

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021448.D
 Acq On : 18 Dec 2021 02:28
 Operator : SY/VA
 Sample : M5153-07
 Misc : 5.60g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 04:00:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	149604	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	145211	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	69941	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	39477	14.489	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.960%
7) Chloroethane-d5	2.879	69	23346	12.961	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.840%
11) 1,1-Dichloroethene-d2	4.013	63	51753	14.247	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.000%
21) 2-Butanone-d5	7.080	46	21410	55.745	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.480%
24) Chloroform-d	7.647	84	84150	20.184	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.720%
26) 1,2-Dichloroethane-d4	8.305	65	47409	21.378	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.520%
32) Benzene-d6	8.275	84	165714	20.820	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.280%
36) 1,2-Dichloropropane-d6	9.274	67	46404	21.738	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.960%
41) Toluene-d8	10.323	98	153617	18.889	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.560%
43) trans-1,3-Dichloroprop...	10.579	79	18040	18.354	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.400%
47) 2-Hexanone-d5	10.921	63	17971	56.932	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.860%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	35575	19.387	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.560%
66) 1,2-Dichlorobenzene-d4	13.853	152	48926	18.050	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.200%#
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	18068	52.476	ug/L	91
14) Carbon disulfide	4.379	76	5451	1.138	ug/L	96
22) 2-Butanone	7.171	43	3829	8.516	ug/L	91
34) Trichloroethene	8.842	95	4359	1.963	ug/L #	5
35) Methylcyclohexane	9.274	83	12780	3.489	ug/L #	15
37) 1,2-Dichloropropane	9.274	63	5651	3.203	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	1473	0.530	ug/L #	74
40) 4-Methyl-2-pentanone	10.207	43	2405	2.502	ug/L #	97
51) Chlorobenzene	11.658	112	283243	45.729	ug/L	89
52) Ethylbenzene	11.725	91	70593	6.677	ug/L	97
53) m,p-Xylene	11.835	106	31809	7.458	ug/L	82
54) o-Xylene	12.164	106	41771	10.320	ug/L	100
60) Isopropylbenzene	12.463	105	47702	5.019	ug/L #	77
61) 1,2,3-Trichloropropane	12.804	75	913	0.897	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.938	105	42549	5.261	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	392214	49.164	ug/L	95
64) 1,3-Dichlorobenzene	13.493	146	8787	1.960	ug/L #	79
65) 1,4-Dichlorobenzene	13.579	146	44996	10.103	ug/L	92
67) 1,2-Dichlorobenzene	13.865	146	56578	14.336	ug/L	92

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

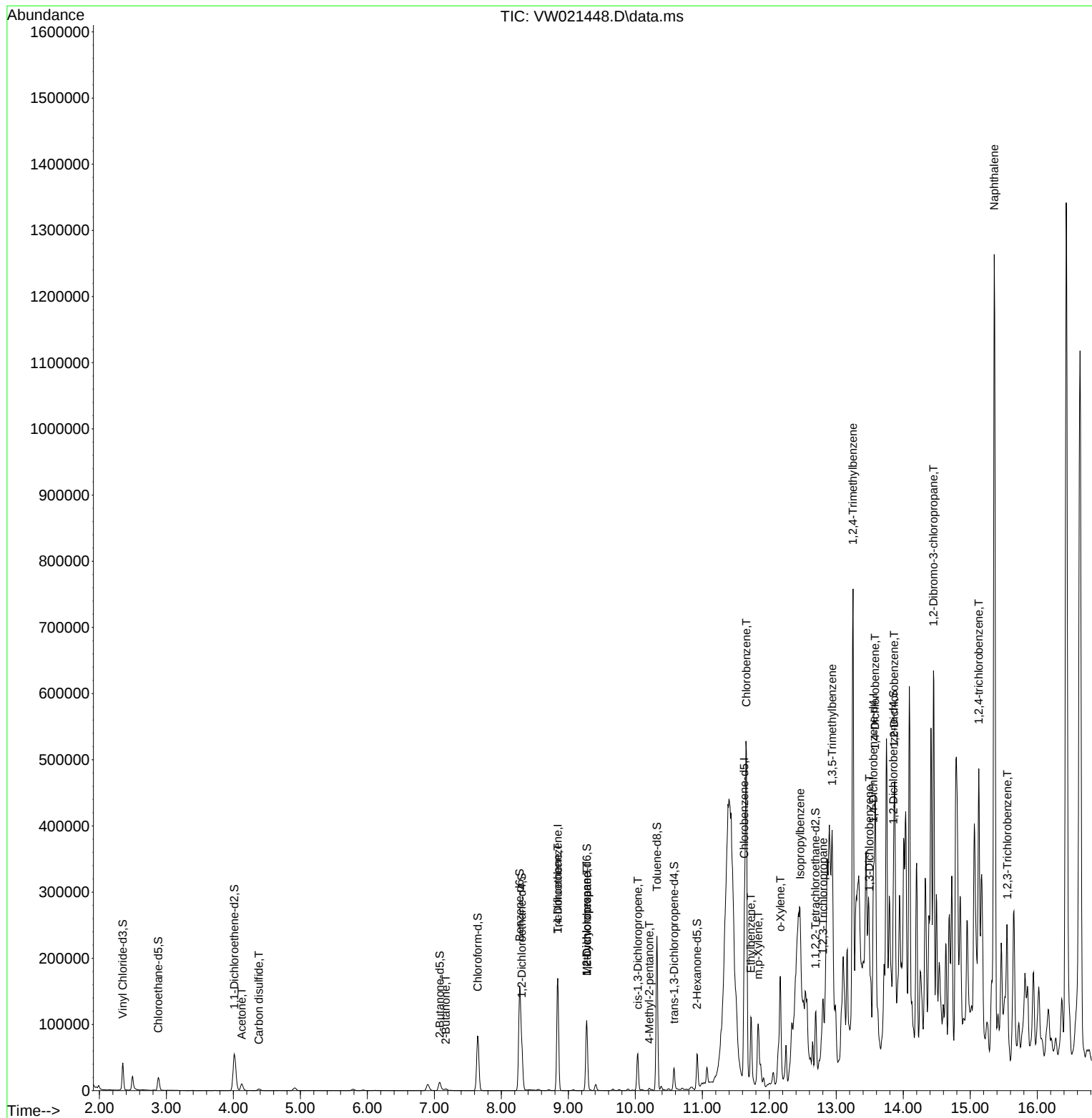
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.450	75	4497	21.418	ug/L #	12
70) 1,2,4-trichlorobenzene	15.127	180	129740	48.144	ug/L #	89
71) Naphthalene	15.359	128	1082798	247.318	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	36083	16.202	ug/L #	69

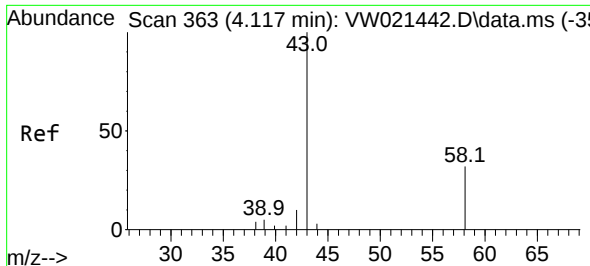
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration





