

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021558.D
 Acq On : 22 Dec 2021 13:13
 Operator : SY/VA
 Sample : M5153-06RE
 Misc : 4.70g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 23 00:35:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 23 00:34:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	154743	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	148226	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	70324	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	44034	15.624	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.480%
7) Chloroethane-d5	2.885	69	32166	17.265	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.040%
11) 1,1-Dichloroethene-d2	4.007	63	52998	14.105	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.440%
21) 2-Butanone-d5	7.098	46	17705	44.567	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.140%
24) Chloroform-d	7.646	84	94199	21.844	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.360%
26) 1,2-Dichloroethane-d4	8.305	65	51328	22.376	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.520%
32) Benzene-d6	8.274	84	176630	21.740	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.960%
36) 1,2-Dichloropropane-d6	9.274	67	50262	23.067	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.280%
41) Toluene-d8	10.323	98	174321	20.999	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	10.579	79	20714	20.646	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.600%
47) 2-Hexanone-d5	10.926	63	15352	47.646	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.300%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	35297	18.844	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.360%
66) 1,2-Dichlorobenzene-d4	13.853	152	54508	20.000	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.000%
Target Compounds						
					Qvalue	
13) Acetone	4.171	43	4788	13.444	ug/L	84
16) Methylene chloride	4.909	84	15913	6.224	ug/L	81
22) 2-Butanone	7.189	43	1034	2.223	ug/L	86
34) Trichloroethene	8.841	95	4637	2.046	ug/L	# 5
35) Methylcyclohexane	9.268	83	13517	3.615	ug/L	# 15
37) 1,2-Dichloropropane	9.274	63	6523	3.622	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	1908	0.672	ug/L	87
51) Chlorobenzene	11.658	112	169789	26.854	ug/L	91
52) Ethylbenzene	11.731	91	40806	3.781	ug/L	97
53) m,p-Xylene	11.835	106	18849	4.330	ug/L	98
54) o-Xylene	12.164	106	27808	6.730	ug/L	97
60) Isopropylbenzene	12.463	105	28904	3.025	ug/L	95
62) 1,3,5-Trimethylbenzene	12.938	105	31371	3.858	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	288097	35.916	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	6824	1.514	ug/L	89
65) 1,4-Dichlorobenzene	13.572	146	32492	7.256	ug/L	94
67) 1,2-Dichlorobenzene	13.871	146	41777	10.528	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.450	75	3721	17.626	ug/L	# 10
70) 1,2,4-trichlorobenzene	15.127	180	101861	37.593	ug/L	# 88

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Quant Title : SFAM01.0
QLast Update : Thu Dec 23 00:34:33 2021
Response via : Initial Calibration

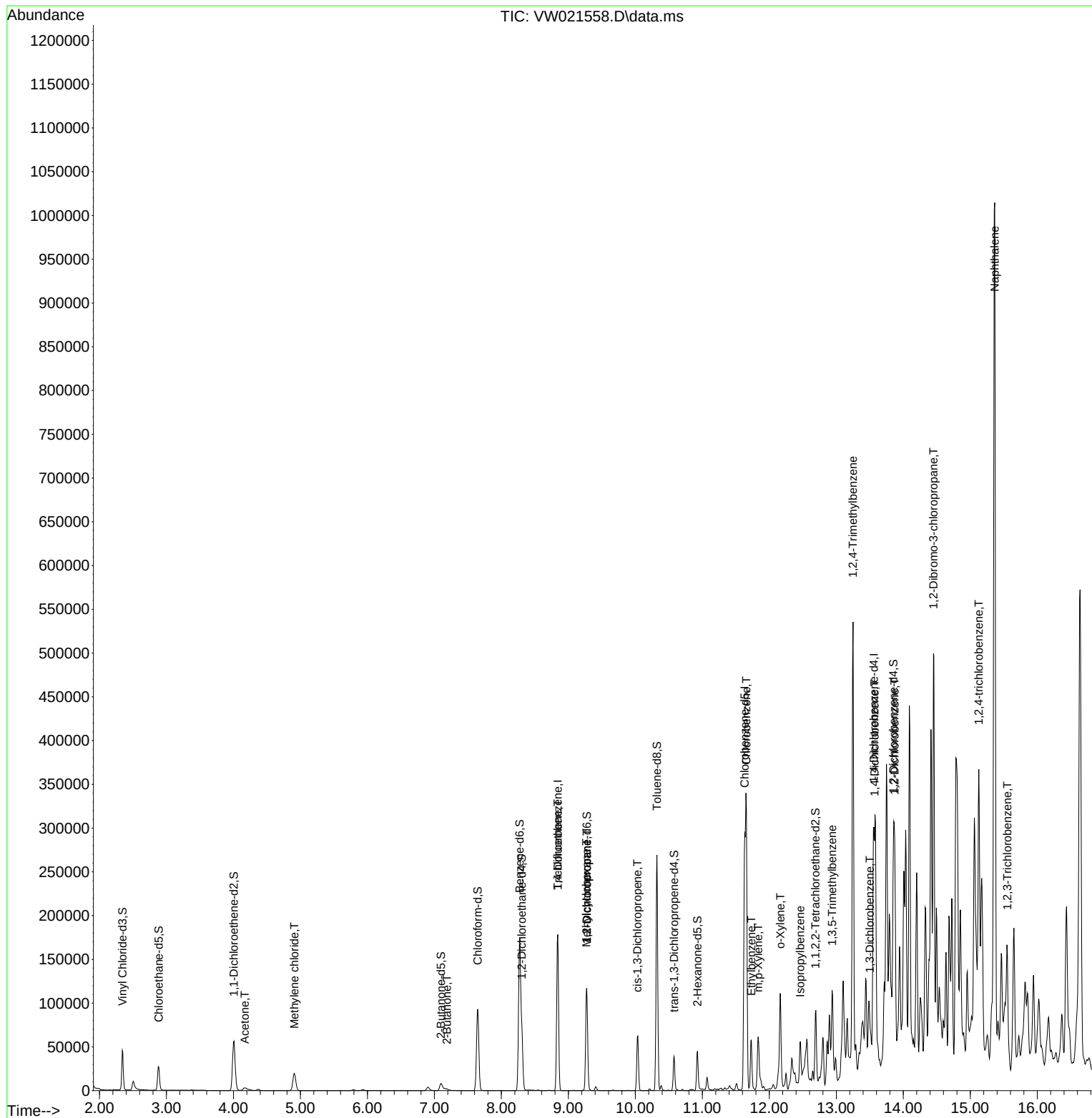
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	899305	204.289	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	28816	12.868	ug/L #	79

