

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011522\
 Data File : VW021936.D
 Acq On : 15 Jan 2022 04:31
 Operator : SY/VA
 Sample : N1155-02
 Misc : 5.94g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLT5

Quant Time: Jan 17 03:26:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jan 17 03:23:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	116393	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	58325	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	23610	25.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	42118	19.469	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.880%
7) Chloroethane-d5	2.885	69	35023	17.928	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.720%
11) 1,1-Dichloroethene-d2	4.019	63	46772	13.694	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.760%
21) 2-Butanone-d5	7.080	46	27427	89.822	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	179.640%#
24) Chloroform-d	7.647	84	79080	21.031	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.120%
26) 1,2-Dichloroethane-d4	8.305	65	46031	25.350	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	8.275	84	138541	36.607	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	146.440%#
36) 1,2-Dichloropropane-d6	9.274	67	40548	40.649	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	162.600%#
41) Toluene-d8	10.323	98	89657	23.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	10.579	79	14983	35.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	141.520%#
47) 2-Hexanone-d5	10.920	63	22711	167.790	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	335.580%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	24182	31.002	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.000%#
66) 1,2-Dichlorobenzene-d4	13.859	152	15547	16.014	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	64.040%#
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	38593	152.982	ug/L	88
14) Carbon disulfide	4.385	76	8612	1.893	ug/L	98
22) 2-Butanone	7.177	43	13953	43.271	ug/L	82
29) Cyclohexane	7.951	56	46942	35.976	ug/L	92
33) Benzene	8.323	78	1160515	324.492	ug/L	100
34) Trichloroethene	9.092	95	4189	4.037	ug/L	# 84
35) Methylcyclohexane	9.335	83	66051	38.710	ug/L	# 92
37) 1,2-Dichloropropane	9.274	63	4990	6.405	ug/L	# 1
38) Bromodichloromethane	9.616	83	3061	2.814	ug/L	# 38
39) cis-1,3-Dichloropropene	10.036	75	1302	1.075	ug/L	# 38
40) 4-Methyl-2-pentanone	10.207	43	6028	16.470	ug/L	# 75
42) Toluene	10.384	91	1119113	278.999	ug/L	99
45) 1,1,2-Trichloroethane	10.762	97	19591	29.616	ug/L	# 26
46) Tetrachloroethene	10.866	164	6086	5.932	ug/L	91
48) 2-Hexanone	10.933	43	30992	123.760	ug/L	# 21
51) Chlorobenzene	11.658	112	6960	2.458	ug/L	94
52) Ethylbenzene	11.731	91	2745701	616.192	ug/L	96
53) m,p-Xylene	11.835	106	2816648	1511.673	ug/L	88
54) o-Xylene	12.164	106	1318319	762.122	ug/L	89

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

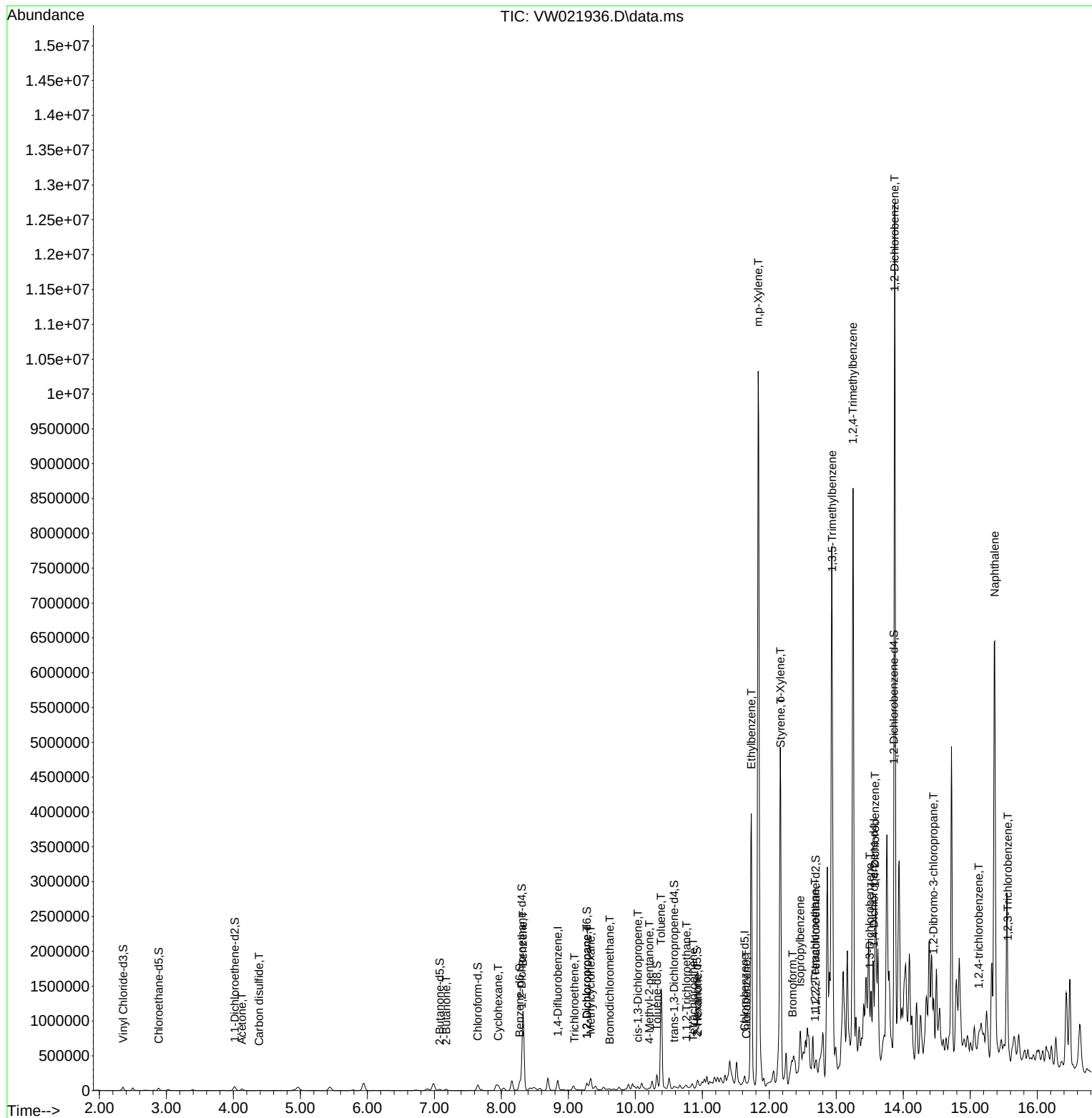
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
55) Styrene	12.170	104	105241	36.852	ug/L	#	1
57) 1,1,2,2-Tetrachloroethane	12.682	83	9999	14.049	ug/L		82
59) Bromoform	12.347	173	569	1.768	ug/L	#	56
60) Isopropylbenzene	12.463	105	373453	116.155	ug/L		95
62) 1,3,5-Trimethylbenzene	12.938	105	1374267	516.177	ug/L		92
63) 1,2,4-Trimethylbenzene	13.249	105	4175742	1590.286	ug/L		91
64) 1,3-Dichlorobenzene	13.499	146	3931	2.432	ug/L	#	1
65) 1,4-Dichlorobenzene	13.579	146	5171	3.240	ug/L	#	1
67) 1,2-Dichlorobenzene	13.871	146	162478	114.801	ug/L	#	75
68) 1,2-Dibromo-3-chloropr...	14.450	75	7008	107.554	ug/L	#	29
70) 1,2,4-trichlorobenzene	15.127	180	65793	68.727	ug/L	#	74
71) Naphthalene	15.365	128	5191129	3515.283	ug/L		99
72) 1,2,3-Trichlorobenzene	15.560	180	10966	13.871	ug/L	#	5