#13

Acetone

Concen: 52.476 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

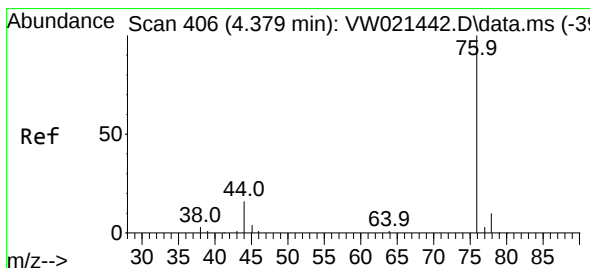
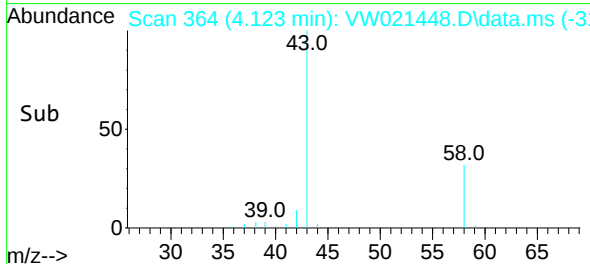
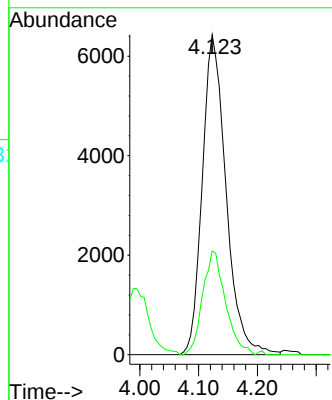
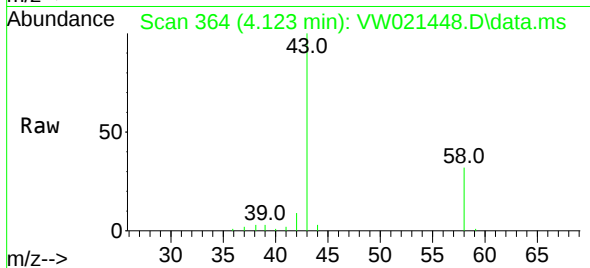
ClientSampleId :

Tgt Ion: 43 Resp: 18068

Ion Ratio Lower Upper

43 100

58 31.1 0.0 52.8



#14

Carbon disulfide

Concen: 1.138 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.000 min

Lab File: VW021448.D

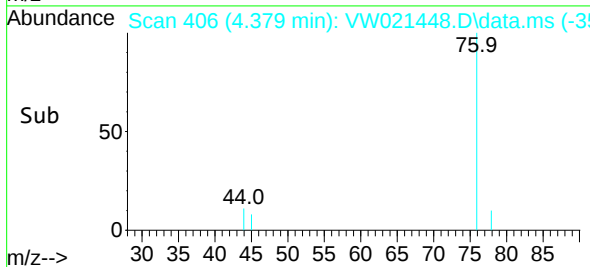
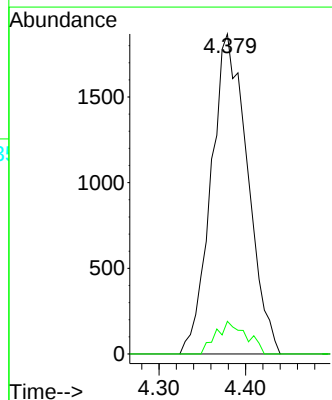
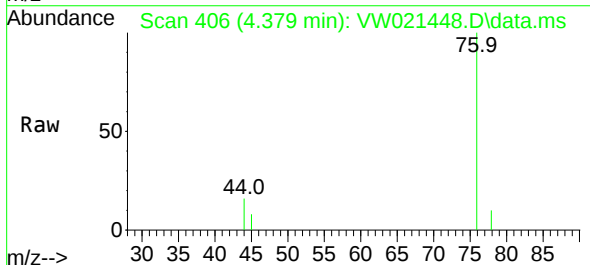
Acq: 18 Dec 2021 02:28

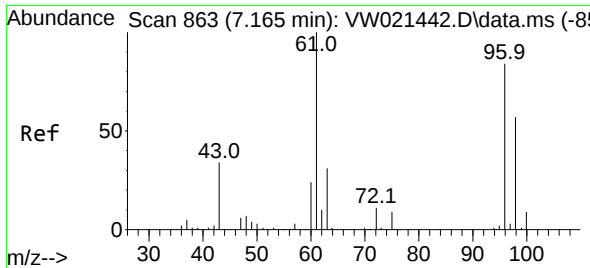
Tgt Ion: 76 Resp: 5451

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7

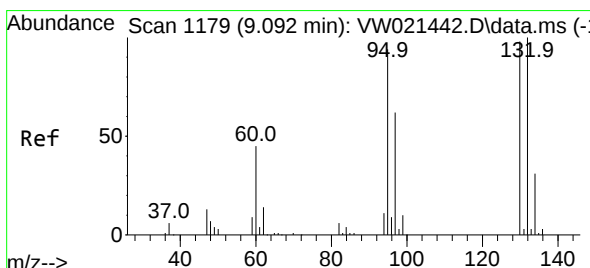
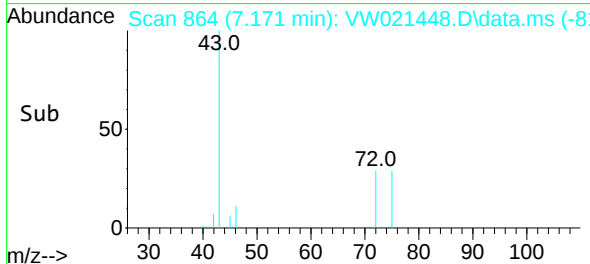
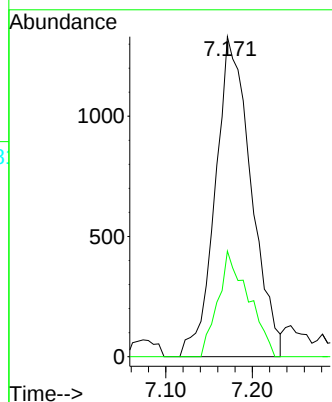
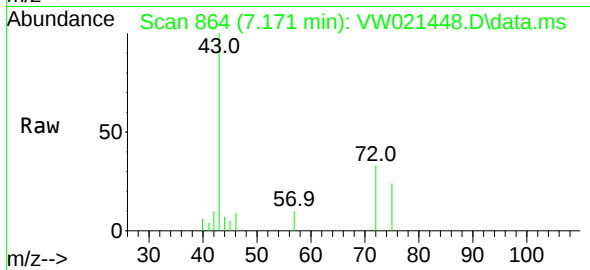




#22
2-Butanone
Concen: 8.516 ug/L
RT: 7.171 min Scan# 80
Delta R.T. 0.006 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

