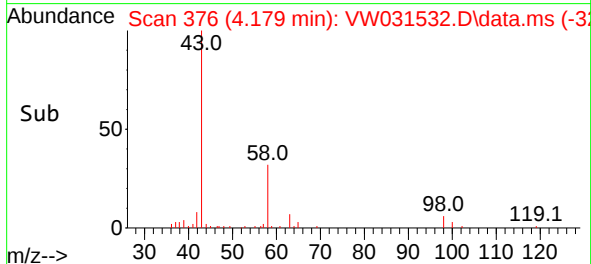
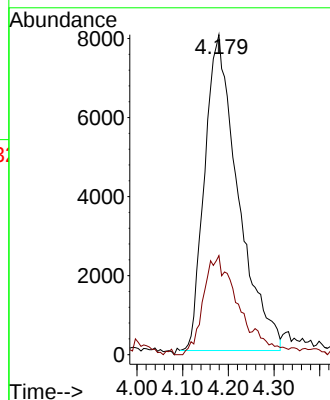
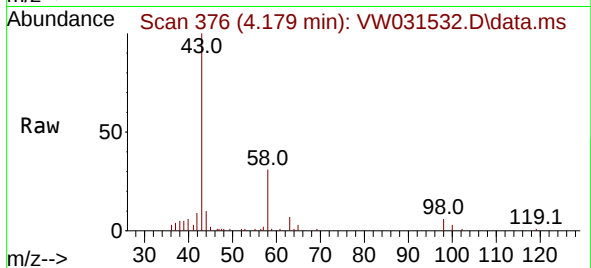
ClientSampleId :

Tgt Ion: 43 Resp: 40632

Ion Ratio Lower Upper

43 100

58 10.7 0.0 0.0#



#34

Trichloroethene

Concen: 1.164 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

Tgt Ion: 95 Resp: 17456

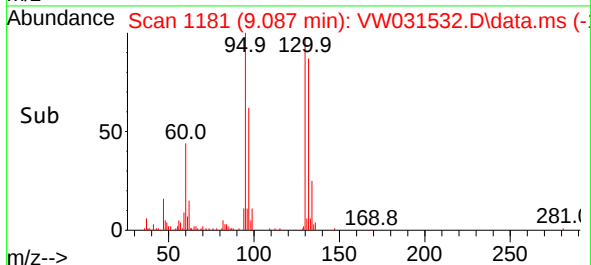
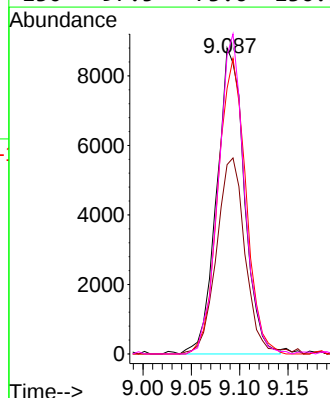
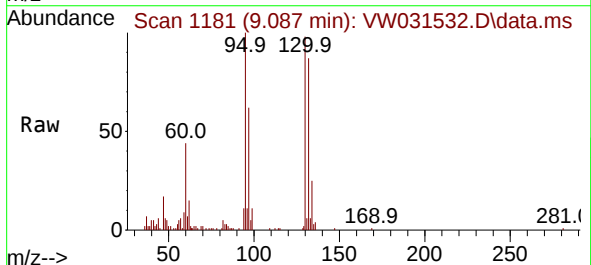
Ion Ratio Lower Upper

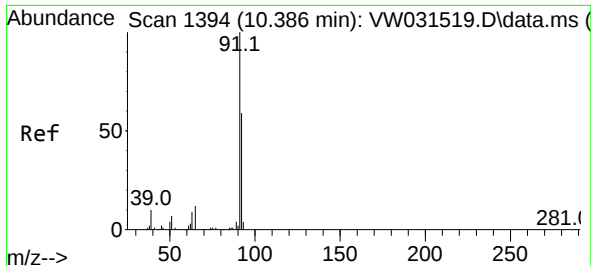
95 100

97 61.8 46.5 86.3

132 86.7 70.3 130.5

130 97.5 73.6 136.8

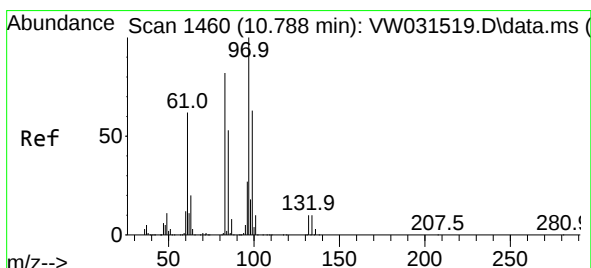
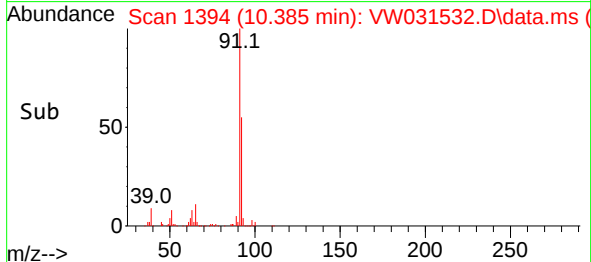
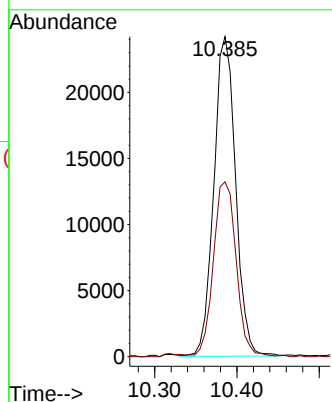
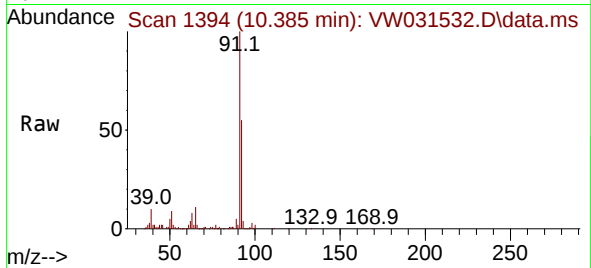