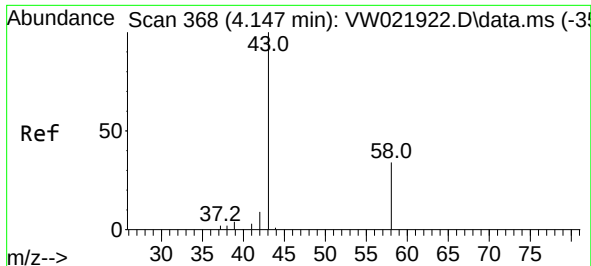
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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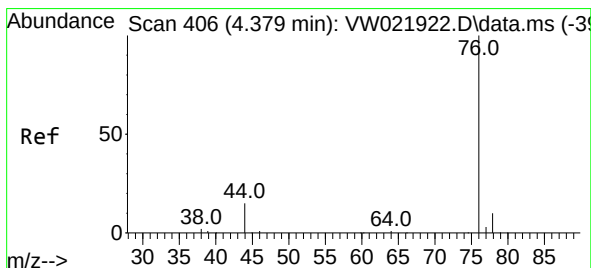
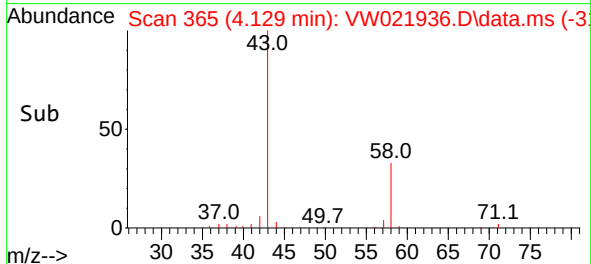
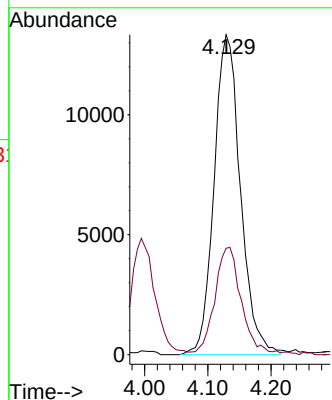
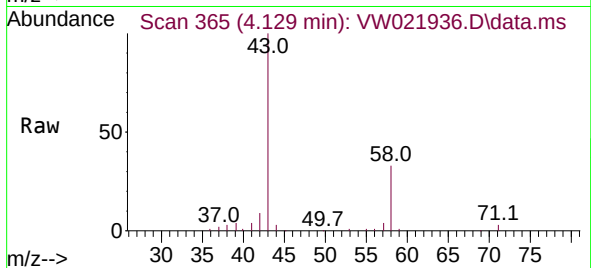




#13
Acetone
Concen: 152.982 ug/L
RT: 4.129 min Scan# 30
Delta R.T. -0.018 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

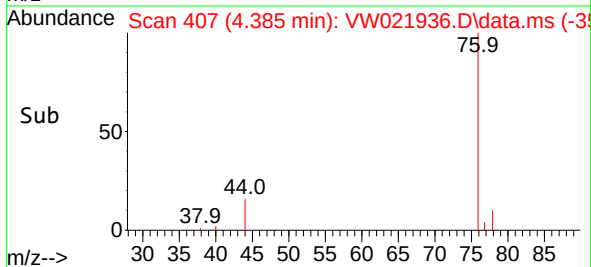
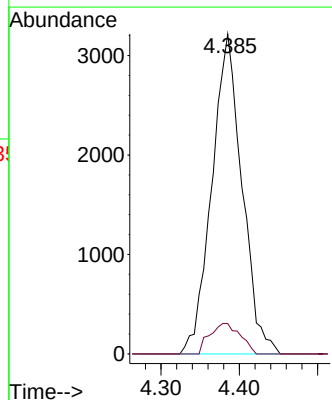
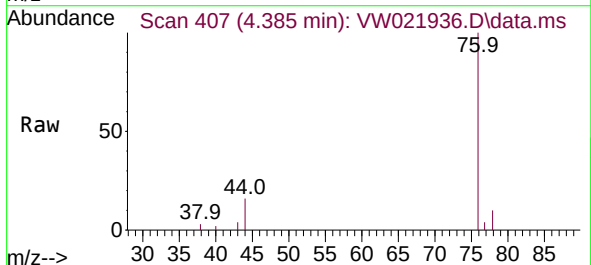
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

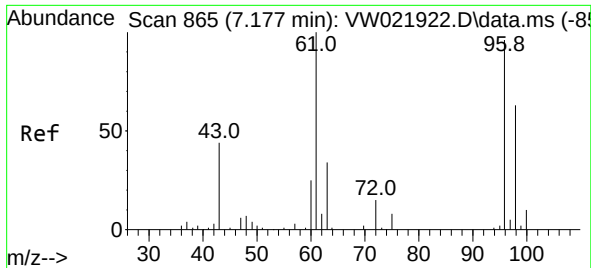
Tgt Ion: 43 Resp: 38593
Ion Ratio Lower Upper
43 100
58 32.6 0.0 52.8



#14
Carbon disulfide
Concen: 1.893 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.006 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion: 76 Resp: 8612
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

