

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010622\
 Data File : VW021764.D
 Acq On : 06 Jan 2022 17:56
 Operator : SY/VA
 Sample : N1025-05
 Misc : 6.97g/10mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLG9

Quant Time: Jan 07 00:23:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jan 04 00:22:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	183298	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	180856	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	95483	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	61355	16.977	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.920%
7) Chloroethane-d5	2.885	69	47484	19.508	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.040%
11) 1,1-Dichloroethene-d2	4.013	63	70516	13.333	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.320%
21) 2-Butanone-d5	7.092	46	21774	41.181	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.360%
24) Chloroform-d	7.653	84	115560	20.182	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.720%
26) 1,2-Dichloroethane-d4	8.567	65	159	0.053	ug/L	0.26
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.200%#
32) Benzene-d6	8.275	84	238915	22.248	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	9.274	67	65001	22.313	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.240%
41) Toluene-d8	10.323	98	237526	22.200	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	10.579	79	25630	18.080	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.320%
47) 2-Hexanone-d5	10.927	63	20452	46.291	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.580%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	48960	20.385	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.560%
66) 1,2-Dichlorobenzene-d4	13.853	152	83690	22.920	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.680%
Target Compounds						
					Qvalue	
13) Acetone	4.153	43	14144	31.506	ug/L	81
19) 1,1-Dichloroethane	6.226	63	2559	0.572	ug/L	92
20) cis-1,2-Dichloroethene	7.177	96	2395	0.805	ug/L	# 54
22) 2-Butanone	7.189	43	1469	2.407	ug/L	78
29) Cyclohexane	7.921	56	7754	1.854	ug/L	# 60
35) Methylcyclohexane	9.335	83	29379	5.684	ug/L	# 60
39) cis-1,3-Dichloropropene	10.030	75	2083	0.521	ug/L	# 55
40) 4-Methyl-2-pentanone	10.213	43	3191	2.369	ug/L	# 88
45) 1,1,2-Trichloroethane	10.762	97	7960	3.919	ug/L	# 22
52) Ethylbenzene	11.731	91	59205	4.141	ug/L	87
53) m,p-Xylene	11.835	106	20213	3.528	ug/L	88
54) o-Xylene	12.164	106	9053	1.667	ug/L	94
60) Isopropylbenzene	12.463	105	157642	11.844	ug/L	94
61) 1,2,3-Trichloropropane	12.804	75	1031	0.706	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.945	105	11827	1.051	ug/L	91
63) 1,2,4-Trimethylbenzene	13.249	105	671276	60.055	ug/L	94
64) 1,3-Dichlorobenzene	13.499	146	3852	0.613	ug/L	# 50
67) 1,2-Dichlorobenzene	13.871	146	11701	2.133	ug/L	# 70
68) 1,2-Dibromo-3-chloropr...	14.450	75	2421	7.525	ug/L	# 10

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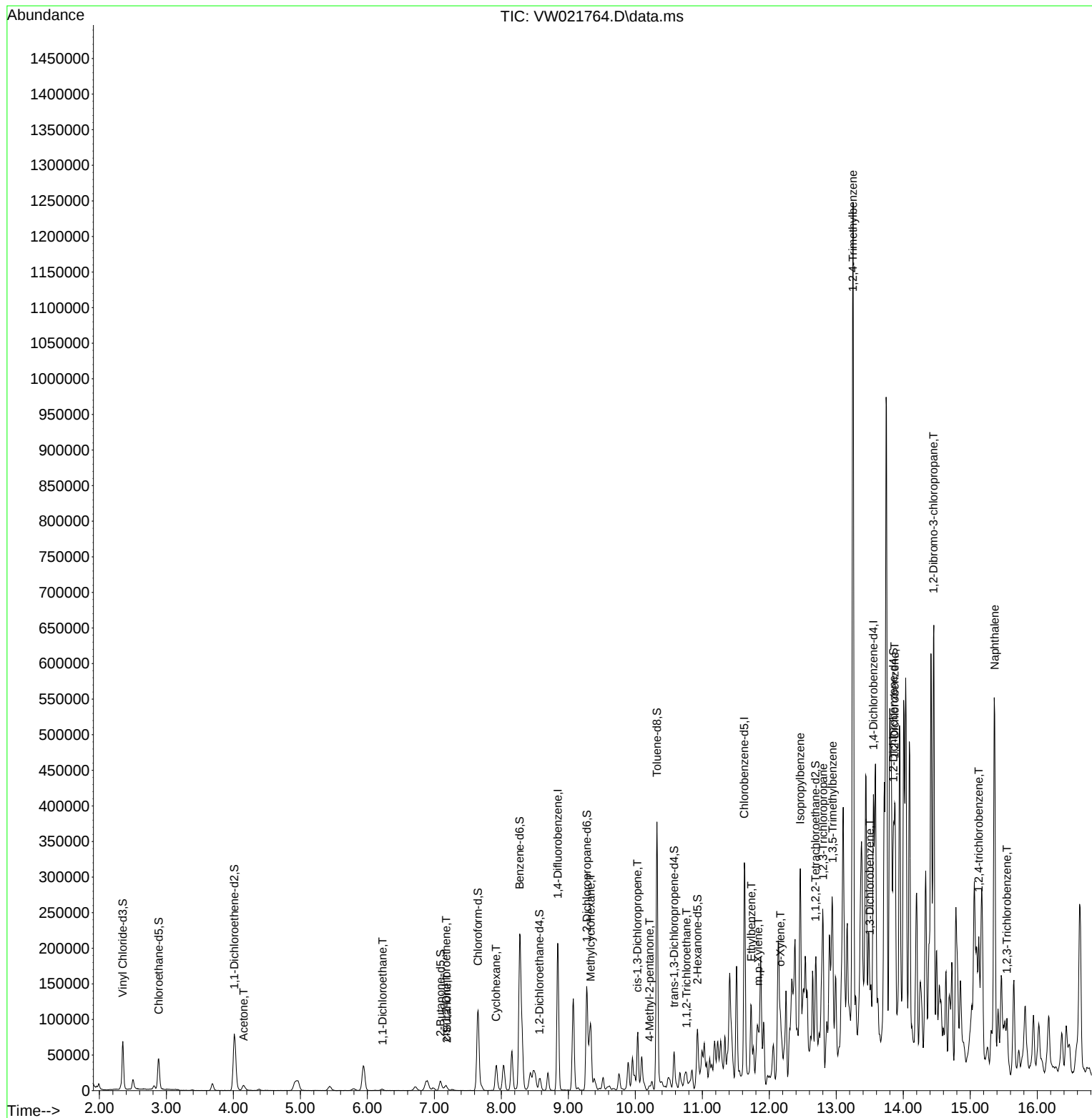
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.127	180	49330	13.387	ug/L #	88
71) Naphthalene	15.365	128	472302	78.775	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	11204	3.612	ug/L #	67

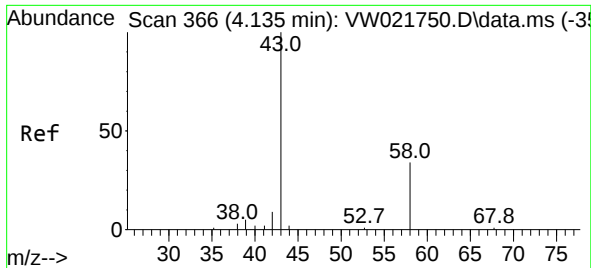
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 31.506 ug/L