#42
Toluene
Concen: 0.770 ug/L
RT: 10.385 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

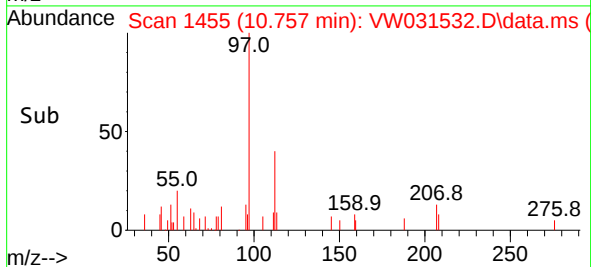
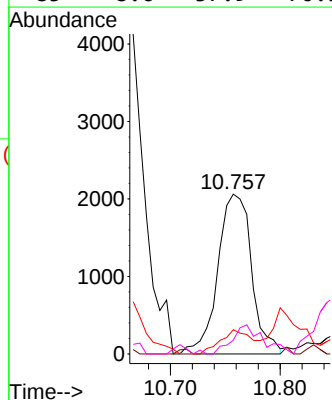
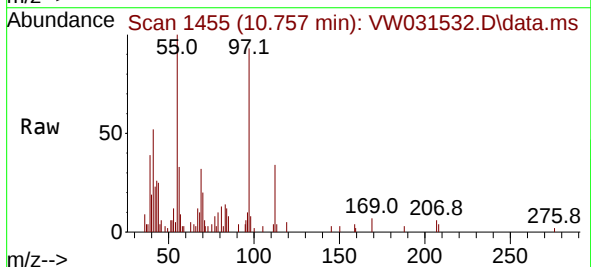
Instrument :
MSVOA_W
ClientSampleId :

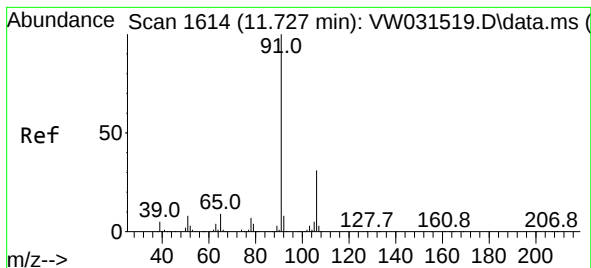
Tgt Ion: 91 Resp: 44531
Ion Ratio Lower Upper
91 100
92 54.6 40.3 74.9



#45
1,1,2-Trichloroethane
Concen: 0.501 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.031 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Tgt Ion: 97 Resp: 4419
Ion Ratio Lower Upper
97 100
99 0.0 43.0 80.0#
83 15.2 56.4 104.7#
85 8.6 37.9 70.3#

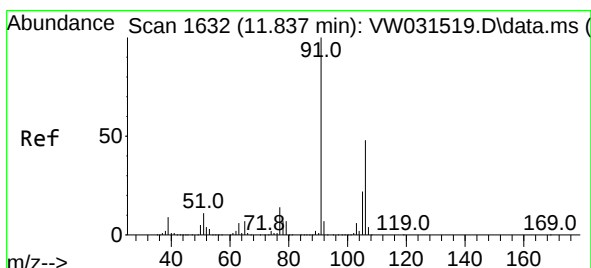
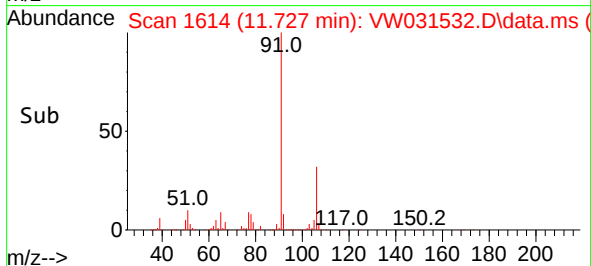
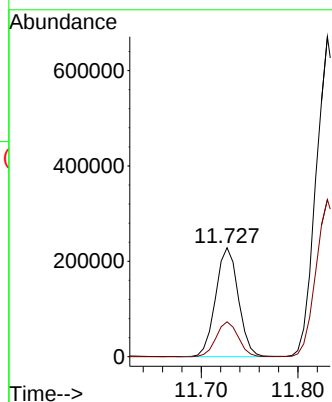
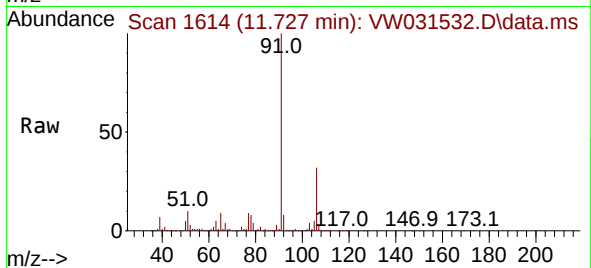




#52
Ethylbenzene
Concen: 5.541 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

