

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010622\
 Data File : VW021765.D
 Acq On : 06 Jan 2022 18:20
 Operator : SY/VA
 Sample : N1025-04
 Misc : 6.63g/10mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLG8

Quant Time: Jan 07 00:23:39 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	209975	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	195847	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	103081	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	52276	12.627	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.520%
7) Chloroethane-d5	2.885	69	40615	14.566	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.280%
11) 1,1-Dichloroethene-d2	4.013	63	61506	10.152	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	40.600%#
21) 2-Butanone-d5	7.092	46	21265	35.109	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.220%
24) Chloroform-d	7.653	84	98330	14.991	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	59.960%
26) 1,2-Dichloroethane-d4	8.305	65	51663	14.917	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	59.680%#
32) Benzene-d6	8.275	84	203367	17.488	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	69.960%
36) 1,2-Dichloropropane-d6	9.275	67	55872	17.711	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	70.840%
41) Toluene-d8	10.323	98	197836	17.075	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.280%
43) trans-1,3-Dichloroprop...	10.579	79	22402	14.594	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	58.360%
47) 2-Hexanone-d5	10.927	63	20078	41.966	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.940%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	44682	17.180	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.720%
66) 1,2-Dichlorobenzene-d4	13.853	152	65160	16.530	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	66.120%#
Target Compounds						
					Qvalue	
13) Acetone	4.160	43	22795	44.325	ug/L	86
20) cis-1,2-Dichloroethene	7.171	96	22294	6.540	ug/L	67
22) 2-Butanone	7.190	43	3065	4.384	ug/L	92
29) Cyclohexane	7.927	56	5797	1.280	ug/L	# 45
33) Benzene	8.323	78	61349	5.134	ug/L	100
35) Methylcyclohexane	9.336	83	9715	1.736	ug/L	# 71
40) 4-Methyl-2-pentanone	10.213	43	4649	3.187	ug/L	# 91
42) Toluene	10.390	91	533552	38.679	ug/L	98
45) 1,1,2-Trichloroethane	10.762	97	7479	3.400	ug/L	# 23
51) Chlorobenzene	11.658	112	18208	2.046	ug/L	92
52) Ethylbenzene	11.731	91	530074	34.233	ug/L	95
53) m,p-Xylene	11.835	106	591049	95.263	ug/L	81
54) o-Xylene	12.164	106	219028	37.247	ug/L	83
55) Styrene	12.164	104	13540	1.341	ug/L	# 1
60) Isopropylbenzene	12.463	105	224666	15.635	ug/L	93
61) 1,2,3-Trichloropropane	12.804	75	2595	1.645	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.939	105	345762	28.462	ug/L	91
63) 1,2,4-Trimethylbenzene	13.249	105	1932724	160.164	ug/L	92
67) 1,2-Dichlorobenzene	13.871	146	38741	6.540	ug/L	98

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 Response via : Initial Calibration

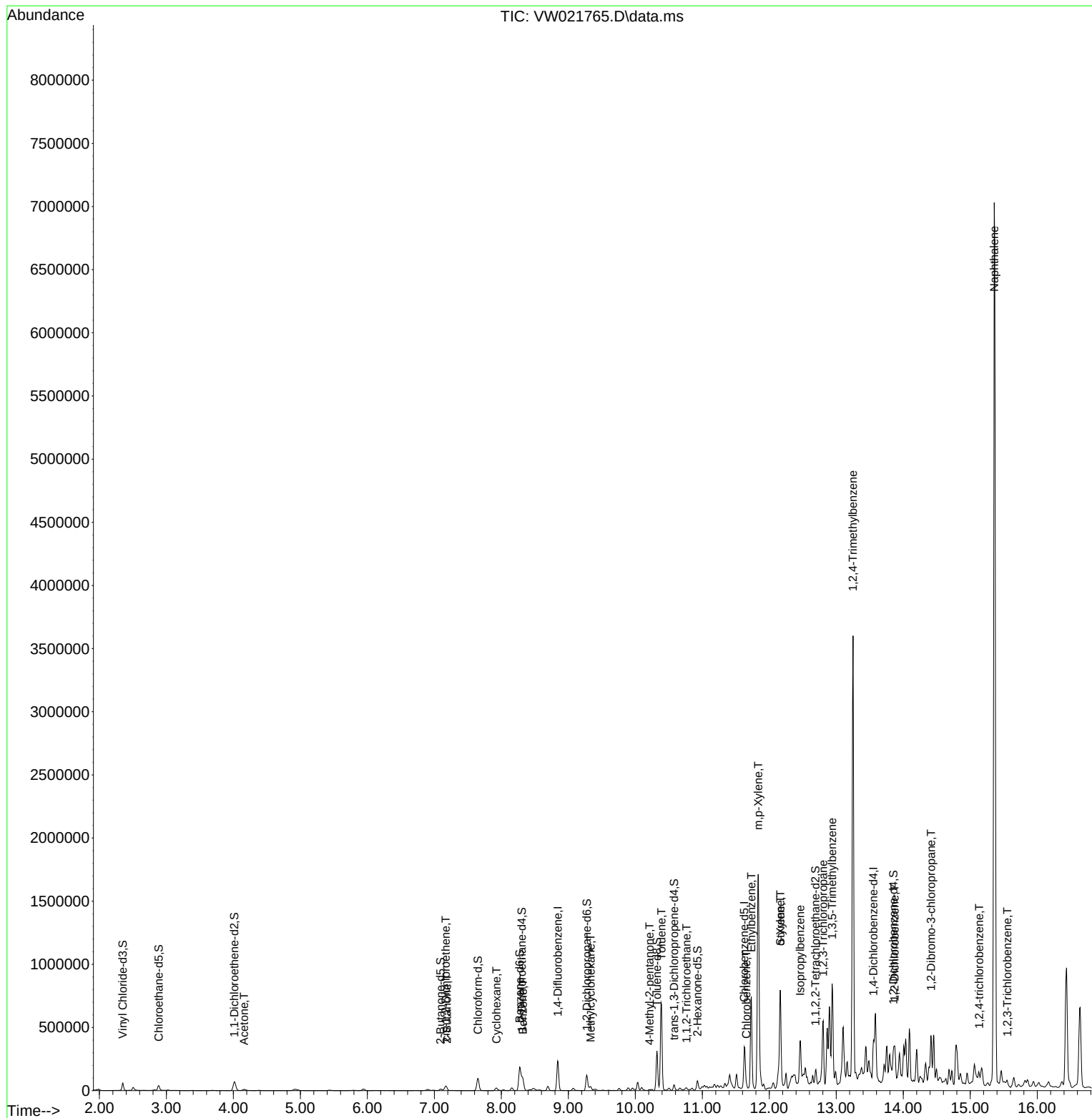
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.414	75	1272	3.662	ug/L #	22
70) 1,2,4-trichlorobenzene	15.133	180	31783	7.989	ug/L #	85
71) Naphthalene	15.359	128	5951465	919.478	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	10019	2.992	ug/L #	54

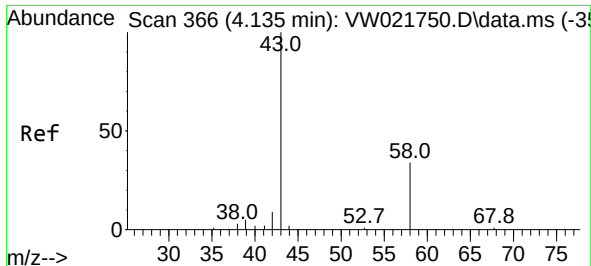
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 44.325 ug/L