RT: 4.153 min Scan# 369

Delta R.T. 0.024 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

Instrument :

MSVOA_W

ClientSampleId :

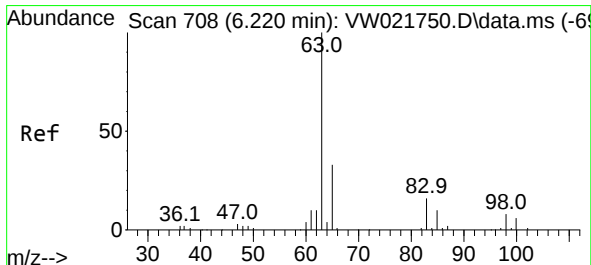
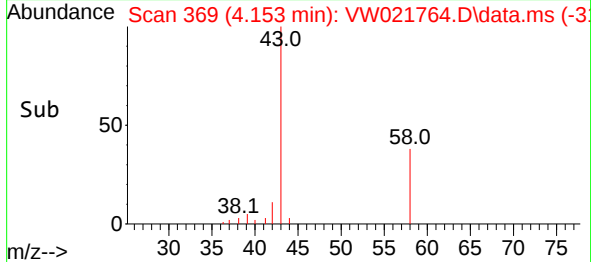
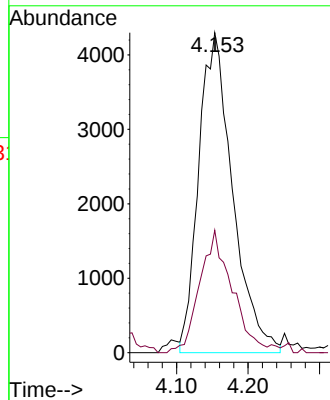
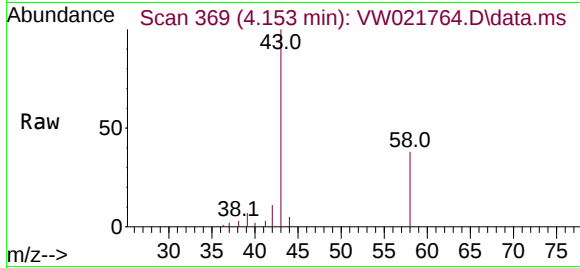
BGLG9

Tgt Ion: 43 Resp: 14144

Ion Ratio Lower Upper

43 100

58 36.4 0.0 52.8



#19

1,1-Dichloroethane

Concen: 0.572 ug/L

RT: 6.226 min Scan# 709

Delta R.T. 0.012 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

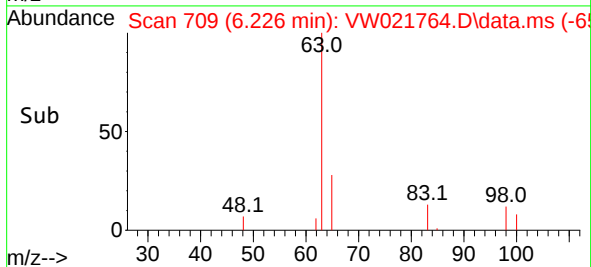
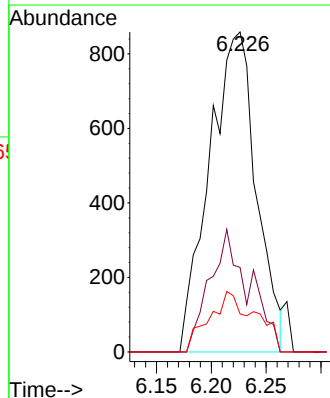
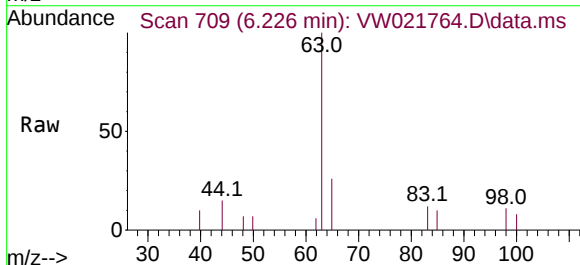
Tgt Ion: 63 Resp: 2559

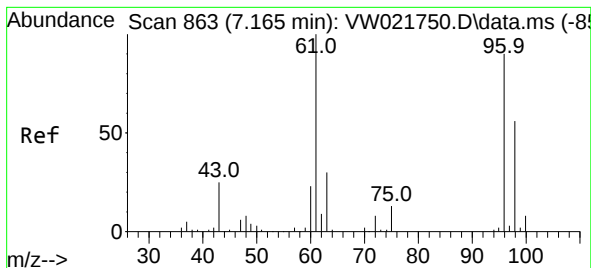
Ion Ratio Lower Upper

63 100

65 26.4 22.1 41.1

83 11.9 9.2 17.2

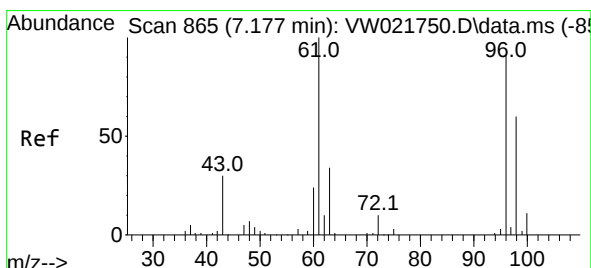
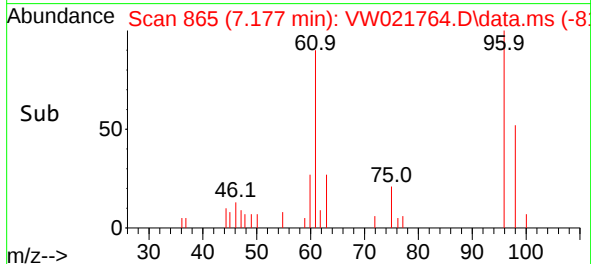
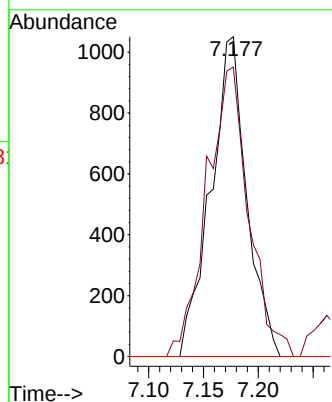
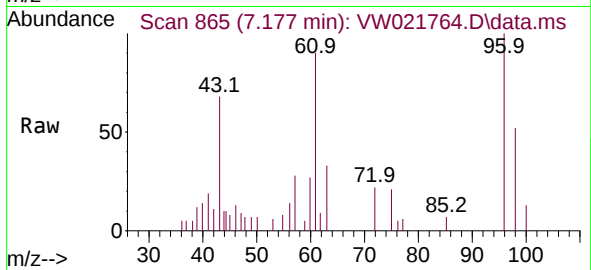




