

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091024\
 Data File : VW030126.D
 Acq On : 10 Sep 2024 12:40
 Operator : SY/MD
 Sample : P3900-01
 Misc : 6.31g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 11 01:36:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 11 01:35:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	123826	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	103797	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	33650	25.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	31430	17.057	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.240%
7) Chloroethane-d5	2.899	69	22042	16.854	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.400%
11) 1,1-Dichloroethene-d2	4.009	65	14242	18.090	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.360%
21) 2-Butanone-d5	7.081	46	22630	61.608	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.220%
24) Chloroform-d	7.648	84	66572	19.936	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.760%
26) 1,2-Dichloroethane-d4	8.307	65	38549	22.735	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.960%
32) Benzene-d6	8.276	84	126260	20.608	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.440%
36) 1,2-Dichloropropane-d6	9.270	67	41005	22.844	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.360%
41) Toluene-d8	10.325	98	107192	19.222	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.880%
43) trans-1,3-Dichloroprop...	10.575	79	16074	21.769	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.080%
47) 2-Hexanone-d5	10.922	63	19458	70.826	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.660%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	40125	30.360	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.440%#
66) 1,2-Dichlorobenzene-d4	13.848	152	21186	17.406	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	69.640%#
Target Compounds						
					Qvalue	
13) Acetone	4.119	43	33494	99.692	ug/L	100
22) 2-Butanone	7.185	43	1754	3.648	ug/L	# 61
29) Cyclohexane	7.929	56	3171	1.265	ug/L	# 27
30) 1,1,1-Trichloroethane	7.874	97	4571	1.880	ug/L	100
33) Benzene	8.325	78	4229	0.636	ug/L	100
34) Trichloroethene	9.087	95	3804	2.124	ug/L	97
35) Methylcyclohexane	9.337	83	22680	7.733	ug/L	# 80
39) cis-1,3-Dichloropropene	10.032	75	1221	0.471	ug/L	# 72
40) 4-Methyl-2-pentanone	10.209	43	171512	204.599	ug/L	95
42) Toluene	10.386	91	227245	32.087	ug/L	99
45) 1,1,2-Trichloroethane	10.758	97	8316	6.737	ug/L	# 25
46) Tetrachloroethene	10.861	164	4061	2.988	ug/L	95
48) 2-Hexanone	10.934	43	695786	1167.558	ug/L	# 35
51) Chlorobenzene	11.654	112	2278	0.503	ug/L	# 58
52) Ethylbenzene	11.727	91	309675	38.591	ug/L	95
53) m,p-Xylene	11.831	106	483671	161.512	ug/L	98
54) o-Xylene	12.160	106	418955	145.761	ug/L	98
55) Styrene	12.160	104	21364	4.436	ug/L	# 1
57) 1,1,2,2-Tetrachloroethane	12.696	83	3748	2.696	ug/L	# 1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091024\
Data File : VW030126.D
Acq On : 10 Sep 2024 12:40
Operator : SY/MD
Sample : P3900-01
Misc : 6.31g/10mL/MSVOA_W/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 11 01:36:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Sep 11 01:35:57 2024
Response via : Initial Calibration

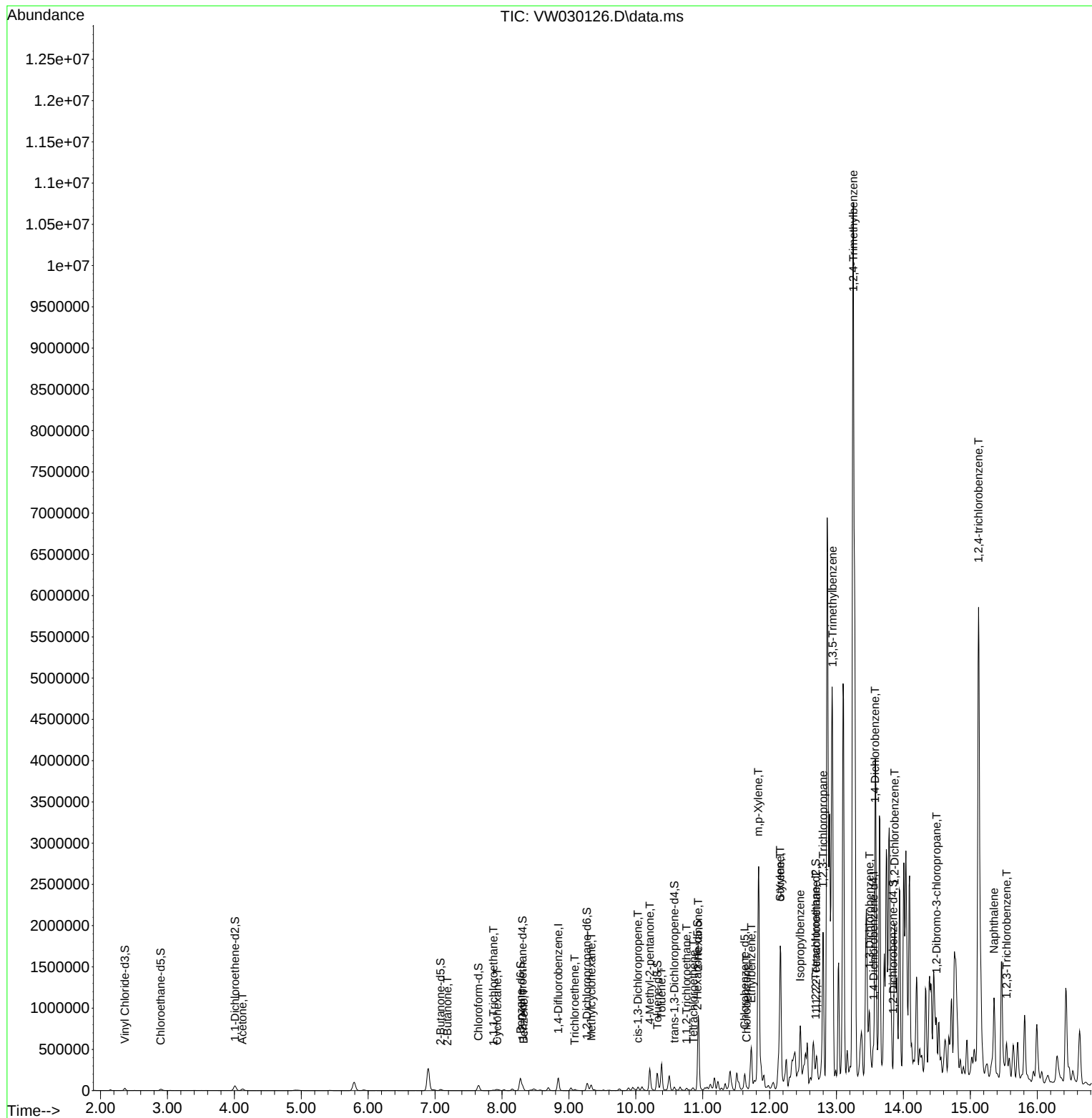
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.458	105	432673	80.594	ug/L	98
61) 1,2,3-Trichloropropane	12.800	75	9034	13.204	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.940	105	1913010	479.241	ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	5604513	1332.057	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	722	0.315	ug/L #	1
65) 1,4-Dichlorobenzene	13.574	146	1947	0.842	ug/L #	1
67) 1,2-Dichlorobenzene	13.867	146	3798	1.855	ug/L #	3
68) 1,2-Dibromo-3-chloropr...	14.495	75	1606	10.965	ug/L #	6
70) 1,2,4-trichlorobenzene	15.123	180	4999	3.865	ug/L #	1
71) Naphthalene	15.354	128	607116	245.847	ug/L	98
72) 1,2,3-Trichlorobenzene	15.543	180	1731	1.525	ug/L #	81

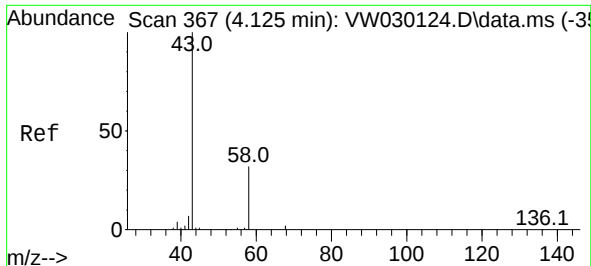
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091024\
Data File : VW030126.D
Acq On : 10 Sep 2024 12:40
Operator : SY/MD
Sample : P3900-01
Misc : 6.31g/10mL/MSVOA_W/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 11 01:36:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Sep 11 01:35:57 2024
Response via : Initial Calibration





#13

Acetone

Concen: 99.692 ug/L

RT: 4.119 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

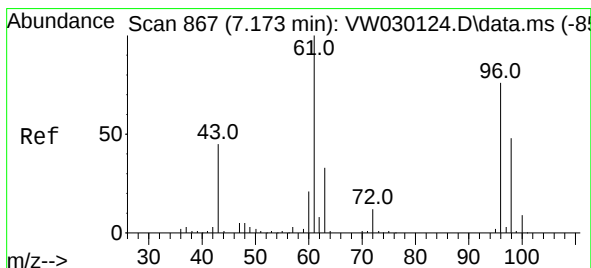
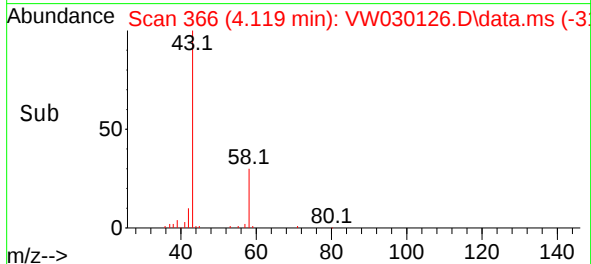
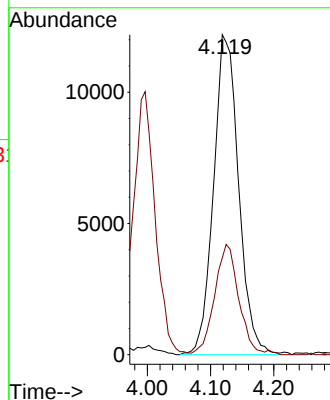
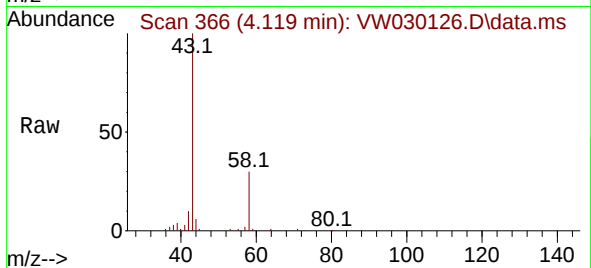
ClientSampleId :