RT: 4.160 min Scan# 3

Delta R.T. 0.031 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

Instrument :

MSVOA_W

ClientSampleId :

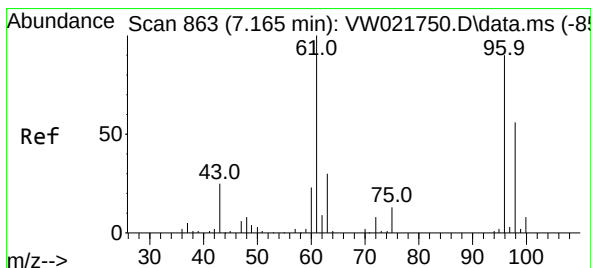
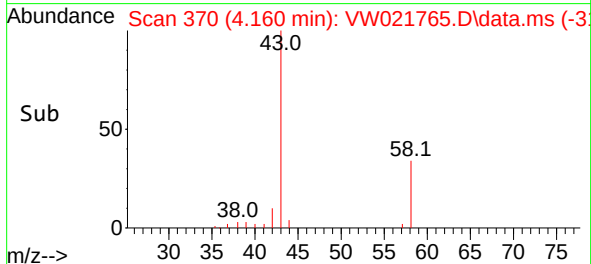
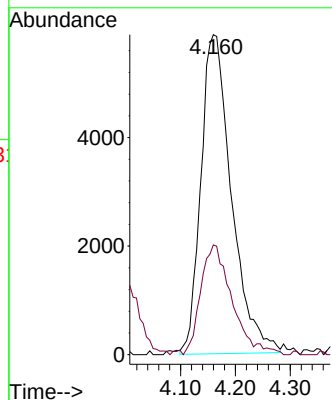
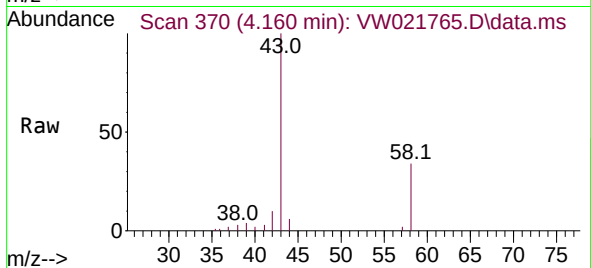
BGLG8

Tgt Ion: 43 Resp: 22795

Ion Ratio Lower Upper

43 100

58 33.6 0.0 52.8



#20

cis-1,2-Dichloroethene

Concen: 6.540 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

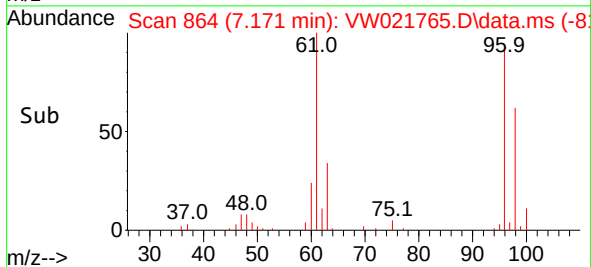
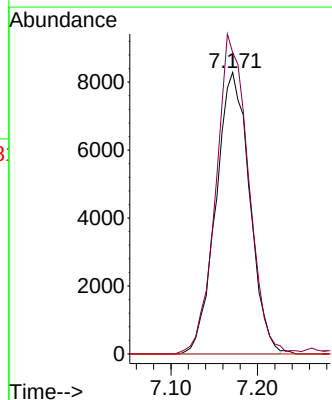
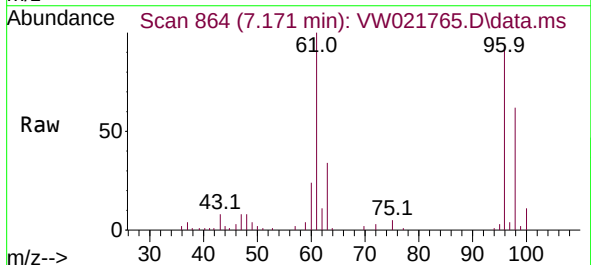
Tgt Ion: 96 Resp: 22294

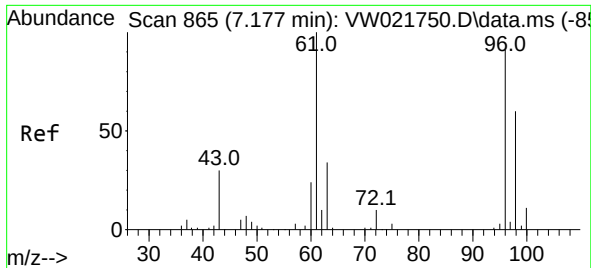
Ion Ratio Lower Upper

96 100

61 107.0 103.7 192.7

68 0.0 0.0 0.0

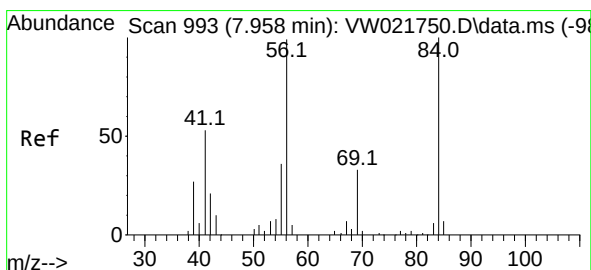
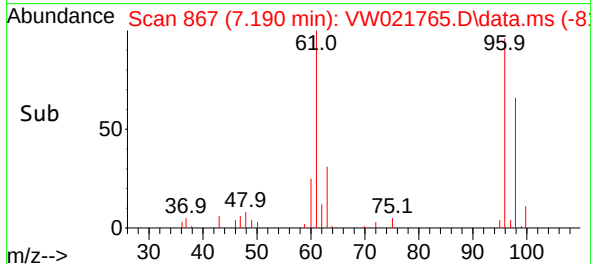
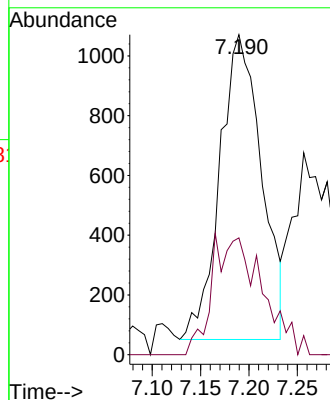
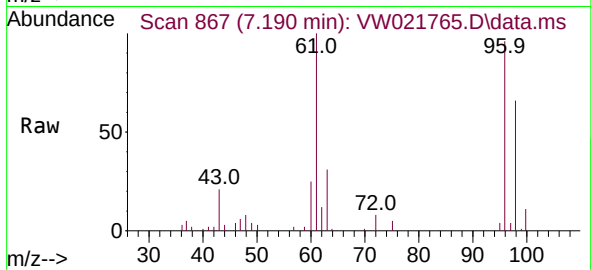




#22
2-Butanone
Concen: 4.384 ug/L
RT: 7.190 min Scan# 865
Delta R.T. 0.018 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