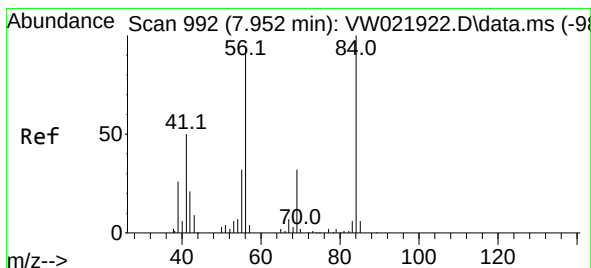
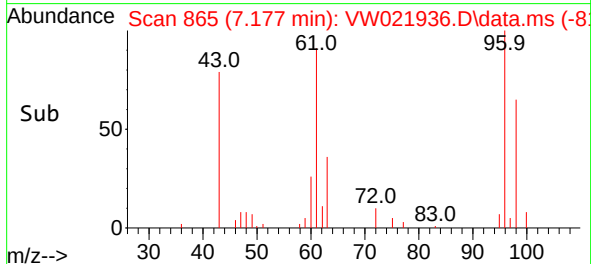
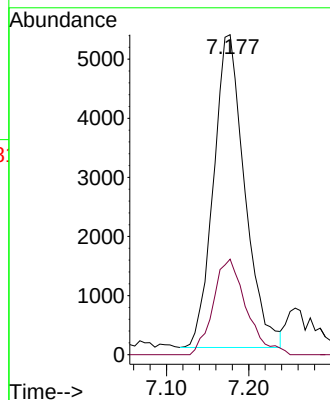
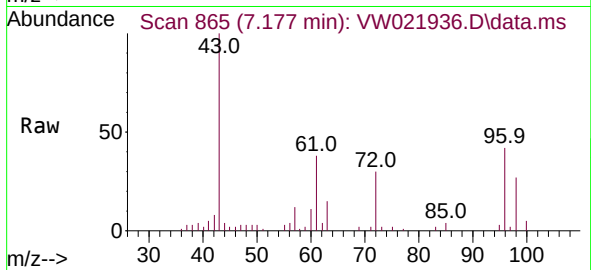




#22
2-Butanone
Concen: 43.271 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

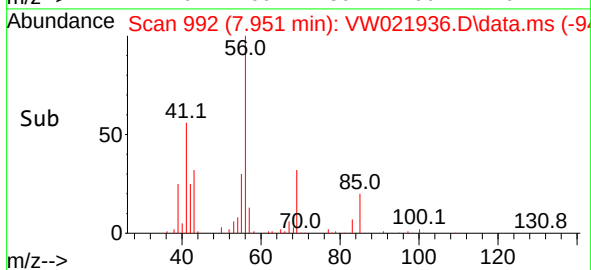
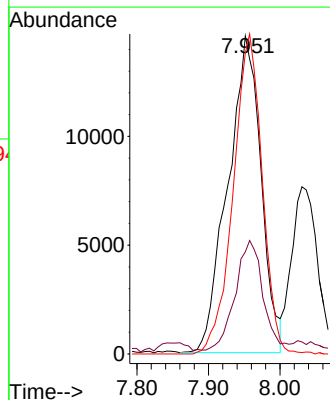
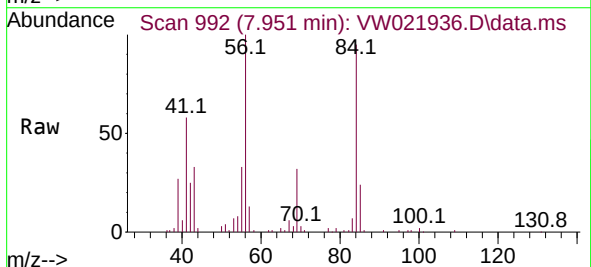
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

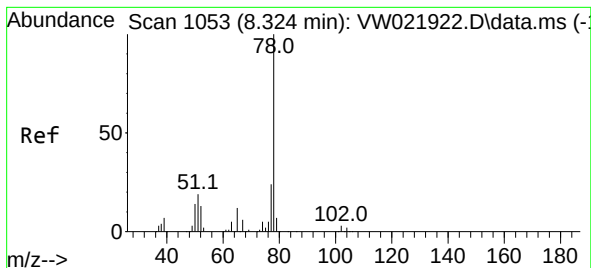
Tgt Ion: 43 Resp: 13953
Ion Ratio Lower Upper
43 100
72 32.4 11.8 35.4



#29
Cyclohexane
Concen: 35.976 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion: 56 Resp: 46942
Ion Ratio Lower Upper
56 100
69 28.2 23.5 35.3
84 87.9 63.4 95.2





#33

Benzene

Concen: 324.492 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

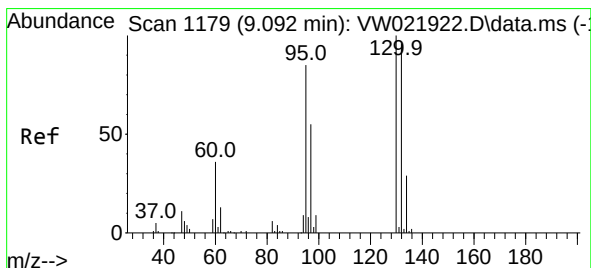
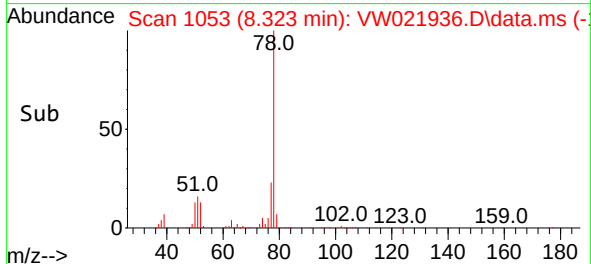
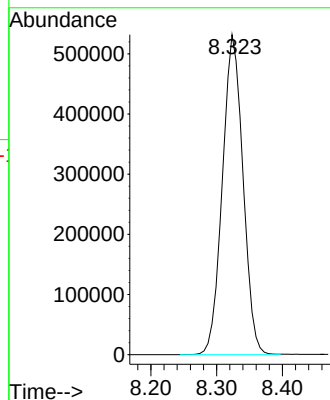
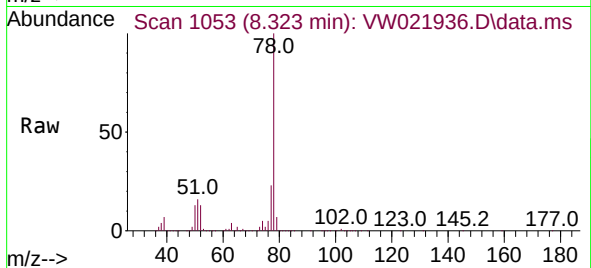
Instrument :