#20
 cis-1,2-Dichloroethene
 Concen: 0.805 ug/L
 RT: 7.177 min Scan# 865
 Delta R.T. 0.006 min
 Lab File: VW021764.D
 Acq: 06 Jan 2022 17:56

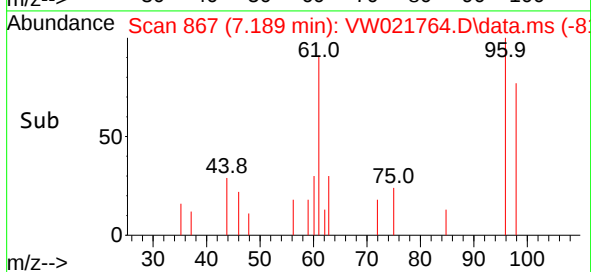
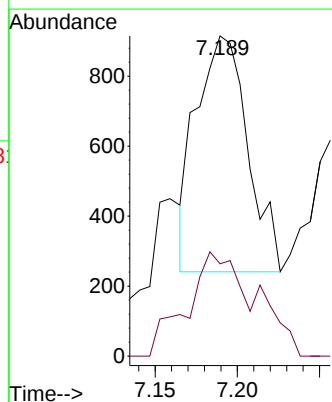
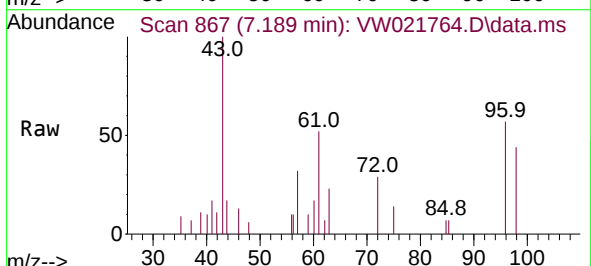
Instrument :
 MSVOA_W
 ClientSampleId :
 BGLG9

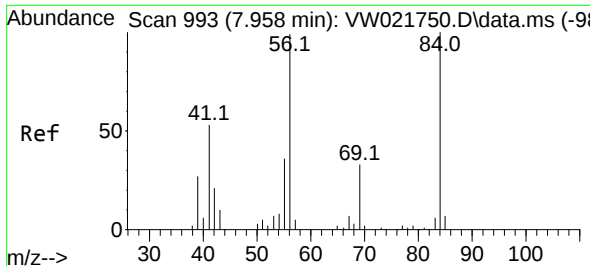
Tgt Ion: 96 Resp: 2395
 Ion Ratio Lower Upper
 96 100
 61 90.5 103.7 192.7#
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 2.407 ug/L
 RT: 7.189 min Scan# 867
 Delta R.T. 0.018 min
 Lab File: VW021764.D
 Acq: 06 Jan 2022 17:56

Tgt Ion: 43 Resp: 1469
 Ion Ratio Lower Upper
 43 100
 72 34.6 11.8 35.4

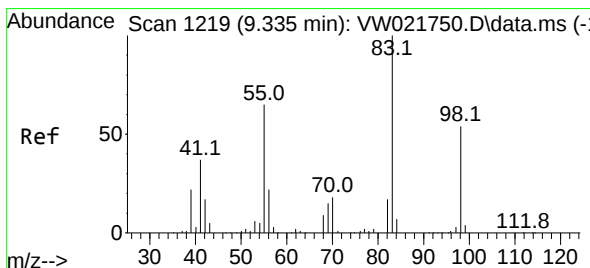
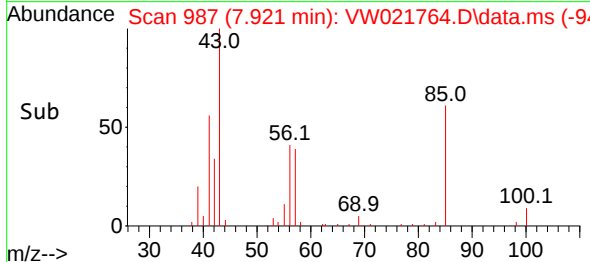
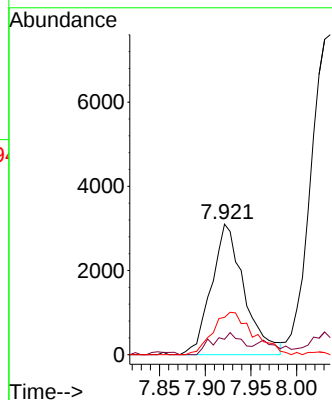
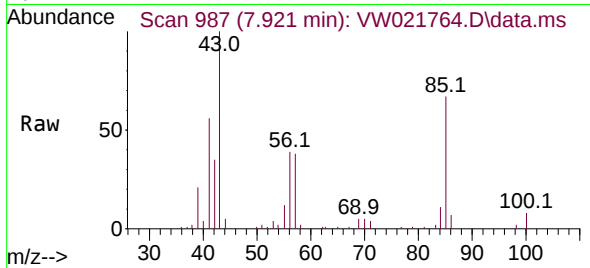




#29
Cyclohexane
Concen: 1.854 ug/L
RT: 7.921 min Scan# 91
Delta R.T. -0.037 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

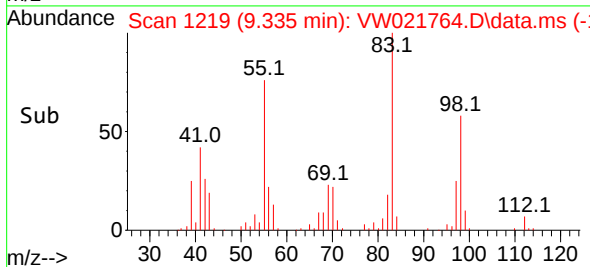
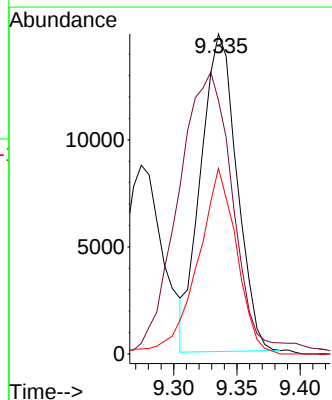
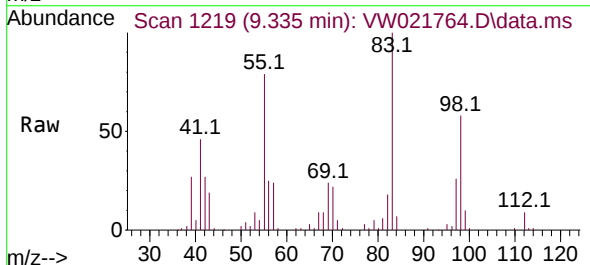
Instrument :
MSVOA_W
ClientSampleId :
BGLG9

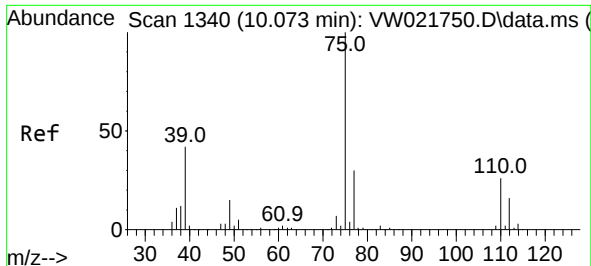
Tgt Ion: 56 Resp: 7754
Ion Ratio Lower Upper
56 100
69 15.1 23.5 35.3#
84 39.7 63.4 95.2#



