

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011422\
 Data File : VW021907.D
 Acq On : 14 Jan 2022 12:28
 Operator : SY/VA
 Sample : N1115-17
 Misc : 6.32g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLS7

Quant Time: Jan 17 00:45:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jan 17 00:44:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	53257	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	51510	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	27402	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	9544	9.642	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.560%
7) Chloroethane-d5	2.885	69	10421	11.658	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.640%
11) 1,1-Dichloroethene-d2	4.013	63	14492	9.273	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	37.080%#
21) 2-Butanone-d5	7.074	46	15412	110.310	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	220.620%#
24) Chloroform-d	7.653	84	40006	23.252	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	8.305	65	26091	31.403	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.600%
32) Benzene-d6	8.275	84	66226	19.814	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.240%
36) 1,2-Dichloropropane-d6	9.274	67	24099	27.356	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.440%
41) Toluene-d8	10.323	98	64181	19.049	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	10.579	79	9067	24.241	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.960%
47) 2-Hexanone-d5	10.921	63	12842	107.430	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	214.860%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	33292	48.328	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	193.320%#
66) 1,2-Dichlorobenzene-d4	13.859	152	29210	25.925	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.680%
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	9102	78.853	ug/L	89
14) Carbon disulfide	4.379	76	6325	3.039	ug/L	100
22) 2-Butanone	7.177	43	2542	17.229	ug/L	# 76
25) Chloroform	7.628	83	61624	41.345	ug/L	# 19
29) Cyclohexane	7.927	56	4923	4.272	ug/L	# 1
33) Benzene	8.323	78	3644	1.154	ug/L	100
35) Methylcyclohexane	9.335	83	40040	26.571	ug/L	90
39) cis-1,3-Dichloropropene	10.030	75	714	0.668	ug/L	# 38
40) 4-Methyl-2-pentanone	10.207	43	977	3.023	ug/L	# 77
42) Toluene	10.390	91	20386	5.755	ug/L	98
45) 1,1,2-Trichloroethane	10.762	97	25819	44.195	ug/L	# 25
48) 2-Hexanone	10.994	43	1463	6.615	ug/L	# 41
51) Chlorobenzene	11.658	112	3424	1.369	ug/L	90
52) Ethylbenzene	11.731	91	510028	129.604	ug/L	93
53) m,p-Xylene	11.841	106	117803	71.589	ug/L	78
54) o-Xylene	12.164	106	20597	13.483	ug/L	95
55) Styrene	12.170	104	2352	0.933	ug/L	# 1
57) 1,1,2,2-Tetrachloroethane	12.695	83	18009	28.651	ug/L	# 1
60) Isopropylbenzene	12.463	105	2372864	635.902	ug/L	93

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

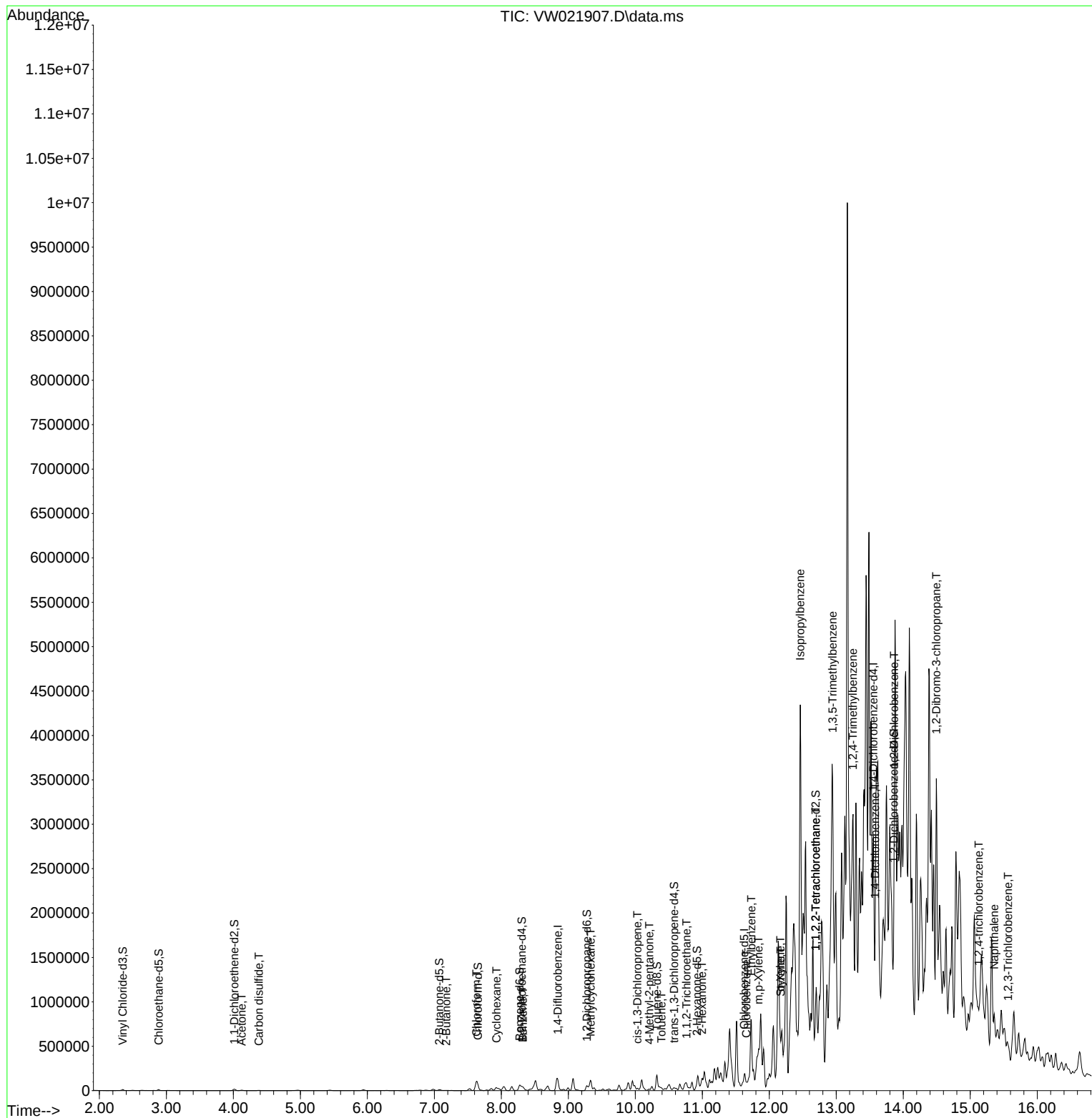
62) 1,3,5-Trimethylbenzene	12.945	105	128874	41.707	ug/L	91
63) 1,2,4-Trimethylbenzene	13.249	105	1120136	367.558	ug/L	91
65) 1,4-Dichlorobenzene	13.579	146	8357	4.511	ug/L #	1
67) 1,2-Dichlorobenzene	13.865	146	2549	1.552	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.493	75	2299	30.401	ug/L #	40
70) 1,2,4-trichlorobenzene	15.127	180	8018	7.217	ug/L #	1
71) Naphthalene	15.359	128	286284	167.036	ug/L	98
72) 1,2,3-Trichlorobenzene	15.566	180	3212	3.501	ug/L #	12

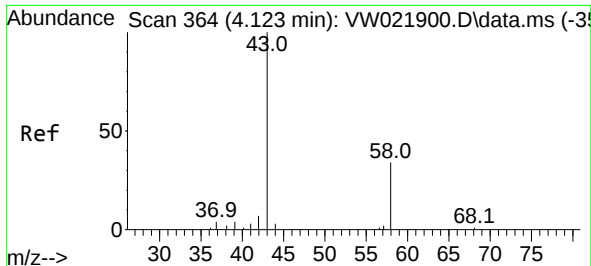
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 78.853 ug/L

RT: 4.123 min Scan# 30

Delta R.T. 0.000 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Instrument :

MSVOA_W

ClientSampleId :