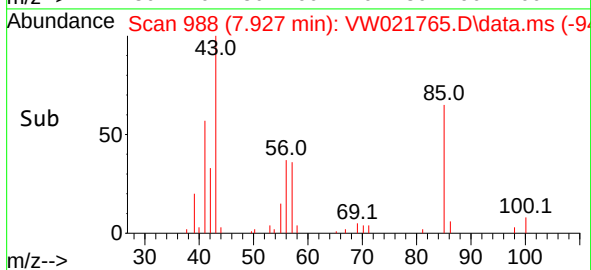
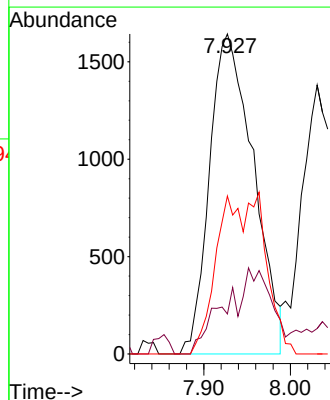
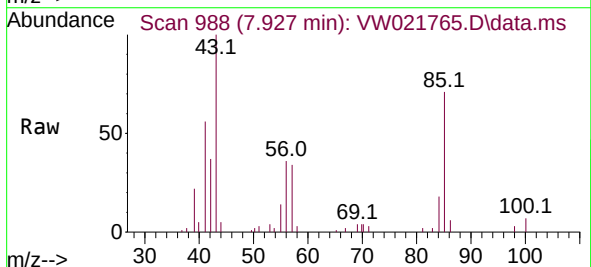
Instrument :
MSVOA_W
ClientSampleId :
BGLG8

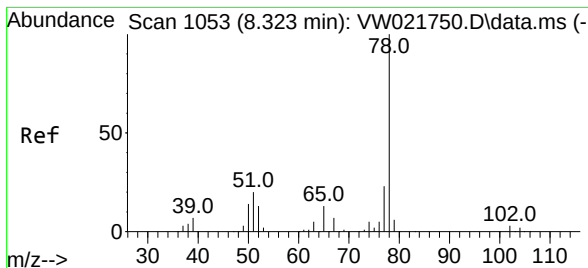
Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
72 19.9 11.8 35.4



#29
Cyclohexane
Concen: 1.280 ug/L
RT: 7.927 min Scan# 988
Delta R.T. -0.030 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

Tgt Ion: 56 Resp: 5797
Ion Ratio Lower Upper
56 100
69 0.9 23.5 35.3#
84 30.3 63.4 95.2#





#33

Benzene

Concen: 5.134 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

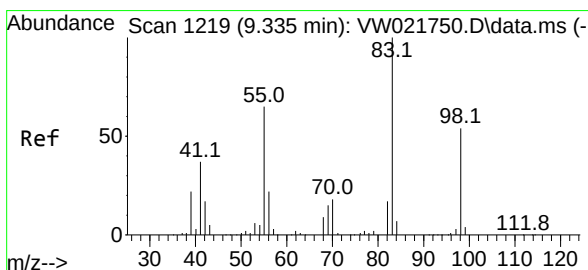
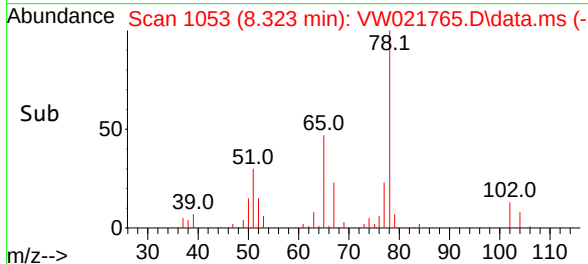
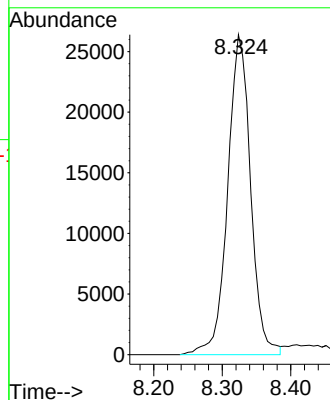
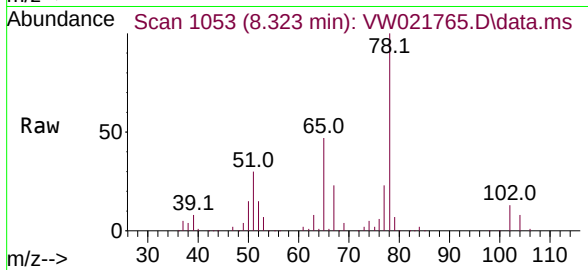
Instrument :

MSVOA_W

ClientSampleId :

BGLG8

Tgt Ion: 78 Resp: 61349



#35

Methylcyclohexane

Concen: 1.736 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

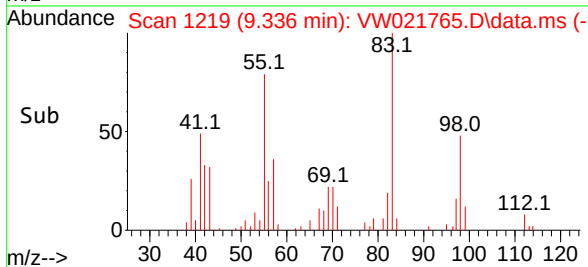
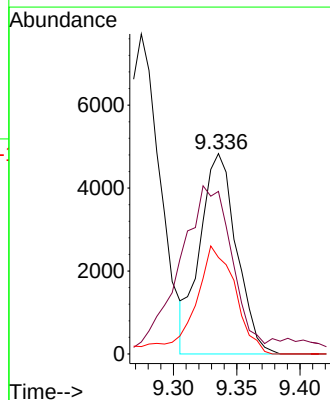
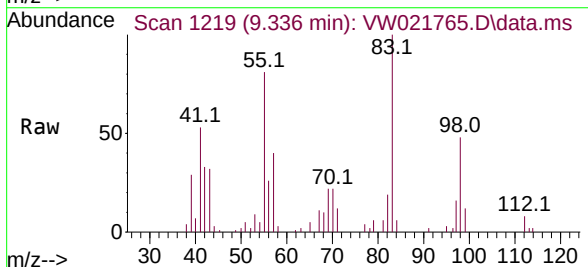
Tgt Ion: 83 Resp: 9715

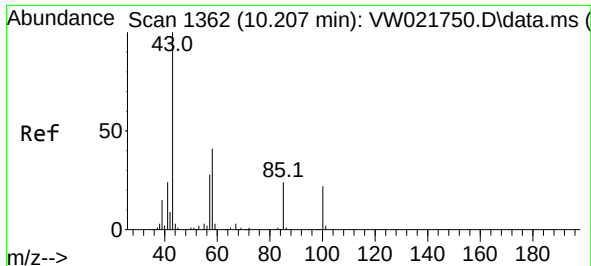
Ion Ratio Lower Upper

83 100

55 122.1 70.8 106.2#

98 56.8 37.7 56.5#





#40

4-Methyl-2-pentanone

Concen: 3.187 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

Instrument :

MSVOA_W

ClientSampleId :