Tgt Ion: 43 Resp: 33494

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.4



#22

2-Butanone

Concen: 3.648 ug/L

RT: 7.185 min Scan# 869

Delta R.T. 0.012 min

Lab File: VW030126.D

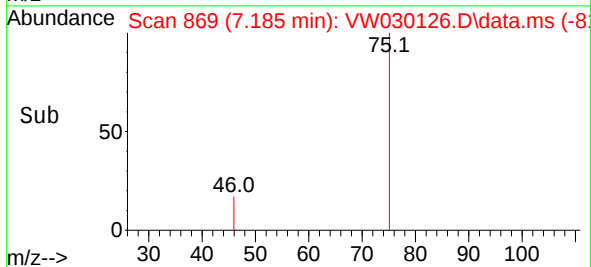
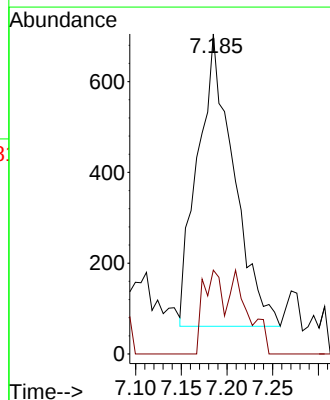
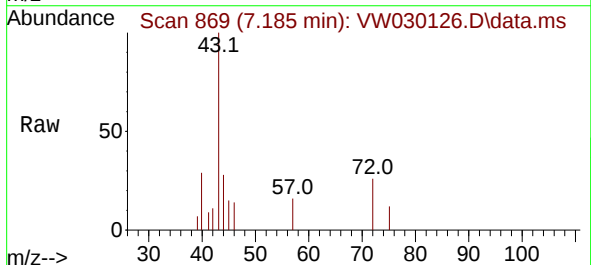
Acq: 10 Sep 2024 12:40

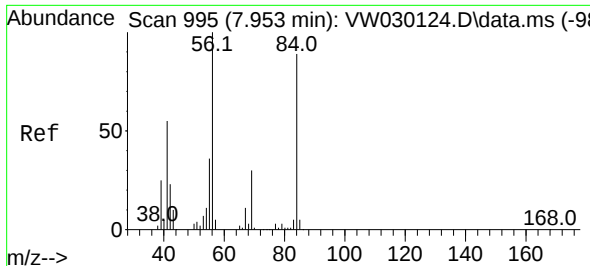
Tgt Ion: 43 Resp: 1754

Ion Ratio Lower Upper

43 100

72 9.1 15.0 45.1#





#29

Cyclohexane

Concen: 1.265 ug/L

RT: 7.929 min Scan# 991

Delta R.T. -0.024 min

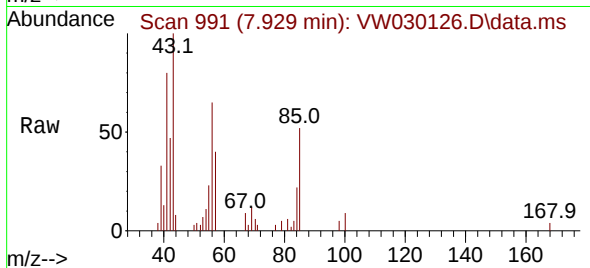
Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

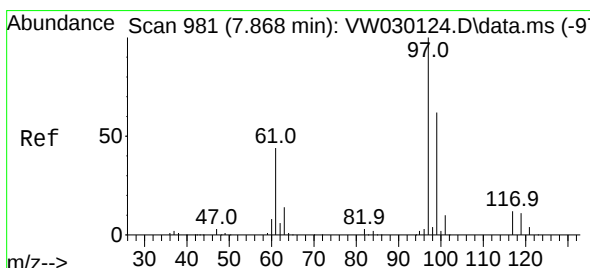
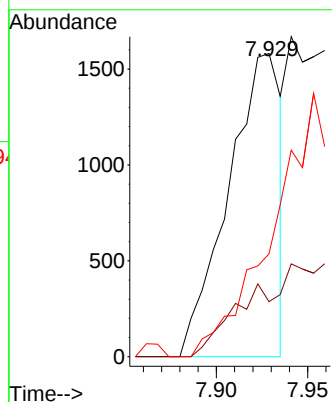
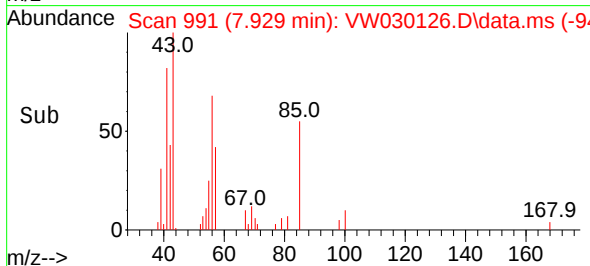
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	3171
Ion Ratio	Lower	Upper	
56	100		
69	18.0	24.4	36.6#
84	1.5	68.1	102.1#



#30

1,1,1-Trichloroethane

Concen: 1.880 ug/L

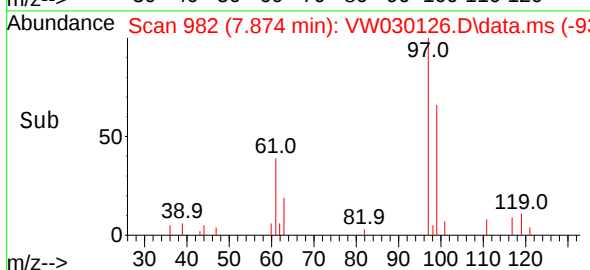
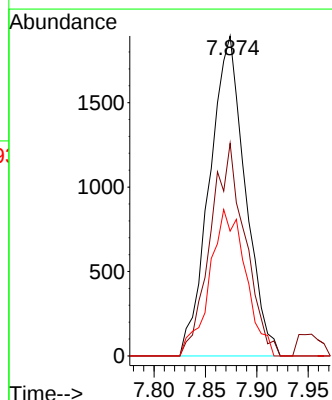
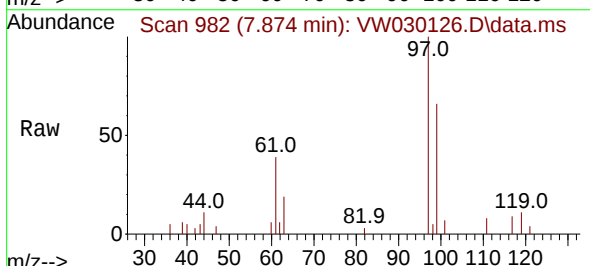
RT: 7.874 min Scan# 982

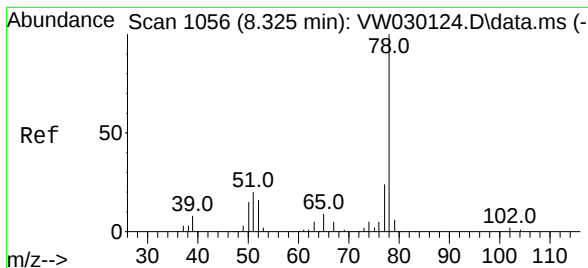
Delta R.T. 0.006 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Tgt Ion:	97	Resp:	4571
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.7	77.5
61	46.2	37.2	55.8





#33

Benzene

Concen: 0.636 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW030126.D

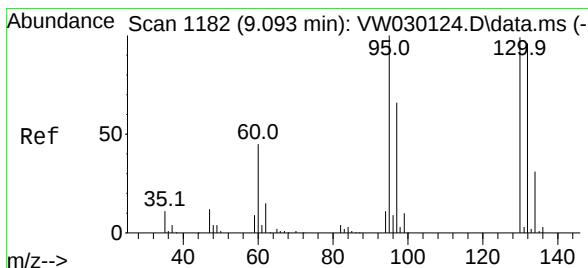
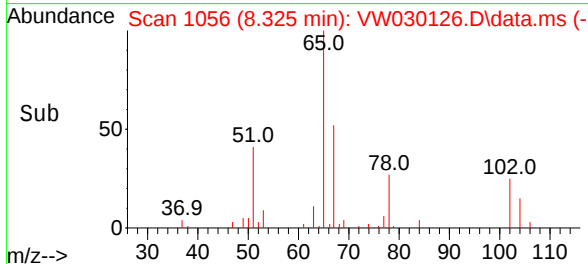
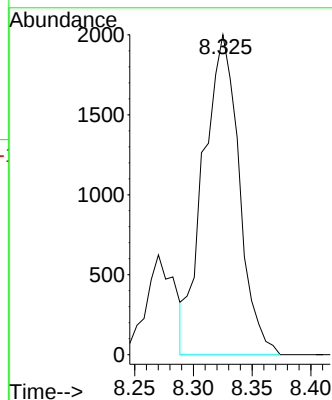
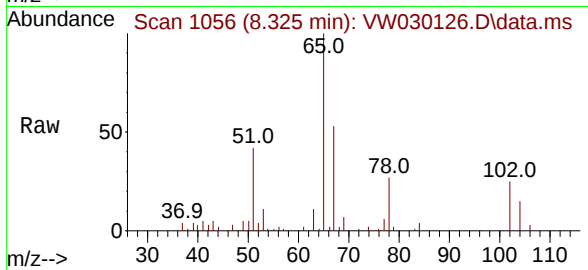
Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 4229