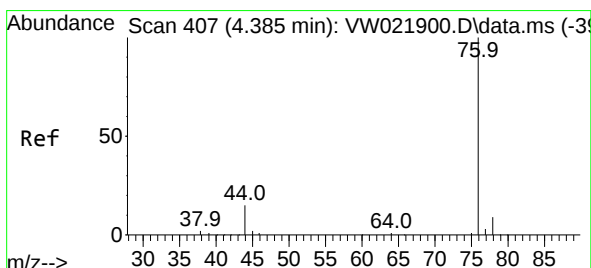
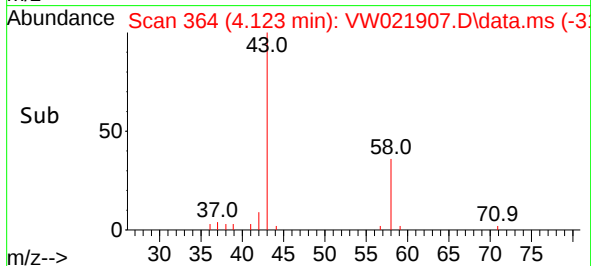
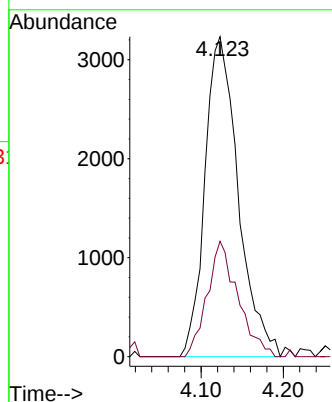
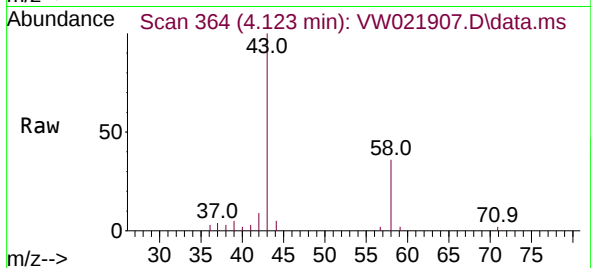
BGLS7

Tgt Ion: 43 Resp: 9102

Ion Ratio Lower Upper

43 100

58 31.9 0.0 52.8



#14

Carbon disulfide

Concen: 3.039 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021907.D

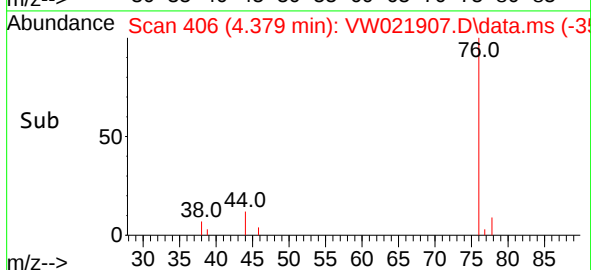
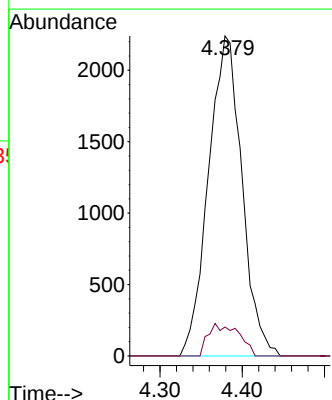
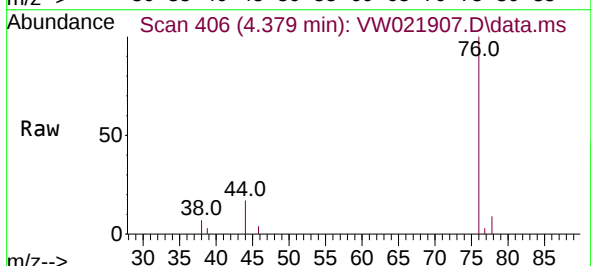
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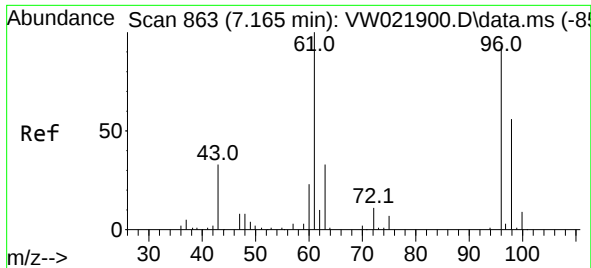
Tgt Ion: 76 Resp: 6325

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

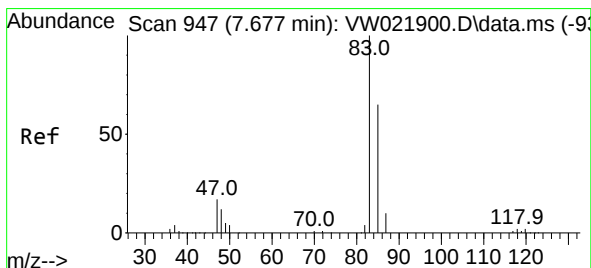
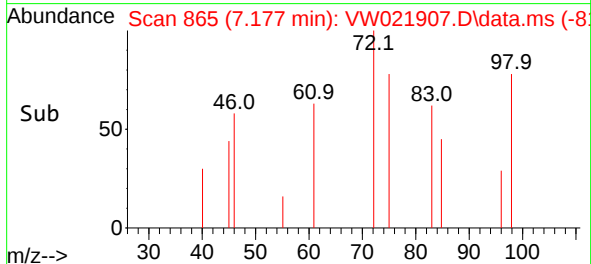
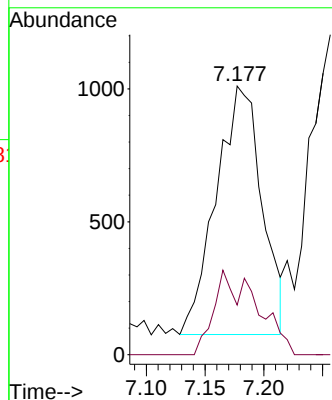
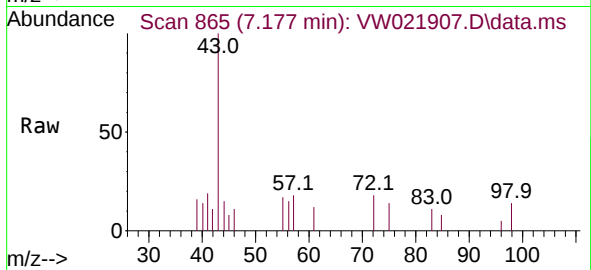




#22
2-Butanone
Concen: 17.229 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

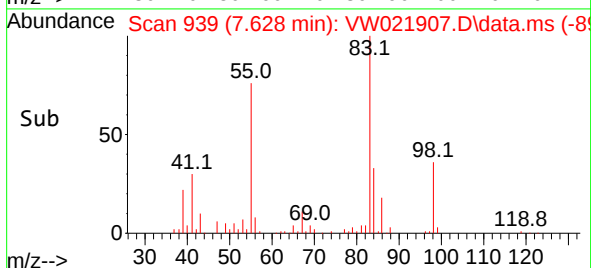
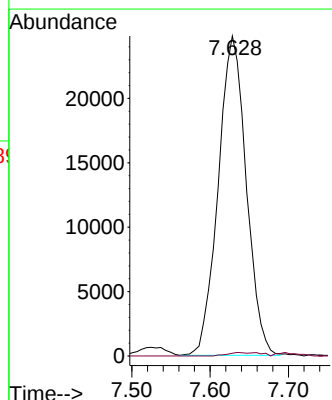
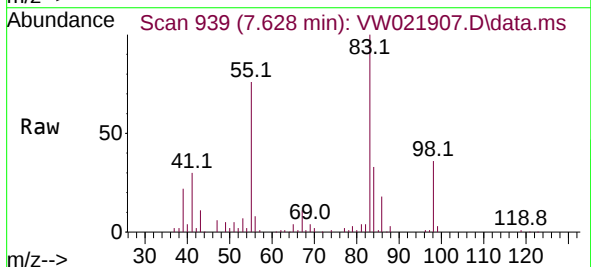
Instrument :
MSVOA_W
ClientSampleId :
BGLS7

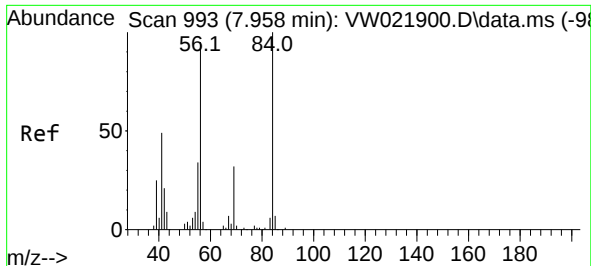
Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
72 11.6 11.8 35.4#



#25
Chloroform
Concen: 41.345 ug/L
RT: 7.628 min Scan# 939
Delta R.T. -0.049 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

Tgt Ion: 83 Resp: 61624
Ion Ratio Lower Upper
83 100
85 0.9 45.1 83.7#





#29

Cyclohexane

Concen: 4.272 ug/L

RT: 7.927 min Scan# 91

Delta R.T. -0.030 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Instrument :

MSVOA_W

ClientSampleId :