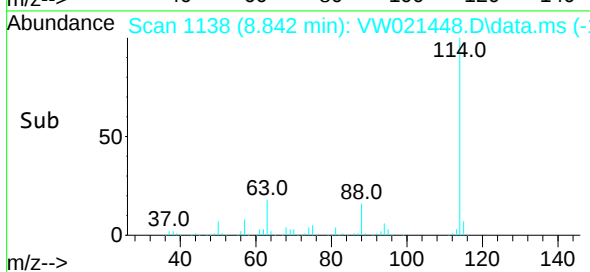
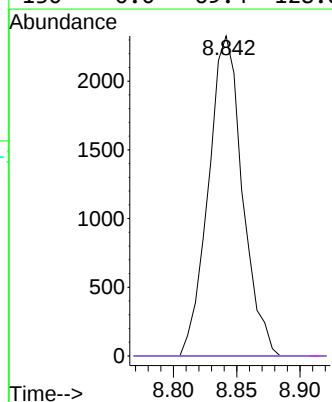
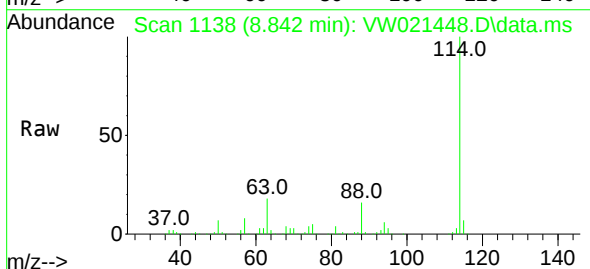
Instrument :
MSVOA_W
ClientSampleId :

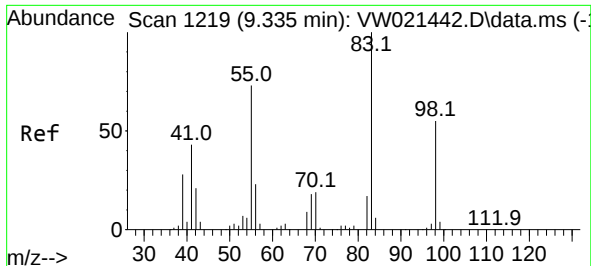
Tgt Ion: 43 Resp: 3829
Ion Ratio Lower Upper
43 100
72 28.1 11.8 35.4



#34
Trichloroethene
Concen: 1.963 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

Tgt Ion: 95 Resp: 4359
Ion Ratio Lower Upper
95 100
97 0.0 47.0 87.2#
132 0.0 65.5 121.6#
130 0.0 69.4 128.8#





#35

Methylcyclohexane

Concen: 3.489 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

ClientSampleId :

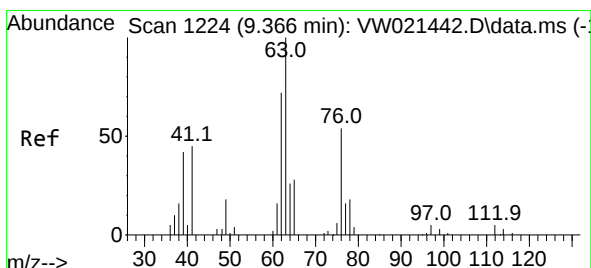
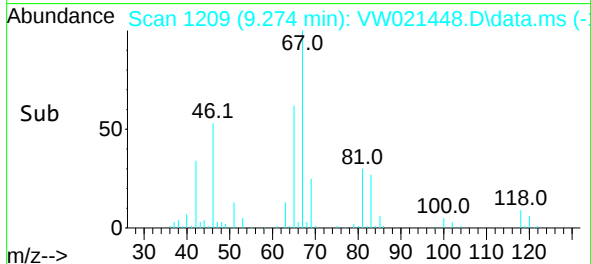
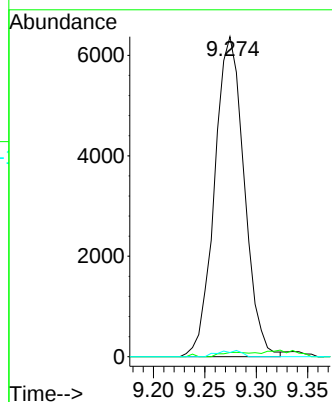
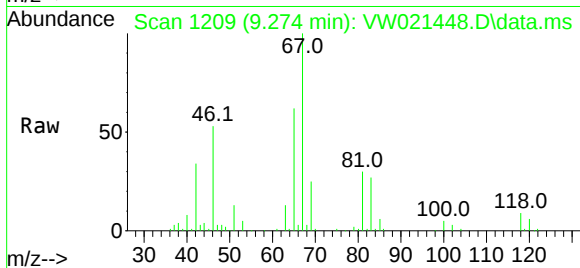
Tgt Ion: 83 Resp: 12780

Ion Ratio Lower Upper

83 100

55 1.2 70.8 106.2#

98 1.5 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 3.203 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW021448.D

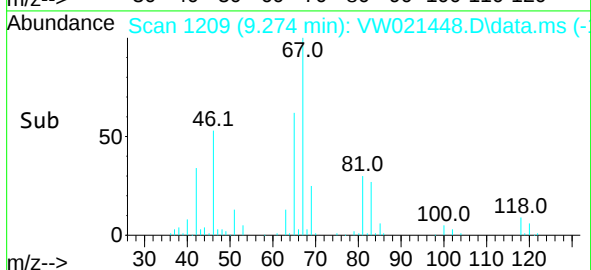
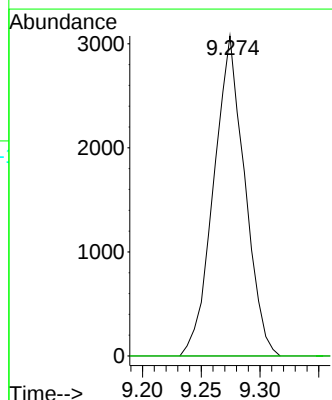
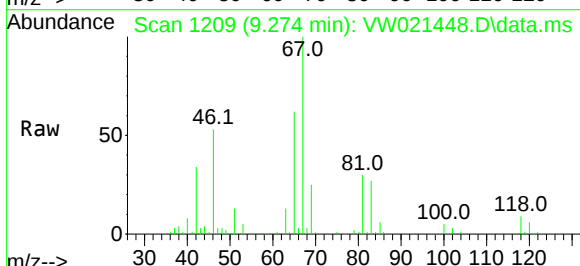
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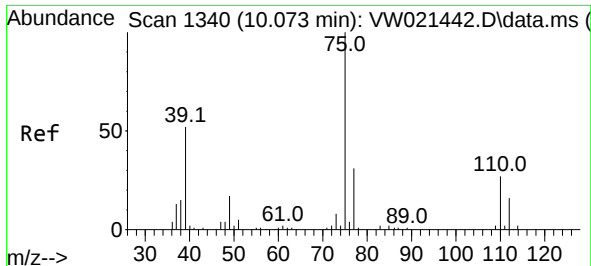
Tgt Ion: 63 Resp: 5651

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.530 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