#34

Trichloroethene

Concen: 2.124 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Tgt Ion: 95 Resp: 3804

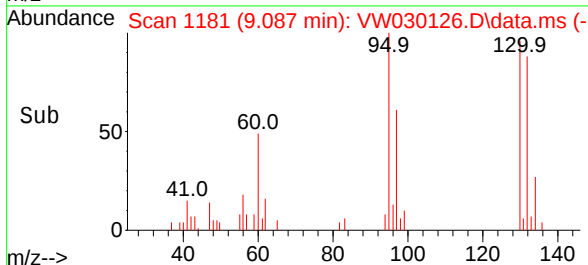
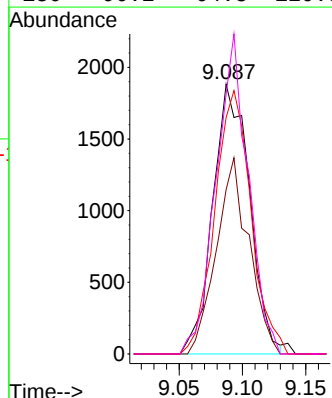
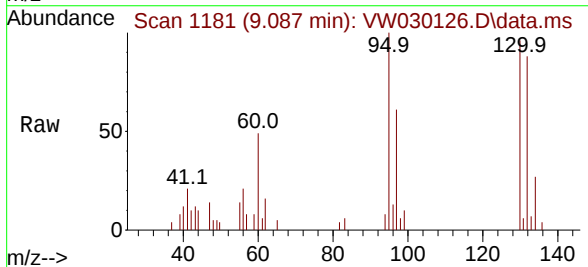
Ion Ratio Lower Upper

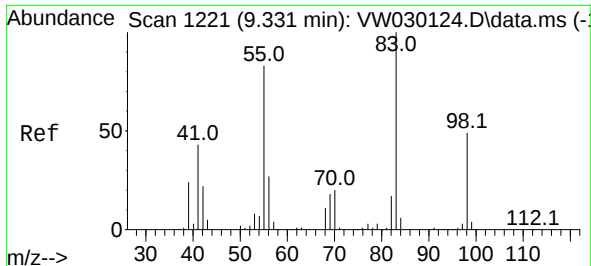
95 100

97 60.9 43.3 80.5

132 87.6 63.6 118.0

130 96.2 64.8 120.3





#35

Methylcyclohexane

Concen: 7.733 ug/L

RT: 9.337 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :

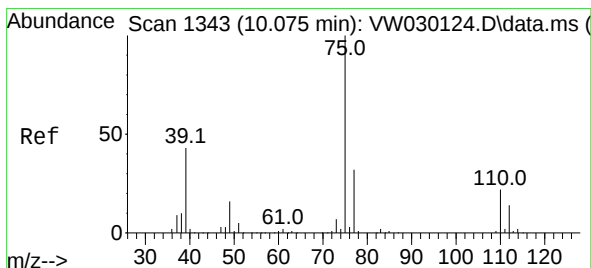
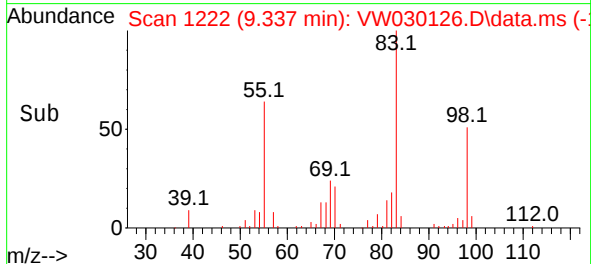
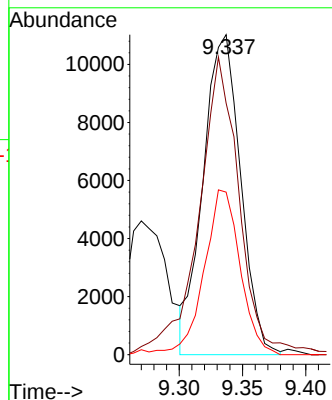
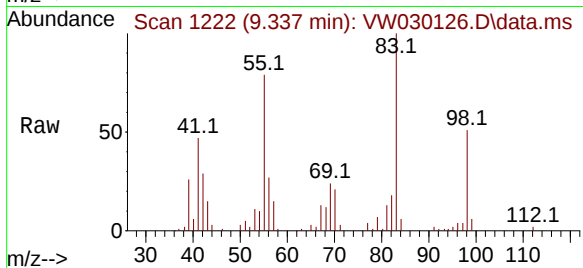
Tgt Ion: 83 Resp: 22680

Ion Ratio Lower Upper

83 100

55 100.6 59.0 88.6#

98 49.5 38.2 57.4



#39

cis-1,3-Dichloropropene

Concen: 0.471 ug/L

RT: 10.032 min Scan# 1336

Delta R.T. -0.043 min

Lab File: VW030126.D

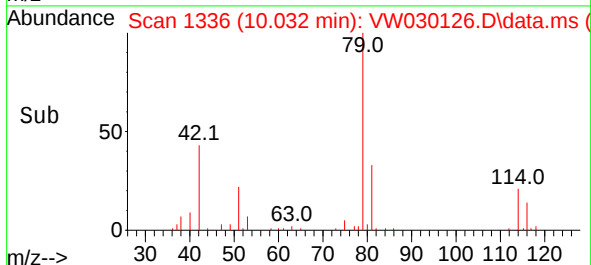
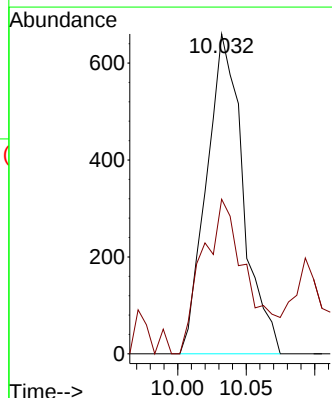
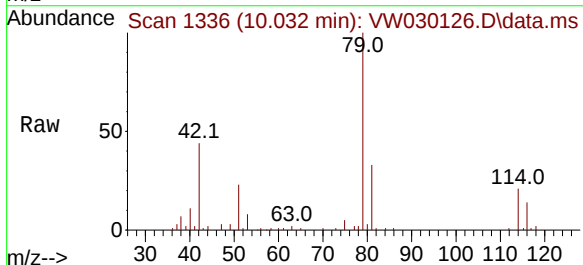
Acq: 10 Sep 2024 12:40

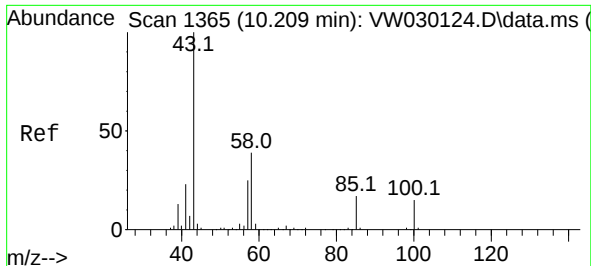
Tgt Ion: 75 Resp: 1221

Ion Ratio Lower Upper

75 100

77 48.3 22.8 42.4#





#40

4-Methyl-2-pentanone

Concen: 204.599 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :

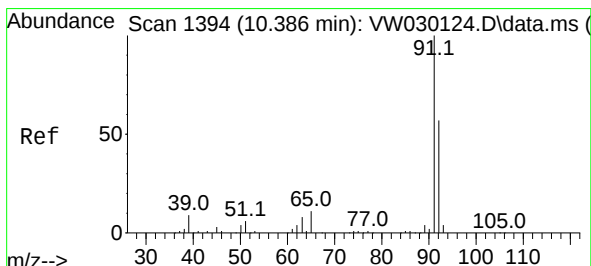
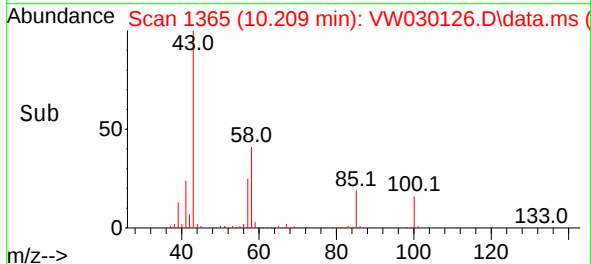
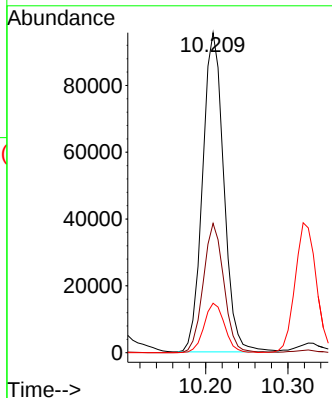
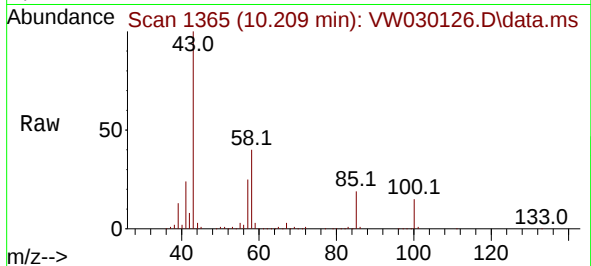
Tgt Ion: 43 Resp: 171512