MSVOA_W

ClientSampleId :

BGLT5

Tgt Ion: 78 Resp: 1160515



#34

Trichloroethene

Concen: 4.037 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

Tgt Ion: 95 Resp: 4189

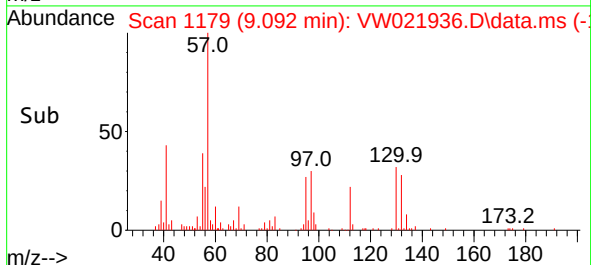
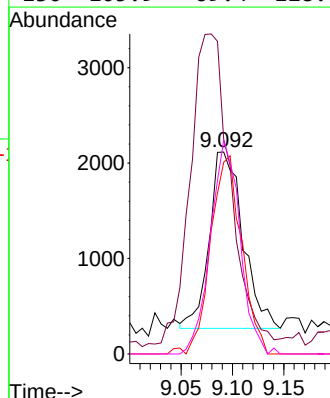
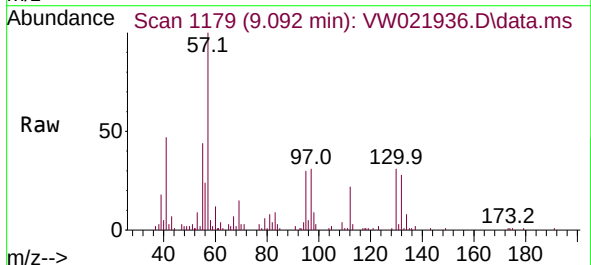
Ion Ratio Lower Upper

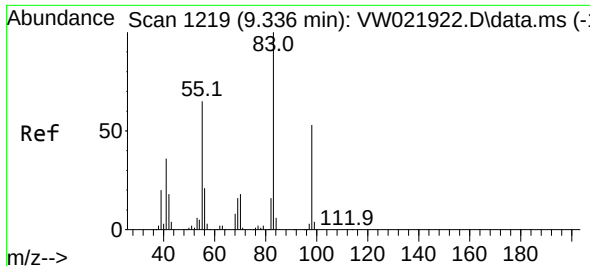
95 100

97 106.2 47.0 87.2#

132 94.9 65.5 121.6

130 105.9 69.4 128.8

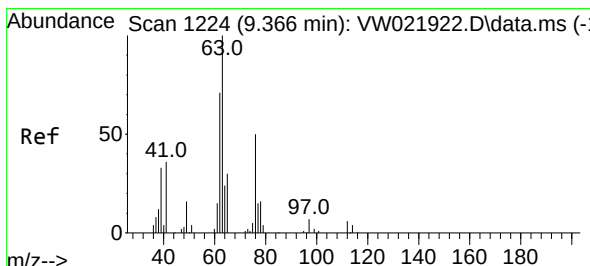
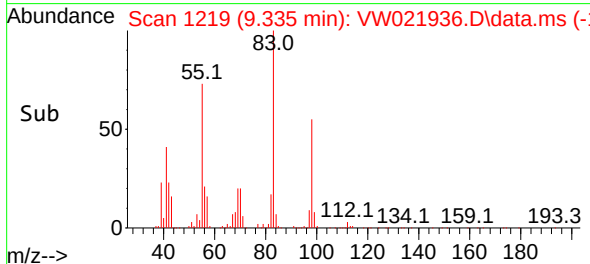
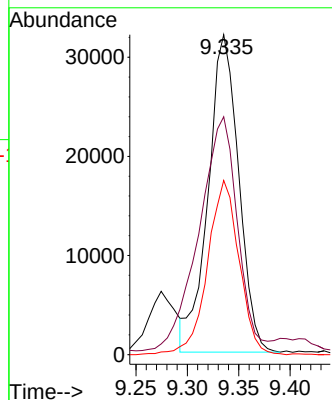
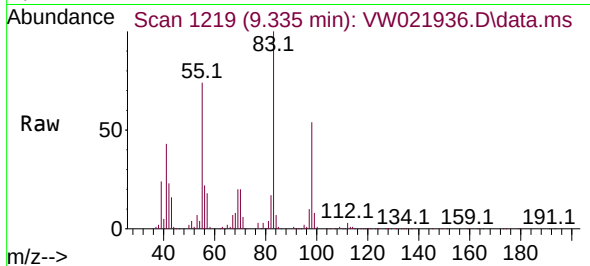




#35
Methylcyclohexane
Concen: 38.710 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

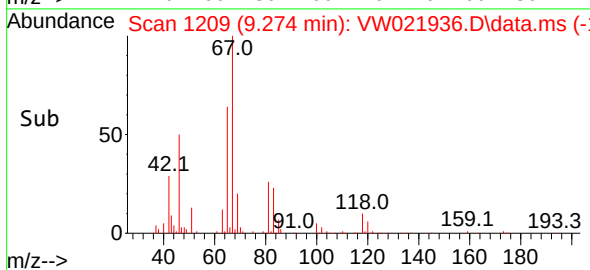
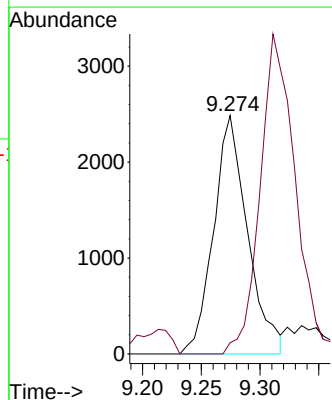
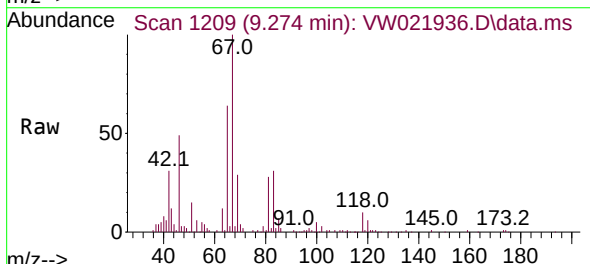
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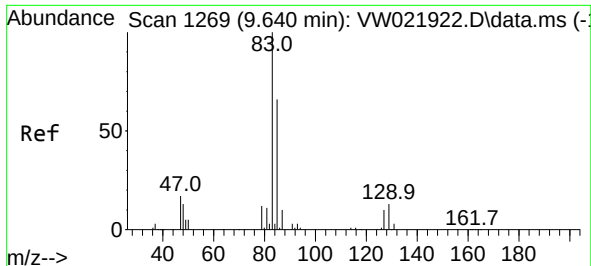
Tgt Ion: 83 Resp: 66051
Ion Ratio Lower Upper
83 100
55 92.8 70.8 106.2
98 57.0 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 6.405 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.092 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion: 63 Resp: 4990
Ion Ratio Lower Upper
63 100
112 137.5 3.2 4.8#