BGLG8

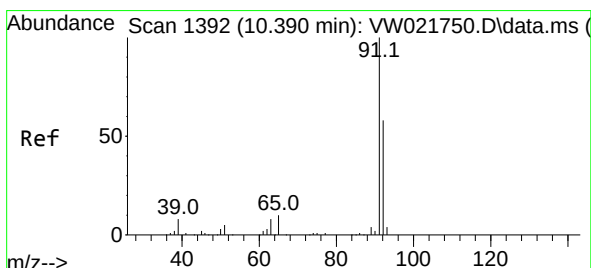
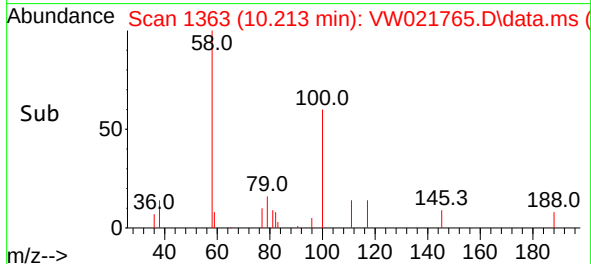
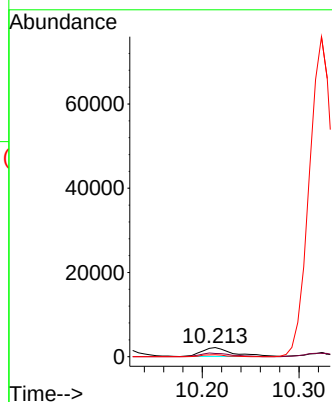
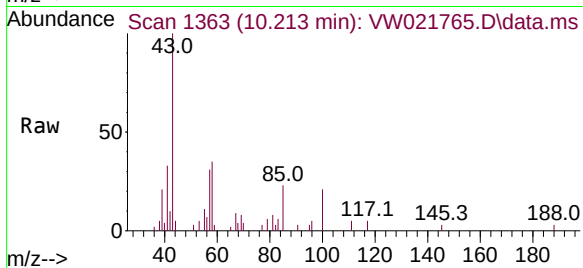
Tgt Ion: 43 Resp: 4649

Ion Ratio Lower Upper

43 100

58 40.5 28.8 43.2

100 17.4 10.0 15.0#



#42

Toluene

Concen: 38.679 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW021765.D

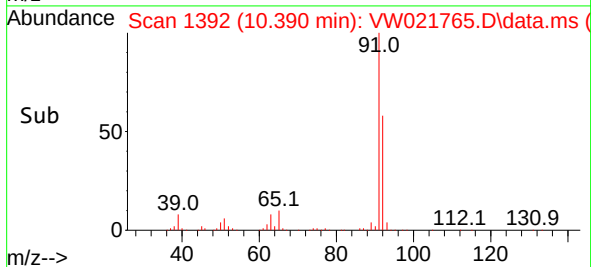
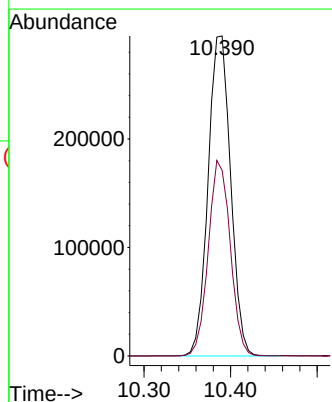
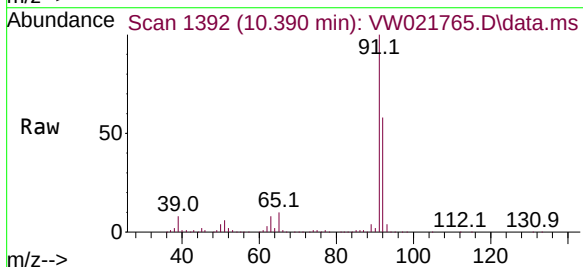
Acq: 06 Jan 2022 18:20

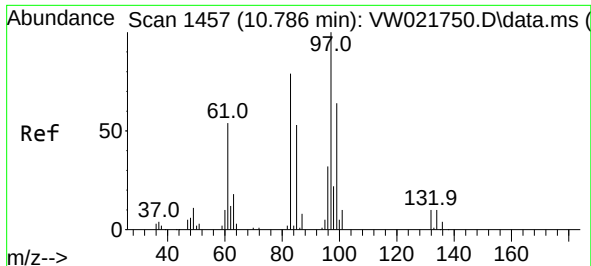
Tgt Ion: 91 Resp: 533552

Ion Ratio Lower Upper

91 100

92 58.0 41.7 77.5

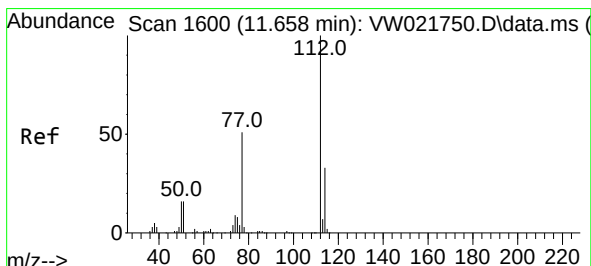
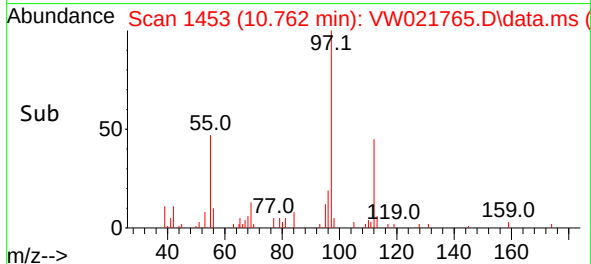
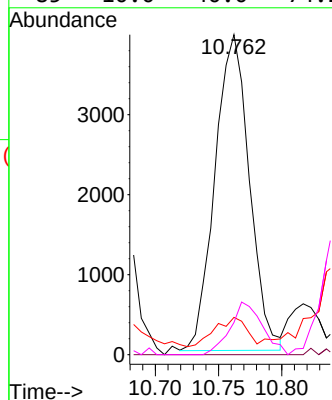
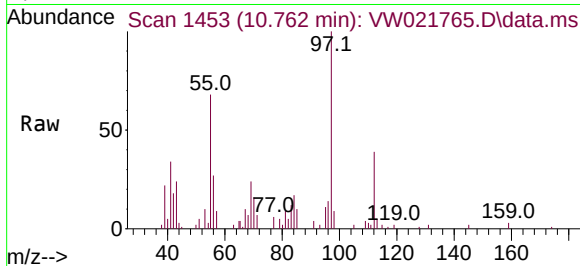




#45
1,1,2-Trichloroethane
Concen: 3.400 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

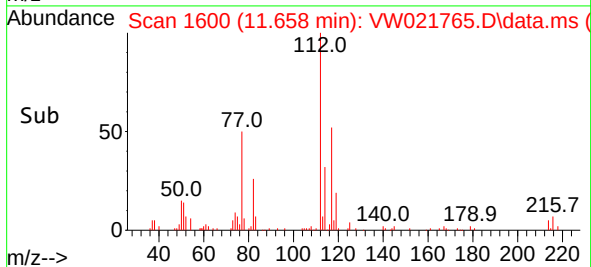
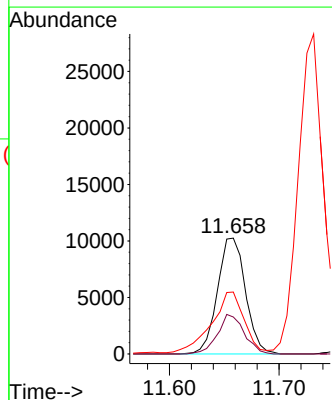
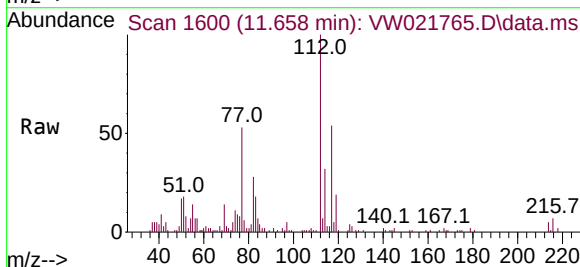
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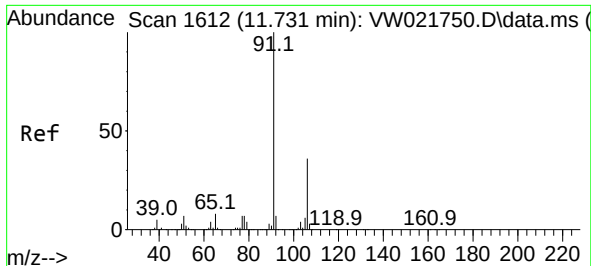
Tgt Ion:	97	Resp:	7479
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.0	79.8#
83	11.6	62.6	116.3#
85	10.0	40.0	74.2#