#35
Methylcyclohexane
Concen: 5.684 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

Tgt Ion: 83 Resp: 29379
Ion Ratio Lower Upper
83 100
55 134.0 70.8 106.2#
98 63.7 37.7 56.5#





#39

cis-1,3-Dichloropropene

Concen: 0.521 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

Instrument :

MSVOA_W

ClientSampleId :

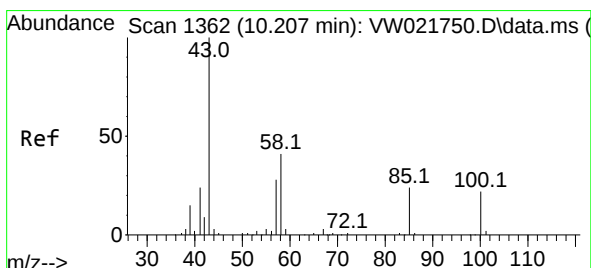
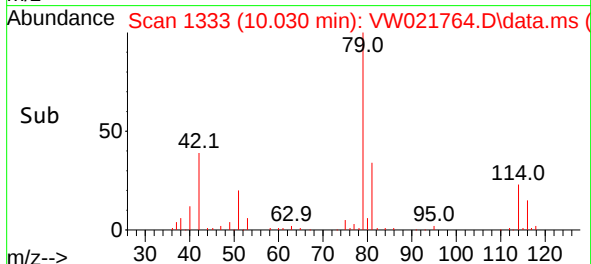
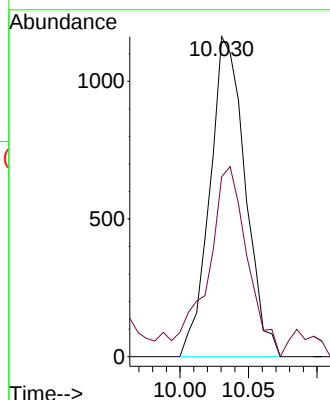
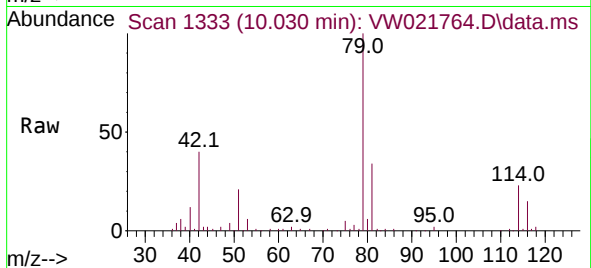
BGLG9

Tgt Ion: 75 Resp: 2083

Ion Ratio Lower Upper

75 100

77 56.2 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 2.369 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

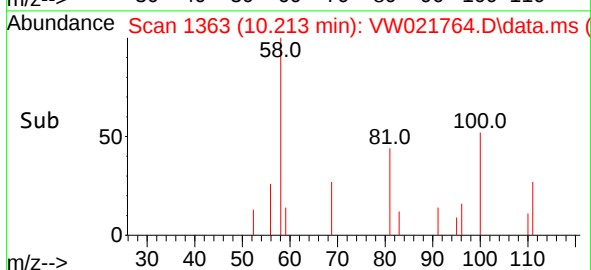
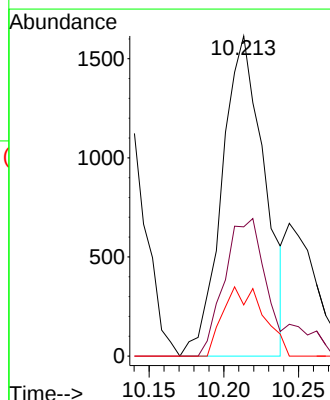
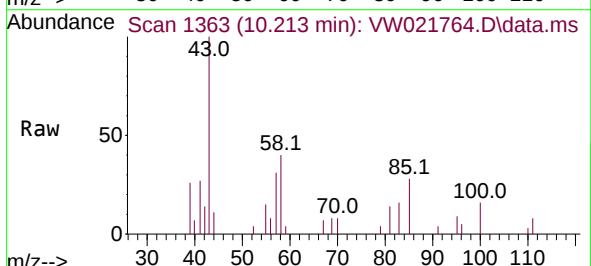
Tgt Ion: 43 Resp: 3191

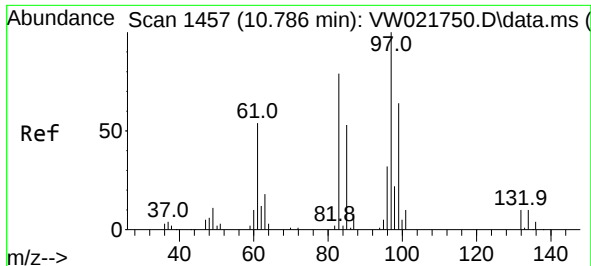
Ion Ratio Lower Upper

43 100

58 41.1 28.8 43.2

100 20.7 10.0 15.0#

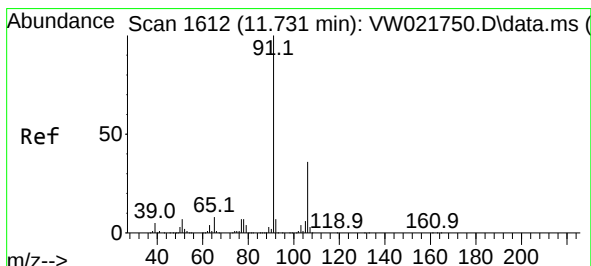
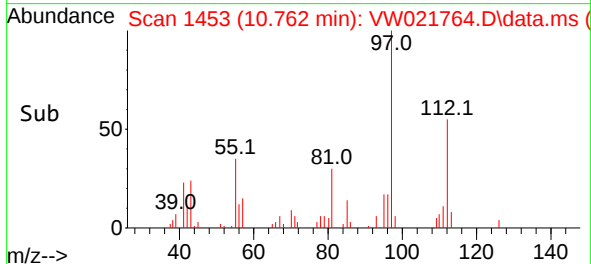
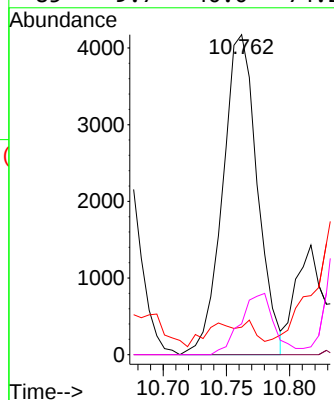
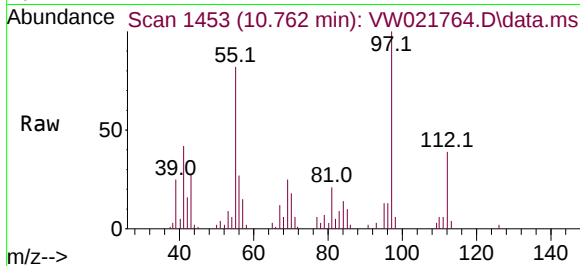