BGLS7

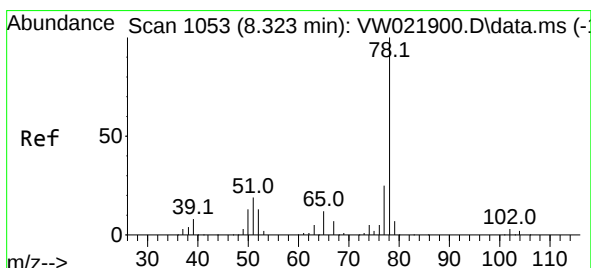
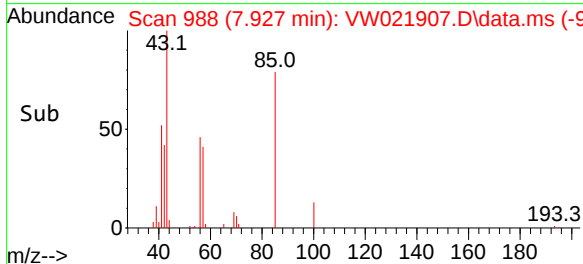
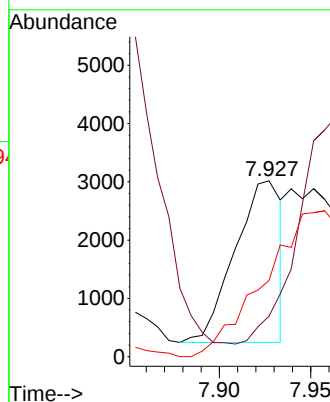
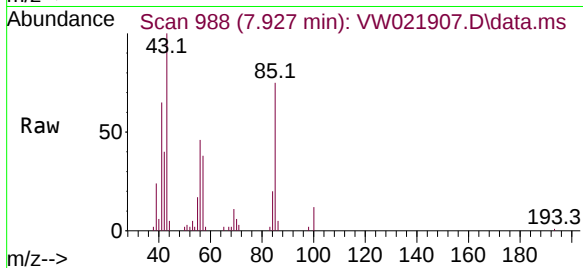
Tgt Ion: 56 Resp: 4923

Ion Ratio Lower Upper

56 100

69 241.5 23.5 35.3#

84 172.5 63.4 95.2#



#33

Benzene

Concen: 1.154 ug/L

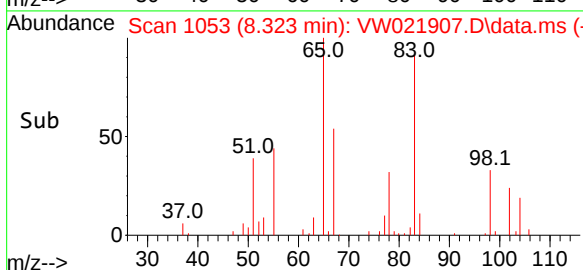
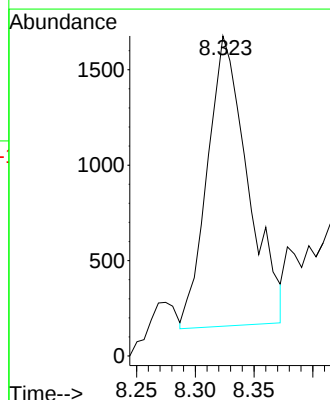
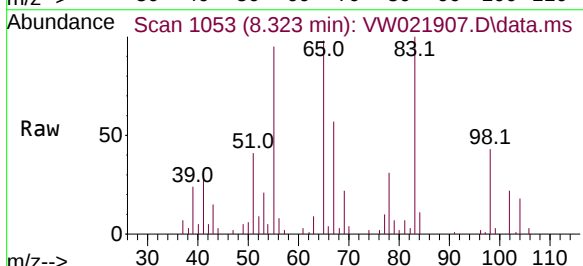
RT: 8.323 min Scan# 1053

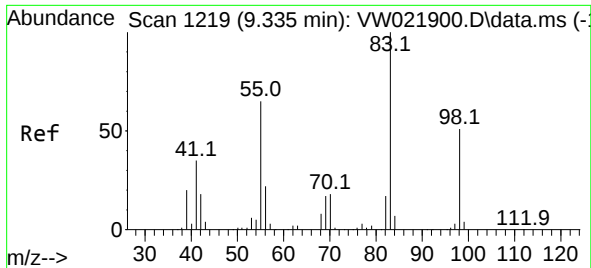
Delta R.T. 0.000 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Tgt Ion: 78 Resp: 3644

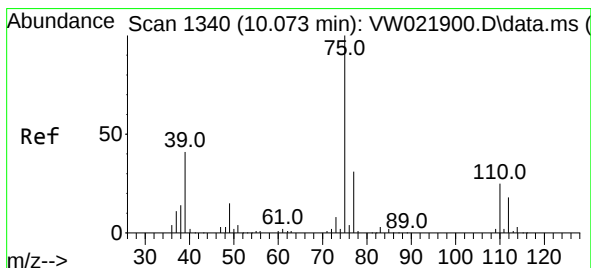
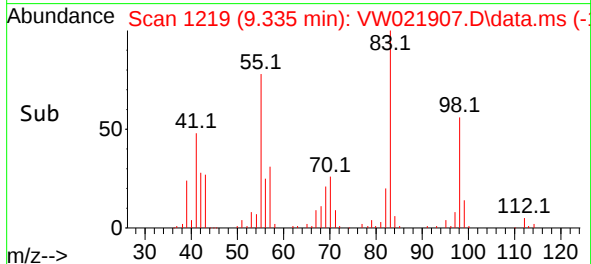
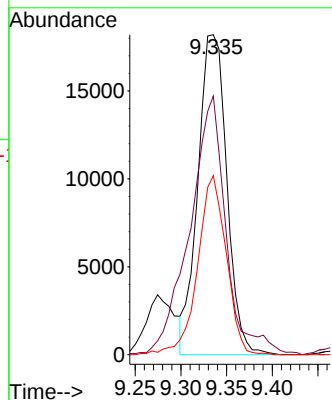
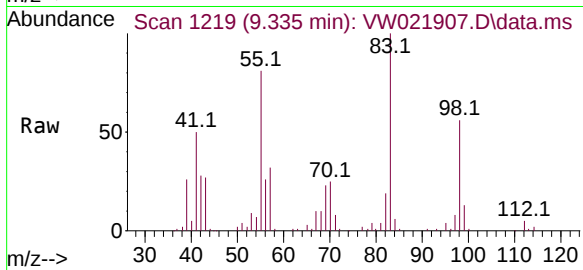




#35
Methylcyclohexane
Concen: 26.571 ug/L
RT: 9.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

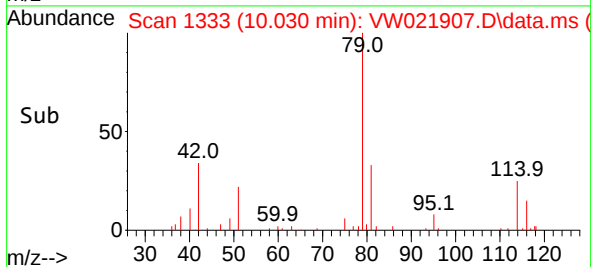
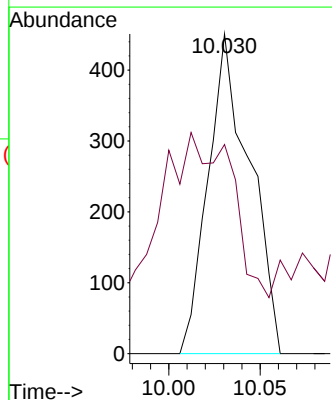
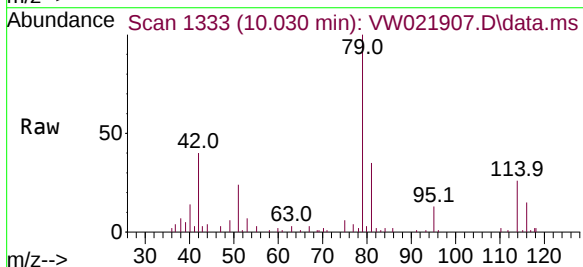
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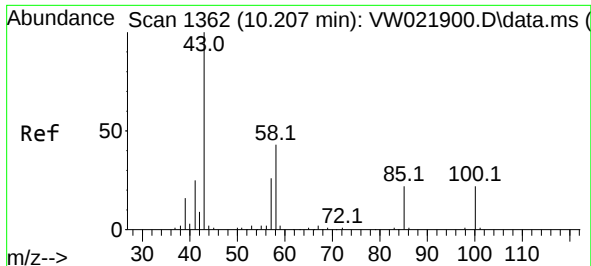
Tgt Ion: 83 Resp: 40040
Ion Ratio Lower Upper
83 100
55 96.4 70.8 106.2
98 55.3 37.7 56.5