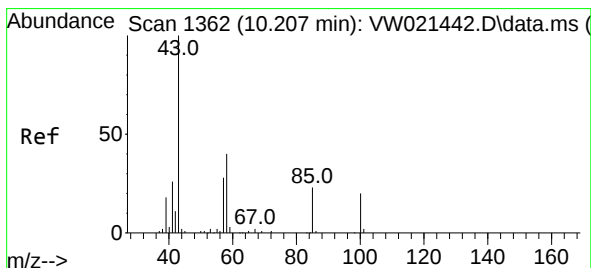
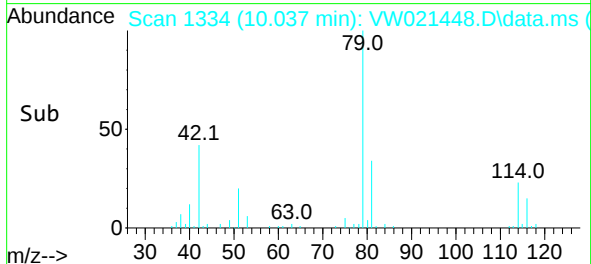
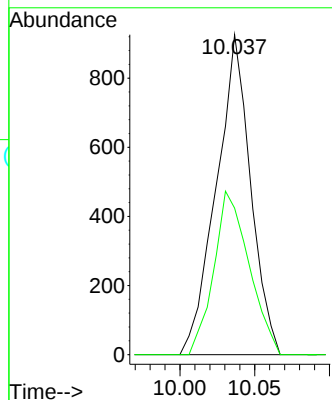
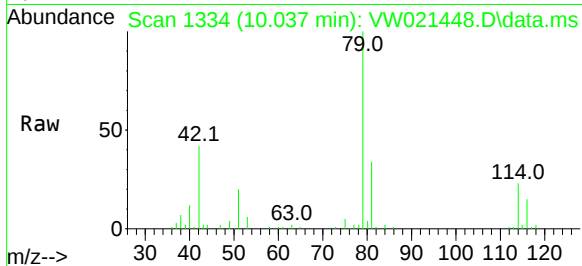
ClientSampleId :

Tgt Ion: 75 Resp: 1473

Ion Ratio Lower Upper

75 100

77 45.8 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 2.502 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

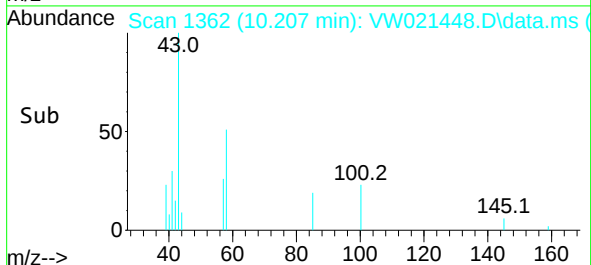
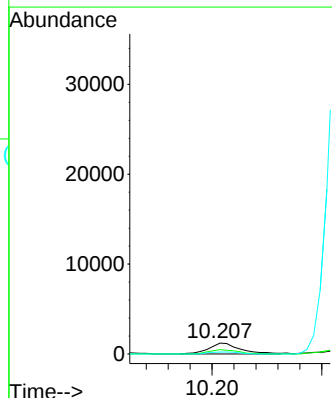
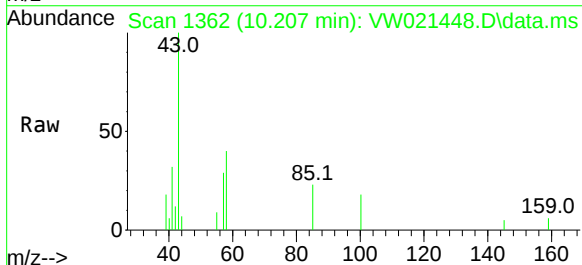
Tgt Ion: 43 Resp: 2405

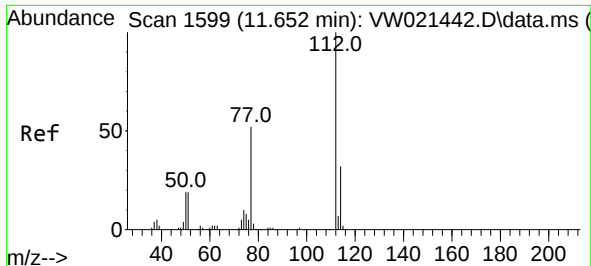
Ion Ratio Lower Upper

43 100

58 35.8 28.8 43.2

100 16.8 10.0 15.0#

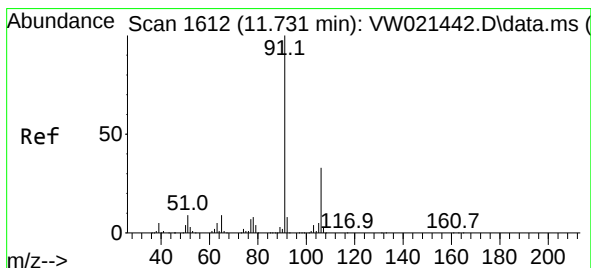
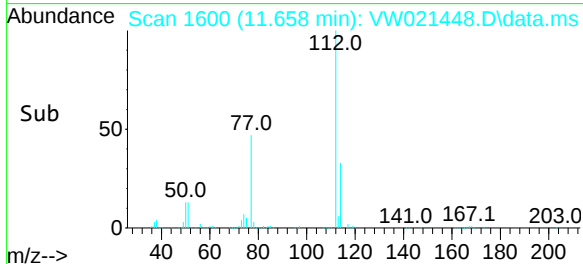
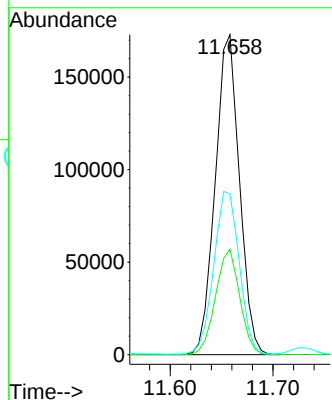
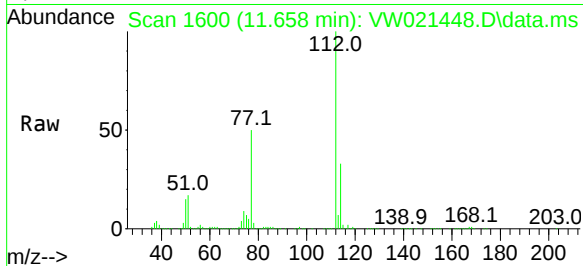




#51
Chlorobenzene
Concen: 45.729 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

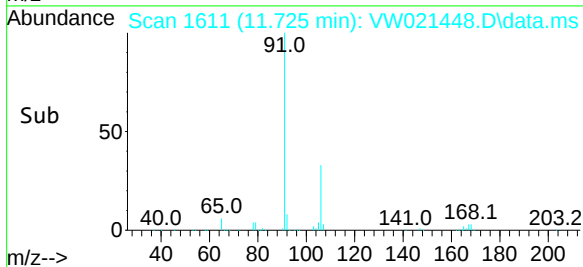
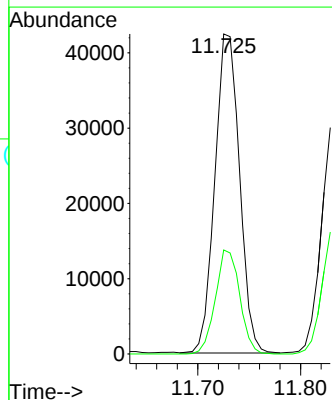
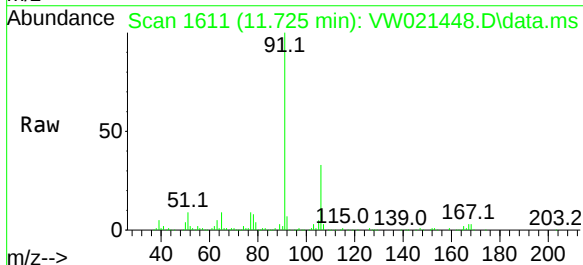
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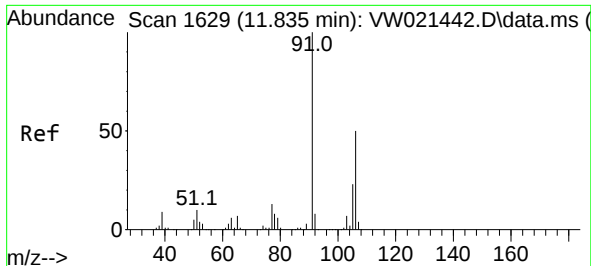
Tgt Ion:112 Resp: 283243
Ion Ratio Lower Upper
112 100
114 33.0 22.4 41.6
77 50.2 50.2 75.4