#45
1,1,2-Trichloroethane
Concen: 3.919 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

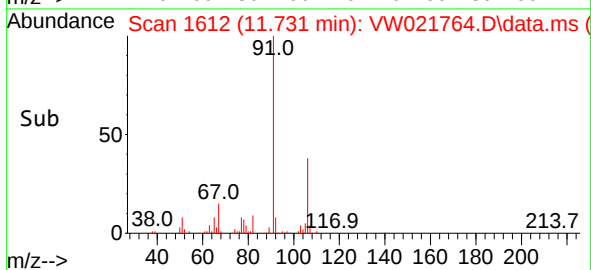
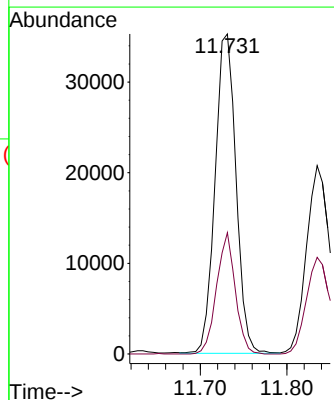
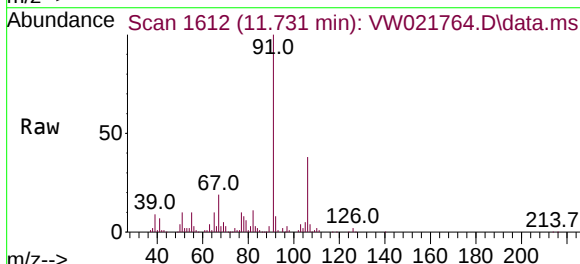
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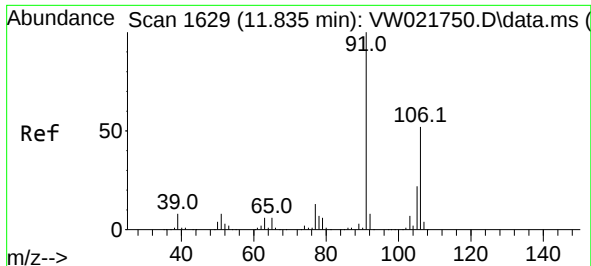
Tgt Ion: 97	Resp: 7960
Ion Ratio	Lower Upper
97 100	
99 0.0	43.0 79.8#
83 8.6	62.6 116.3#
85 9.7	40.0 74.2#



#52
Ethylbenzene
Concen: 4.141 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

Tgt Ion: 91	Resp: 59205		
Ion Ratio	Lower	Upper	
91 100			
106 37.9	21.5	39.9	

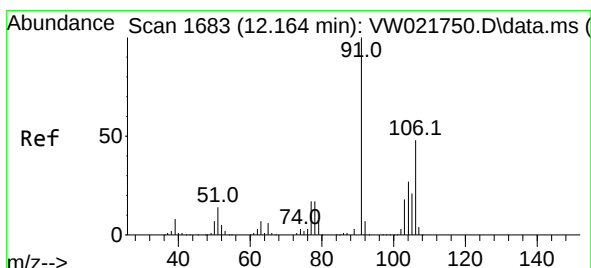
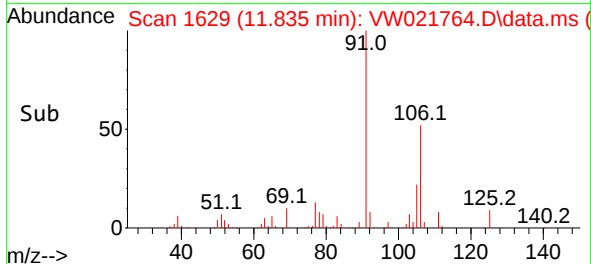
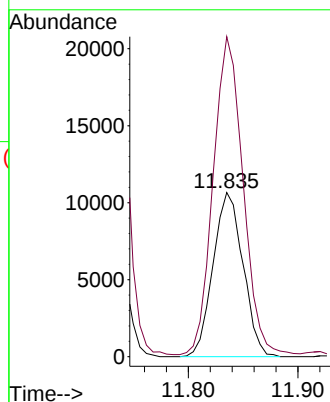
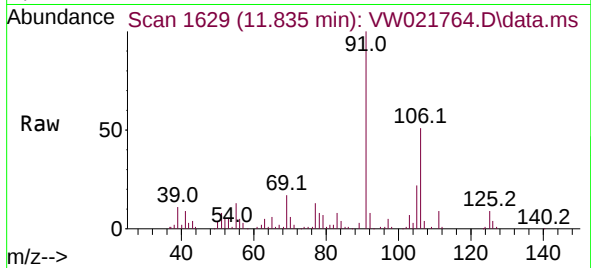




#53
m,p-Xylene
Concen: 3.528 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

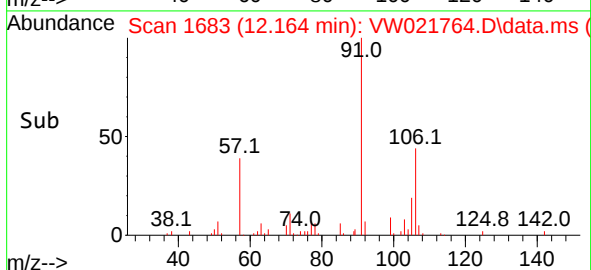
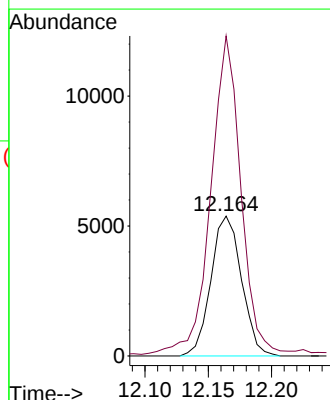
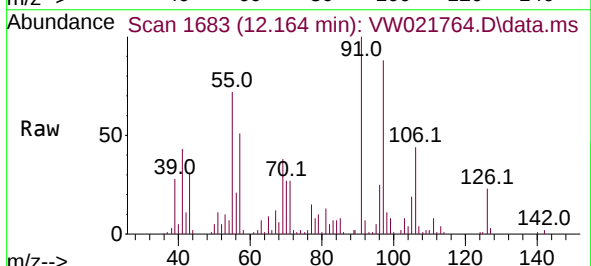
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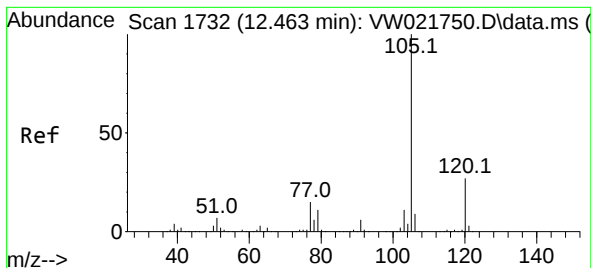
Tgt Ion:106 Resp: 20213
Ion Ratio Lower Upper
106 100
91 195.0 149.9 278.3