#39
cis-1,3-Dichloropropene
Concen: 0.668 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

Tgt Ion: 75 Resp: 714
Ion Ratio Lower Upper
75 100
77 65.4 21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 3.023 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Instrument :

MSVOA_W

ClientSampleId :

BGLS7

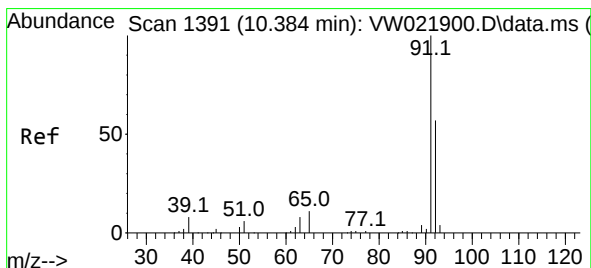
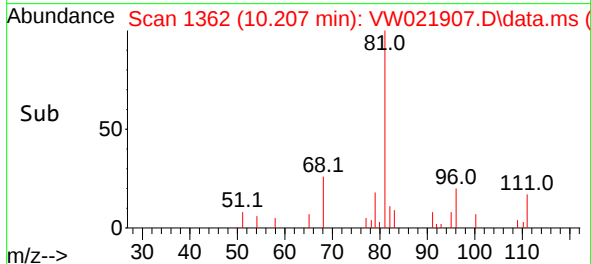
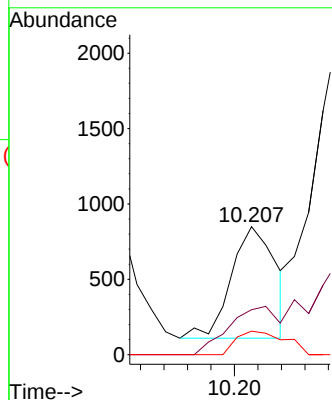
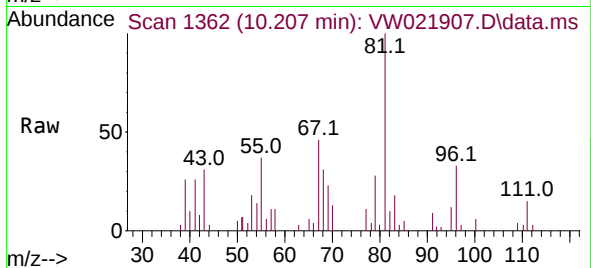
Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

43 100

58 48.4 28.8 43.2#

100 23.0 10.0 15.0#



#42

Toluene

Concen: 5.755 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW021907.D

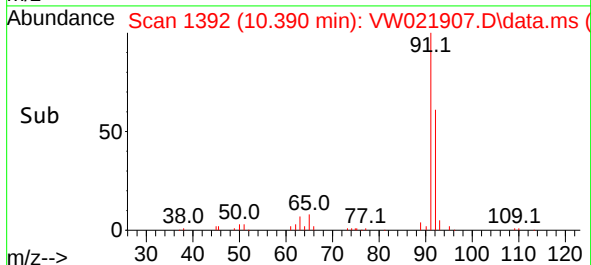
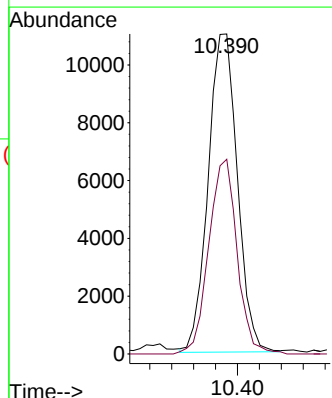
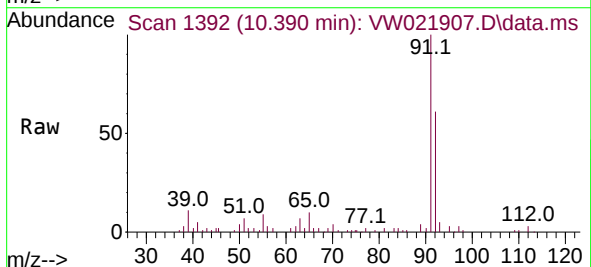
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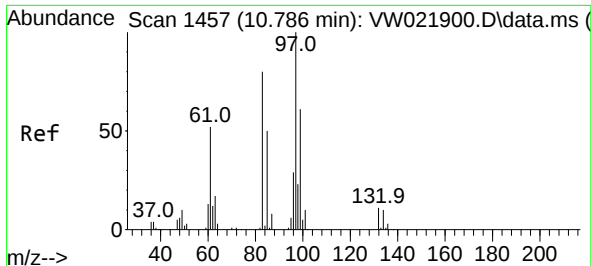
Tgt Ion: 91 Resp: 20386

Ion Ratio Lower Upper

91 100

92 60.9 41.7 77.5

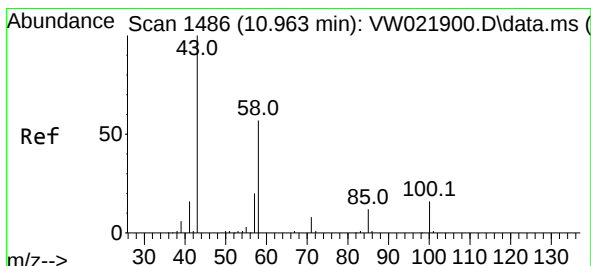
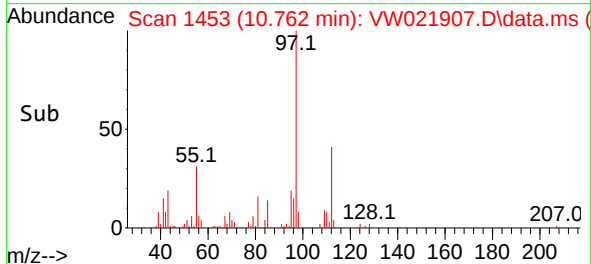
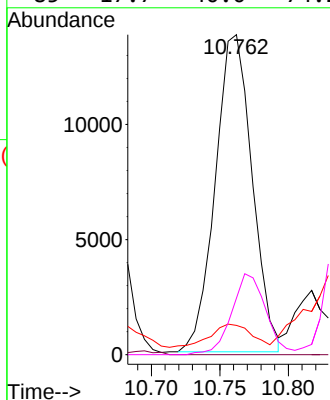
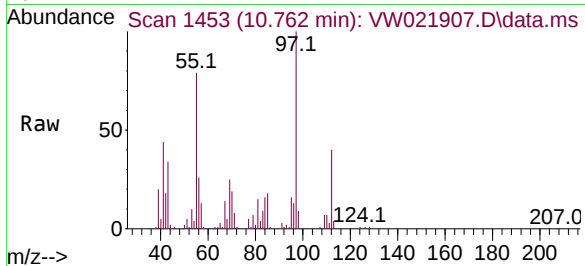




#45
1,1,2-Trichloroethane
Concen: 44.195 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021907.D
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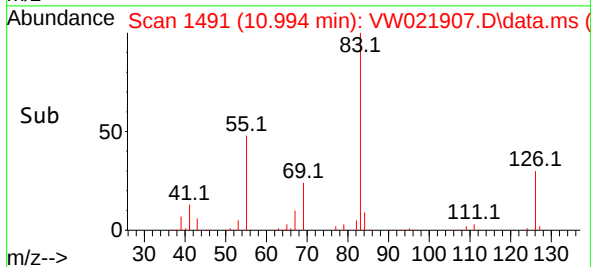
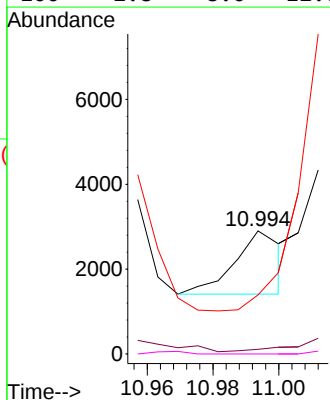
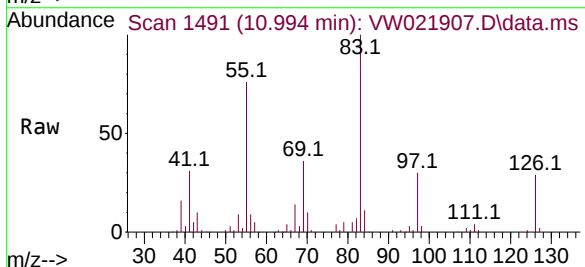
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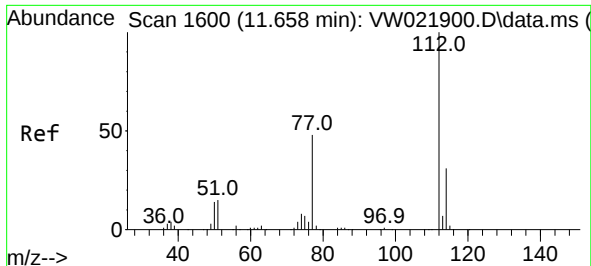
Tgt Ion:	97	Resp:	25819
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.0	79.8#
83	9.1	62.6	116.3#
85	17.7	40.0	74.2#