#52
Ethylbenzene
Concen: 6.677 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

Tgt Ion: 91 Resp: 70593
Ion Ratio Lower Upper
91 100
106 32.5 21.5 39.9





#53

m,p-Xylene

Concen: 7.458 ug/L

RT: 11.835 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

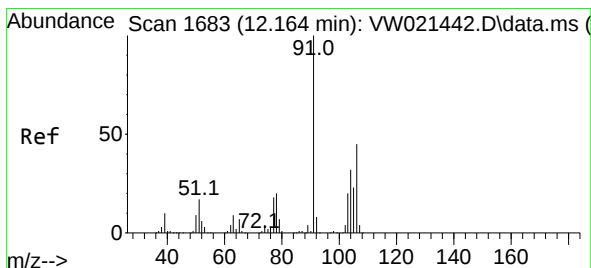
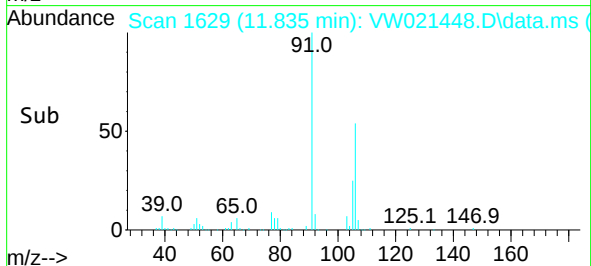
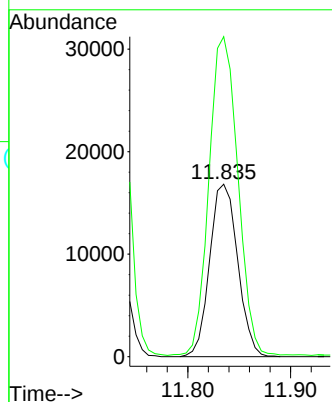
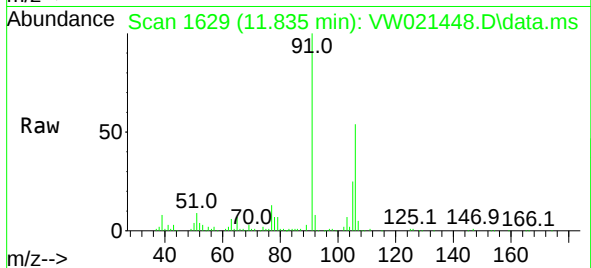
ClientSampleId :

Tgt Ion:106 Resp: 31809

Ion Ratio Lower Upper

106 100

91 185.5 149.9 278.3



#54

o-Xylene

Concen: 10.320 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VW021448.D

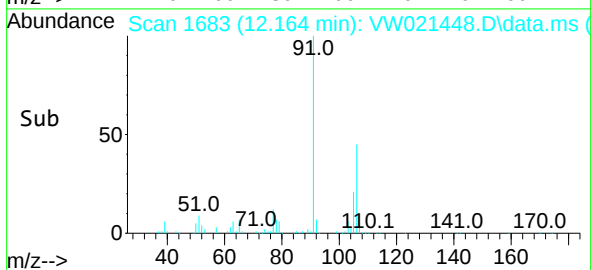
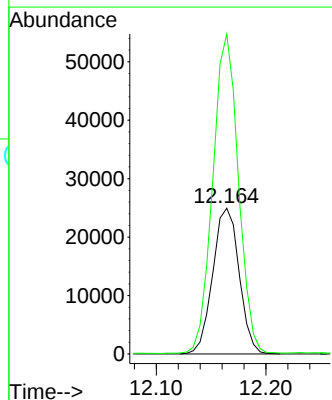
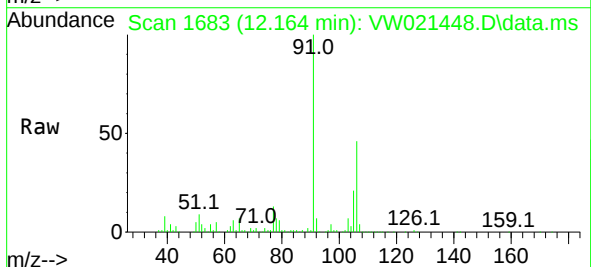
Acq: 18 Dec 2021 02:28

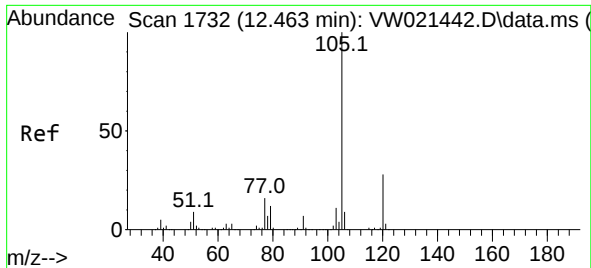
Tgt Ion:106 Resp: 41771

Ion Ratio Lower Upper

106 100

91 219.5 153.6 285.3

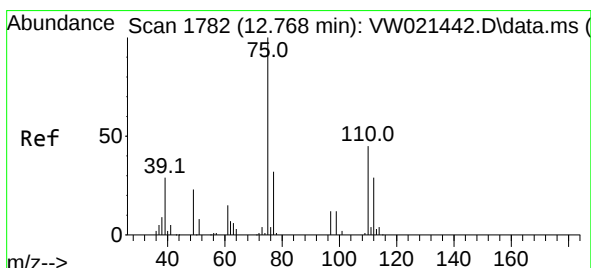
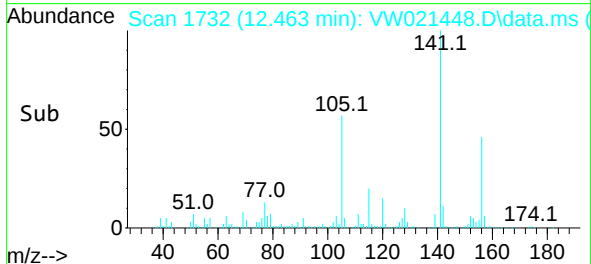
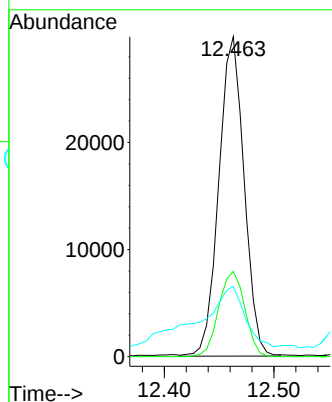
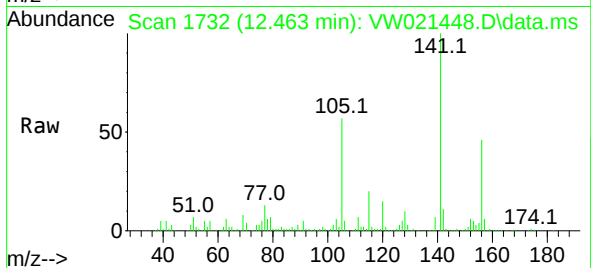