#38

Bromodichloromethane

Concen: 2.814 ug/L

RT: 9.616 min Scan# 11

Delta R.T. -0.025 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

Instrument :

MSVOA_W

ClientSampleId :

BGLT5

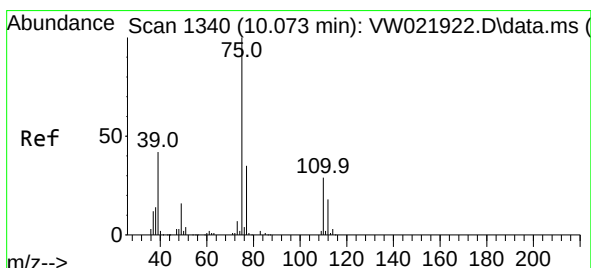
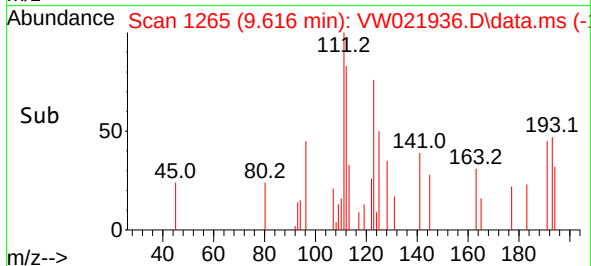
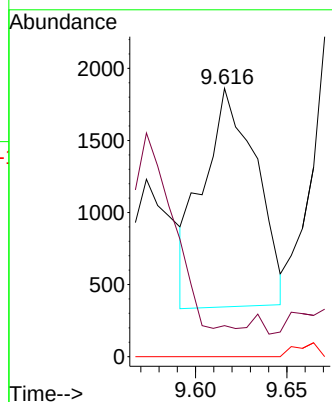
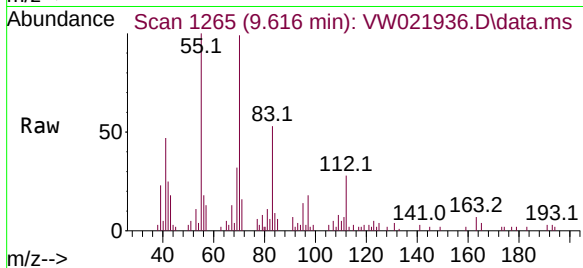
Tgt Ion: 83 Resp: 3061

Ion Ratio Lower Upper

83 100

85 11.6 44.1 81.9#

127 0.0 6.1 9.1#



#39

cis-1,3-Dichloropropene

Concen: 1.075 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021936.D

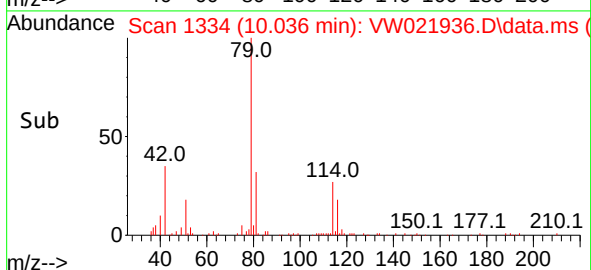
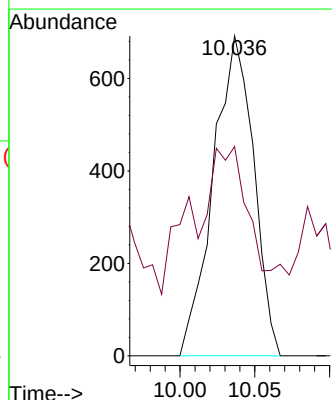
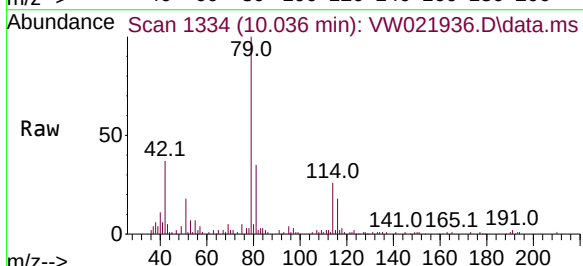
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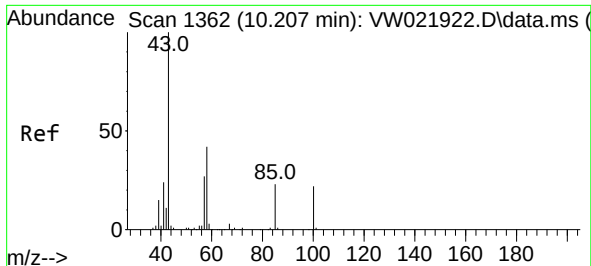
Tgt Ion: 75 Resp: 1302

Ion Ratio Lower Upper

75 100

77 65.5 21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 16.470 ug/L

RT: 10.207 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

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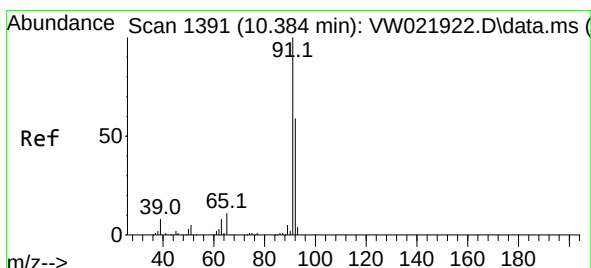
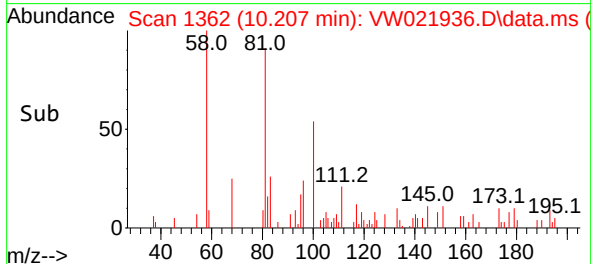
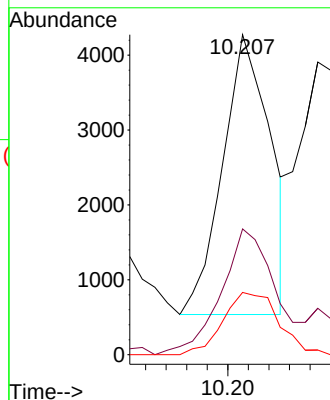
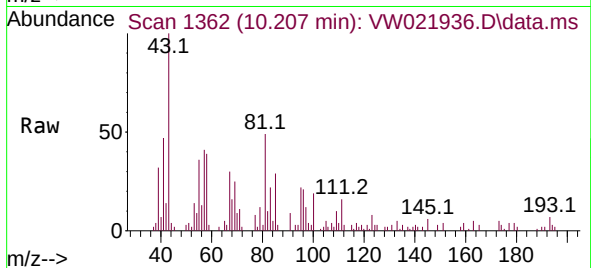
Tgt Ion: 43 Resp: 6028