#54
o-Xylene
Concen: 1.667 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

Tgt Ion:106 Resp: 9053
Ion Ratio Lower Upper
106 100
91 228.8 153.6 285.3





#60

Isopropylbenzene

Concen: 11.844 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

Instrument :

MSVOA_W

ClientSampleId :

BGLG9

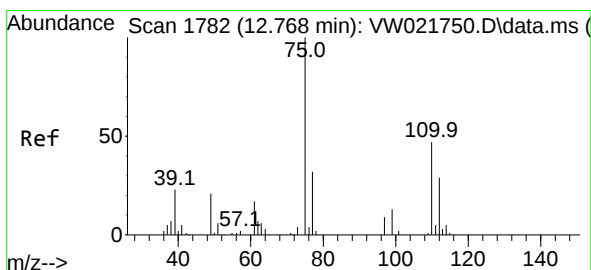
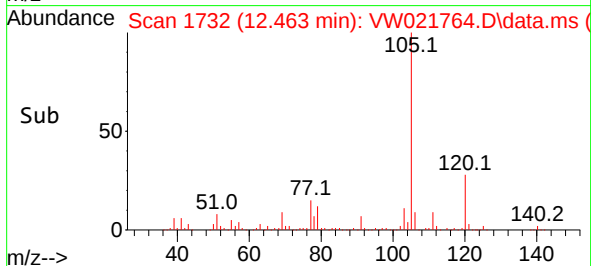
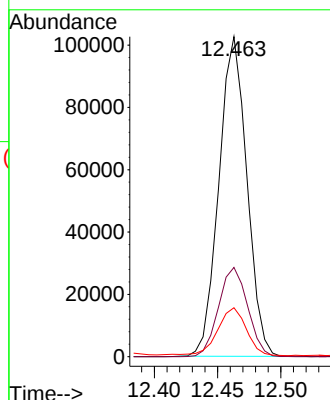
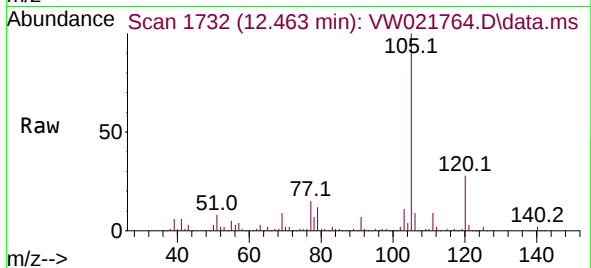
Tgt Ion:105 Resp: 157642

Ion Ratio Lower Upper

105 100

120 29.0 20.1 30.1

77 15.9 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 0.706 ug/L

RT: 12.804 min Scan# 1788

Delta R.T. 0.037 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

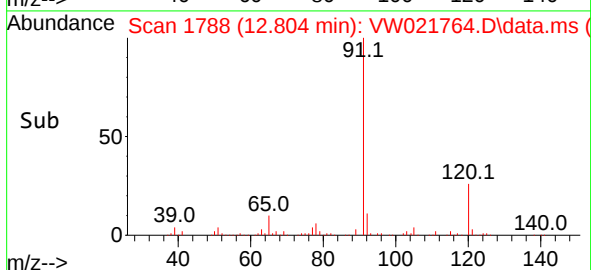
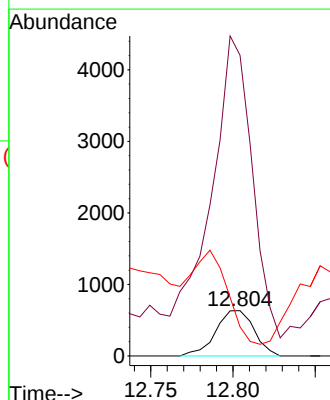
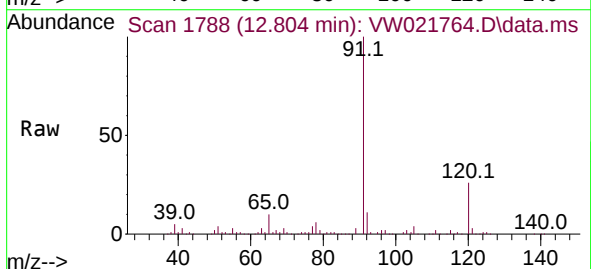
Tgt Ion: 75 Resp: 1031

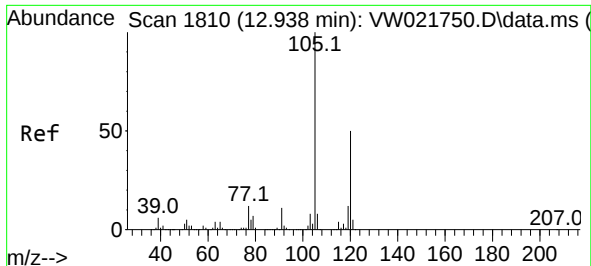
Ion Ratio Lower Upper

75 100

77 701.6 25.8 38.8#

110 193.0 29.0 43.4#

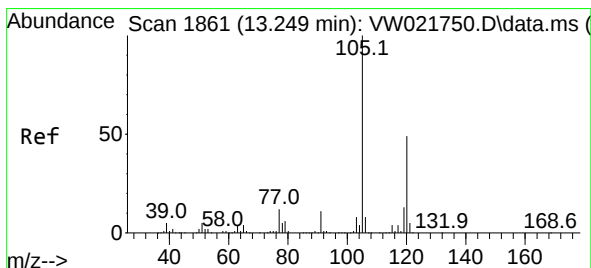
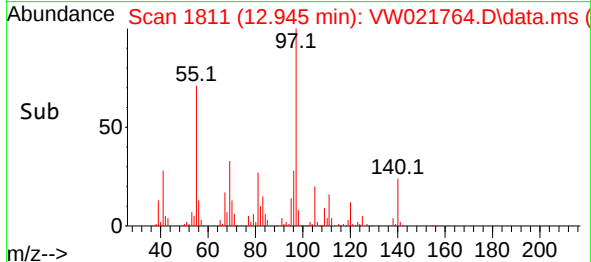
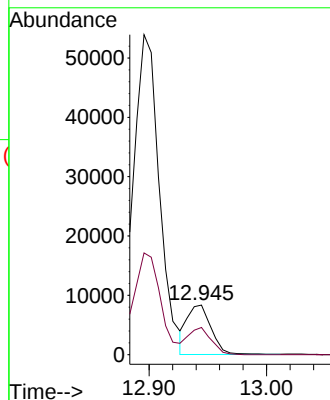
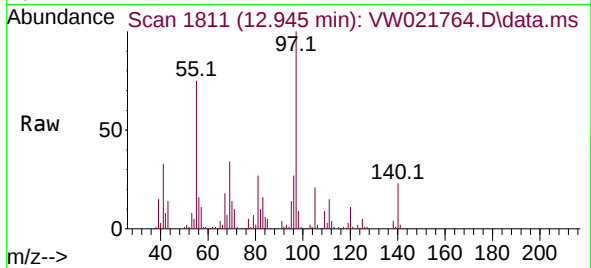




#62
1,3,5-Trimethylbenzene
Concen: 1.051 ug/L
RT: 12.945 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