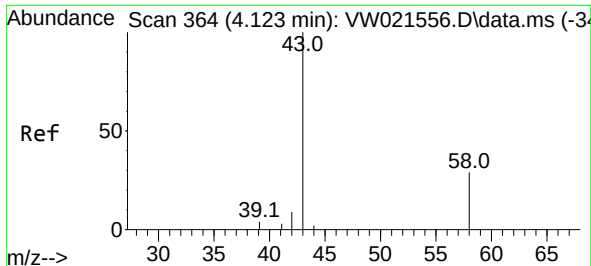
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 13.444 ug/L

RT: 4.171 min Scan# 3

Delta R.T. 0.049 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA_W

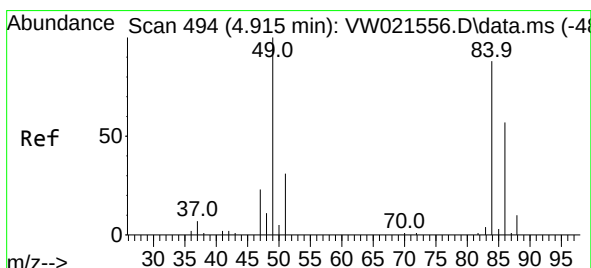
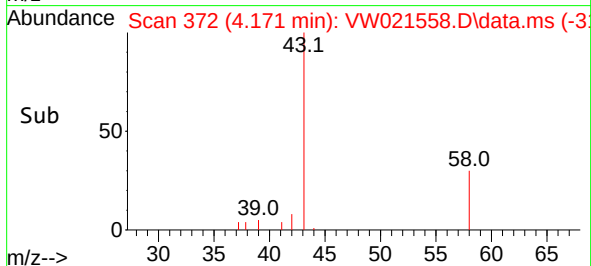
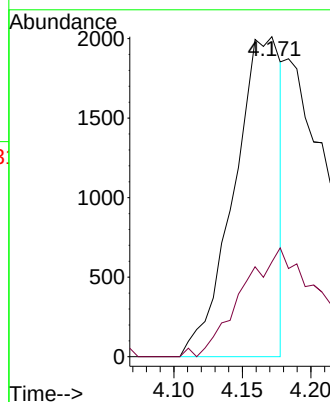
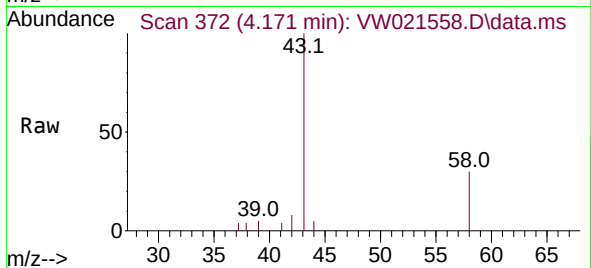
ClientSampleId :

Tgt Ion: 43 Resp: 4788

Ion Ratio Lower Upper

43 100

58 34.8 0.0 52.8



#16

Methylene chloride

Concen: 6.224 ug/L

RT: 4.909 min Scan# 493

Delta R.T. -0.006 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

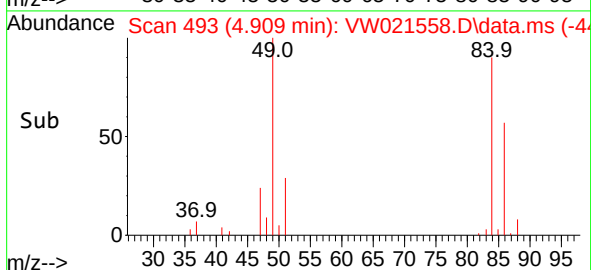
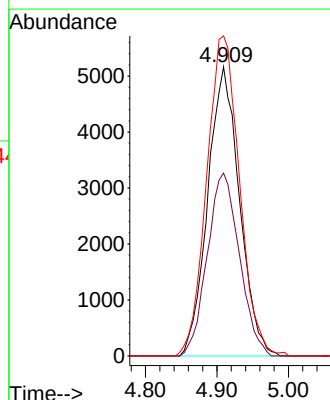
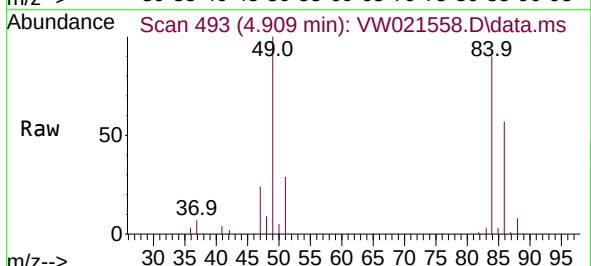
Tgt Ion: 84 Resp: 15913

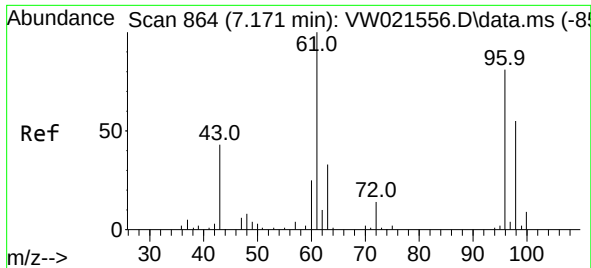
Ion Ratio Lower Upper

84 100

86 63.2 45.5 84.5

49 110.7 100.5 186.7

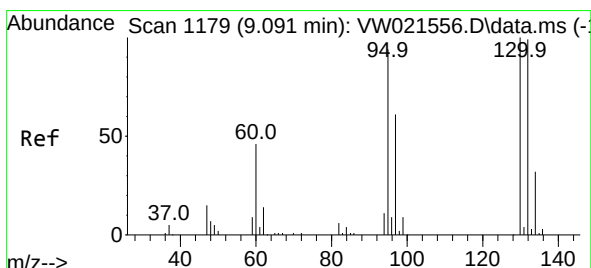
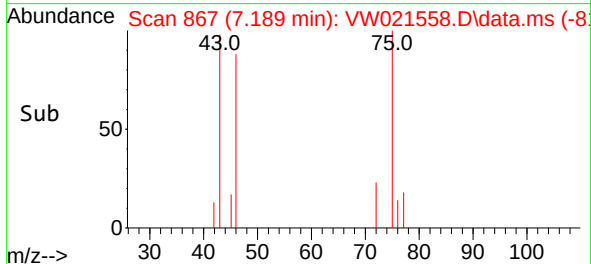
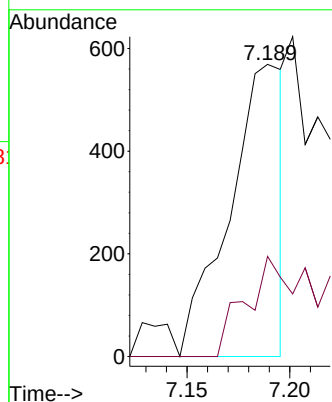
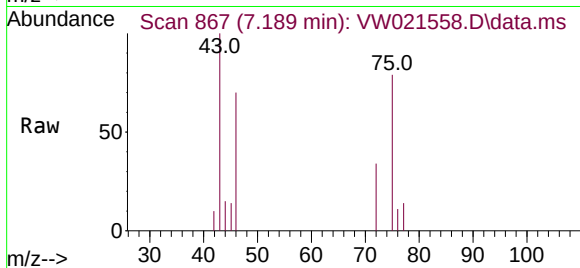