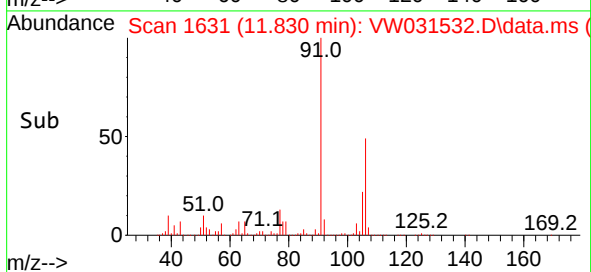
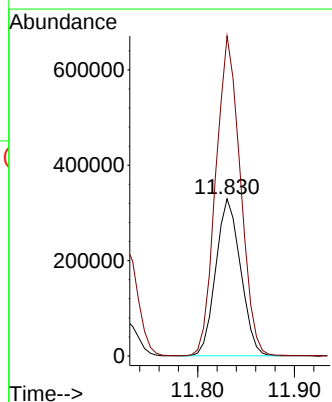
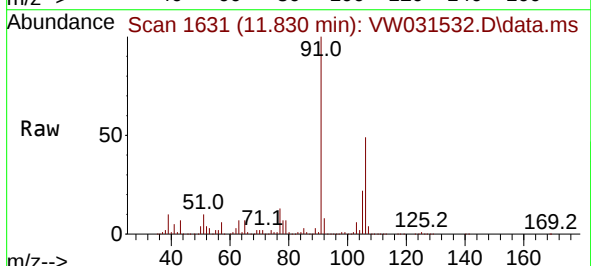
Instrument :
MSVOA_W
ClientSampleId :

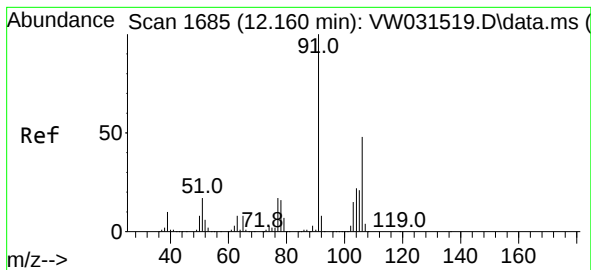
Tgt Ion: 91 Resp: 371462
Ion Ratio Lower Upper
91 100
106 32.1 20.7 38.5



#53
m,p-Xylene
Concen: 22.959 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Tgt Ion:106 Resp: 585887
Ion Ratio Lower Upper
106 100
91 203.6 139.9 259.7

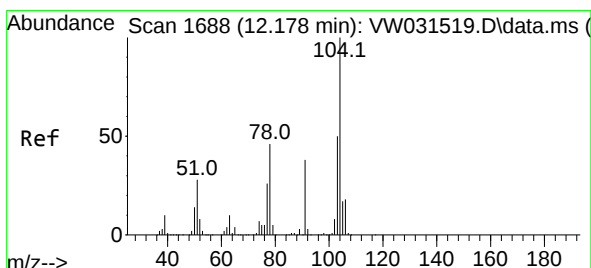
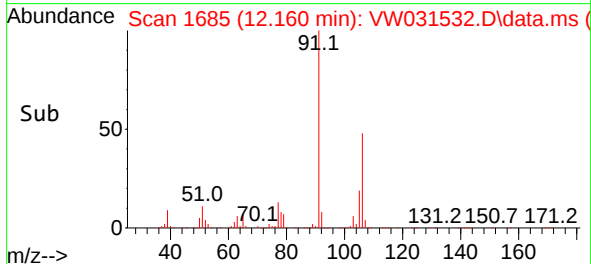
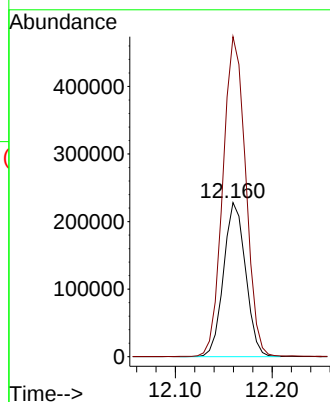
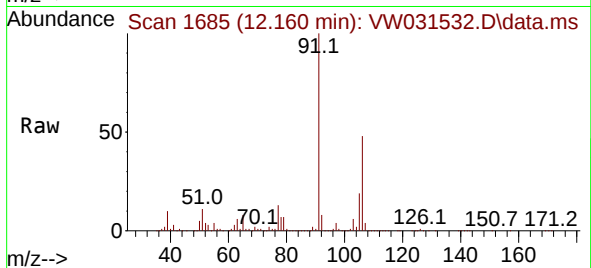




#54
o-Xylene
Concen: 14.942 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

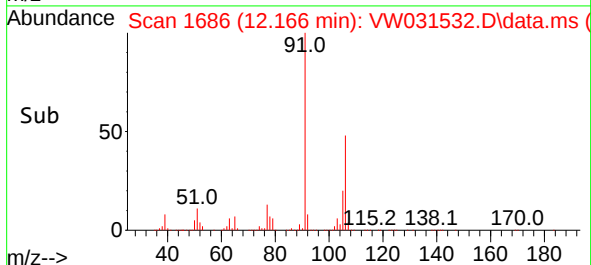
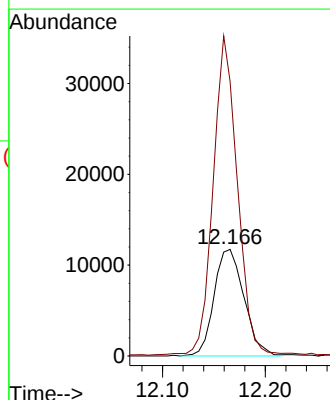
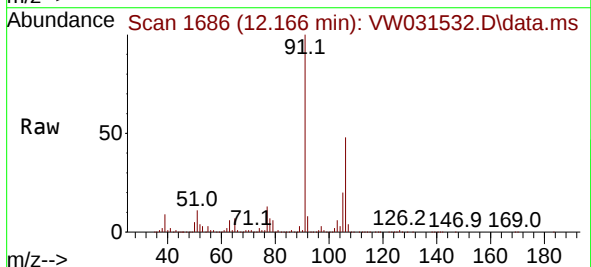
Instrument :
MSVOA_W
ClientSampleId :