Ion Ratio Lower Upper

43 100

58 39.4 34.0 51.0

100 15.0 13.5 20.3



#42

Toluene

Concen: 32.087 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW030126.D

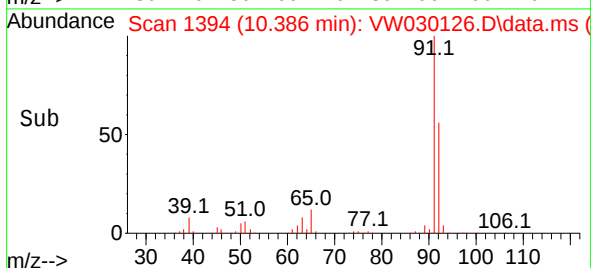
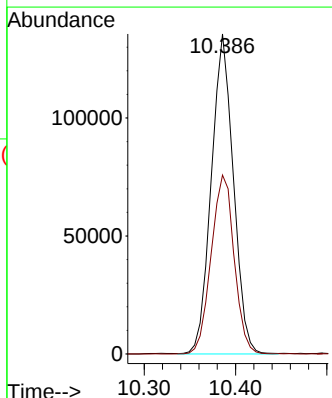
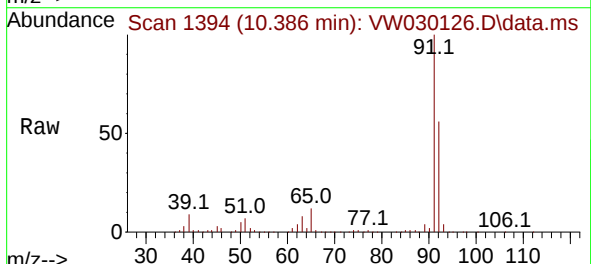
Acq: 10 Sep 2024 12:40

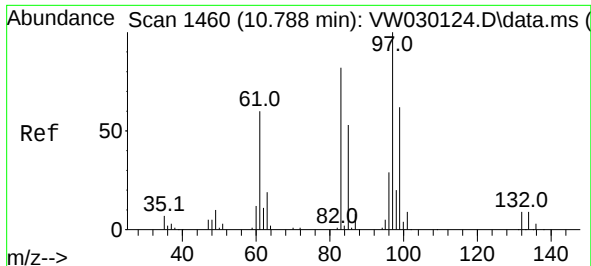
Tgt Ion: 91 Resp: 227245

Ion Ratio Lower Upper

91 100

92 55.9 39.5 73.4





#45

1,1,2-Trichloroethane

Concen: 6.737 ug/L

RT: 10.758 min Scan# 1455

Delta R.T. -0.030 min

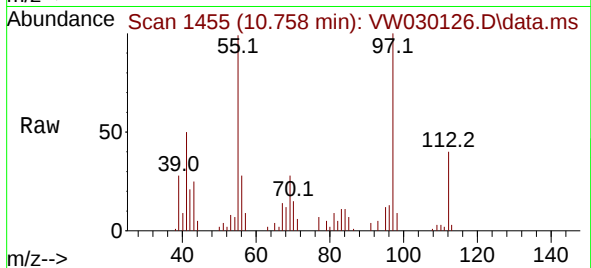
Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 8316

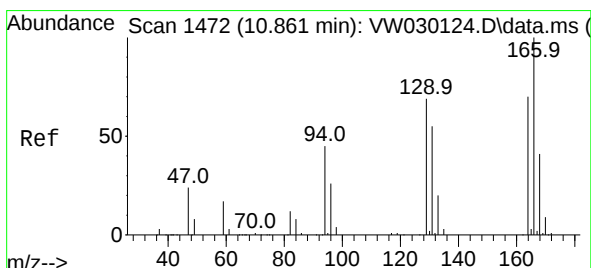
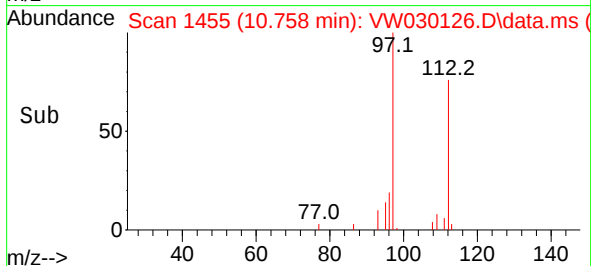
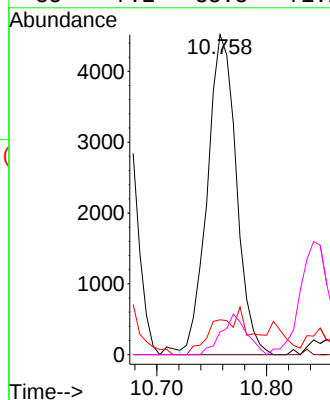
Ion Ratio Lower Upper

97 100

99 0.0 40.3 74.8#

83 10.9 58.0 107.6#

85 7.1 38.3 71.1#



#46

Tetrachloroethene

Concen: 2.988 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Tgt Ion:164 Resp: 4061

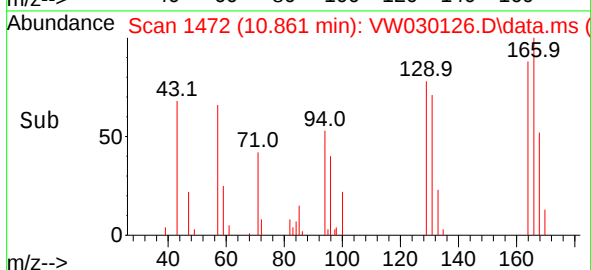
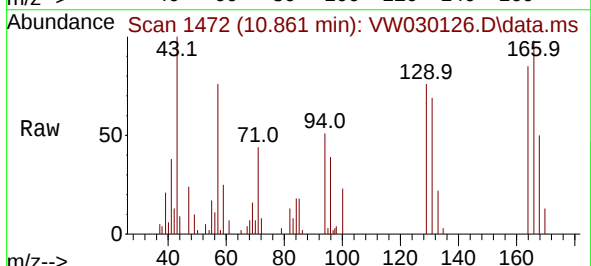
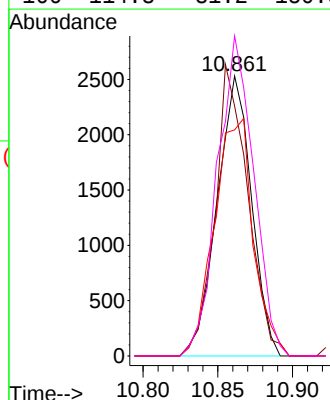
Ion Ratio Lower Upper

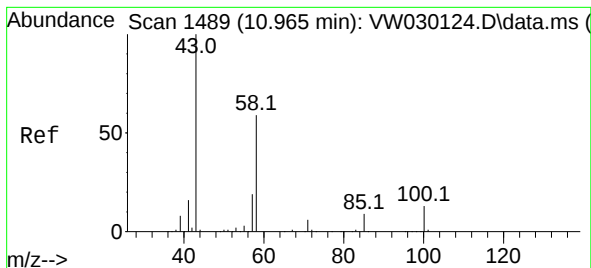
164 100

129 89.3 66.1 122.7

131 80.7 62.6 116.2

166 114.3 81.2 150.8





#48

2-Hexanone

Concen: 1167.558 ug/L

RT: 10.934 min Scan# 1484

Delta R.T. -0.030 min

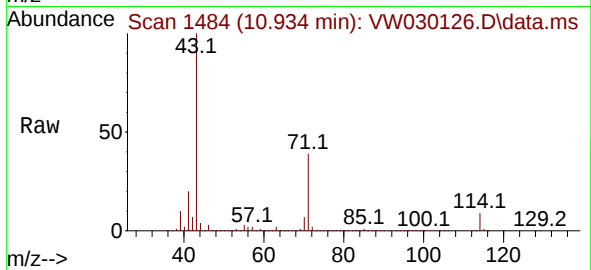
Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 695786

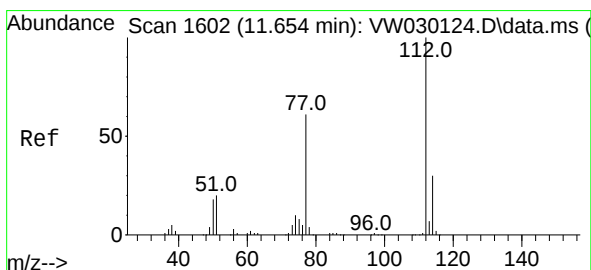
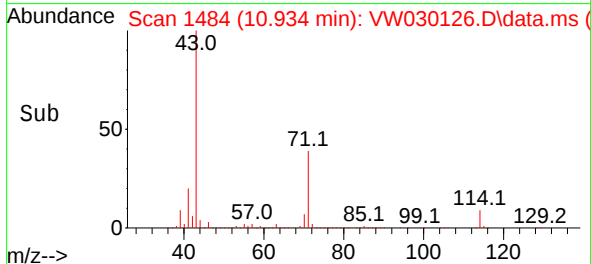
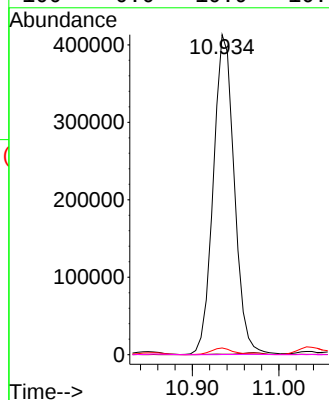
Ion Ratio Lower Upper