#22
2-Butanone
Concen: 2.223 ug/L
RT: 7.189 min Scan# 80
Delta R.T. 0.018 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

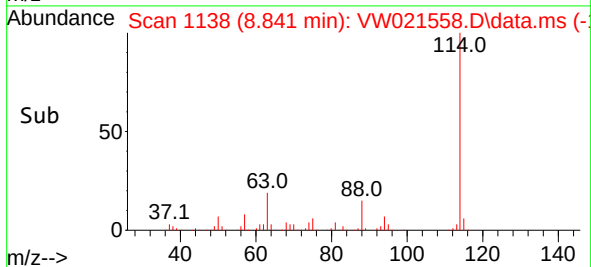
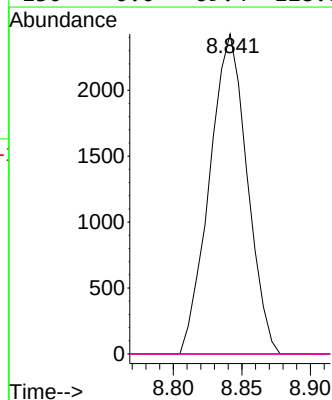
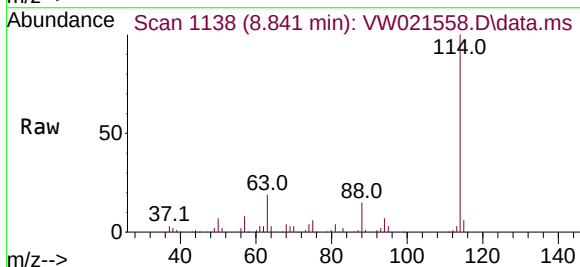
Instrument :
MSVOA_W
ClientSampleId :

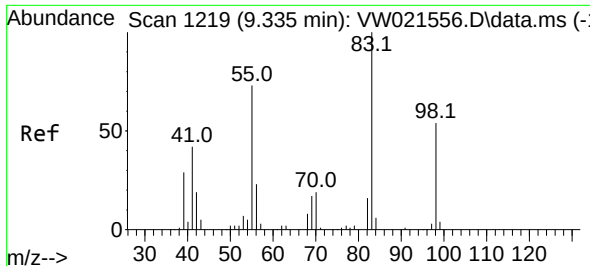
Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
72 16.7 11.8 35.4



#34
Trichloroethene
Concen: 2.046 ug/L
RT: 8.841 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

Tgt Ion: 95 Resp: 4637
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#

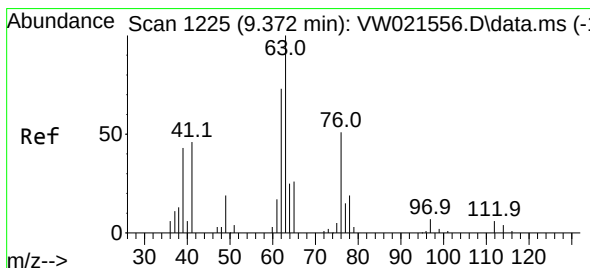
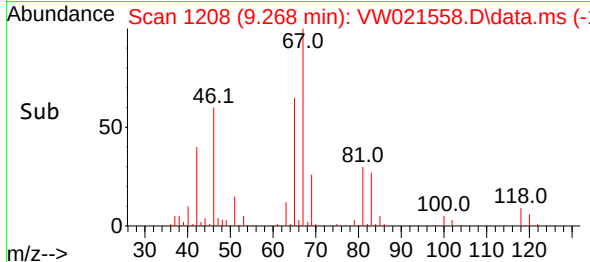
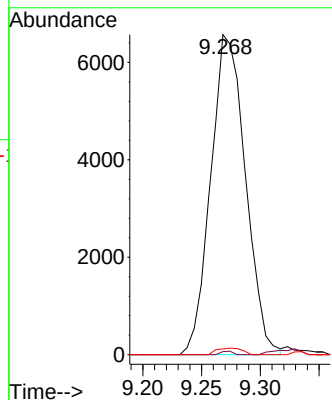
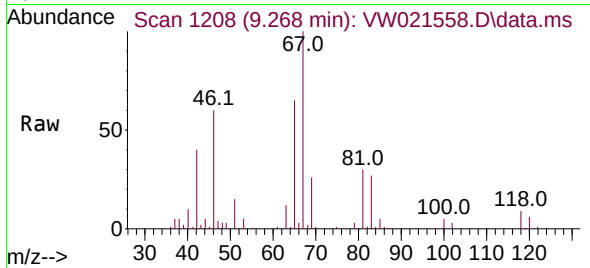




#35
Methylcyclohexane
Concen: 3.615 ug/L
RT: 9.268 min Scan# 11
Delta R.T. -0.067 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

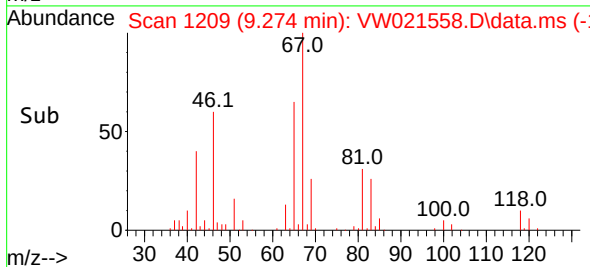
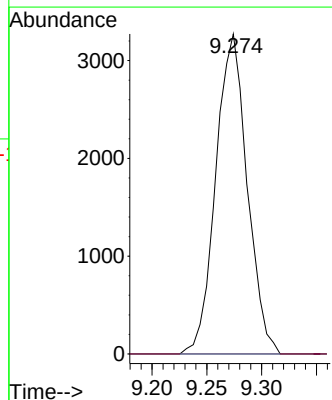
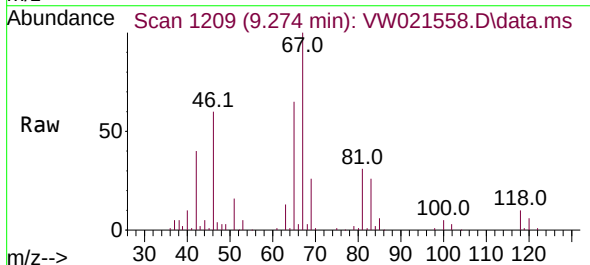
Instrument :
MSVOA_W
ClientSampleId :