#48
2-Hexanone
Concen: 6.615 ug/L
RT: 10.994 min Scan# 1491
Delta R.T. 0.031 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

Tgt Ion:	43	Resp:	1463
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.2	60.2#
57	0.0	14.3	21.5#
100	2.8	8.0	12.0#

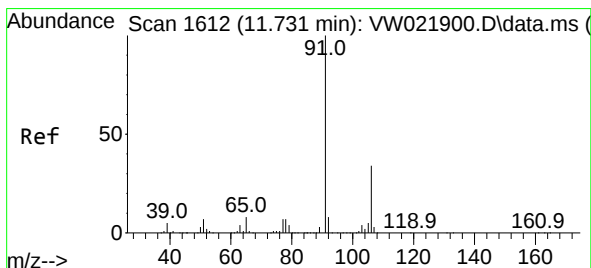
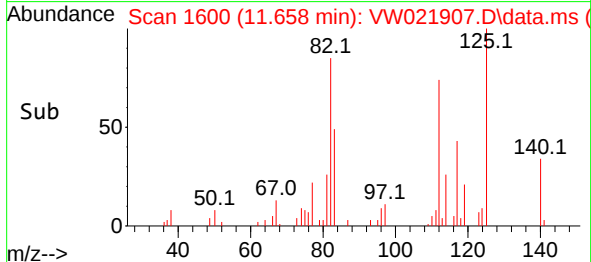
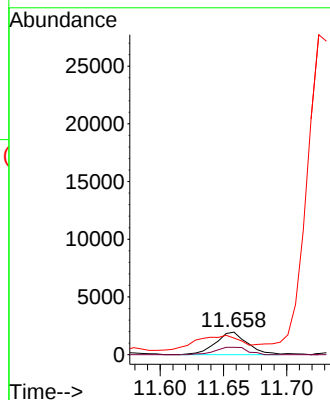
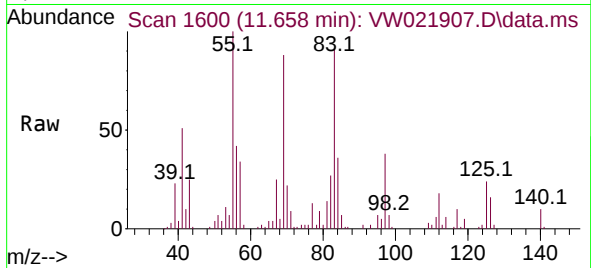




#51
Chlorobenzene
Concen: 1.369 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

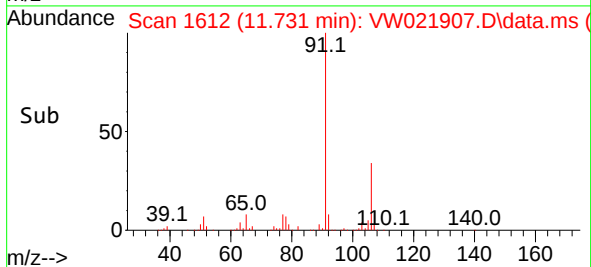
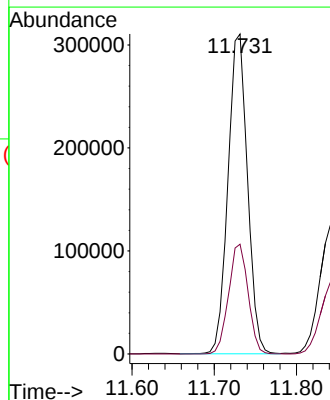
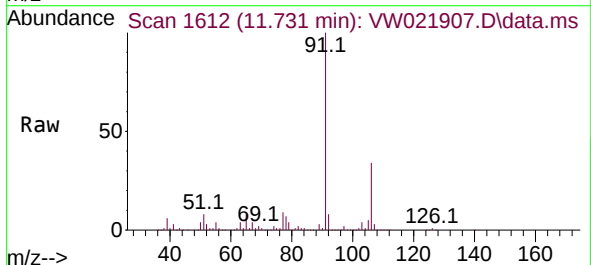
Instrument :
MSVOA_W
ClientSampleId :
BGLS7

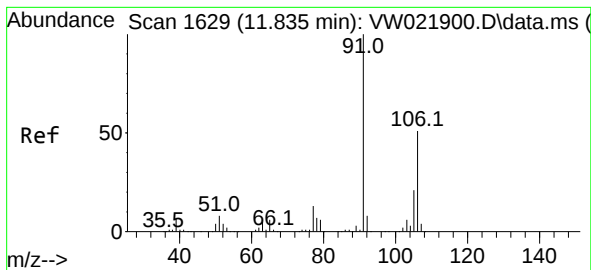
Tgt Ion:112 Resp: 3424
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 74.2 50.2 75.4



#52
Ethylbenzene
Concen: 129.604 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

Tgt Ion: 91 Resp: 510028
Ion Ratio Lower Upper
91 100
106 34.3 21.5 39.9





#53

m,p-Xylene

Concen: 71.589 ug/L

RT: 11.841 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Instrument :

MSVOA_W

ClientSampleId :

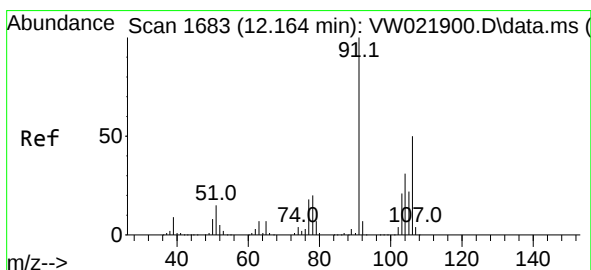
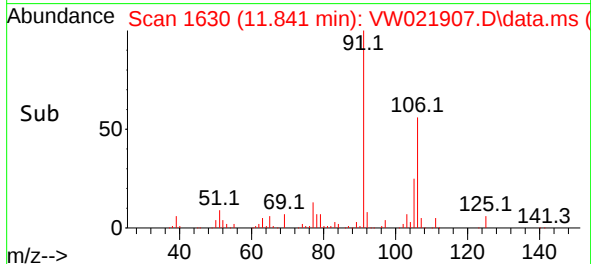
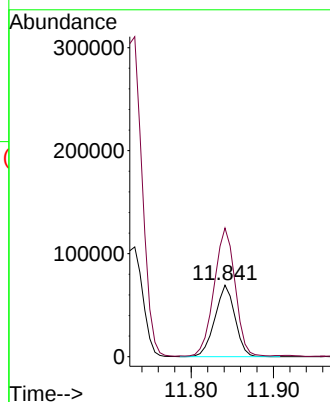
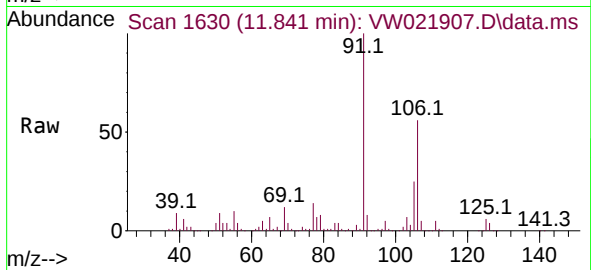
BGLS7