Ion Ratio Lower Upper

43 100

58 49.1 28.8 43.2#

100 25.9 10.0 15.0#



#42

Toluene

Concen: 278.999 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW021936.D

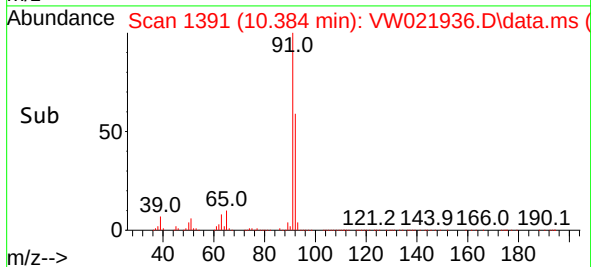
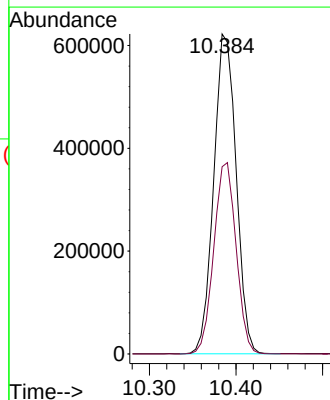
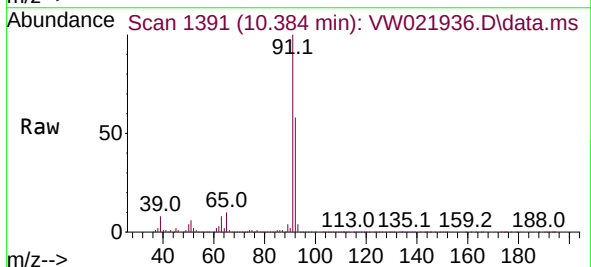
Acq: 15 Jan 2022 04:31

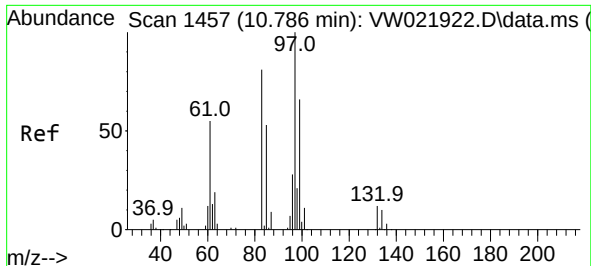
Tgt Ion: 91 Resp: 1119113

Ion Ratio Lower Upper

91 100

92 58.5 41.7 77.5

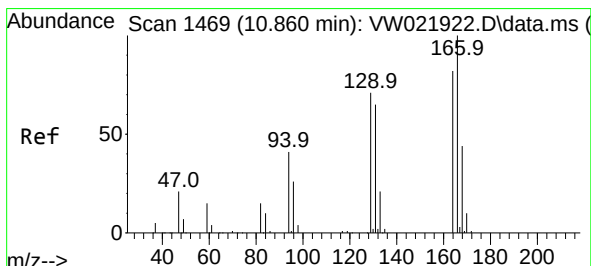
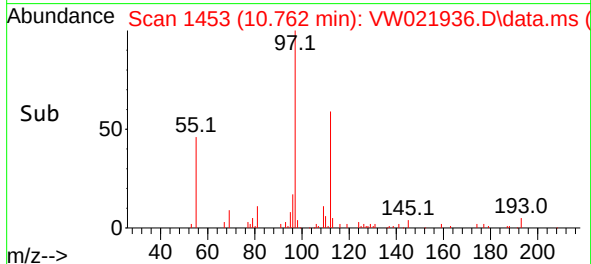
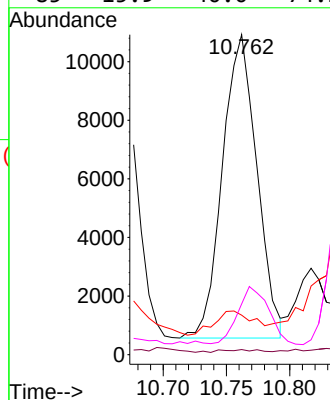
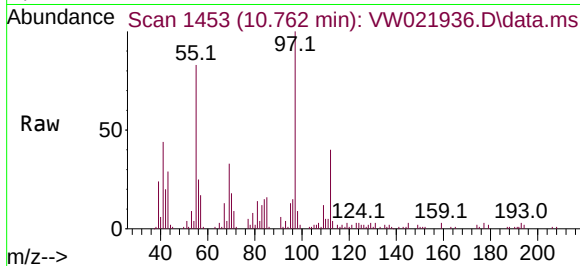




#45
1,1,2-Trichloroethane
Concen: 29.616 ug/L
RT: 10.762 min Scan# 1457
Delta R.T. -0.025 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

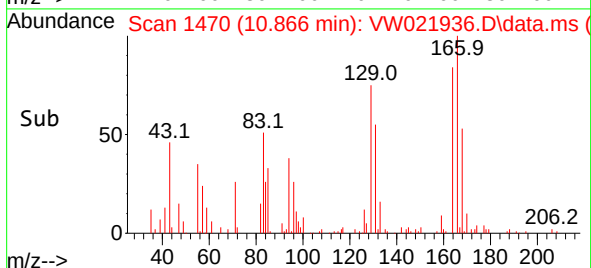
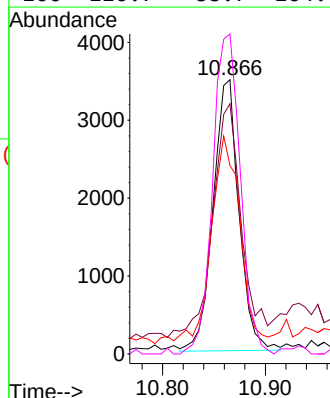
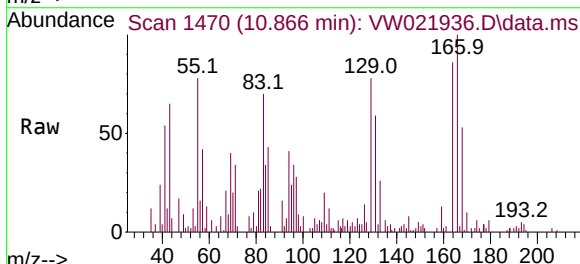
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