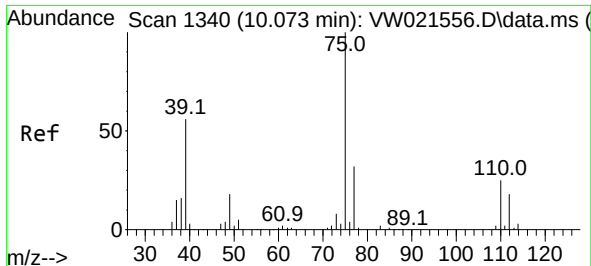
Tgt Ion: 83 Resp: 13517
Ion Ratio Lower Upper
83 100
55 0.4 70.8 106.2#
98 1.5 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 3.622 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

Tgt Ion: 63 Resp: 6523
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.672 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA_W

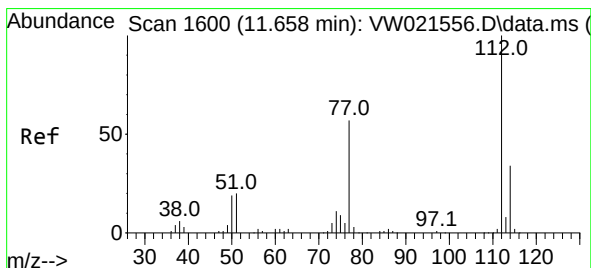
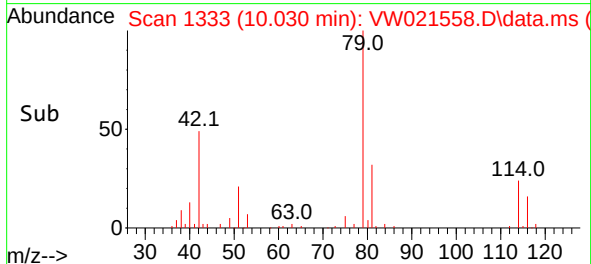
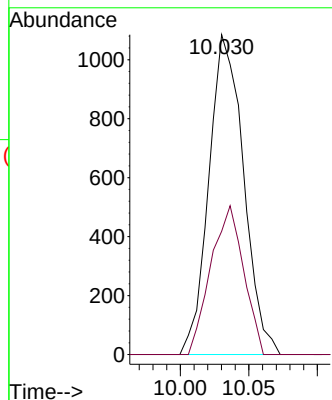
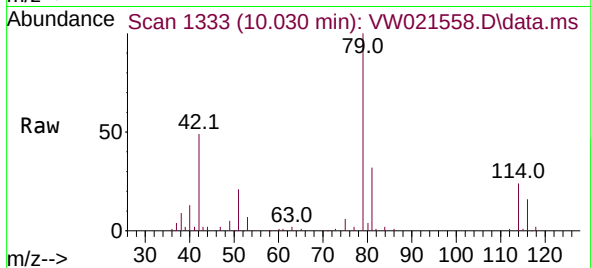
ClientSampleId :

Tgt Ion: 75 Resp: 1908

Ion Ratio Lower Upper

75 100

77 38.5 21.8 40.6



#51

Chlorobenzene

Concen: 26.854 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

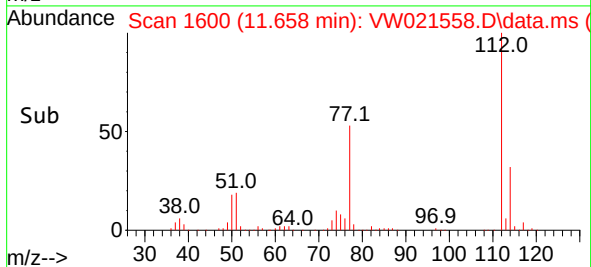
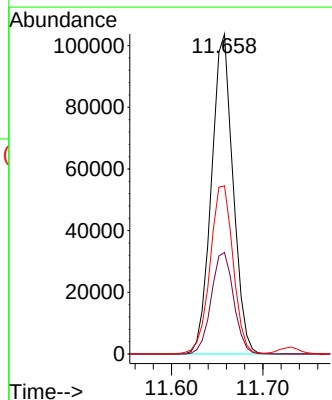
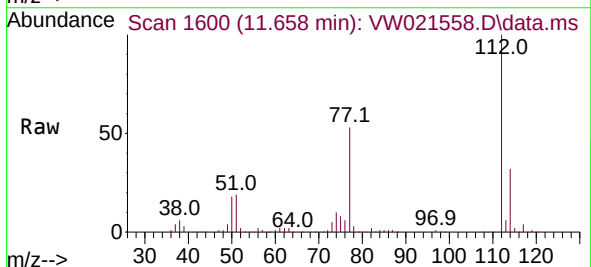
Tgt Ion: 112 Resp: 169789

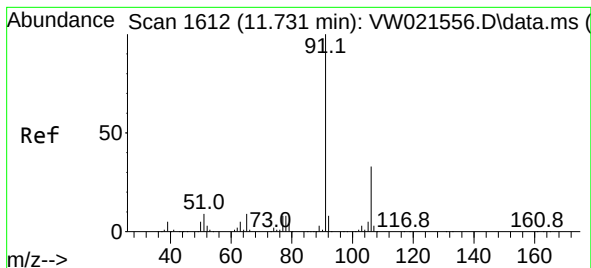
Ion Ratio Lower Upper

112 100

114 31.7 22.4 41.6

77 52.6 50.2 75.4

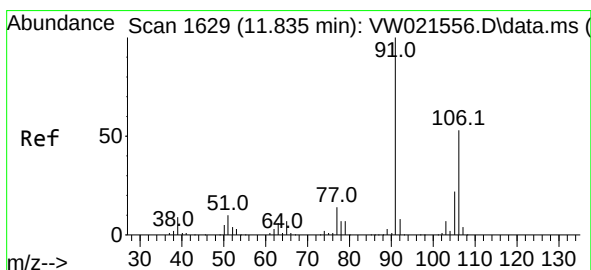
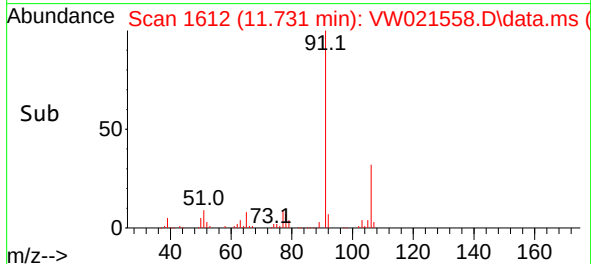
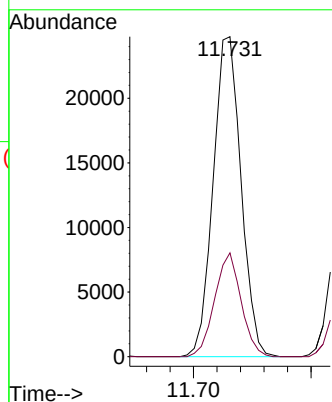
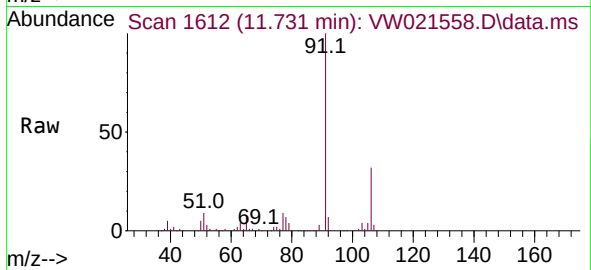