43 100

58 0.2 50.0 75.0#

57 2.3 17.3 25.9#

100 0.0 10.9 16.3#



#51

Chlorobenzene

Concen: 0.503 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

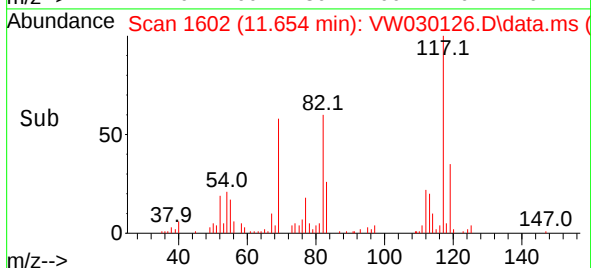
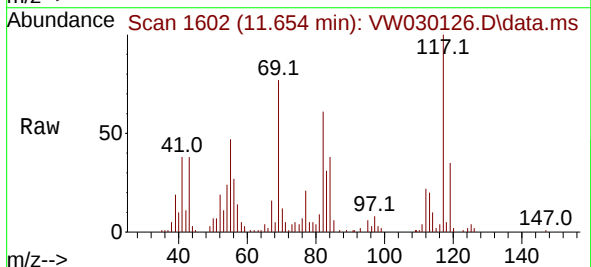
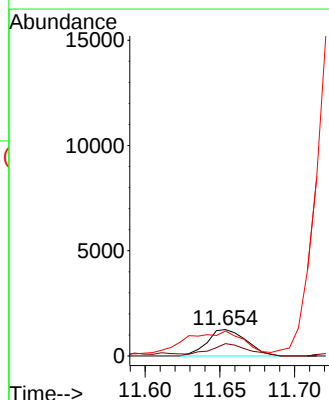
Tgt Ion: 112 Resp: 2278

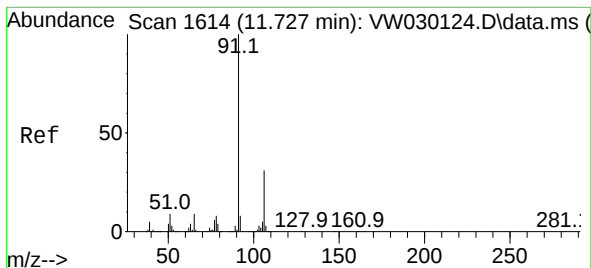
Ion Ratio Lower Upper

112 100

114 46.9 20.9 38.9#

77 94.2 47.1 70.7#

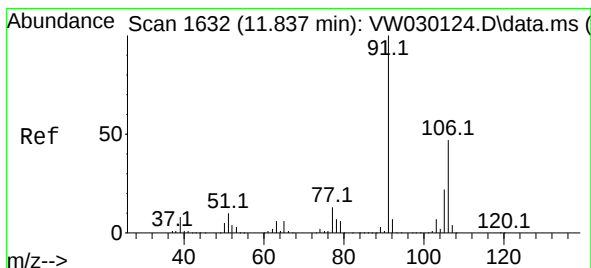
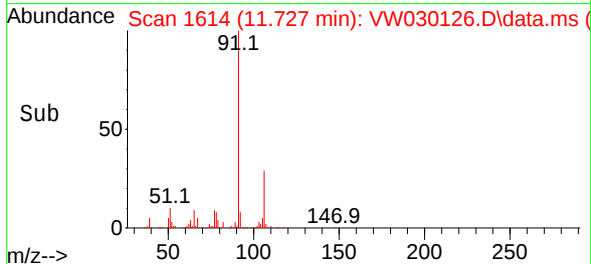
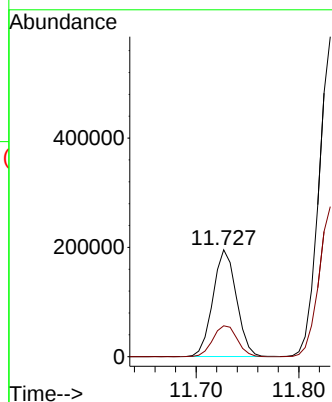
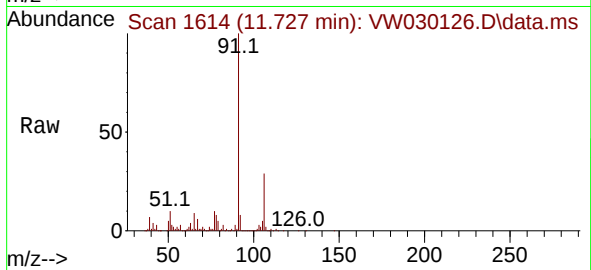




#52
Ethylbenzene
Concen: 38.591 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW030126.D
Acq: 10 Sep 2024 12:40

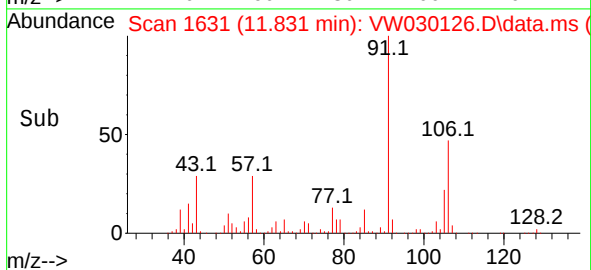
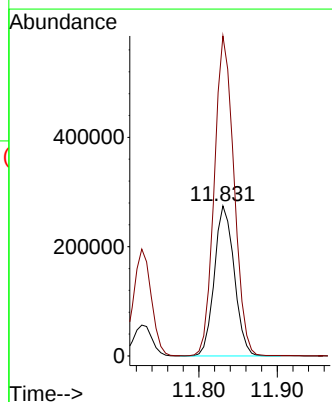
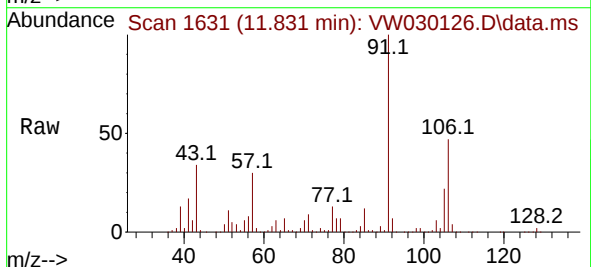
Instrument :
MSVOA_W
ClientSampleId :

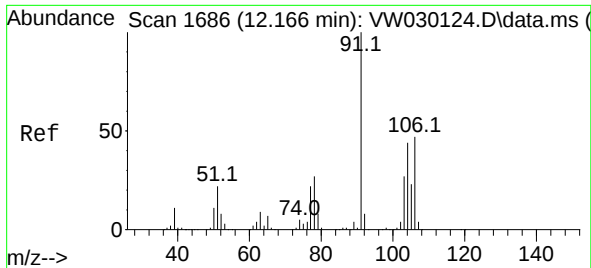
Tgt Ion: 91 Resp: 309675
Ion Ratio Lower Upper
91 100
106 28.9 22.0 41.0



#53
m,p-Xylene
Concen: 161.512 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW030126.D
Acq: 10 Sep 2024 12:40

Tgt Ion:106 Resp: 483671
Ion Ratio Lower Upper
106 100
91 213.2 146.7 272.4

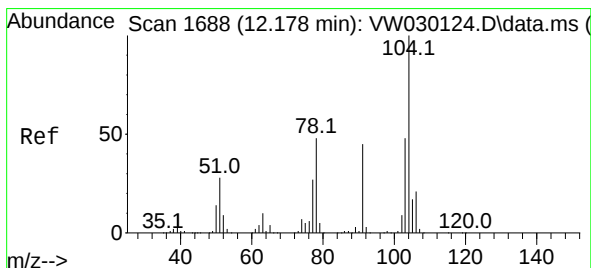
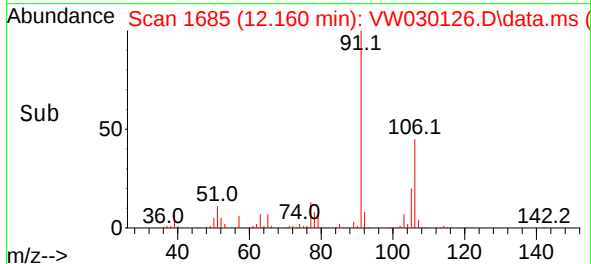
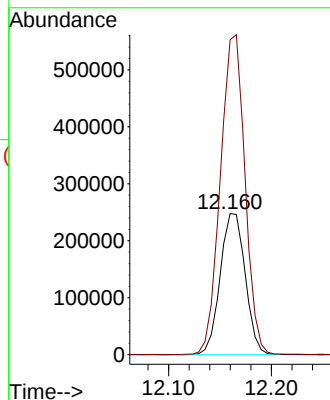
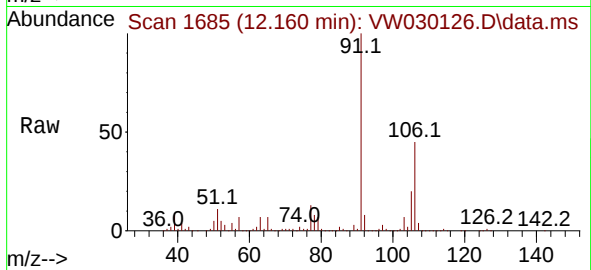




#54
o-Xylene
Concen: 145.761 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW030126.D
Acq: 10 Sep 2024 12:40