#60
Isopropylbenzene
Concen: 5.019 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

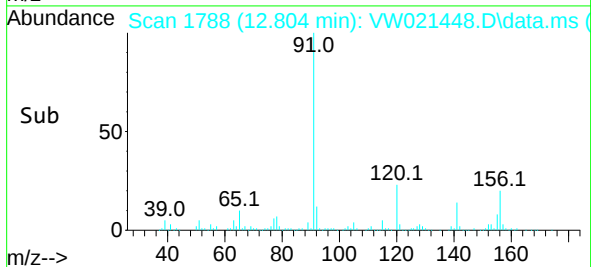
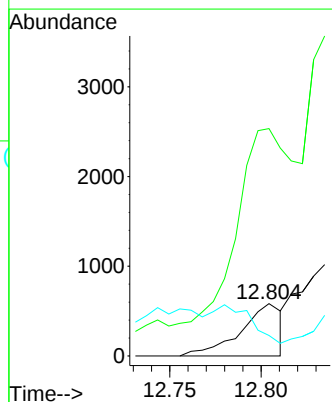
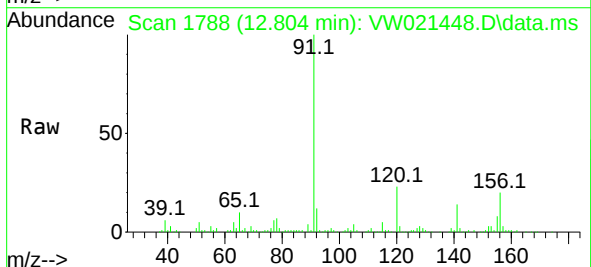
Instrument :
MSVOA_W
ClientSampleId :

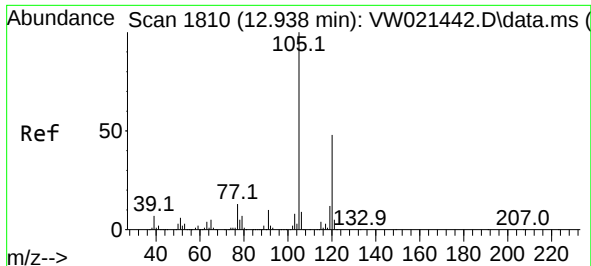
Tgt Ion:105 Resp: 47702
Ion Ratio Lower Upper
105 100
120 27.6 20.1 30.1
77 39.2 13.8 20.8#



#61
1,2,3-Trichloropropane
Concen: 0.897 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.037 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

Tgt Ion: 75 Resp: 913
Ion Ratio Lower Upper
75 100
77 539.0 25.8 38.8#
110 69.2 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 5.261 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

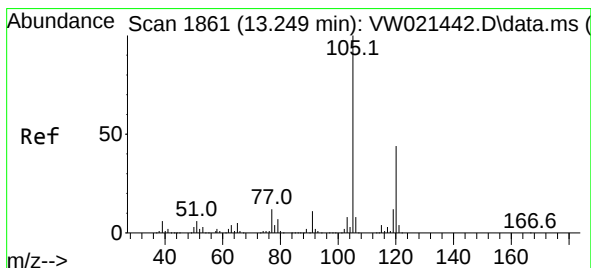
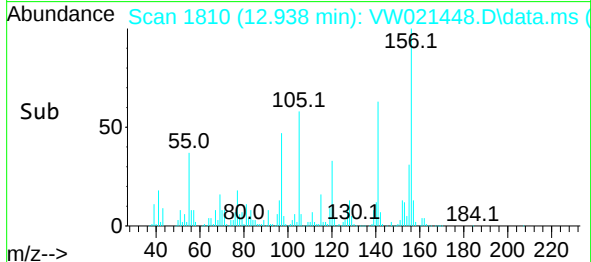
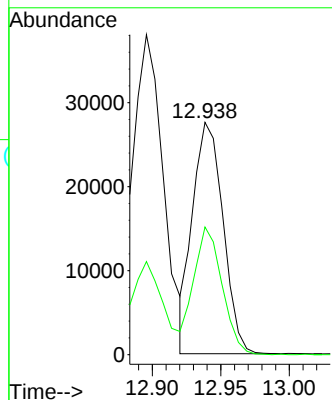
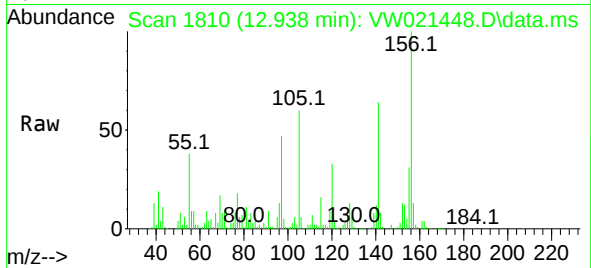
ClientSampleId :

Tgt Ion:105 Resp: 42549

Ion Ratio Lower Upper

105 100

120 51.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 49.164 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021448.D

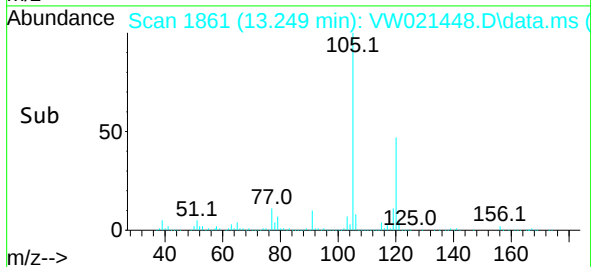
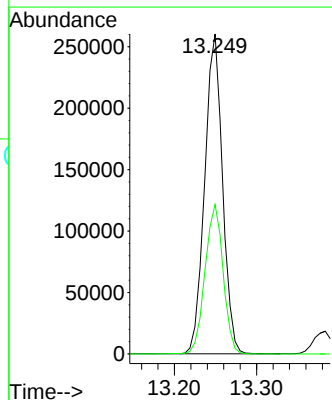
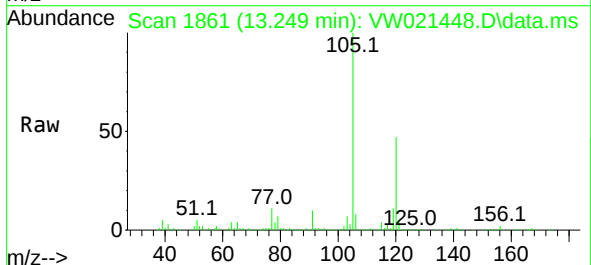
Acq: 18 Dec 2021 02:28