#52
Ethylbenzene
Concen: 3.781 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

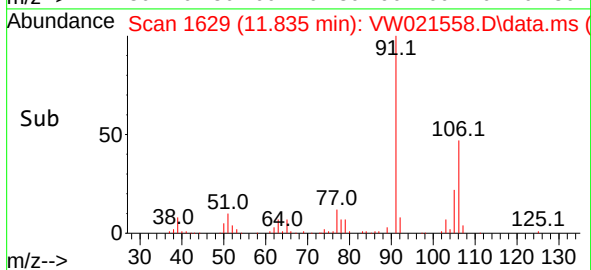
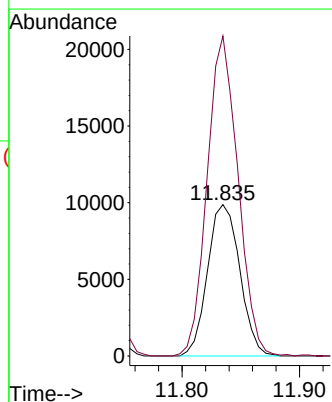
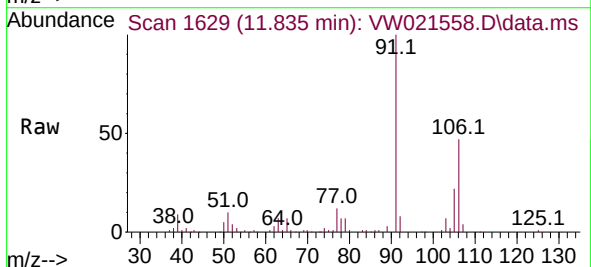
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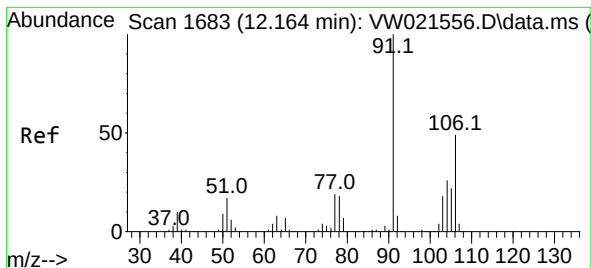
Tgt Ion: 91 Resp: 40806
Ion Ratio Lower Upper
91 100
106 32.4 21.5 39.9



#53
m,p-Xylene
Concen: 4.330 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

Tgt Ion: 106 Resp: 18849
Ion Ratio Lower Upper
106 100
91 211.3 149.9 278.3





#54

o-Xylene

Concen: 6.730 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA_W

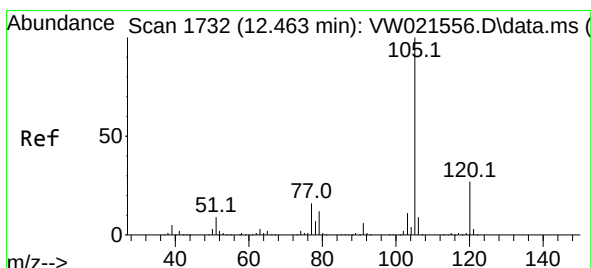
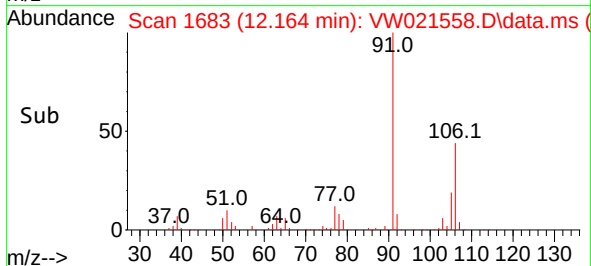
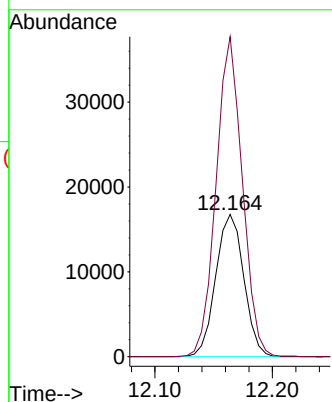
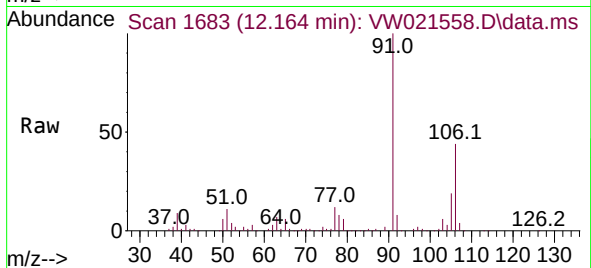
ClientSampleId :

Tgt Ion:106 Resp: 27808

Ion Ratio Lower Upper

106 100

91 225.1 153.6 285.3



#60

Isopropylbenzene

Concen: 3.025 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

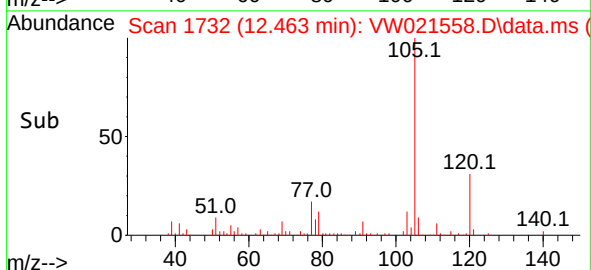
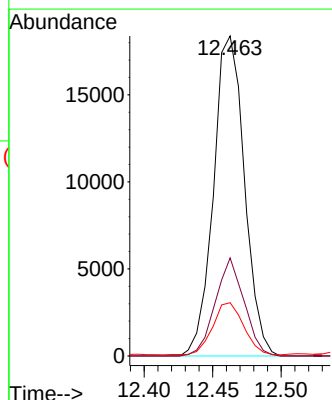
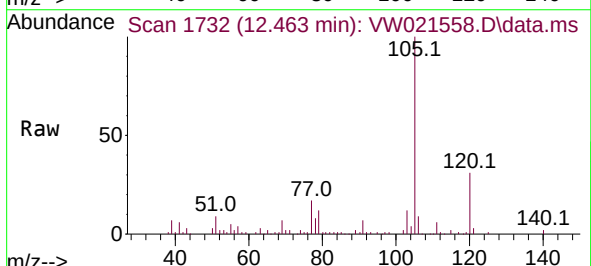
Tgt Ion:105 Resp: 28904