#51
Chlorobenzene
Concen: 2.046 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

Tgt Ion:	112	Resp:	18208
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	53.4	50.2	75.4

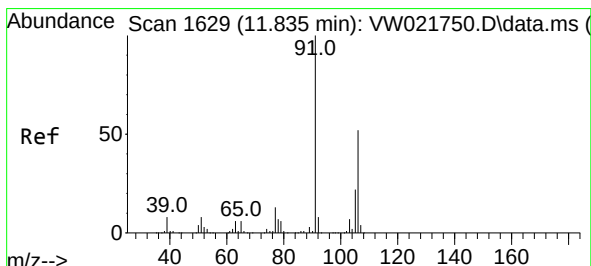
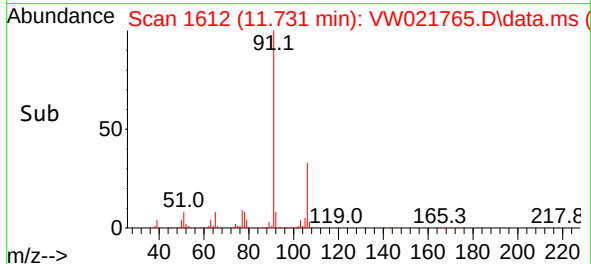
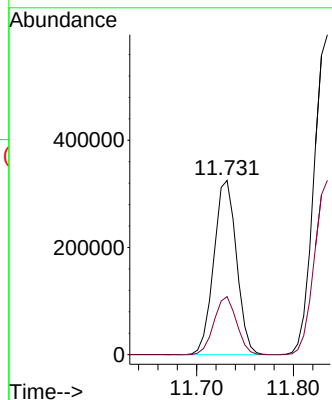
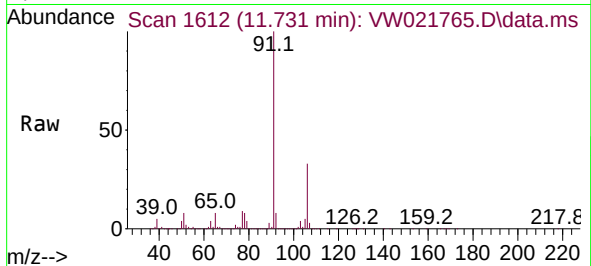




#52
Ethylbenzene
Concen: 34.233 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

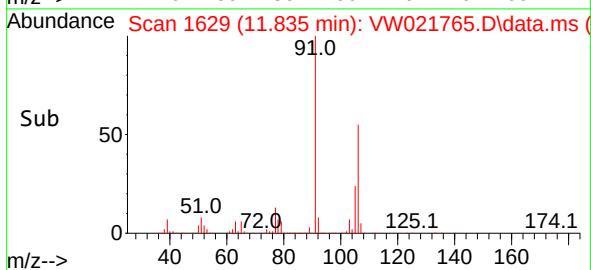
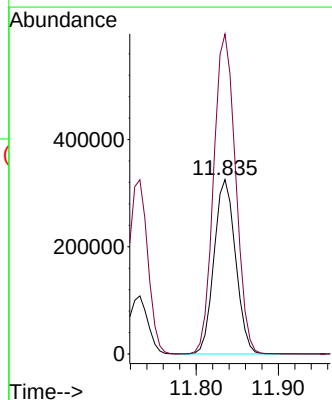
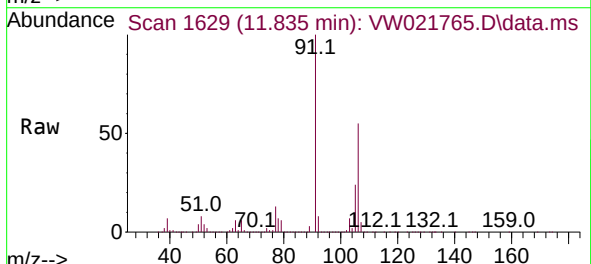
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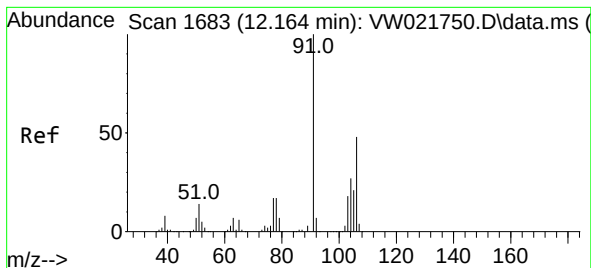
Tgt Ion: 91 Resp: 530074
Ion Ratio Lower Upper
91 100
106 33.3 21.5 39.9



#53
m,p-Xylene
Concen: 95.263 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

Tgt Ion:106 Resp: 591049
Ion Ratio Lower Upper
106 100
91 183.4 149.9 278.3





#54

o-Xylene

Concen: 37.247 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

Instrument :

MSVOA_W

ClientSampleId :

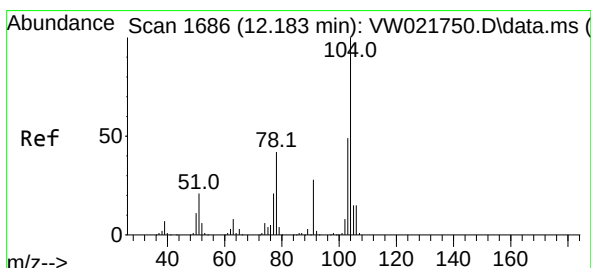
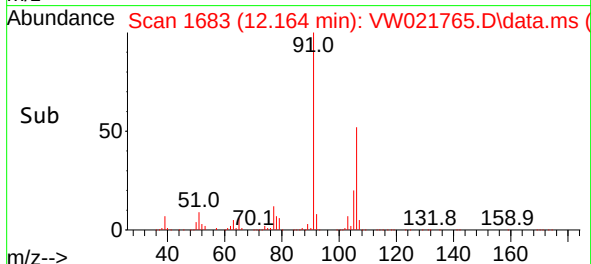
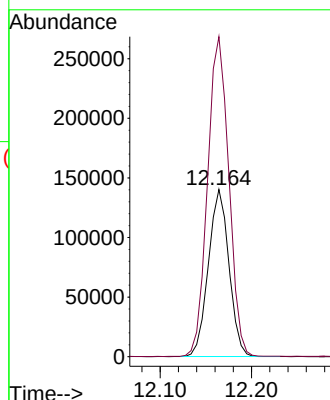
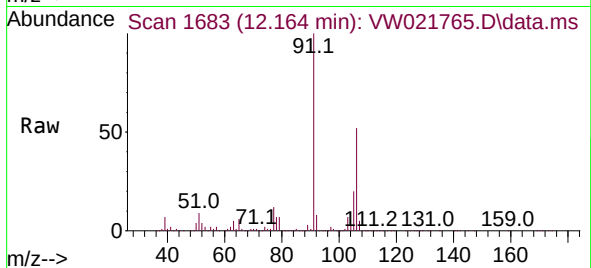
BGLG8