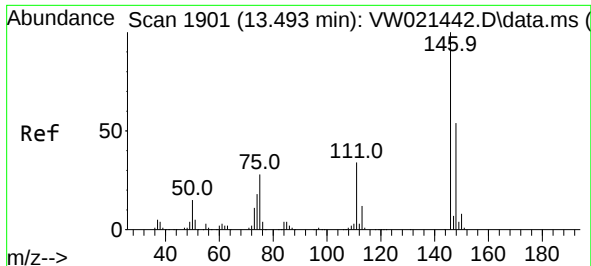
Tgt Ion:105 Resp: 392214

Ion Ratio Lower Upper

105 100

120 47.2 35.0 52.6

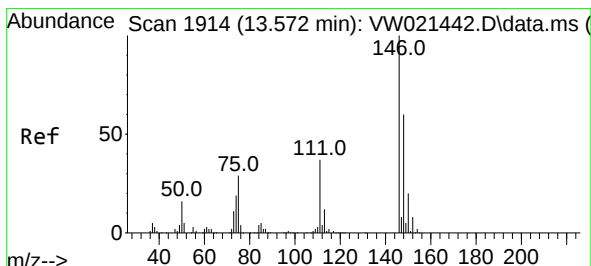
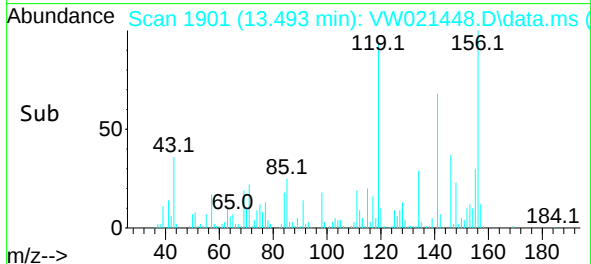
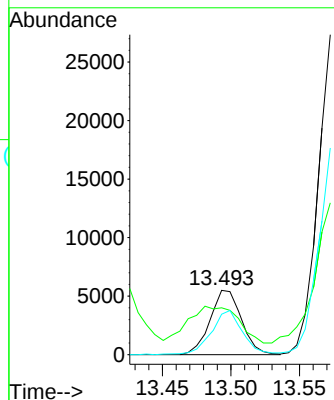
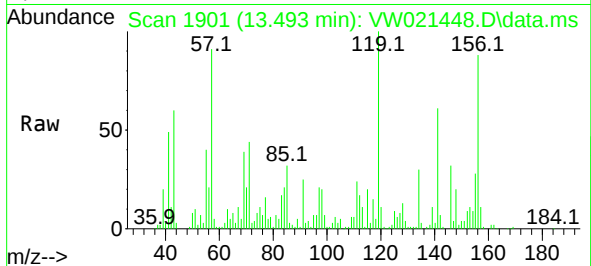




#64
1,3-Dichlorobenzene
Concen: 1.960 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

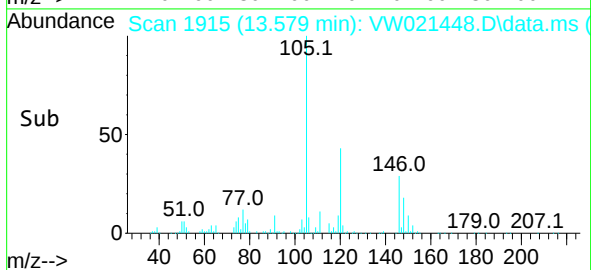
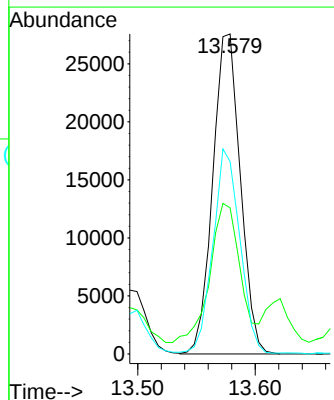
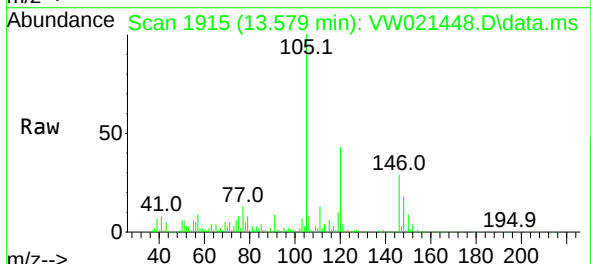
Instrument :
MSVOA_W
ClientSampleId :

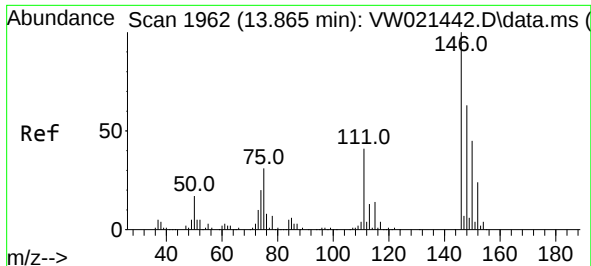
Tgt Ion:146 Resp: 8787
Ion Ratio Lower Upper
146 100
111 72.8 29.8 55.3#
148 62.9 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 10.103 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW021448.D
Acq: 18 Dec 2021 02:28

Tgt Ion:146 Resp: 44996
Ion Ratio Lower Upper
146 100
111 45.6 29.0 53.9
148 60.1 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 14.336 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

ClientSampleId :

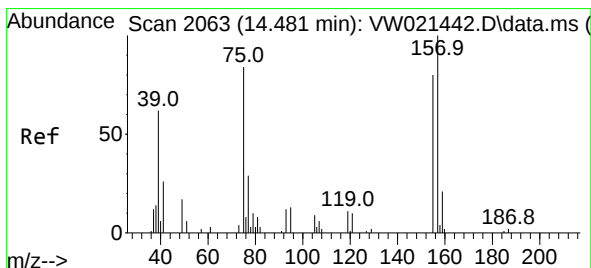
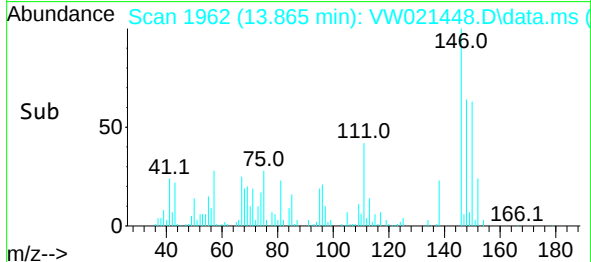
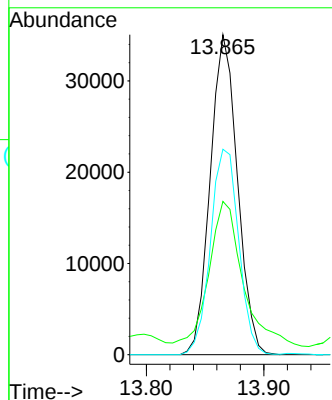
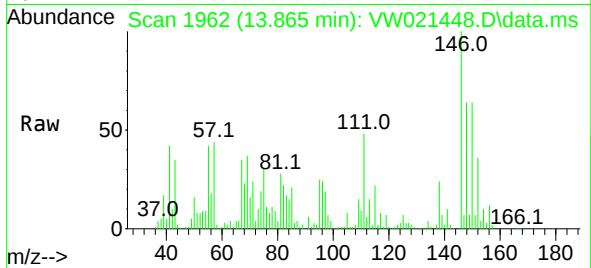
Tgt Ion:146 Resp: 56578