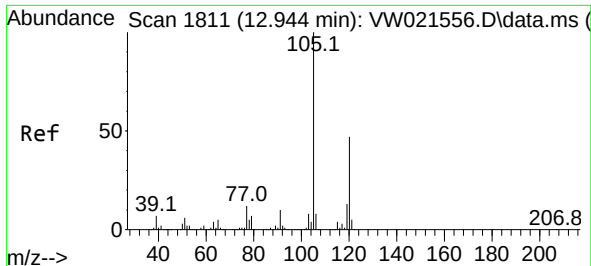
Ion Ratio Lower Upper

105 100

120 28.5 20.1 30.1

77 16.1 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 3.858 ug/L

RT: 12.938 min Scan# 1811

Delta R.T. -0.006 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA_W

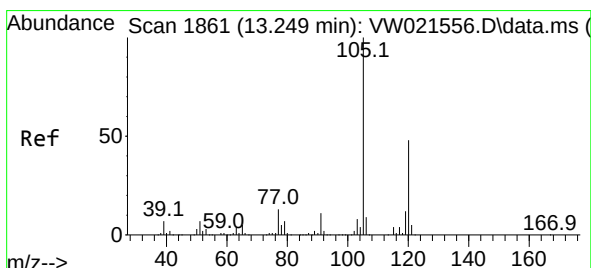
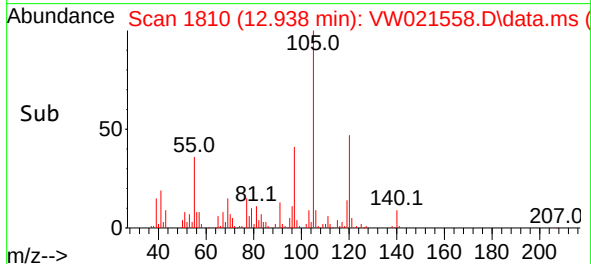
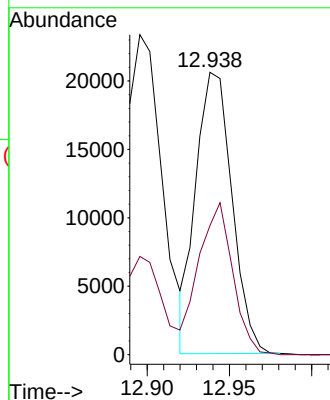
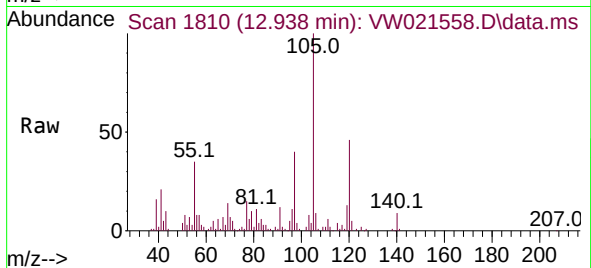
ClientSampleId :

Tgt Ion:105 Resp: 31371

Ion Ratio Lower Upper

105 100

120 50.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 35.916 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021558.D

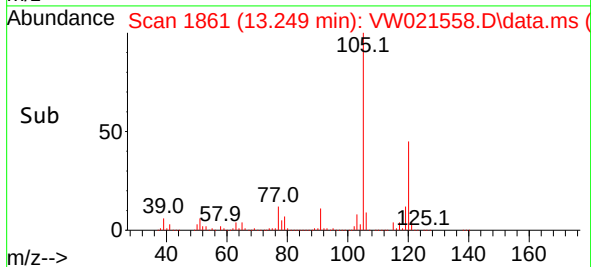
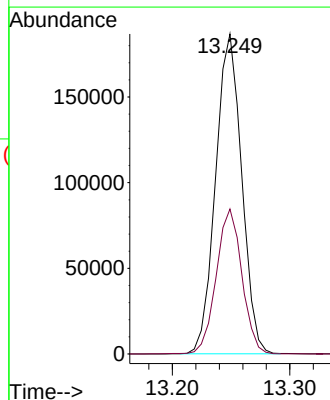
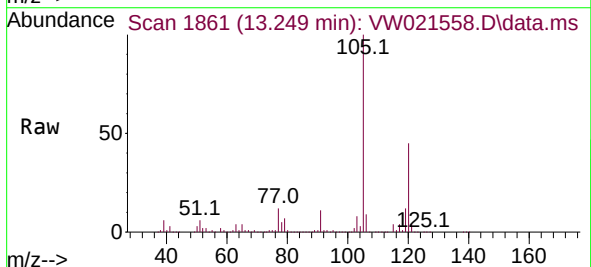
Acq: 22 Dec 2021 13:13

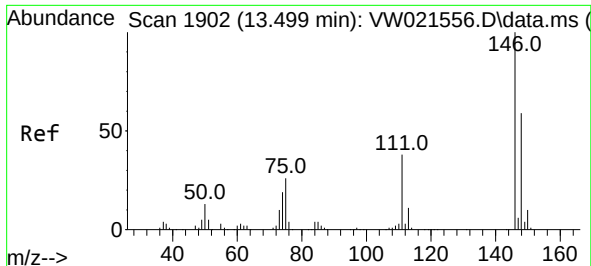
Tgt Ion:105 Resp: 288097

Ion Ratio Lower Upper

105 100

120 44.5 35.0 52.6

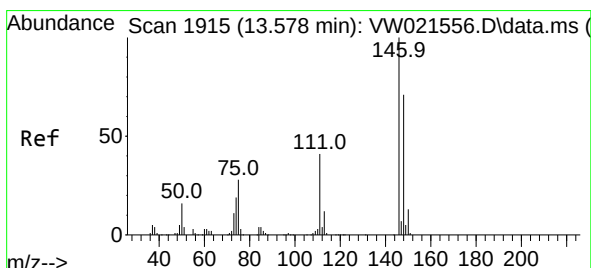
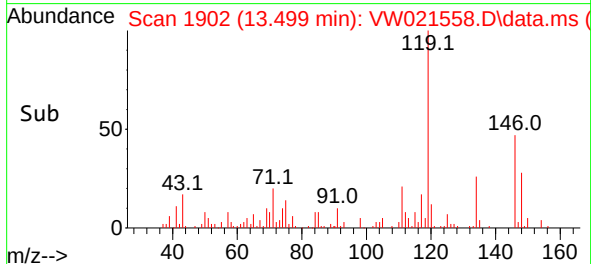
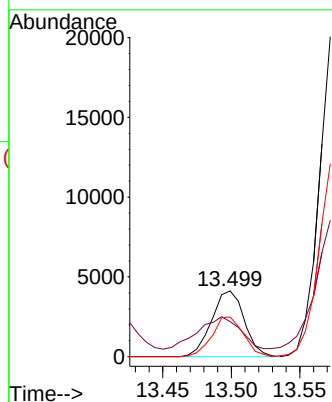
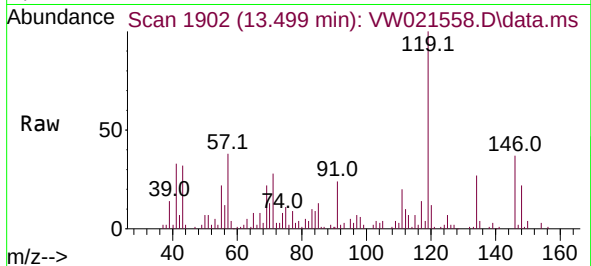