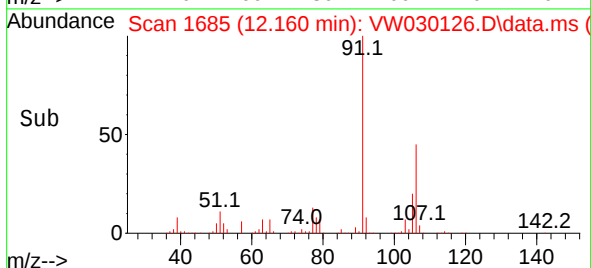
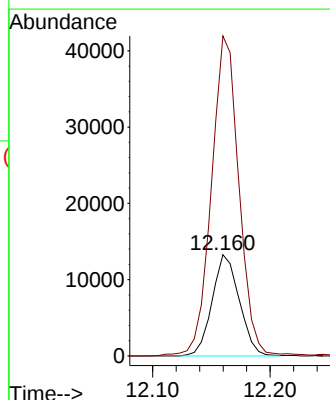
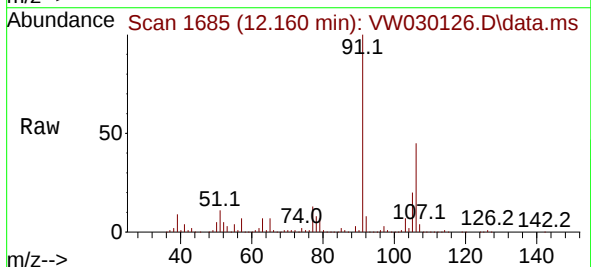
Instrument :
MSVOA_W
ClientSampleId :

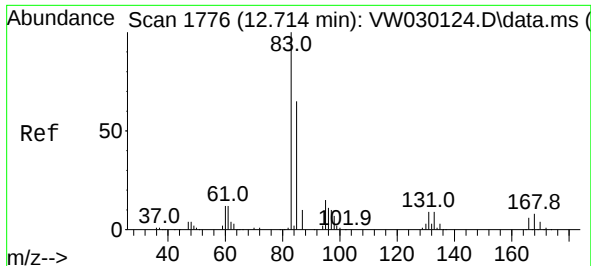
Tgt Ion:106 Resp: 418955
Ion Ratio Lower Upper
106 100
91 223.2 153.9 285.7



#55
Styrene
Concen: 4.436 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.018 min
Lab File: VW030126.D
Acq: 10 Sep 2024 12:40

Tgt Ion:104 Resp: 21364
Ion Ratio Lower Upper
104 100
78 315.9 32.8 60.8#





#57

1,1,2,2-Tetrachloroethane

Concen: 2.696 ug/L

RT: 12.696 min Scan# 1773

Delta R.T. -0.018 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :

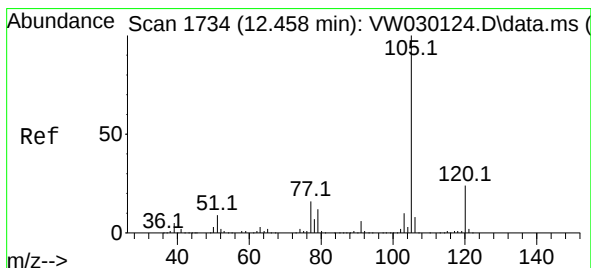
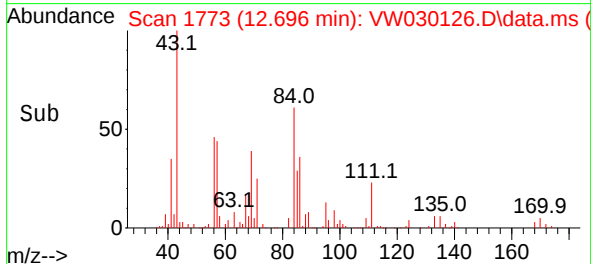
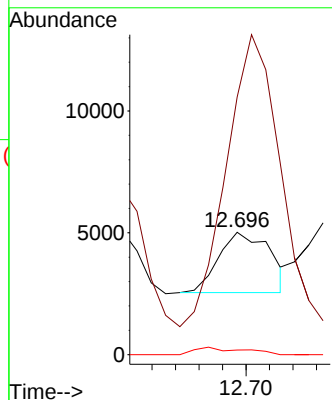
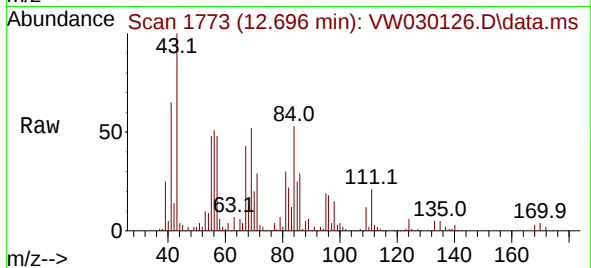
Tgt Ion: 83 Resp: 3748

Ion Ratio Lower Upper

83 100

85 210.6 44.0 81.8#

131 3.8 7.3 10.9#



#60

Isopropylbenzene

Concen: 80.594 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

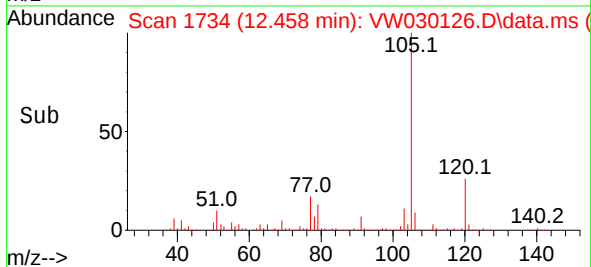
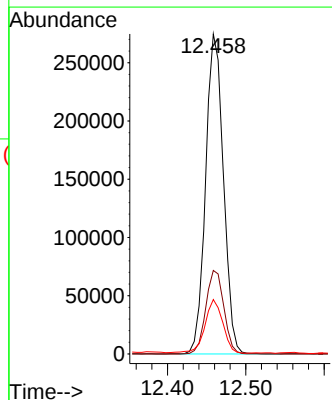
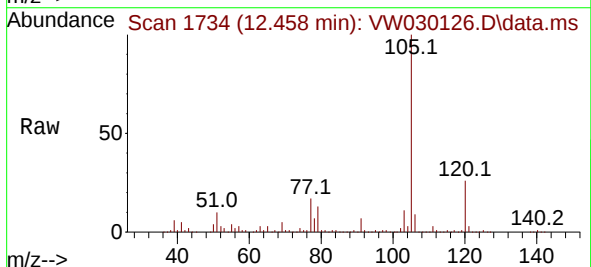
Tgt Ion:105 Resp: 432673

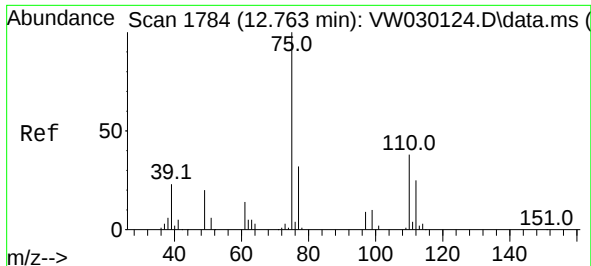
Ion Ratio Lower Upper

105 100

120 26.5 20.6 30.8

77 17.2 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 13.204 ug/L

RT: 12.800 min Scan# 1

Delta R.T. 0.037 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :

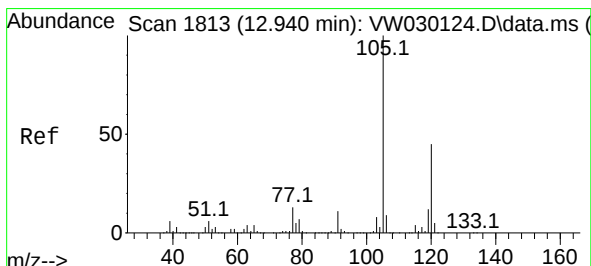
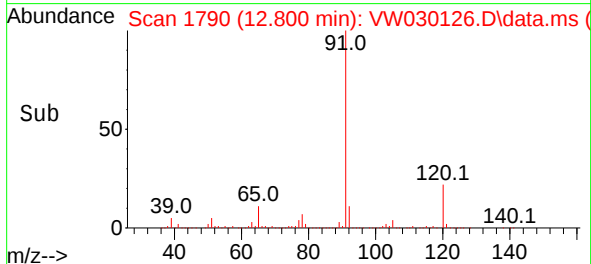
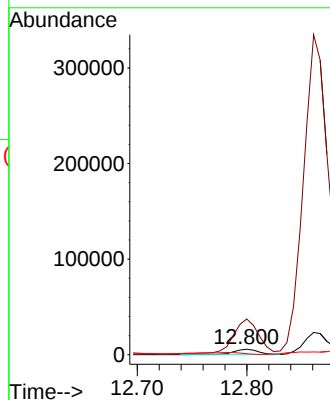
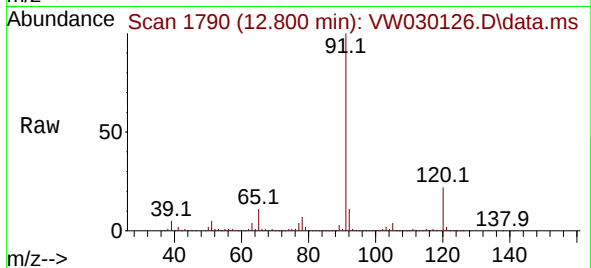
Tgt Ion: 75 Resp: 9034