Tgt Ion:106 Resp: 117803

Ion Ratio Lower Upper

106 100

91 180.1 149.9 278.3



#54

o-Xylene

Concen: 13.483 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VW021907.D

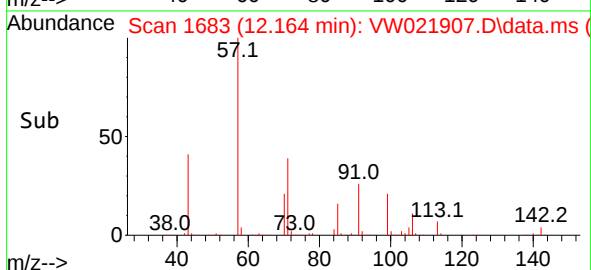
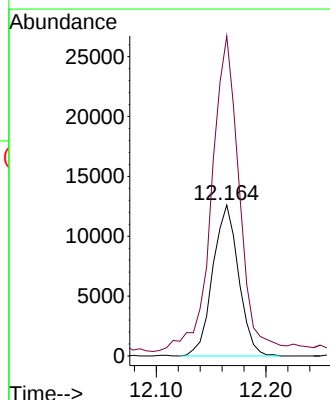
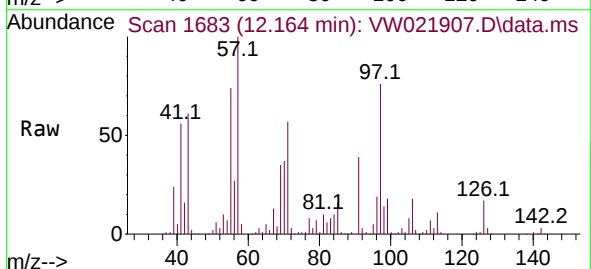
Acq: 14 Jan 2022 12:28

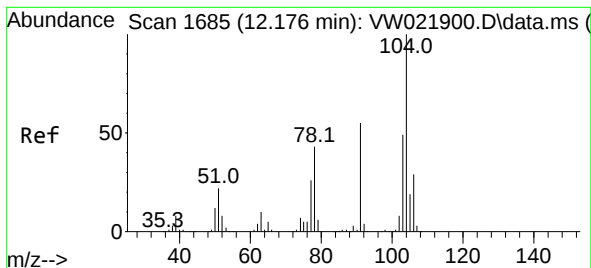
Tgt Ion:106 Resp: 20597

Ion Ratio Lower Upper

106 100

91 212.1 153.6 285.3





#55

Styrene

Concen: 0.933 ug/L

RT: 12.170 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Instrument :

MSVOA_W

ClientSampleId :

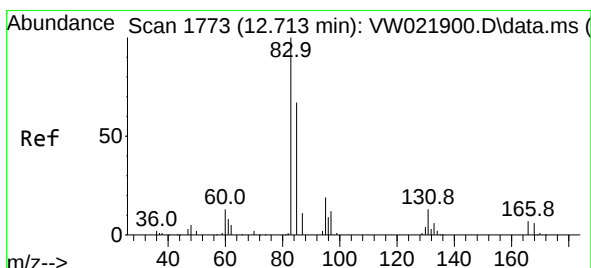
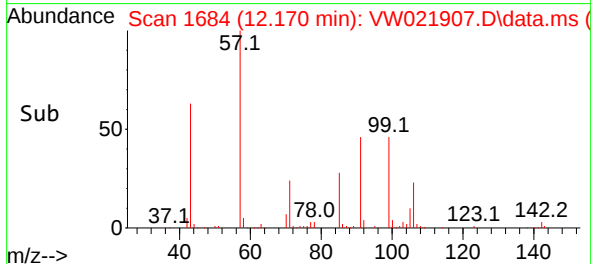
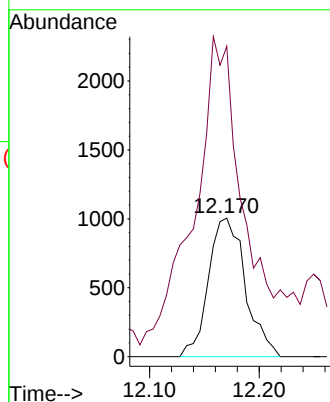
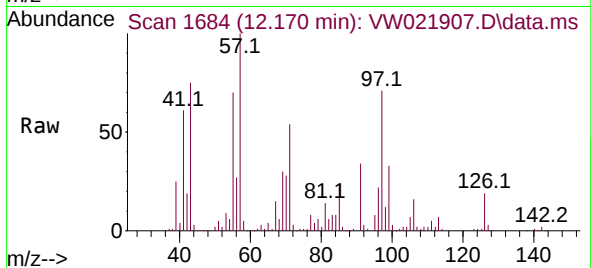
BGLS7

Tgt Ion:104 Resp: 2352

Ion Ratio Lower Upper

104 100

78 224.1 34.4 64.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 28.651 ug/L

RT: 12.695 min Scan# 1770

Delta R.T. -0.018 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

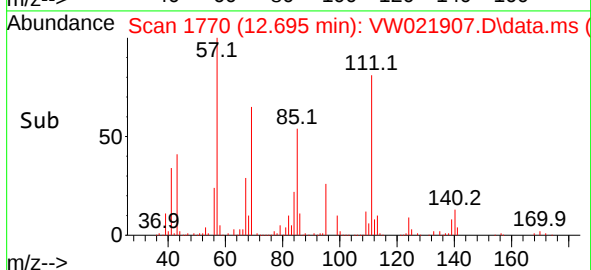
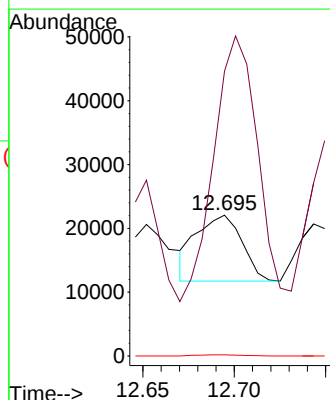
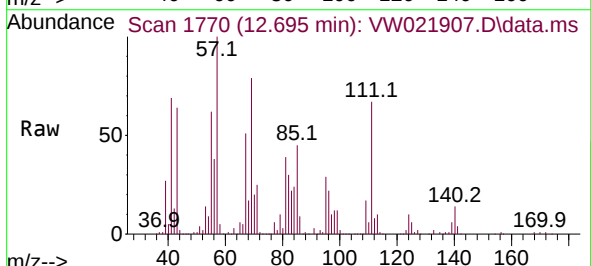
Tgt Ion: 83 Resp: 18009

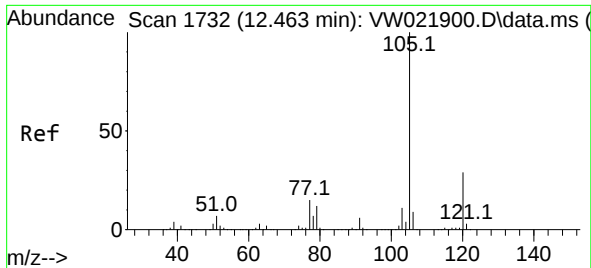
Ion Ratio Lower Upper

83 100

85 202.3 44.0 81.6#

131 0.8 6.9 10.3#

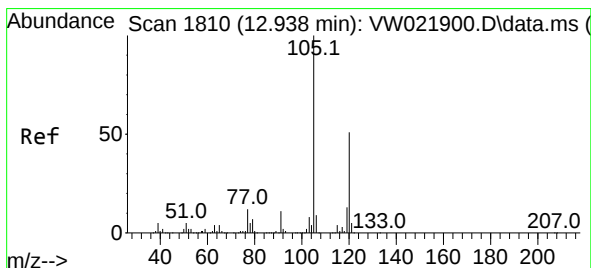
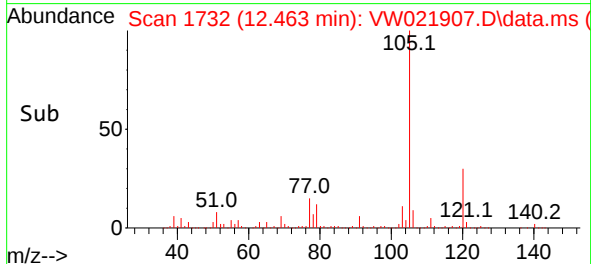
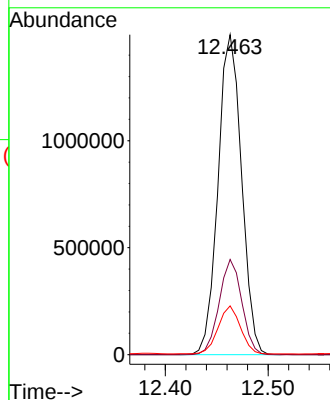
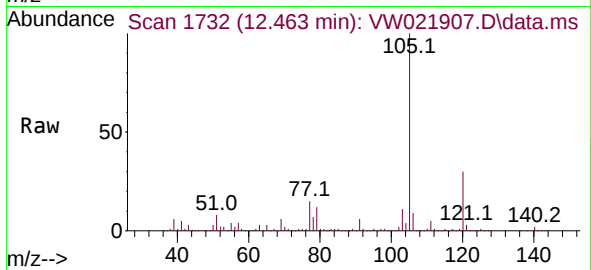




#60
Isopropylbenzene
Concen: 635.902 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