#64
1,3-Dichlorobenzene
Concen: 1.514 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

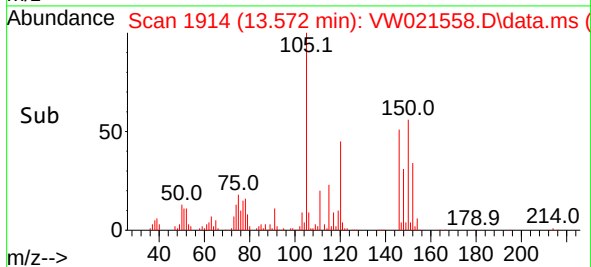
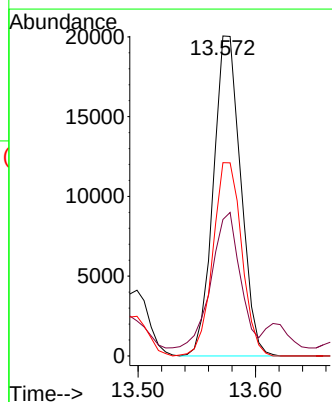
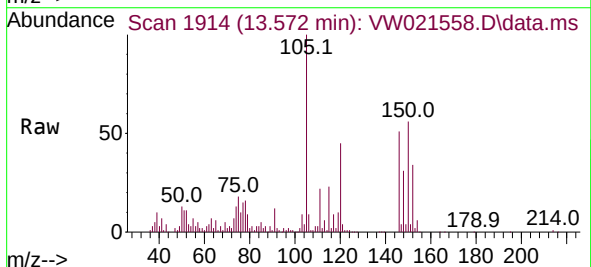
Instrument :
MSVOA_W
ClientSampleId :

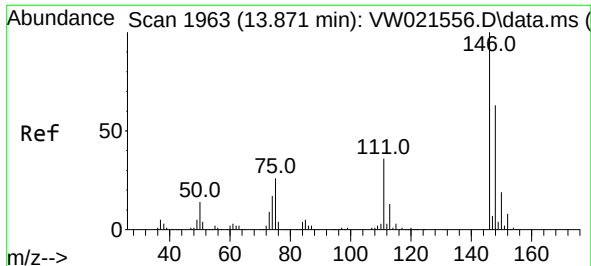
Tgt Ion:146 Resp: 6824
Ion Ratio Lower Upper
146 100
111 53.3 29.8 55.3
148 60.2 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 7.256 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

Tgt Ion:146 Resp: 32492
Ion Ratio Lower Upper
146 100
111 42.7 29.0 53.9
148 60.4 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 10.528 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA_W

ClientSampleId :

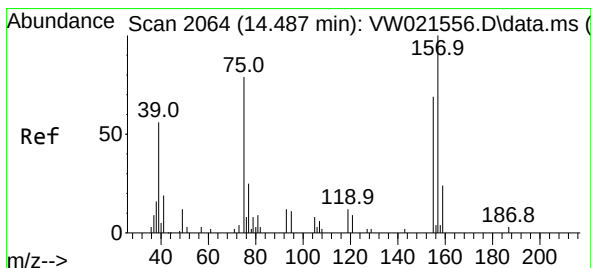
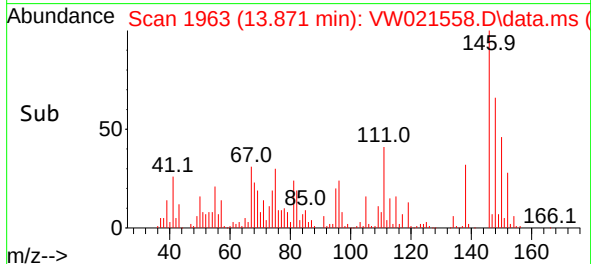
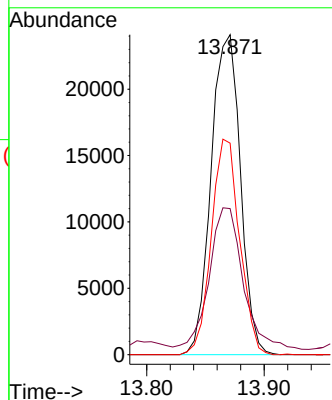
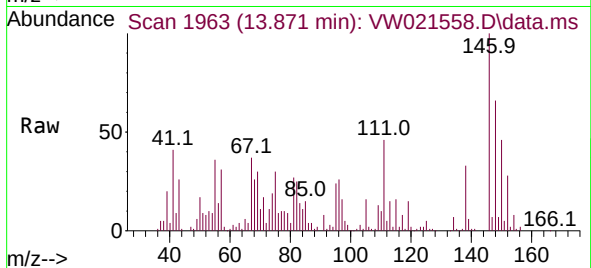
Tgt Ion:146 Resp: 41777

Ion Ratio Lower Upper

146 100

111 45.7 33.1 49.7

148 66.1 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 17.626 ug/L

RT: 14.450 min Scan# 2058

Delta R.T. -0.037 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

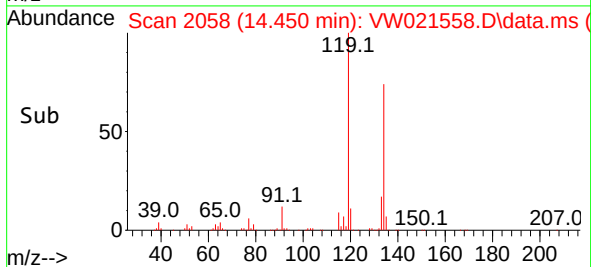
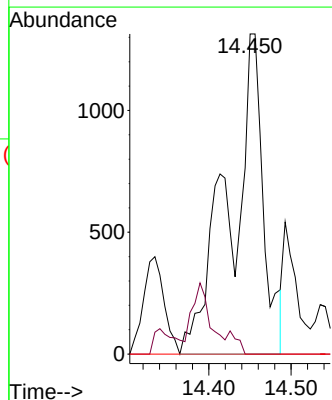
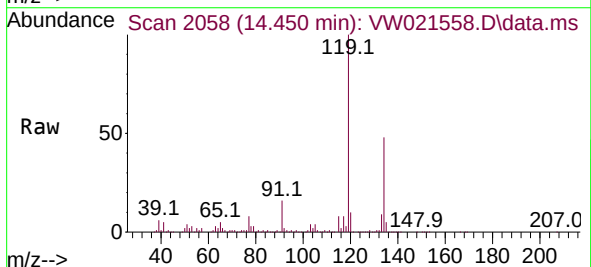
Tgt Ion: 75 Resp: 3721