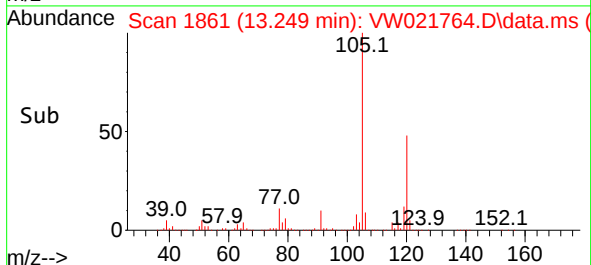
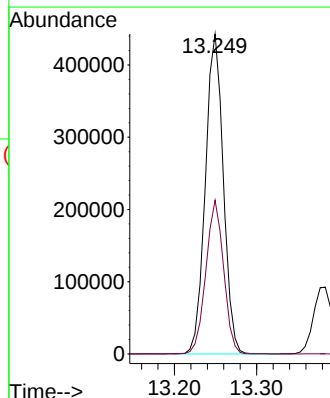
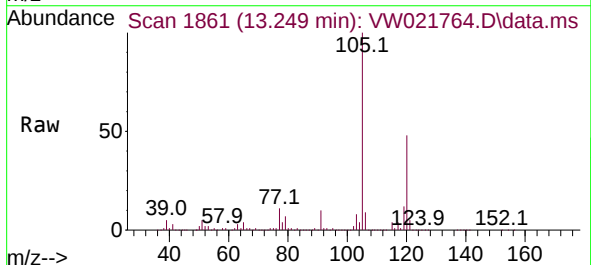
Instrument :
MSVOA_W
ClientSampleId :
BGLG9

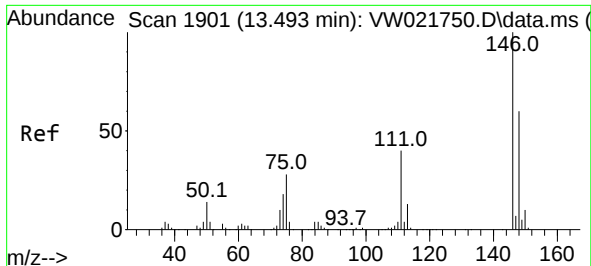
Tgt Ion:105 Resp: 11827
Ion Ratio Lower Upper
105 100
120 52.7 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 60.055 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

Tgt Ion:105 Resp: 671276
Ion Ratio Lower Upper
105 100
120 47.7 35.0 52.6

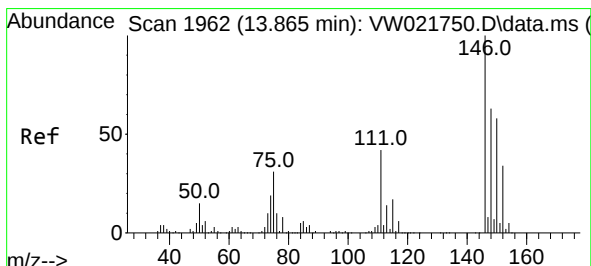
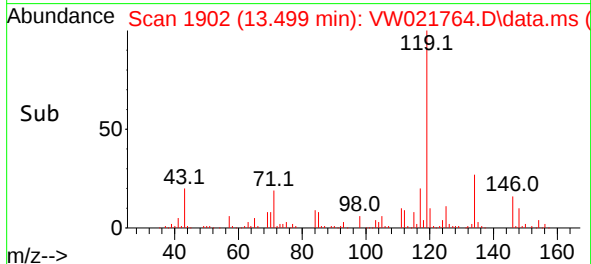
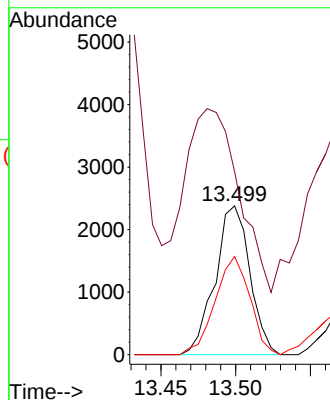
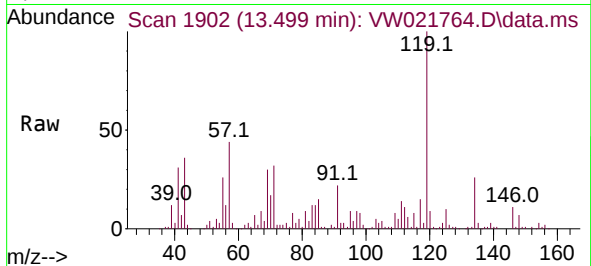




#64
1,3-Dichlorobenzene
Concen: 0.613 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

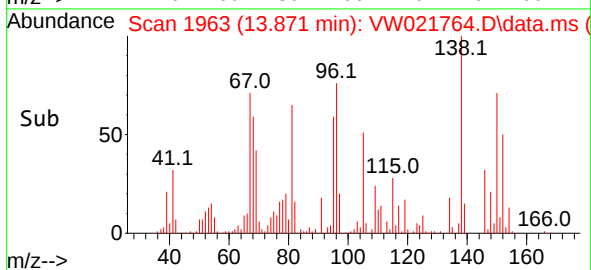
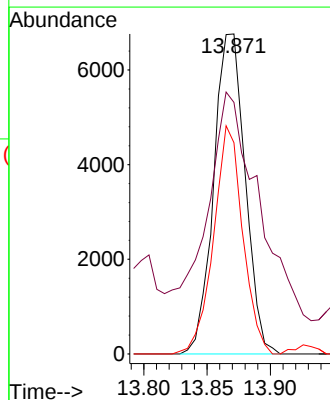
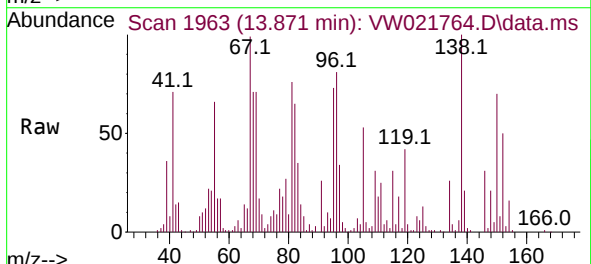
Instrument :
MSVOA_W
ClientSampleId :
BGLG9

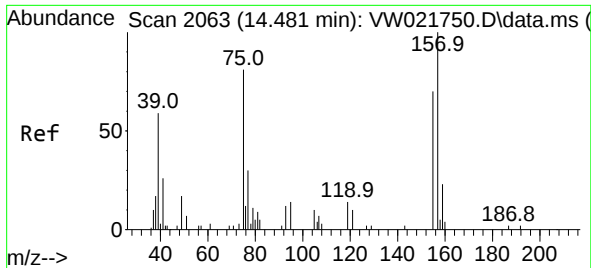
Tgt Ion:146 Resp: 3852
Ion Ratio Lower Upper
146 100
111 123.0 29.8 55.3#
148 66.0 46.2 85.8



#67
1,2-Dichlorobenzene
Concen: 2.133 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021764.D
Acq: 06 Jan 2022 17:56

Tgt Ion:146 Resp: 11701
Ion Ratio Lower Upper
146 100
111 78.6 33.1 49.7#
148 66.0 47.4 71.2