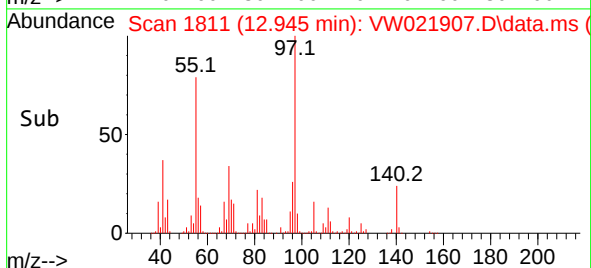
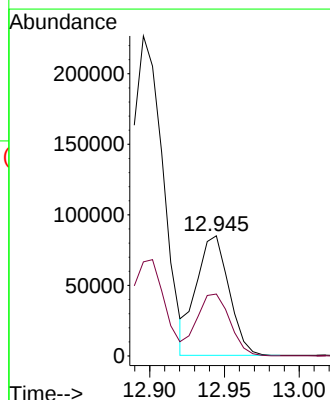
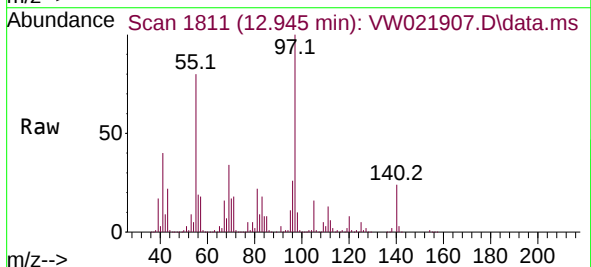
Instrument :
MSVOA_W
ClientSampleId :
BGLS7

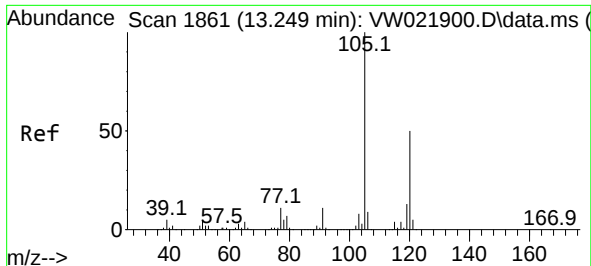
Tgt Ion:105 Resp: 2372864
Ion Ratio Lower Upper
105 100
120 28.7 20.1 30.1
77 14.2 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 41.707 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

Tgt Ion:105 Resp: 128874
Ion Ratio Lower Upper
105 100
120 52.6 37.4 56.2

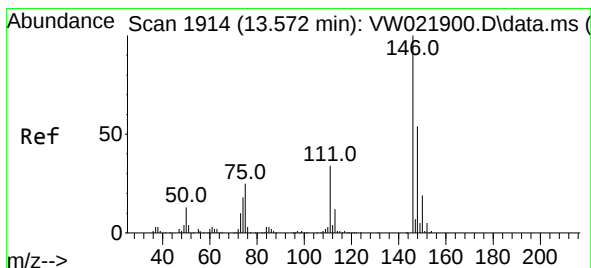
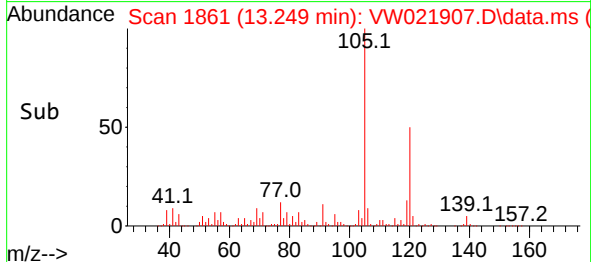
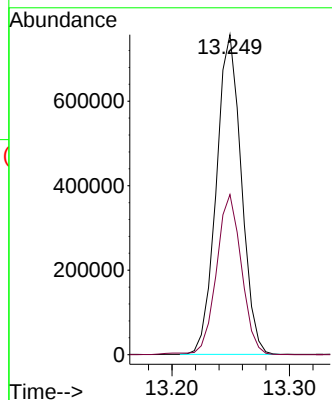
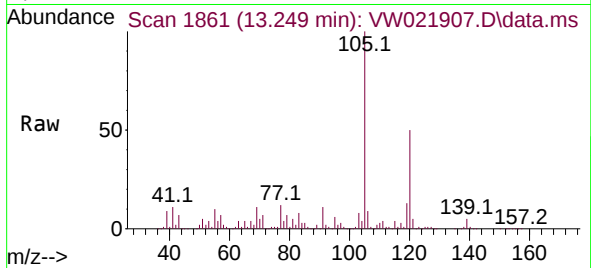




#63
1,2,4-Trimethylbenzene
Concen: 367.558 ug/L
RT: 13.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

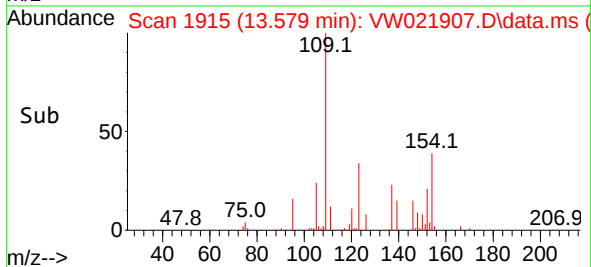
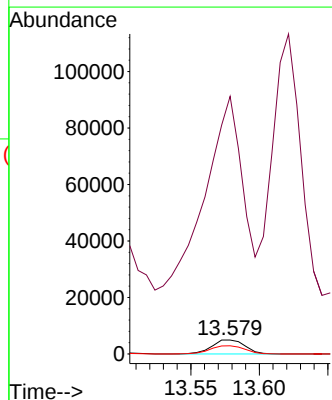
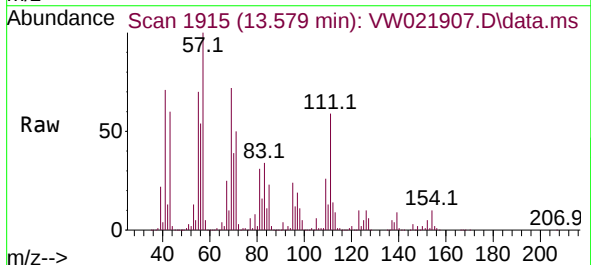
Instrument :
MSVOA_W
ClientSampleId :
BGLS7

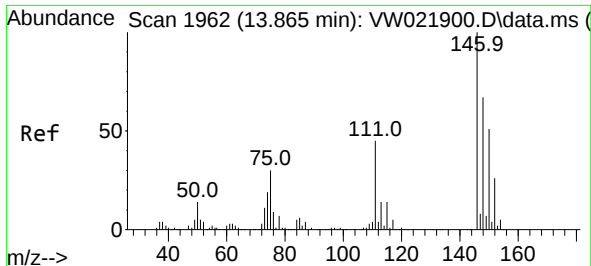
Tgt Ion:105 Resp: 1120136
Ion Ratio Lower Upper
105 100
120 49.7 35.0 52.6



#65
1,4-Dichlorobenzene
Concen: 4.511 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

Tgt Ion:146 Resp: 8357
Ion Ratio Lower Upper
146 100
111 1849.4 29.0 53.9#
148 58.7 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 1.552 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

Instrument :

MSVOA_W

ClientSampleId :

BGLS7

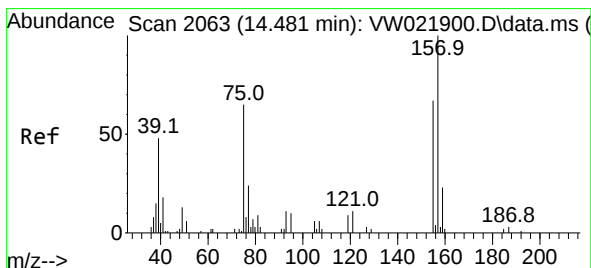
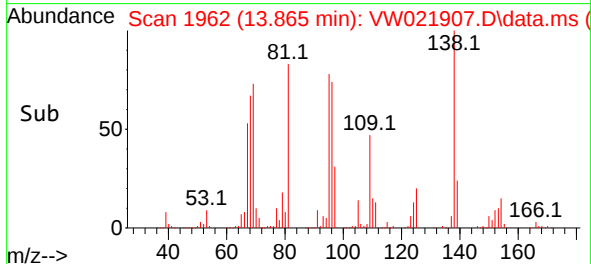
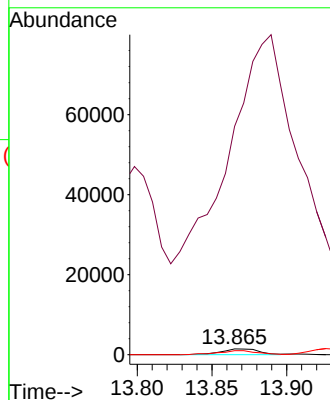
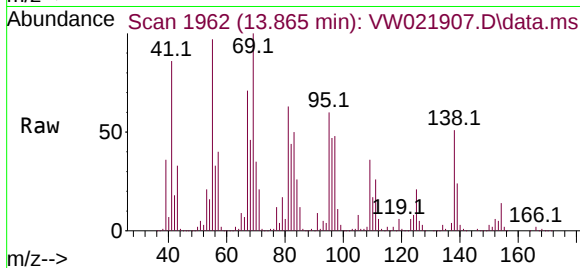
Tgt Ion:146 Resp: 2549