Ion Ratio Lower Upper

75 100

77 645.4 26.0 39.0#

110 63.3 31.0 46.4#



#62

1,3,5-Trimethylbenzene

Concen: 479.241 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW030126.D

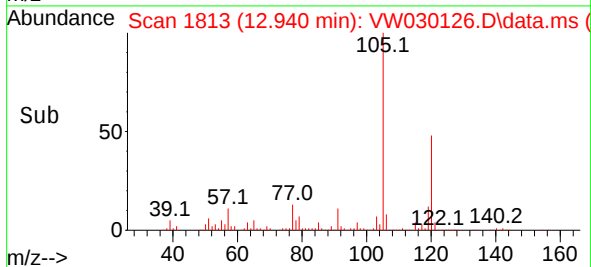
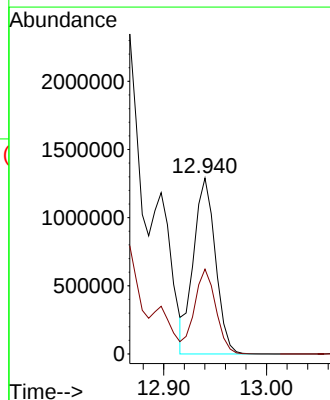
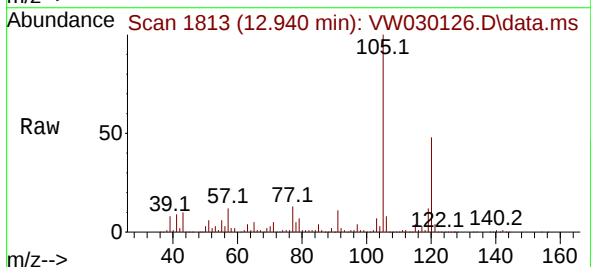
Acq: 10 Sep 2024 12:40

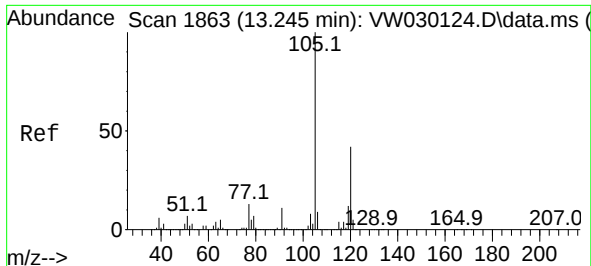
Tgt Ion:105 Resp: 1913010

Ion Ratio Lower Upper

105 100

120 47.5 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 1332.057 ug/L

RT: 13.251 min Scan# 1863

Delta R.T. 0.006 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

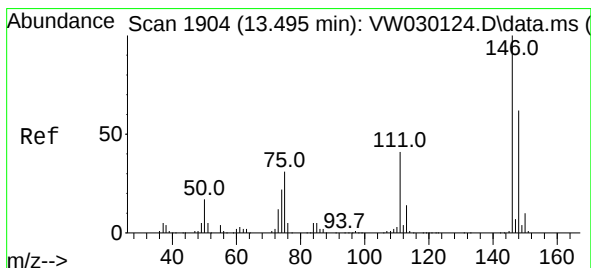
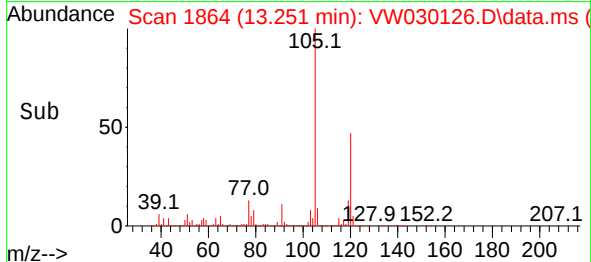
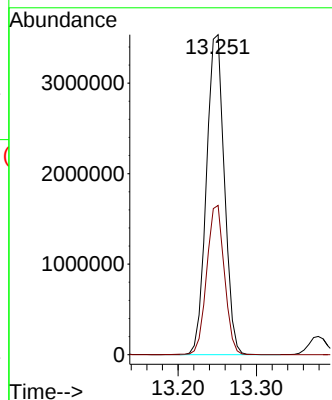
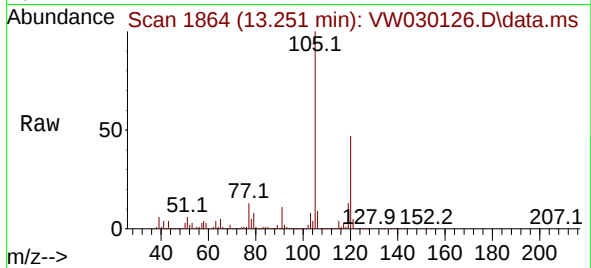
ClientSampleId :

Tgt Ion:105 Resp: 5604513

Ion Ratio Lower Upper

105 100

120 45.9 36.3 54.5



#64

1,3-Dichlorobenzene

Concen: 0.315 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

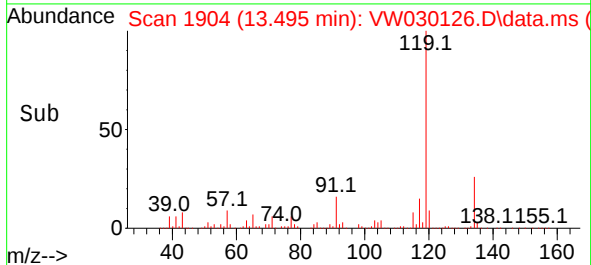
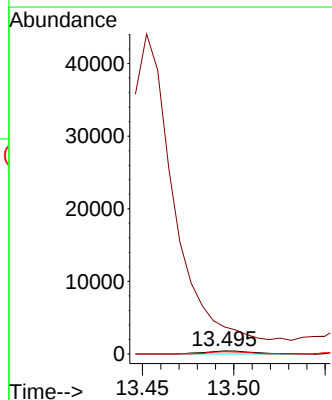
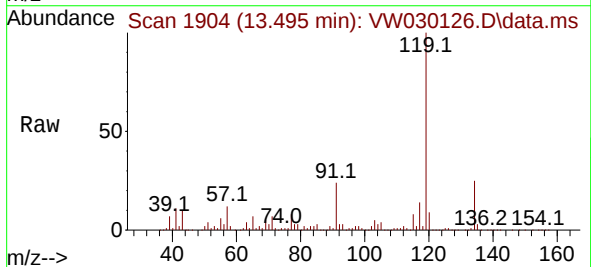
Tgt Ion:146 Resp: 722

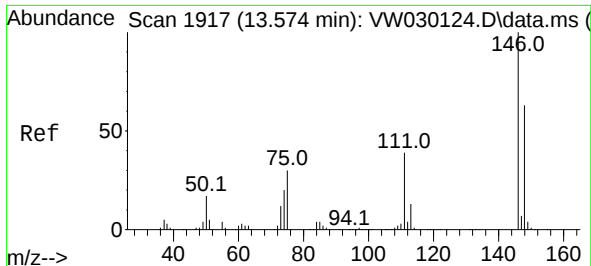
Ion Ratio Lower Upper

146 100

111 910.8 29.1 54.1#

148 73.1 43.9 81.5





#65

1,4-Dichlorobenzene

Concen: 0.842 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :

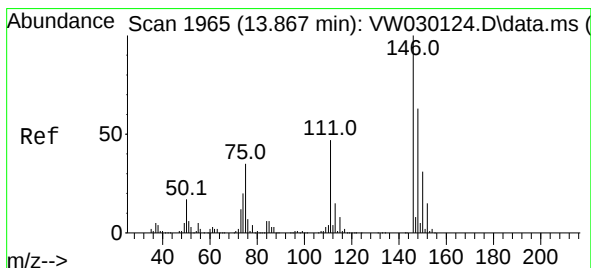
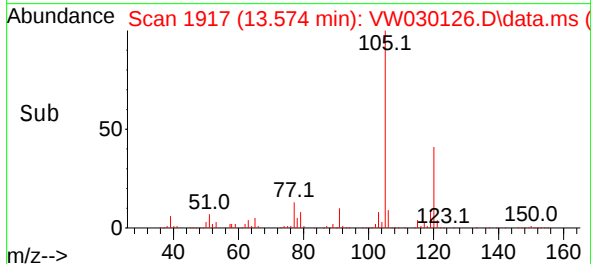
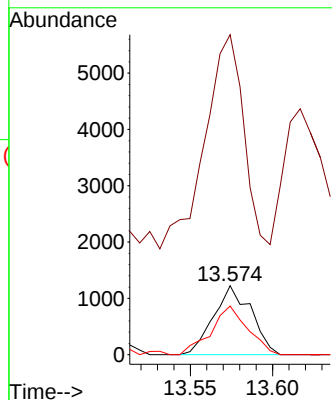
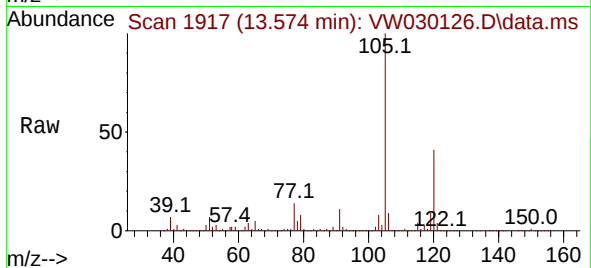
Tgt Ion:146 Resp: 1947