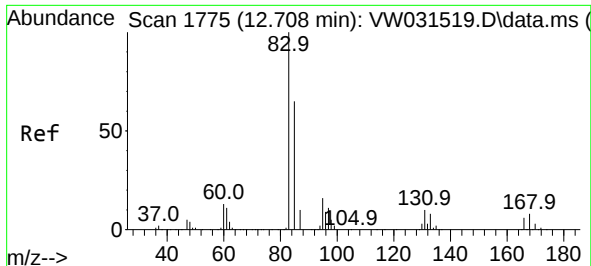
Tgt Ion:106 Resp: 359359
Ion Ratio Lower Upper
106 100
91 207.7 153.1 284.3



#55
Styrene
Concen: 0.591 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.012 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Tgt Ion:104 Resp: 23660
Ion Ratio Lower Upper
104 100
78 257.2 31.4 58.4#





#57

1,1,2,2-Tetrachloroethane

Concen: 1.858 ug/L

RT: 12.690 min Scan# 1

Delta R.T. -0.019 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

Instrument :

MSVOA_W

ClientSampleId :

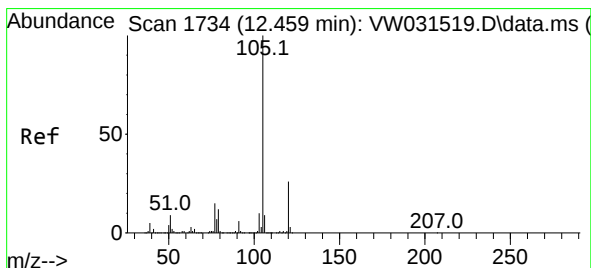
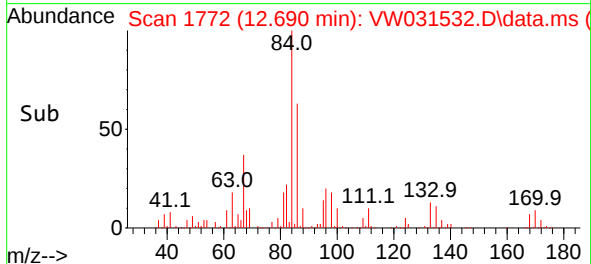
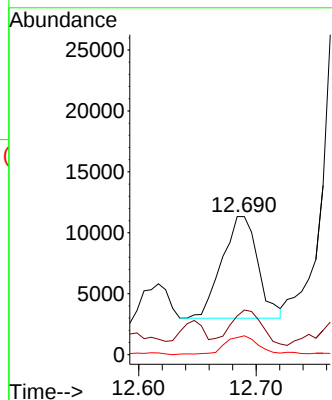
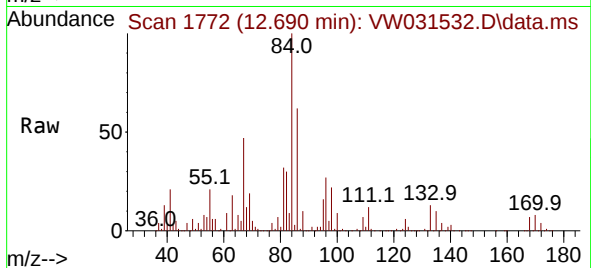
Tgt Ion: 83 Resp: 17654

Ion Ratio Lower Upper

83 100

85 32.3 44.1 81.9#

131 13.7 7.9 11.9#



#60

Isopropylbenzene

Concen: 20.136 ug/L

RT: 12.861 min Scan# 1800

Delta R.T. 0.402 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

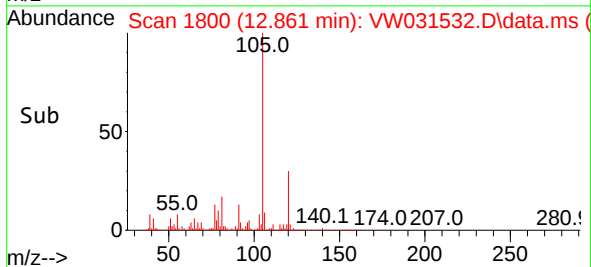
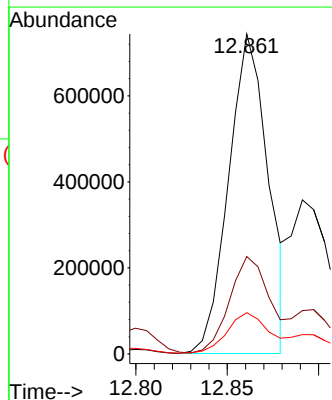
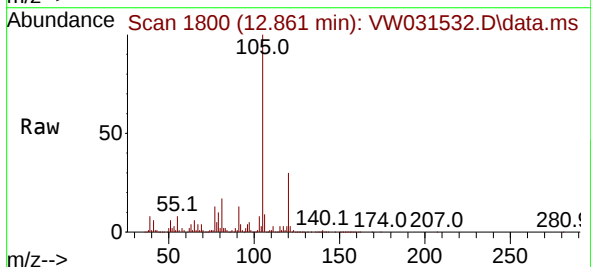
Tgt Ion:105 Resp: 1119697