Ion Ratio Lower Upper

146 100

111 47.9 33.1 49.7

148 64.2 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 21.418 ug/L

RT: 14.450 min Scan# 2058

Delta R.T. -0.030 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

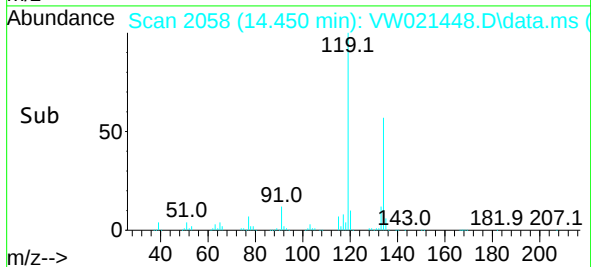
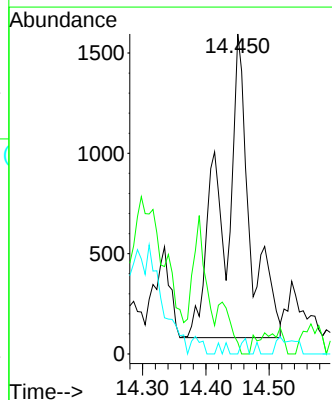
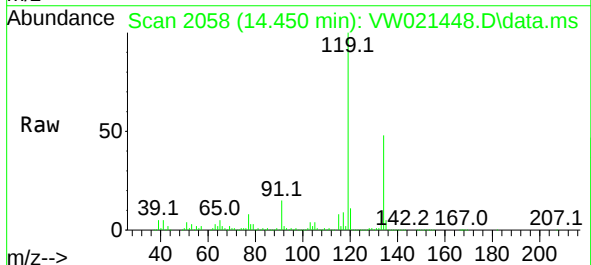
Tgt Ion: 75 Resp: 4497

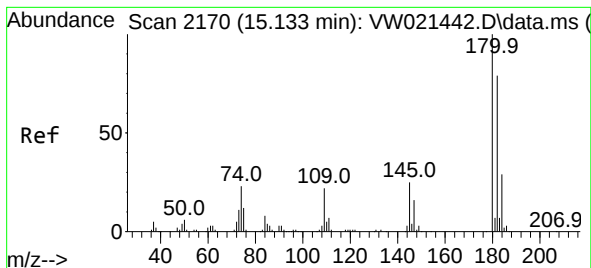
Ion Ratio Lower Upper

75 100

155 3.6 54.2 81.2#

157 0.0 69.4 104.2#





#70

1,2,4-trichlorobenzene

Concen: 48.144 ug/L

RT: 15.127 min Scan# 21

Delta R.T. -0.006 min

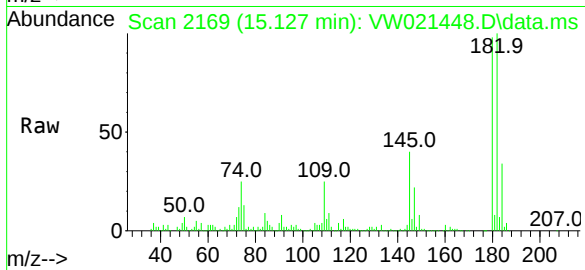
Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

Instrument :

MSVOA_W

ClientSampleId :



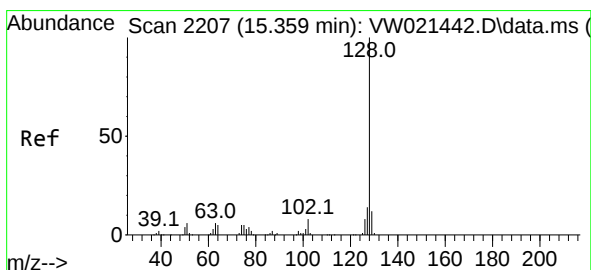
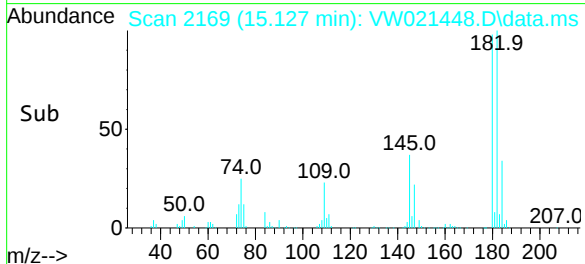
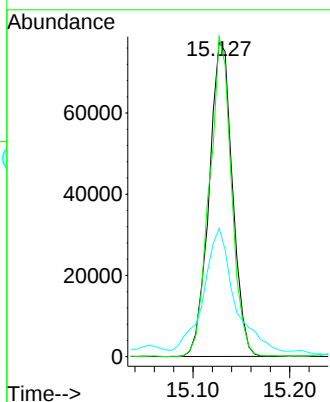
Tgt Ion:180 Resp: 129740

Ion Ratio Lower Upper

180 100

182 95.9 79.0 118.6

145 52.1 26.0 39.0#



#71

Naphthalene

Concen: 247.318 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW021448.D

Acq: 18 Dec 2021 02:28

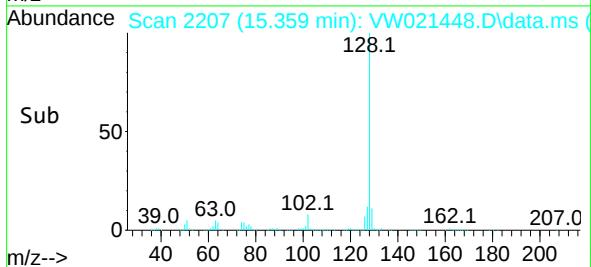
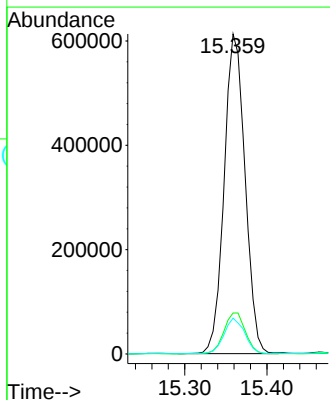
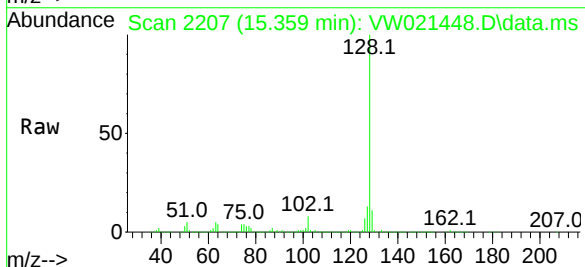
Tgt Ion:128 Resp: 1082798

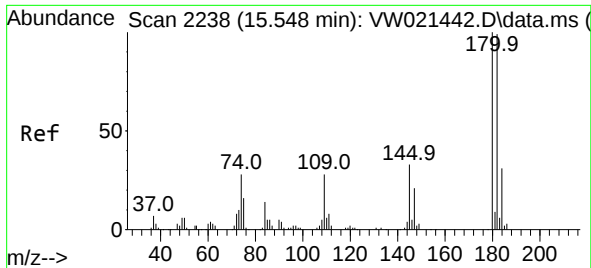
Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

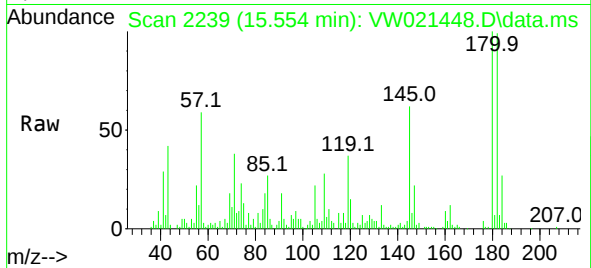
129 11.1 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 16.202 ug/L
 RT: 15.554 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW021448.D
 Acq: 18 Dec 2021 02:28

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 36083
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.6 114.8
 145 97.7 27.4 41.0#