Tgt Ion:106 Resp: 219028

Ion Ratio Lower Upper

106 100

91 191.5 153.6 285.3



#55

Styrene

Concen: 1.341 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.018 min

Lab File: VW021765.D

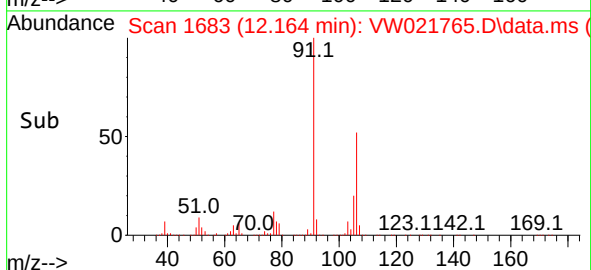
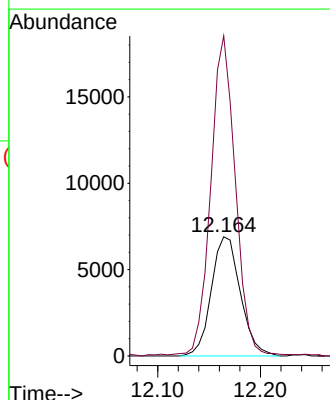
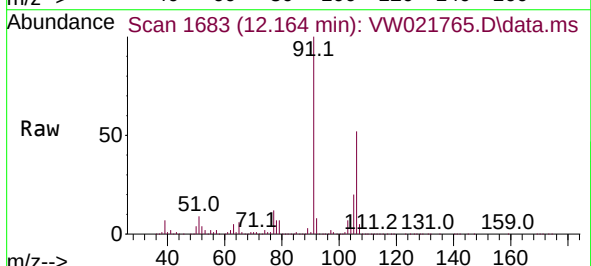
Acq: 06 Jan 2022 18:20

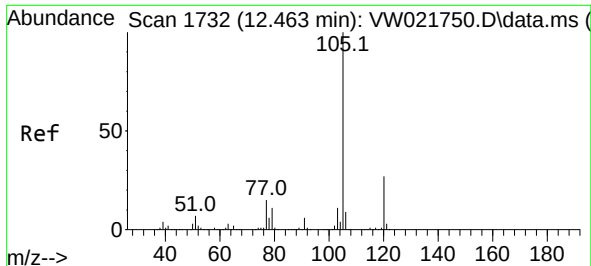
Tgt Ion:104 Resp: 13540

Ion Ratio Lower Upper

104 100

78 268.3 34.4 64.0#

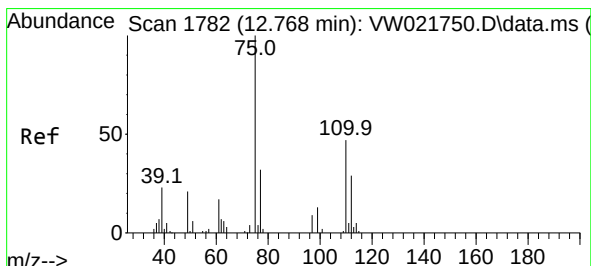
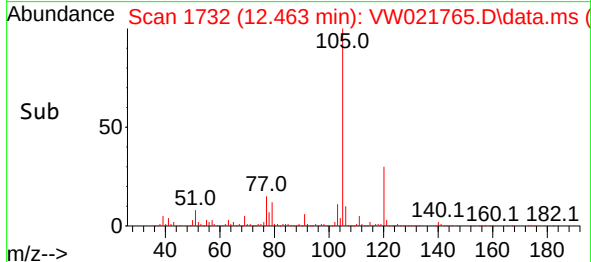
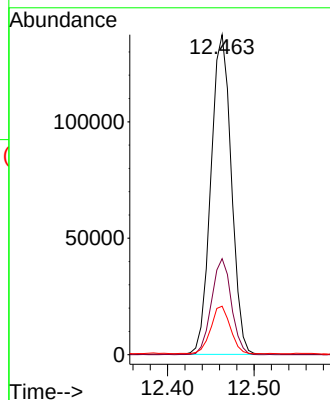
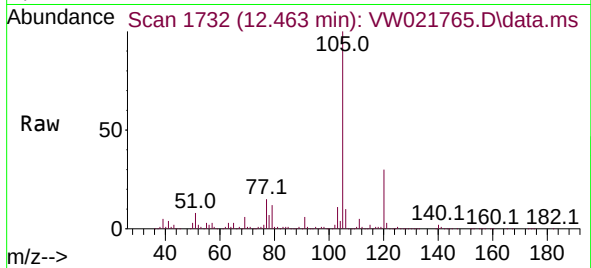




#60
Isopropylbenzene
Concen: 15.635 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

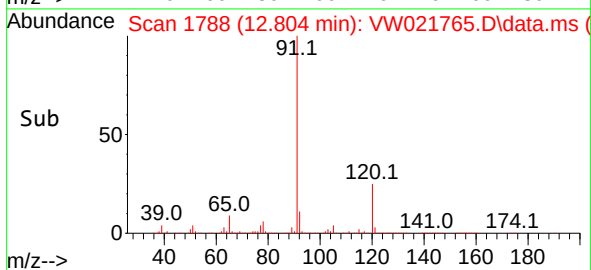
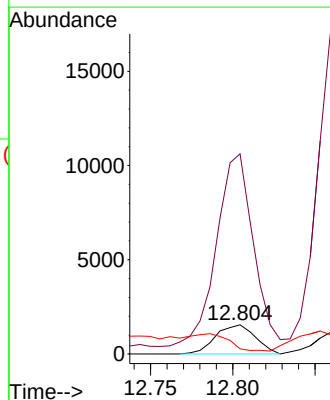
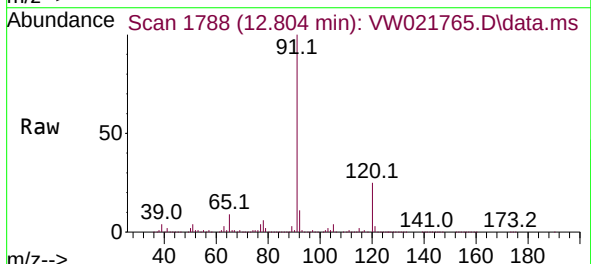
Instrument :
MSVOA_W
ClientSampleId :
BGLG8

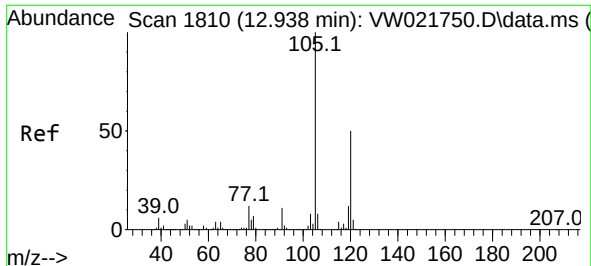
Tgt Ion:105 Resp: 224666
Ion Ratio Lower Upper
105 100
120 29.2 20.1 30.1
77 14.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 1.645 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.037 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

Tgt Ion: 75 Resp: 2595
Ion Ratio Lower Upper
75 100
77 614.1 25.8 38.8#
110 58.5 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 28.462 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

Instrument :