#68

1,2-Dibromo-3-chloropropane

Concen: 7.525 ug/L

RT: 14.450 min Scan# 2063

Delta R.T. -0.030 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

Instrument :

MSVOA_W

ClientSampleId :

BGLG9

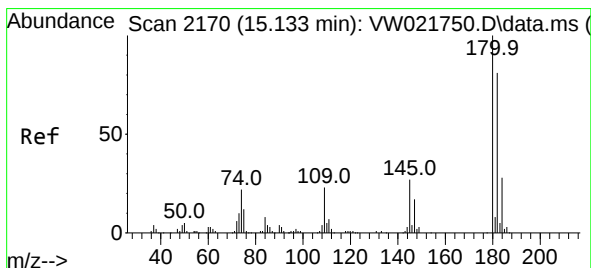
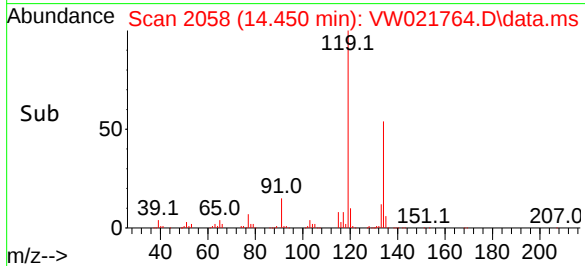
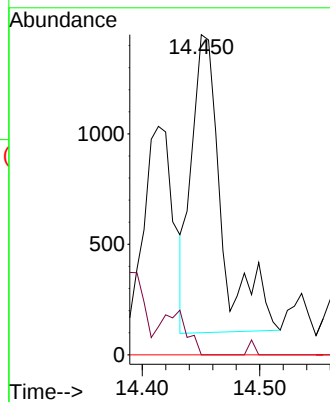
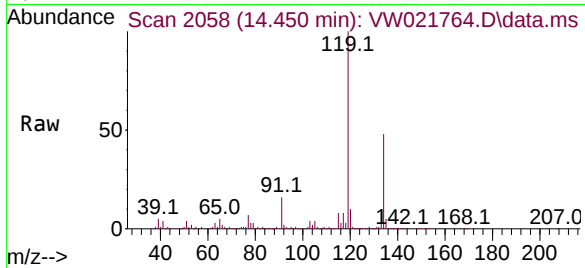
Tgt Ion: 75 Resp: 2421

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: 13.387 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

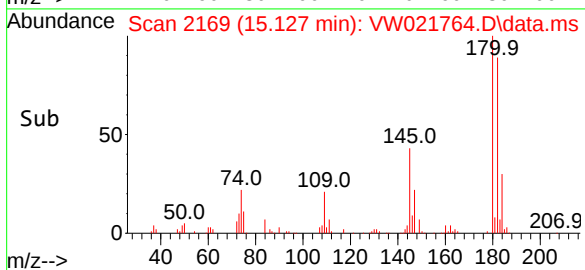
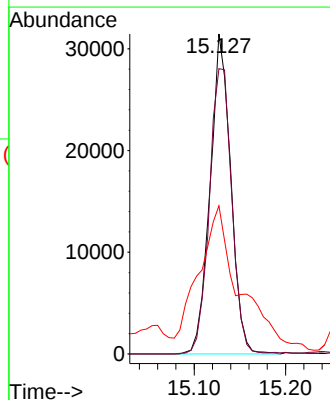
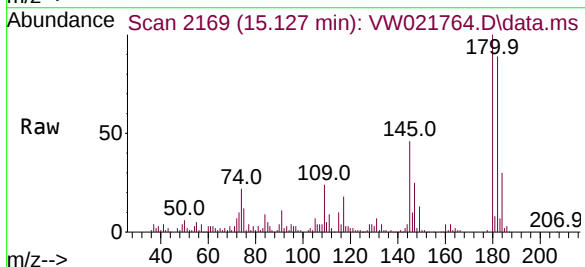
Tgt Ion:180 Resp: 49330

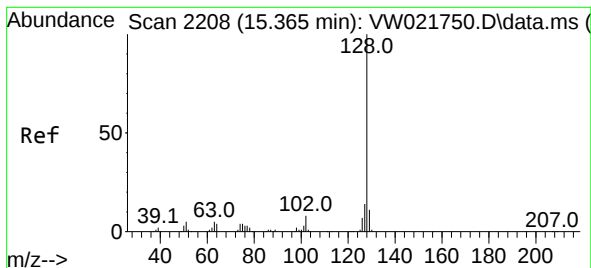
Ion Ratio Lower Upper

180 100

182 97.0 79.0 118.6

145 56.1 26.0 39.0#





#71

Naphthalene

Concen: 78.775 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

Instrument :

MSVOA_W

ClientSampleId :

BGLG9

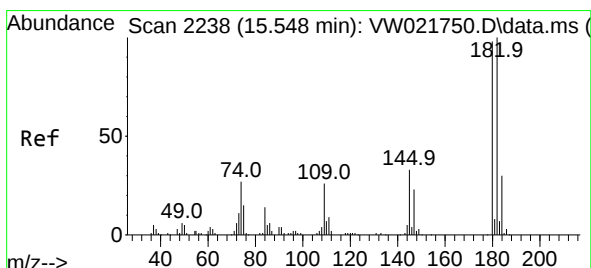
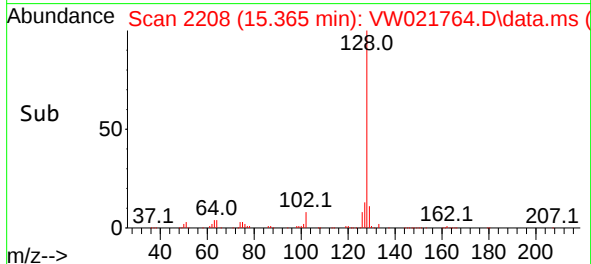
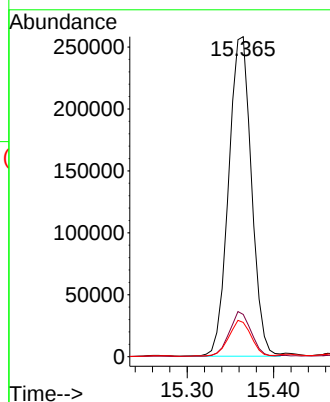
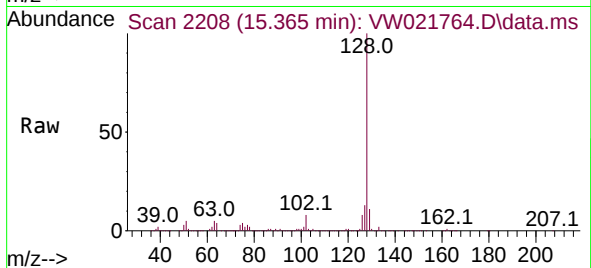
Tgt Ion:128 Resp: 472302

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 3.612 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW021764.D

Acq: 06 Jan 2022 17:56

Tgt Ion:180 Resp: 11204

Ion Ratio Lower Upper

180 100

182 95.4 76.6 114.8

145 106.4 27.4 41.0#