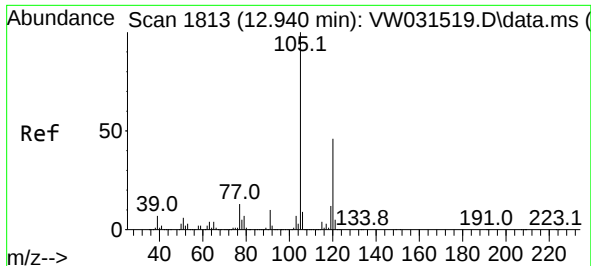
Ion Ratio Lower Upper

105 100

120 30.7 20.6 31.0

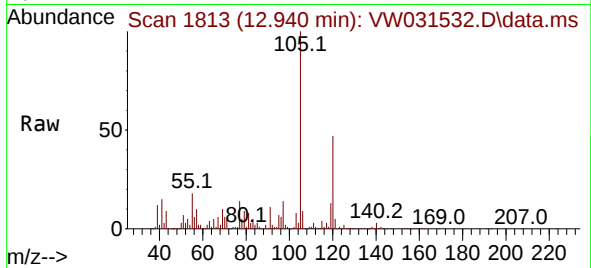
77 13.0 12.8 19.2



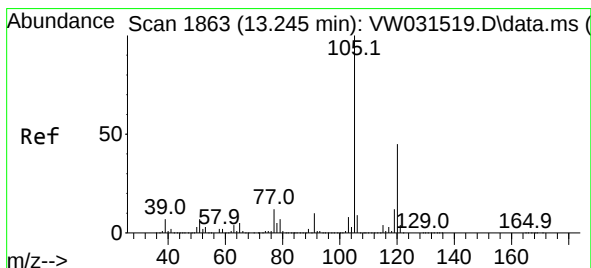
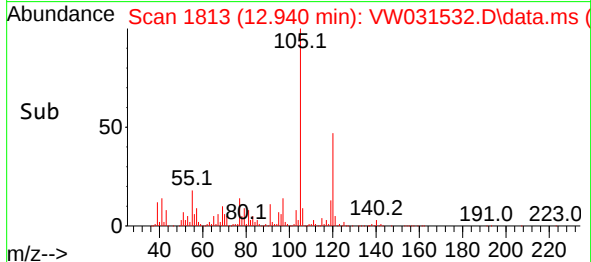
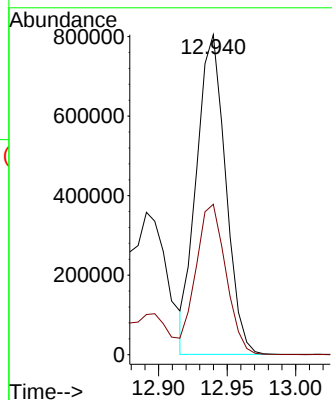


#62
1,3,5-Trimethylbenzene
Concen: 25.166 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Instrument :
MSVOA_W
ClientSampleId :

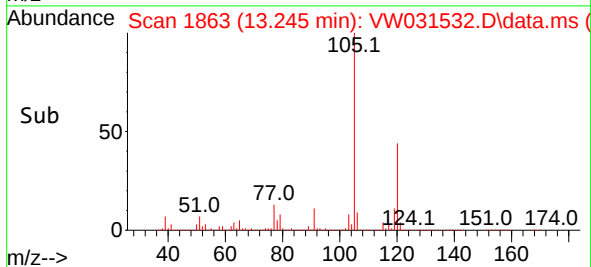
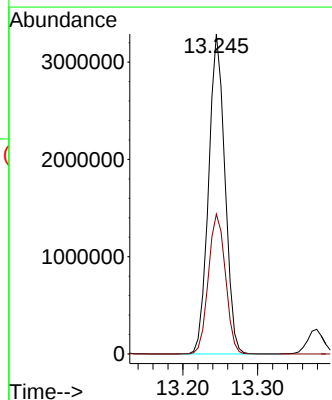
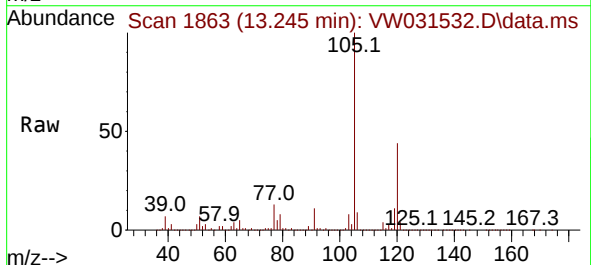


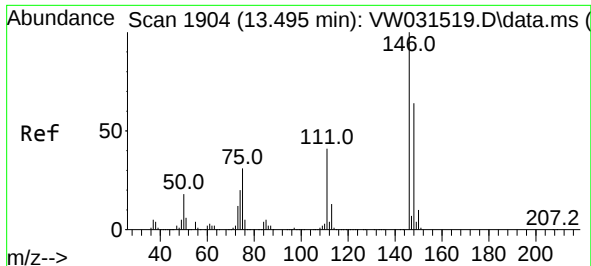
Tgt Ion:105 Resp: 1186432
Ion Ratio Lower Upper
105 100
120 48.4 37.3 55.9



#63
1,2,4-Trimethylbenzene
Concen: 109.366 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Tgt Ion:105 Resp: 4983351
Ion Ratio Lower Upper
105 100
120 45.6 35.0 52.4