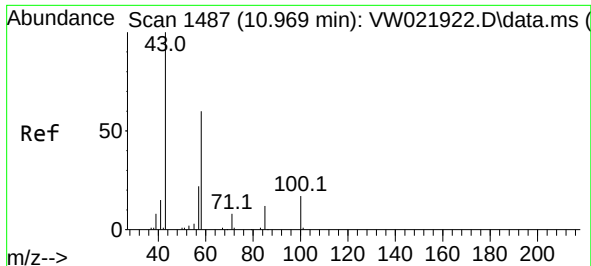
Tgt Ion:	97	Resp:	19591
Ion	Ratio	Lower	Upper
97	100		
99	1.6	43.0	79.8#
83	12.4	62.6	116.3#
85	15.9	40.0	74.2#



#46
Tetrachloroethene
Concen: 5.932 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion:	164	Resp:	6086
Ion	Ratio	Lower	Upper
164	100		
129	91.3	65.5	121.7
131	68.7	59.7	110.9
166	116.7	88.7	164.7

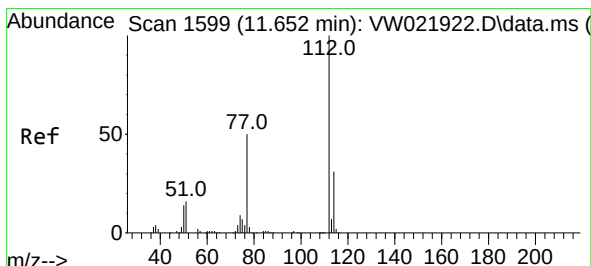
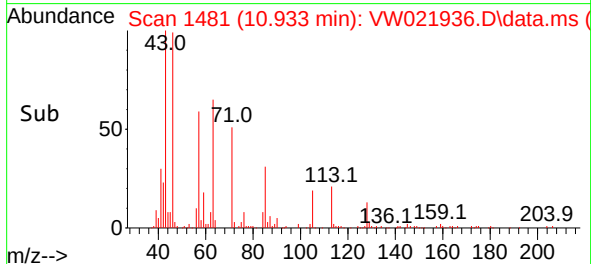
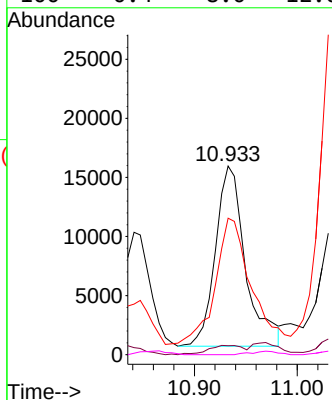
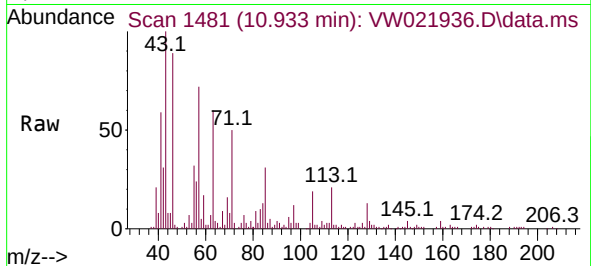




#48
2-Hexanone
Concen: 123.760 ug/L
RT: 10.933 min Scan# 14
Delta R.T. -0.037 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

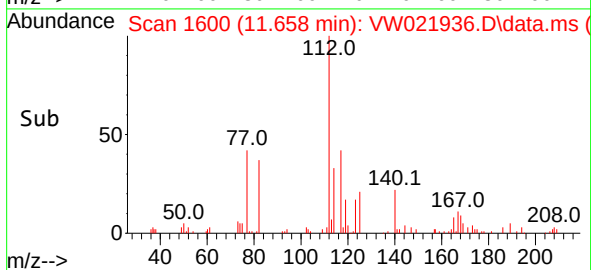
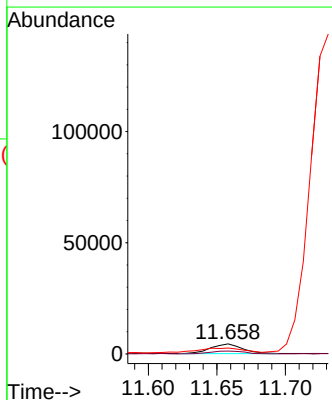
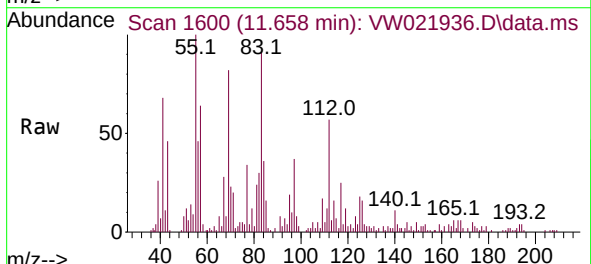
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

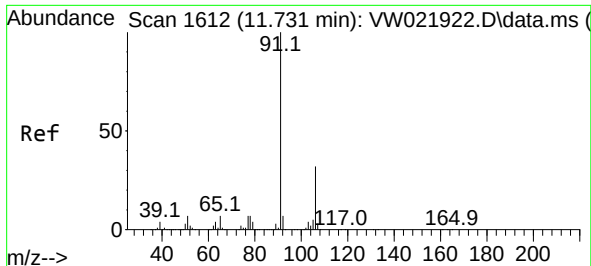
Tgt Ion: 43 Resp: 30992
Ion Ratio Lower Upper
43 100
58 4.7 40.2 60.2#
57 82.9 14.3 21.5#
100 0.4 8.0 12.0#



#51
Chlorobenzene
Concen: 2.458 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion: 112 Resp: 6960
Ion Ratio Lower Upper
112 100
114 28.3 22.4 41.6
77 58.9 50.2 75.4