MSVOA_W

ClientSampleId :

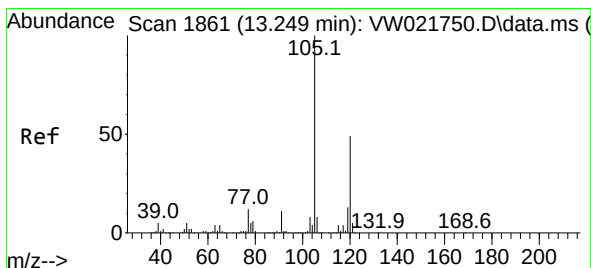
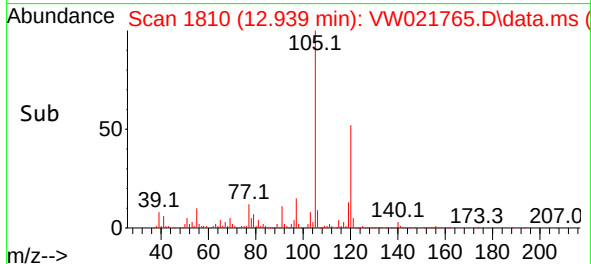
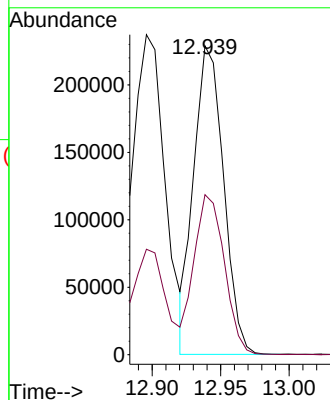
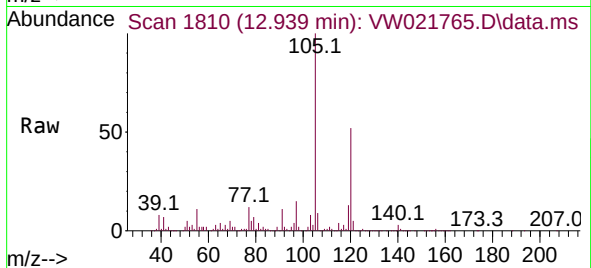
BGLG8

Tgt Ion:105 Resp: 345762

Ion Ratio Lower Upper

105 100

120 52.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 160.164 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW021765.D

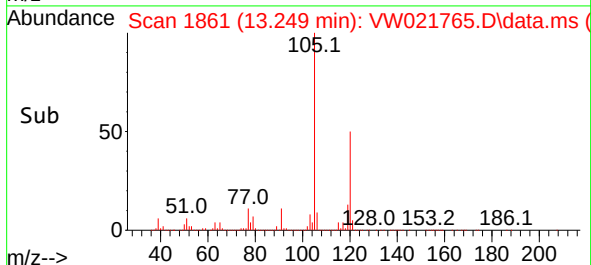
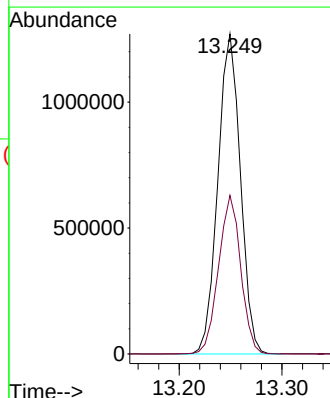
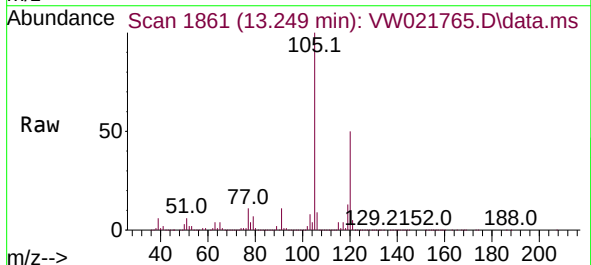
Acq: 06 Jan 2022 18:20

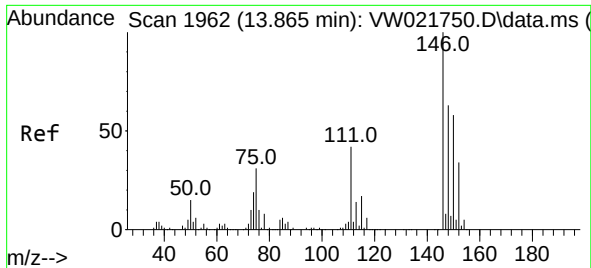
Tgt Ion:105 Resp: 1932724

Ion Ratio Lower Upper

105 100

120 48.8 35.0 52.6

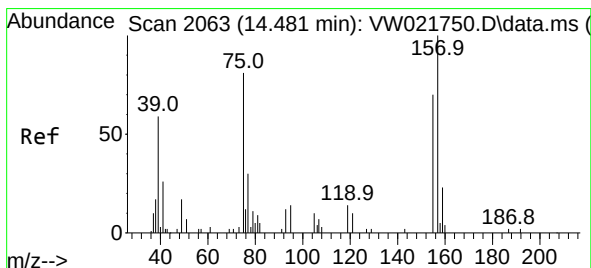
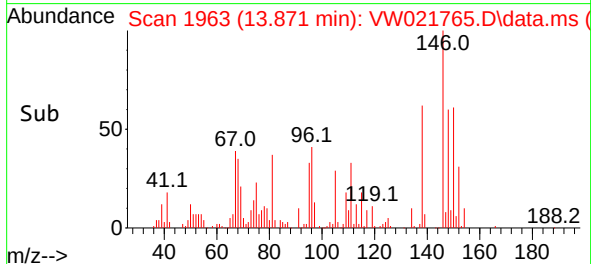
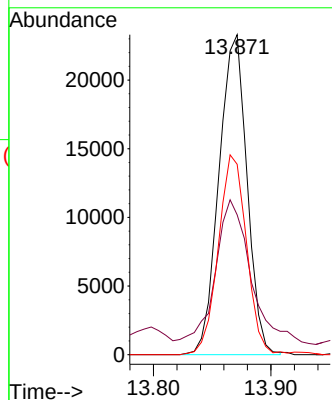
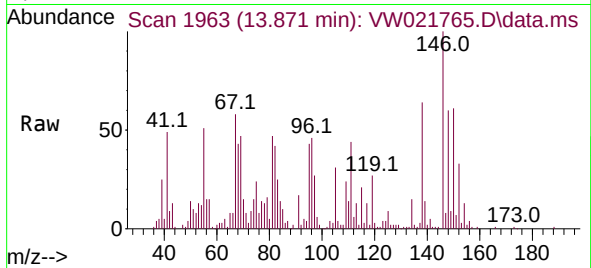




#67
1,2-Dichlorobenzene
Concen: 6.540 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