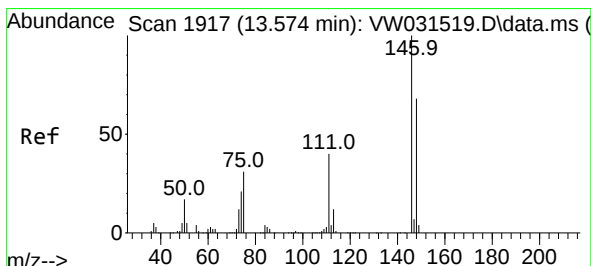
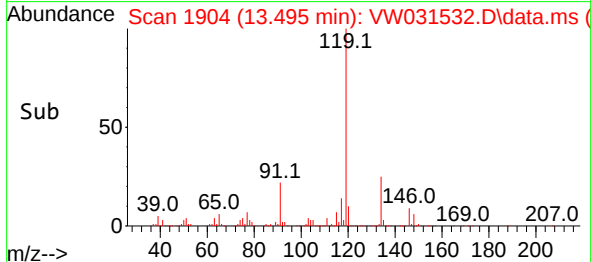
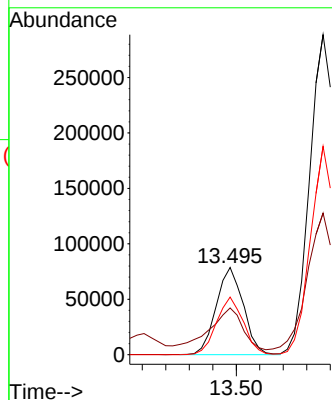
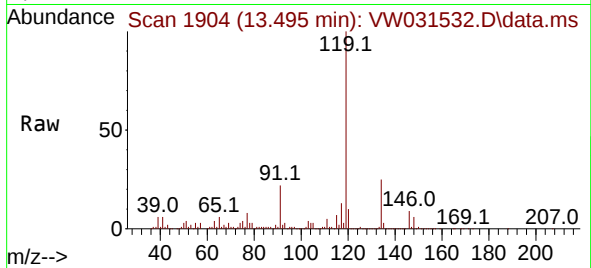




#64
1,3-Dichlorobenzene
Concen: 5.594 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

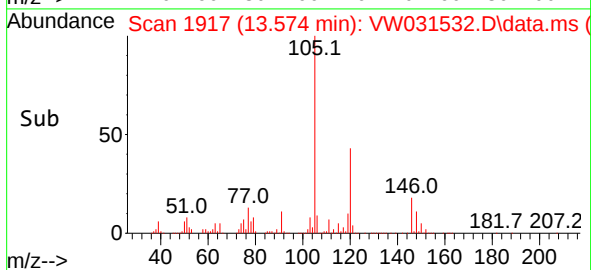
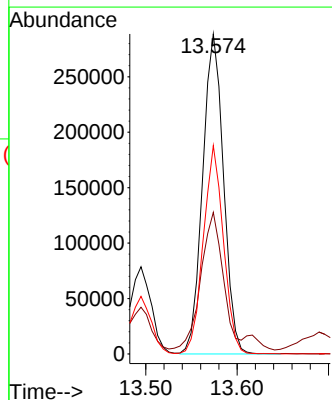
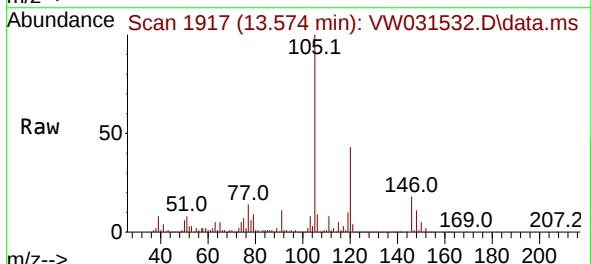
Instrument :
MSVOA_W
ClientSampleId :

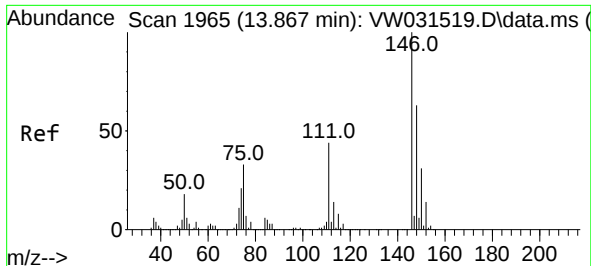
Tgt Ion:146 Resp: 126035
Ion Ratio Lower Upper
146 100
111 53.6 27.6 51.2#
148 66.1 41.0 76.2



#65
1,4-Dichlorobenzene
Concen: 20.468 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Tgt Ion:146 Resp: 456905
Ion Ratio Lower Upper
146 100
111 44.2 30.7 56.9
148 65.1 46.5 86.3





#67

1,2-Dichlorobenzene

Concen: 15.036 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

Instrument :

MSVOA_W

ClientSampleId :