Ion Ratio Lower Upper

146 100

111 463.5 28.2 52.4#

148 70.5 45.8 85.2



#67

1,2-Dichlorobenzene

Concen: 1.855 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

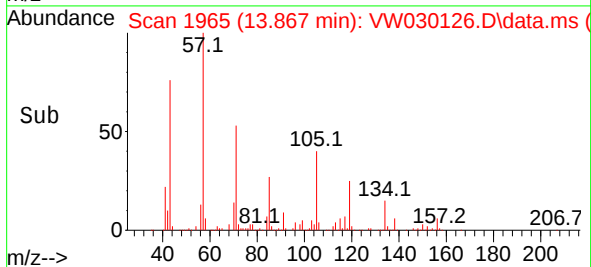
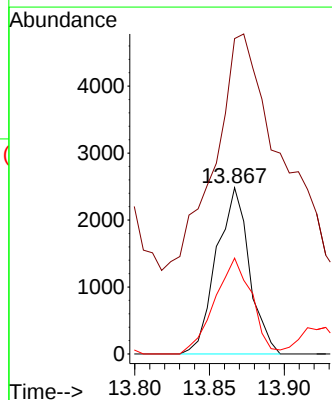
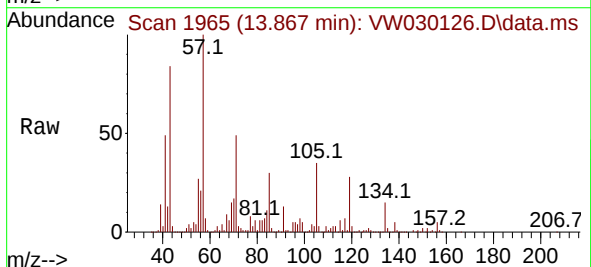
Tgt Ion:146 Resp: 3798

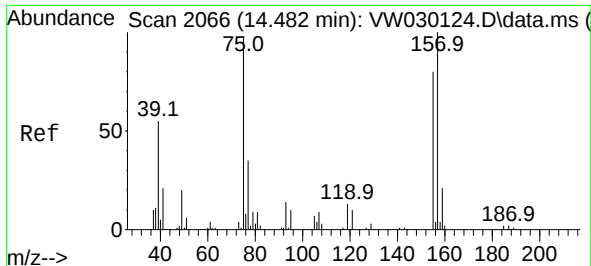
Ion Ratio Lower Upper

146 100

111 189.6 34.7 52.1#

148 57.6 51.4 77.0





#68

1,2-Dibromo-3-chloropropane

Concen: 10.965 ug/L

RT: 14.495 min Scan# 2066

Delta R.T. 0.012 min

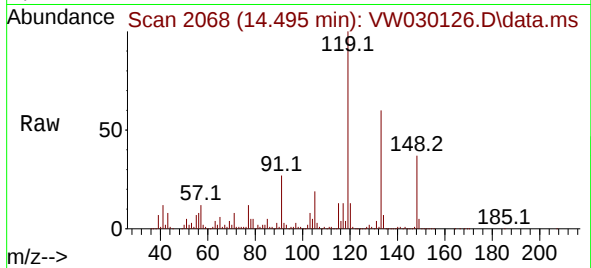
Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

Instrument :

MSVOA_W

ClientSampleId :



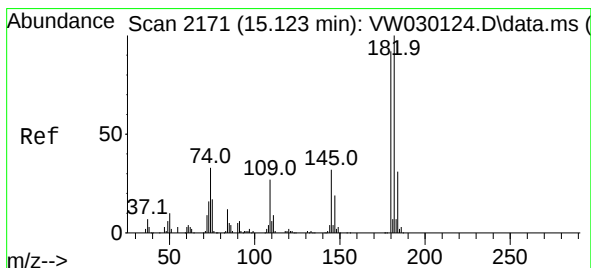
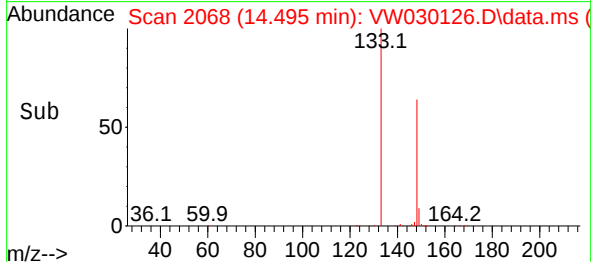
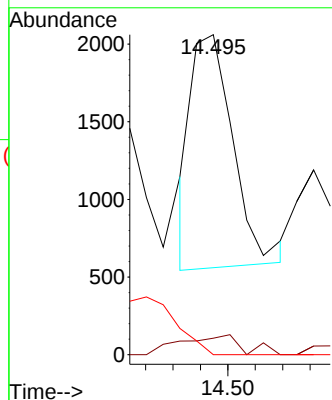
Tgt Ion: 75 Resp: 1606

Ion Ratio Lower Upper

75 100

155 5.1 62.8 94.2#

157 0.0 84.3 126.5#



#70

1,2,4-trichlorobenzene

Concen: 3.865 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW030126.D

Acq: 10 Sep 2024 12:40

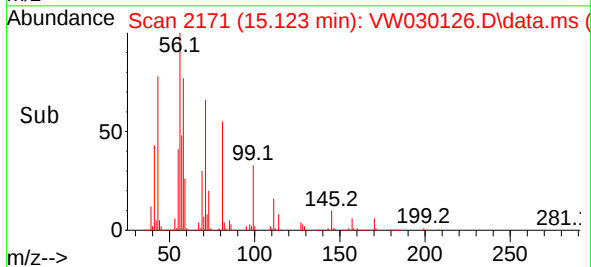
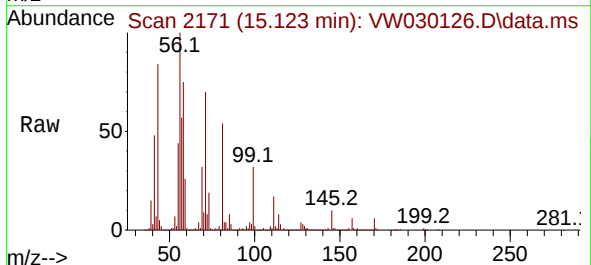
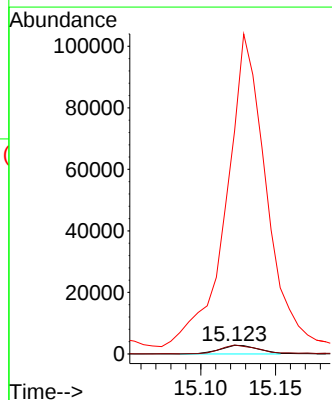
Tgt Ion:180 Resp: 4999

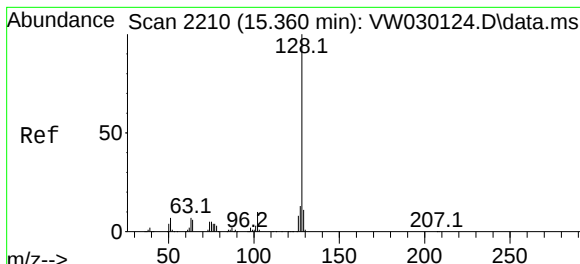
Ion Ratio Lower Upper

180 100

182 101.0 75.3 112.9

145 3824.7 24.7 37.1#



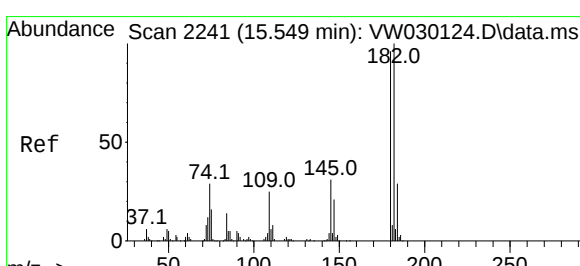
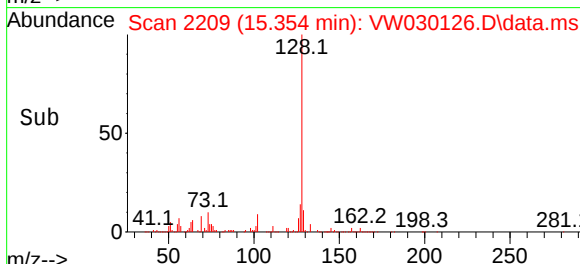
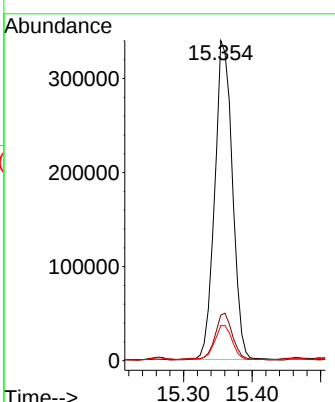
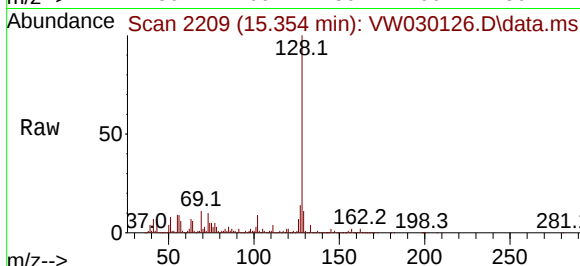


#71
 Naphthalene
 Concen: 245.847 ug/L
 RT: 15.354 min Scan# 2210
 Delta R.T. -0.006 min
 Lab File: VW030126.D
 Acq: 10 Sep 2024 12:40

Instrument : MSVOA_W
 ClientSampleId :

Tgt Ion:128 Resp: 607116

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.6	15.8
129	10.6	8.9	13.3



#72
 1,2,3-Trichlorobenzene
 Concen: 1.525 ug/L
 RT: 15.543 min Scan# 2240
 Delta R.T. -0.006 min
 Lab File: VW030126.D
 Acq: 10 Sep 2024 12:40

Tgt Ion:180 Resp: 1731

Ion	Ratio	Lower	Upper
180	100		
182	91.1	77.2	115.8
145	0.0	26.5	39.7