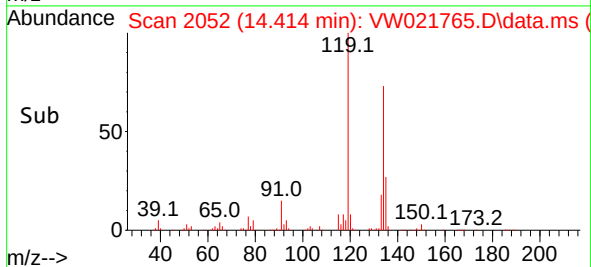
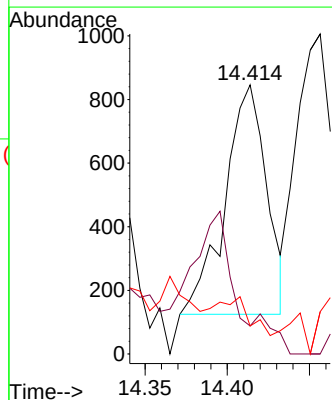
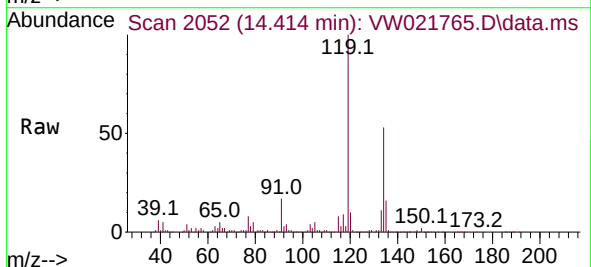
Instrument :
MSVOA_W
ClientSampleId :
BGLG8

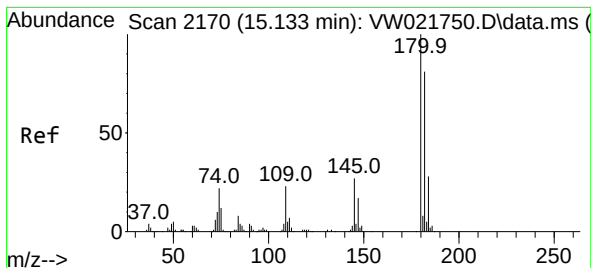
Tgt Ion:146 Resp: 38741
Ion Ratio Lower Upper
146 100
111 43.7 33.1 49.7
148 59.5 47.4 71.2



#68
1,2-Dibromo-3-chloropropane
Concen: 3.662 ug/L
RT: 14.414 min Scan# 2052
Delta R.T. -0.067 min
Lab File: VW021765.D
Acq: 06 Jan 2022 18:20

Tgt Ion: 75 Resp: 1272
Ion Ratio Lower Upper
75 100
155 10.4 54.2 81.2#
157 10.4 69.4 104.2#





#70

1,2,4-trichlorobenzene

Concen: 7.989 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

Instrument :

MSVOA_W

ClientSampleId :

BGLG8

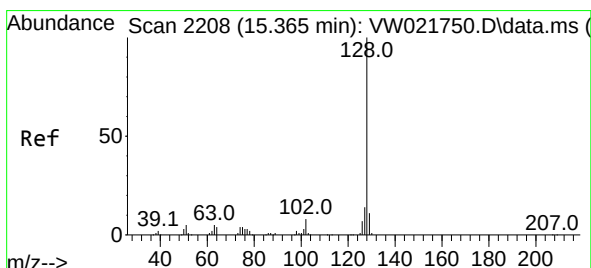
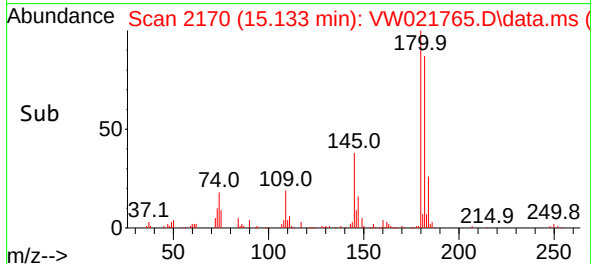
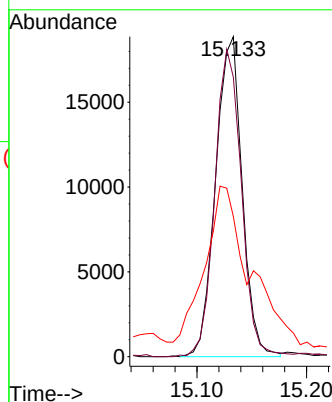
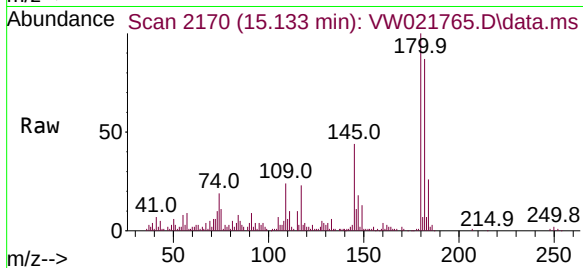
Tgt Ion:180 Resp: 31783

Ion Ratio Lower Upper

180 100

182 96.4 79.0 118.6

145 61.4 26.0 39.0#



#71

Naphthalene

Concen: 919.478 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VW021765.D

Acq: 06 Jan 2022 18:20

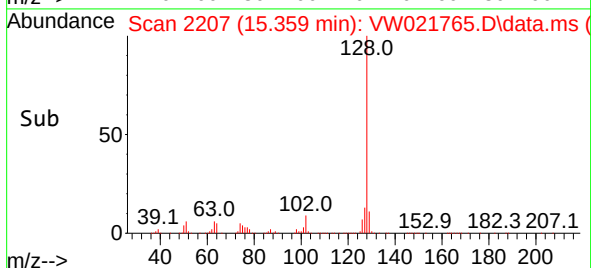
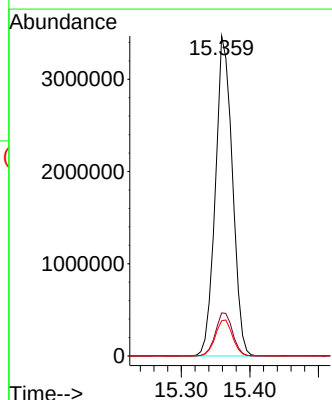
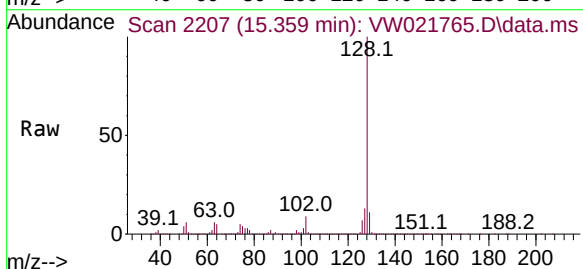
Tgt Ion:128 Resp: 5951465

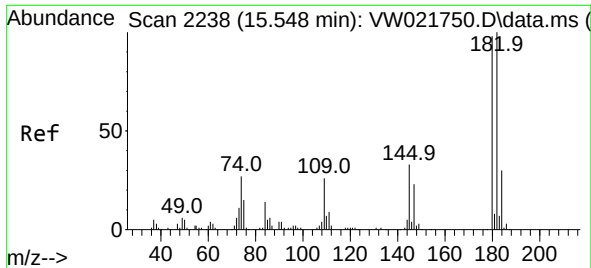
Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

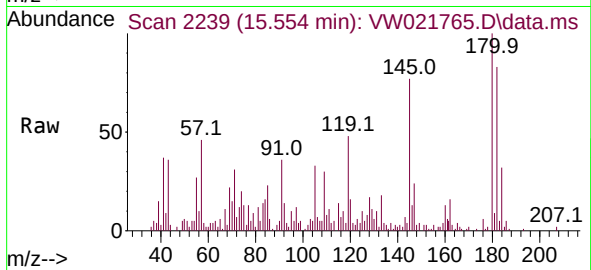
129 11.3 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 2.992 ug/L
 RT: 15.554 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW021765.D
 Acq: 06 Jan 2022 18:20

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLG8



Tgt Ion:180 Resp: 10019
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 133.4 27.4 41.0#