Ion Ratio Lower Upper

146 100

111 3949.1 33.1 49.7#

148 68.9 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 30.401 ug/L

RT: 14.493 min Scan# 2065

Delta R.T. 0.012 min

Lab File: VW021907.D

Acq: 14 Jan 2022 12:28

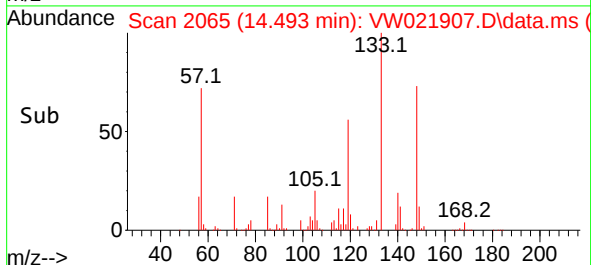
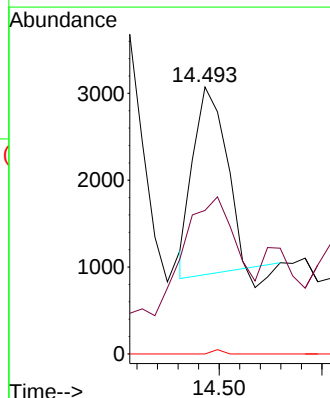
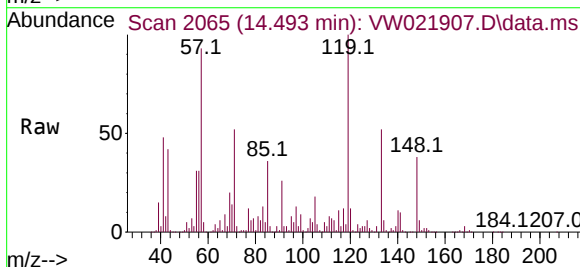
Tgt Ion: 75 Resp: 2299

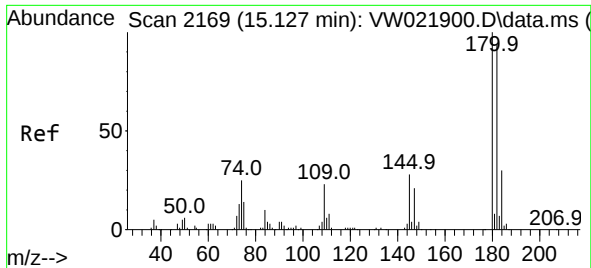
Ion Ratio Lower Upper

75 100

155 53.8 54.2 81.2#

157 0.0 69.4 104.2#

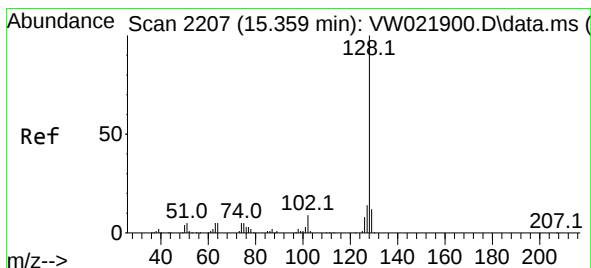
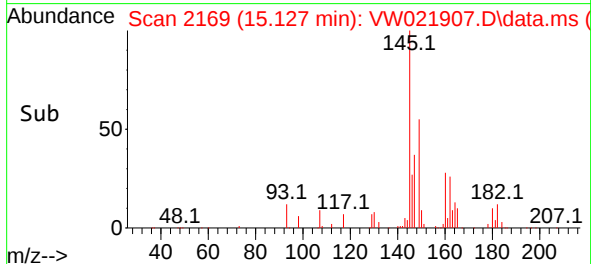
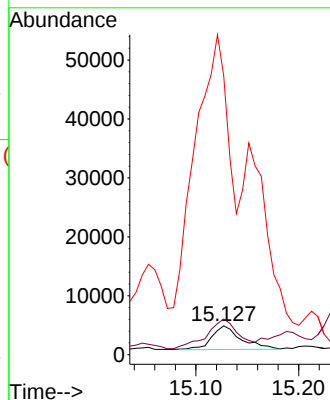
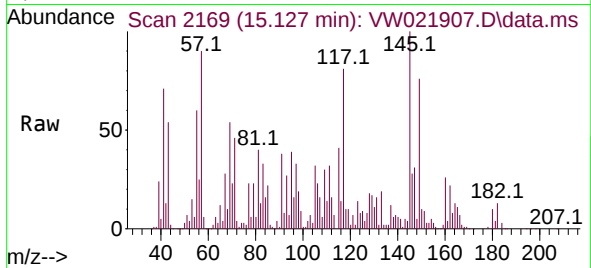




#70
1,2,4-trichlorobenzene
Concen: 7.217 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

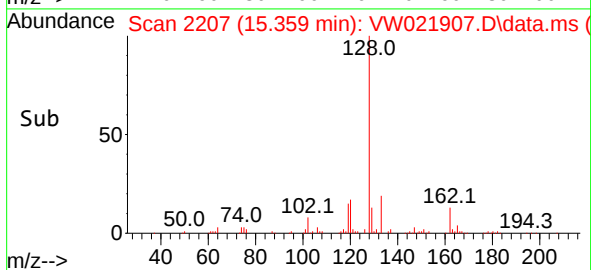
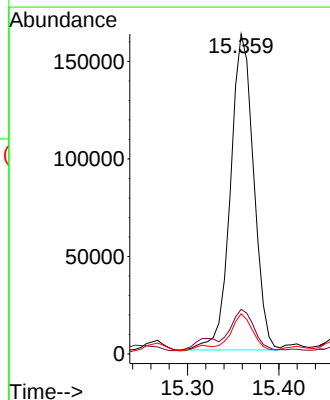
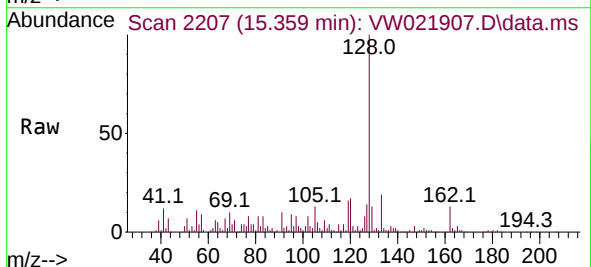
Instrument :
MSVOA_W
ClientSampleId :
BGLS7

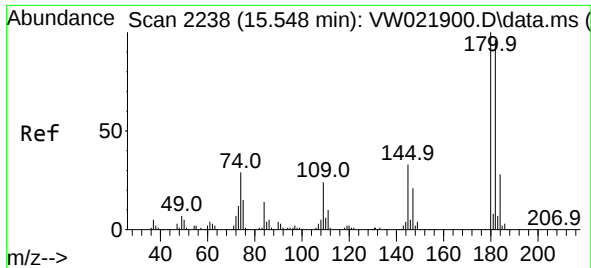
Tgt Ion:180 Resp: 8018
Ion Ratio Lower Upper
180 100
182 134.8 79.0 118.6#
145 1499.9 26.0 39.0#



#71
Naphthalene
Concen: 167.036 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW021907.D
Acq: 14 Jan 2022 12:28

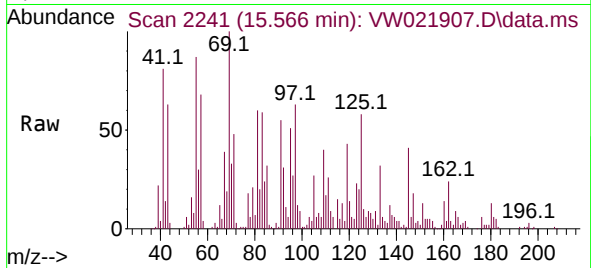
Tgt Ion:128 Resp: 286284
Ion Ratio Lower Upper
128 100
127 12.6 10.7 16.1
129 10.0 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 3.501 ug/L
 RT: 15.566 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VW021907.D
 Acq: 14 Jan 2022 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLS7



Tgt Ion:180 Resp: 3212
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.6 114.8#
 145 0.0 27.4 41.0#