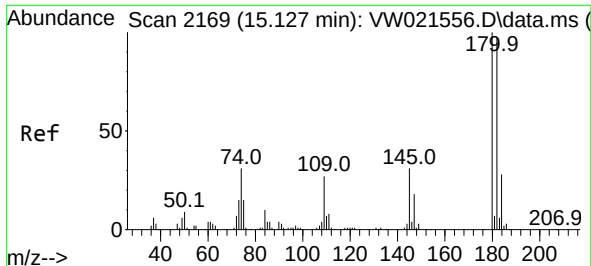
Ion Ratio Lower Upper

75 100

155 0.0 54.2 81.2#

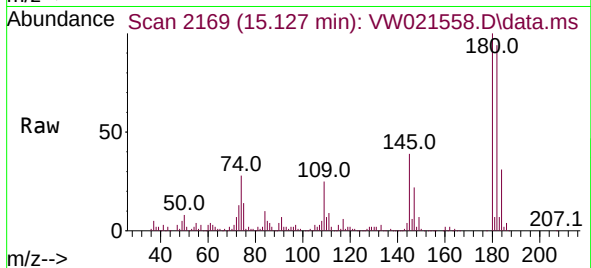
157 0.0 69.4 104.2#



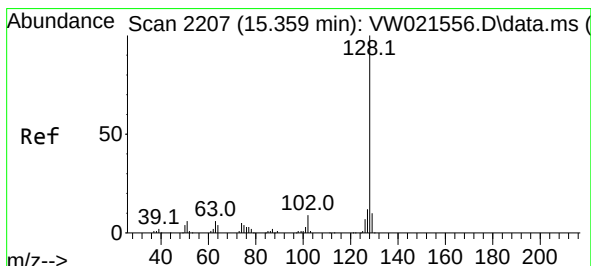
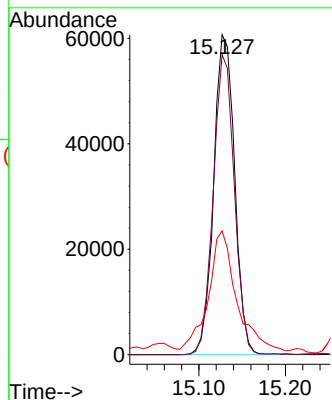
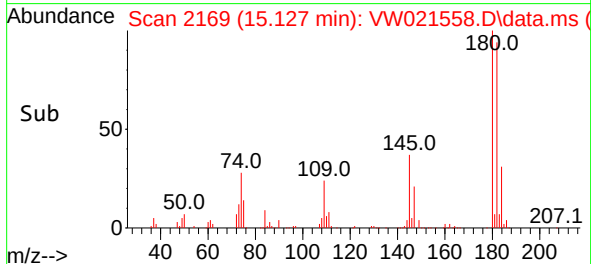


#70
1,2,4-trichlorobenzene
Concen: 37.593 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13

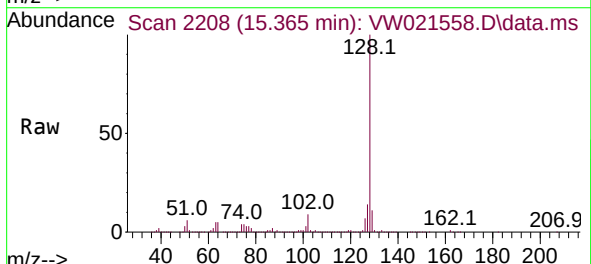
Instrument :
MSVOA_W
ClientSampleId :



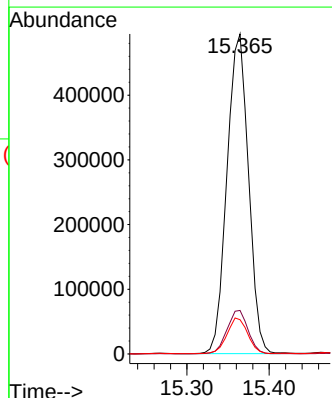
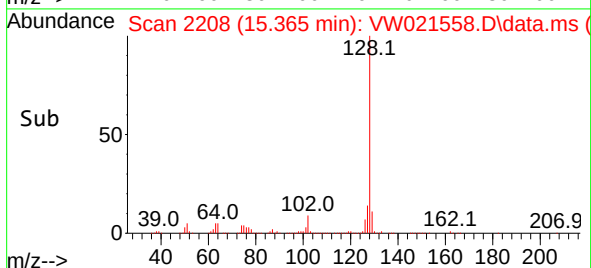
Tgt Ion:180 Resp: 101861
Ion Ratio Lower Upper
180 100
182 94.6 79.0 118.6
145 51.6 26.0 39.0#

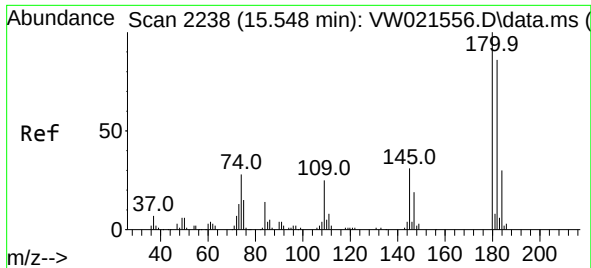


#71
Naphthalene
Concen: 204.289 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW021558.D
Acq: 22 Dec 2021 13:13



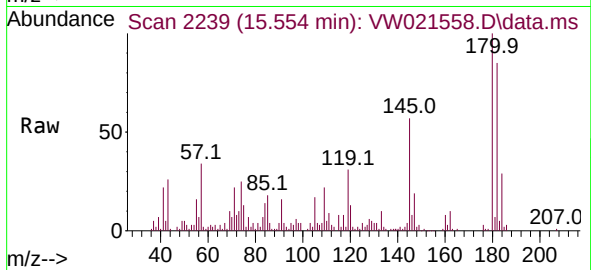
Tgt Ion:128 Resp: 899305
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 12.868 ug/L
 RT: 15.554 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW021558.D
 Acq: 22 Dec 2021 13:13

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 28816
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.6 114.8
 145 70.3 27.4 41.0#