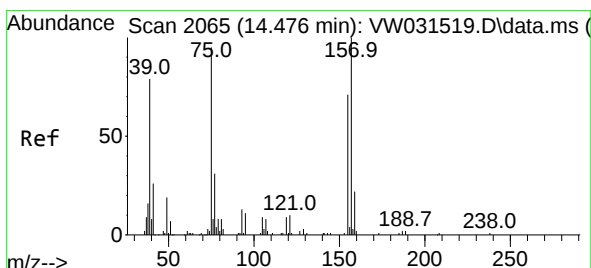
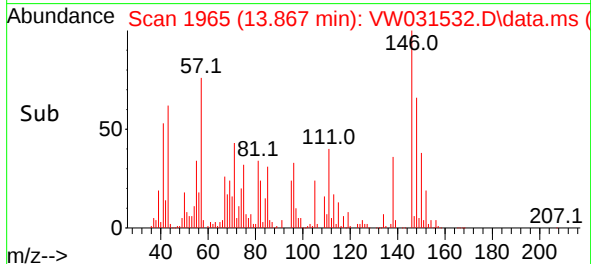
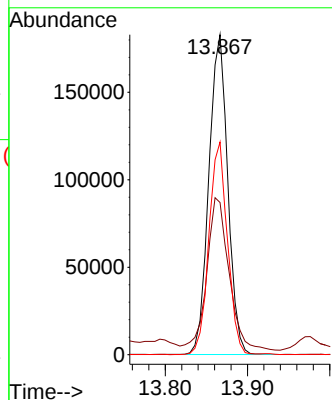
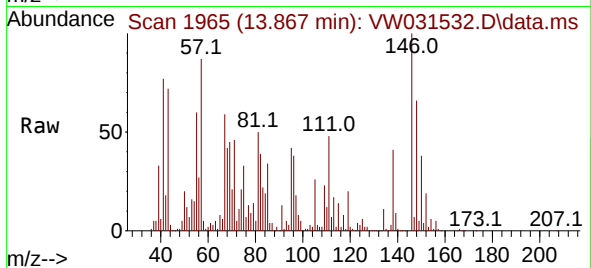
Tgt Ion:146 Resp: 291884

Ion Ratio Lower Upper

146 100

111 47.5 38.6 58.0

148 66.4 53.6 80.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.502 ug/L

RT: 14.488 min Scan# 2067

Delta R.T. 0.012 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

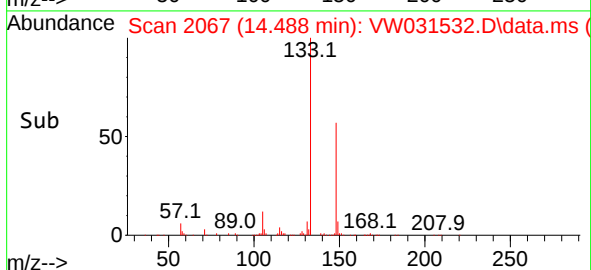
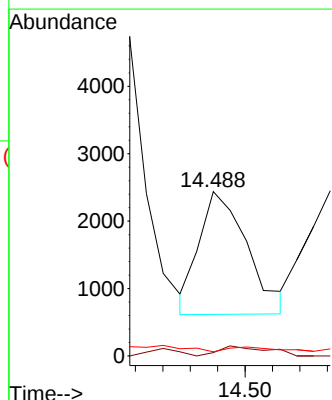
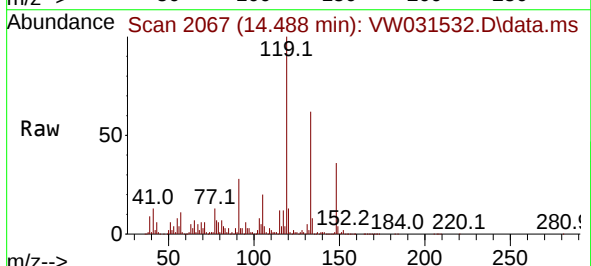
Tgt Ion: 75 Resp: 2217

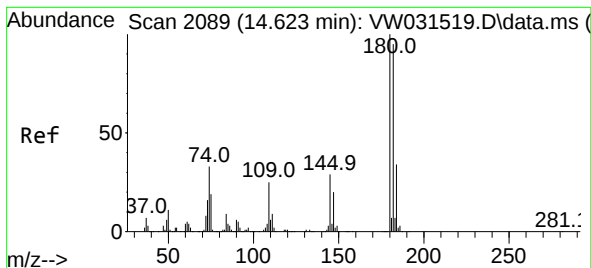
Ion Ratio Lower Upper

75 100

155 2.1 56.6 85.0#

157 2.5 71.2 106.8#





#69

1,3,5-Trichlorobenzene

Concen: 1.368 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

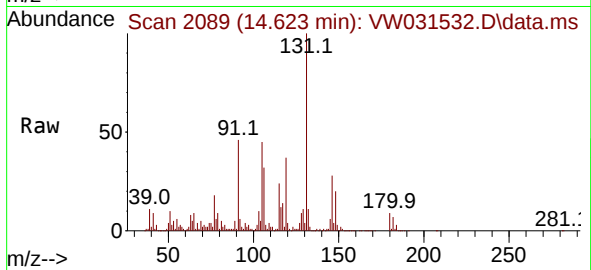
Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 21578

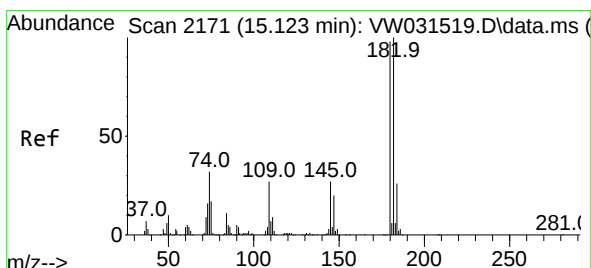
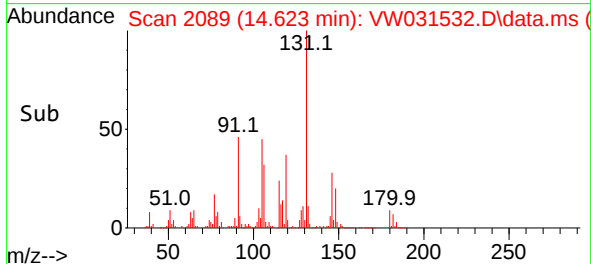
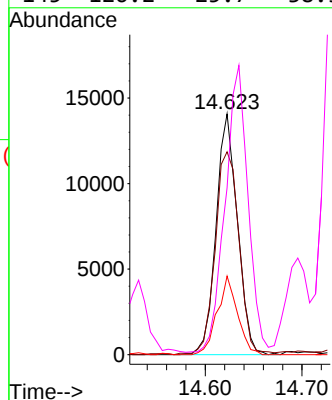
Ion Ratio Lower Upper

180 100

182 91.6 75.0 112.4

184 30.9 24.6 36.8

145 126.2 25.7 38.5#



#70

1,2,4-trichlorobenzene

Concen: 20.098 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW031532.D

Acq: 26 Dec 2024 16:36

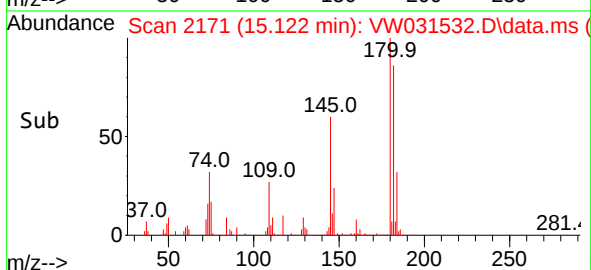
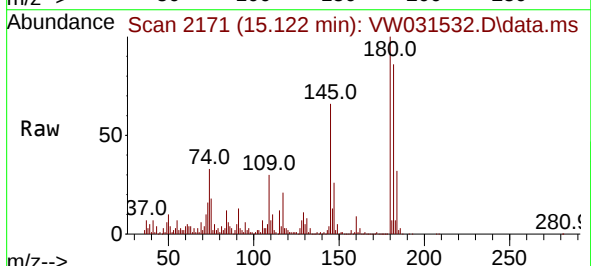
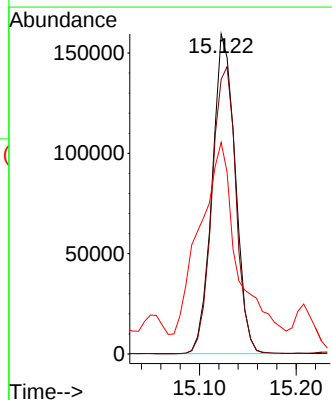
Tgt Ion:180 Resp: 263803

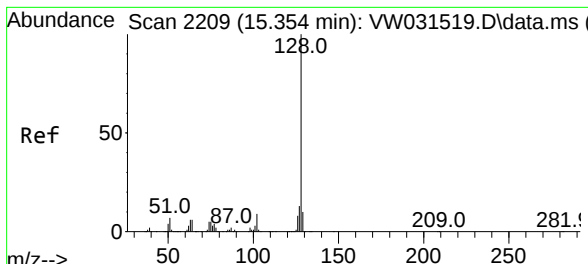
Ion Ratio Lower Upper

180 100

182 93.8 78.2 117.2

145 106.7 26.7 40.1#



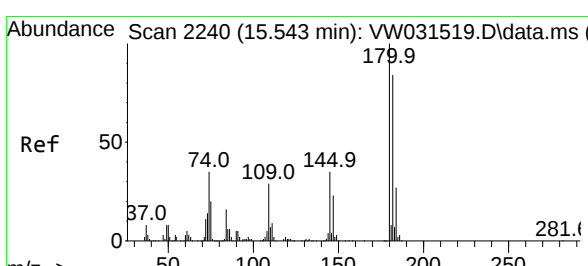
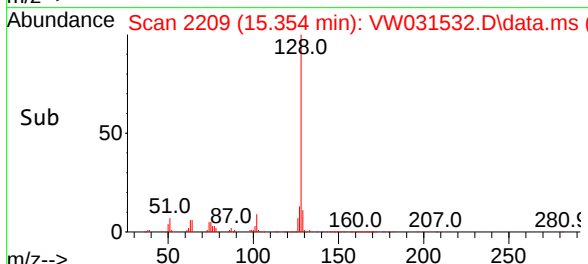
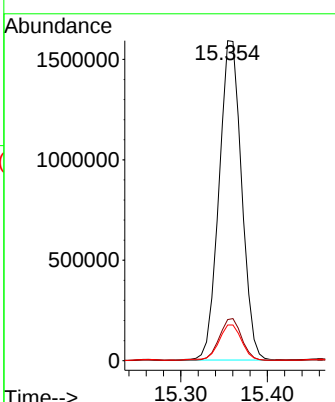
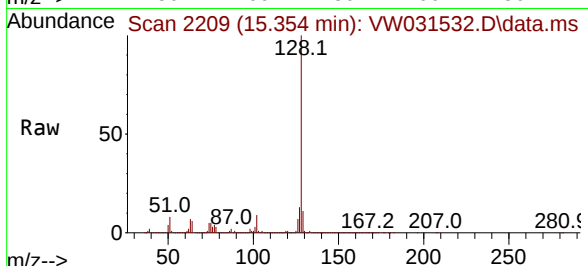


#71
Naphthalene
Concen: 125.238 ug/L
RT: 15.354 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 2881935

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.1	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.508 ug/L
RT: 15.543 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VW031532.D
Acq: 26 Dec 2024 16:36

Tgt Ion:180 Resp: 26520

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.0	112.4
145	562.4	27.8	41.6#