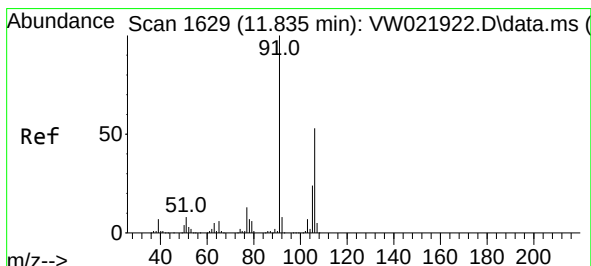
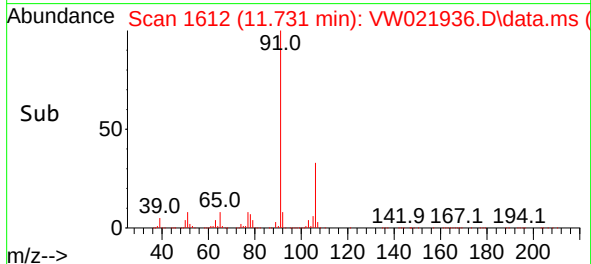
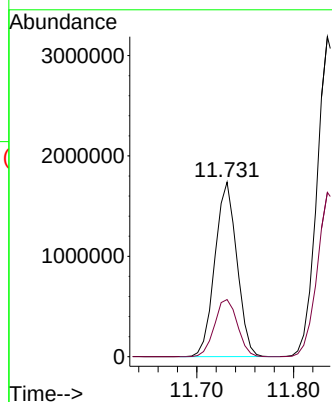
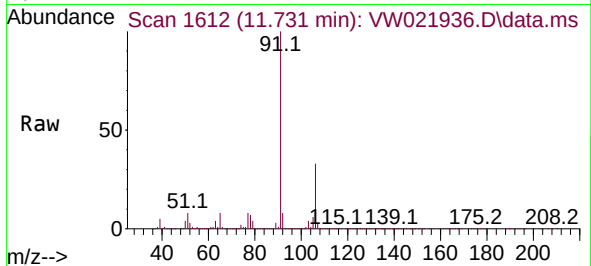




#52
Ethylbenzene
Concen: 616.192 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

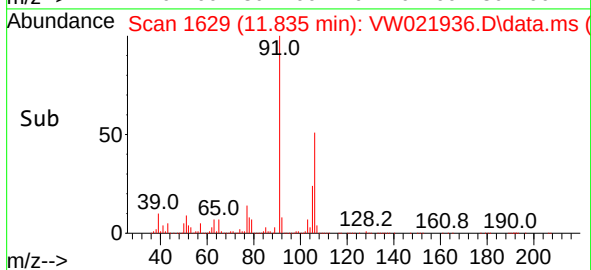
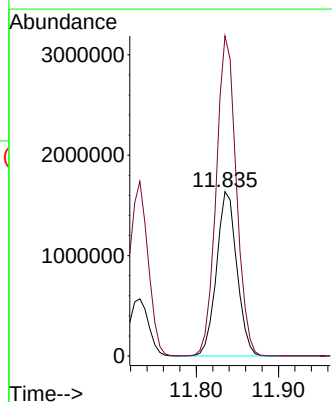
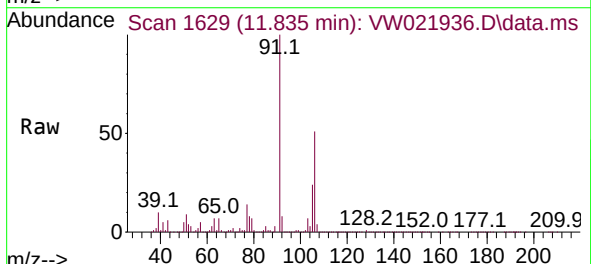
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

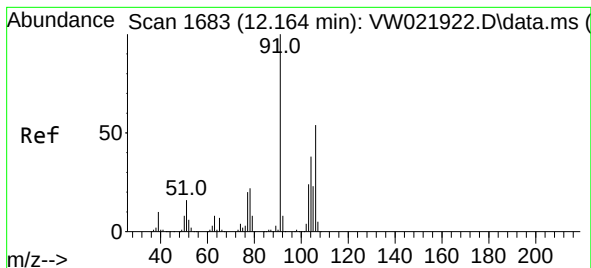
Tgt Ion: 91 Resp: 2745701
Ion Ratio Lower Upper
91 100
106 32.7 21.5 39.9



#53
m,p-Xylene
Concen: 1511.673 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion: 106 Resp: 2816648
Ion Ratio Lower Upper
106 100
91 194.7 149.9 278.3

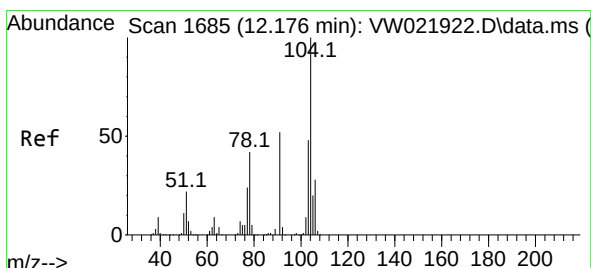
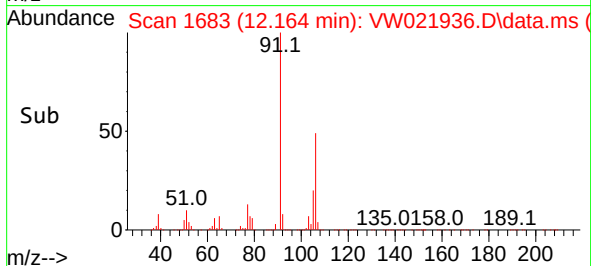
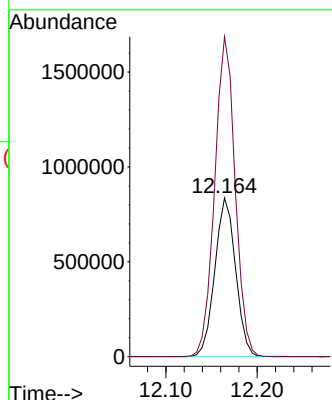
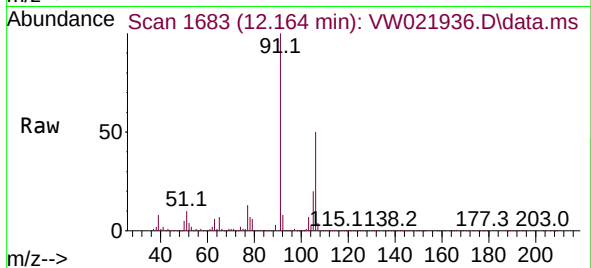




#54
o-Xylene
Concen: 762.122 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

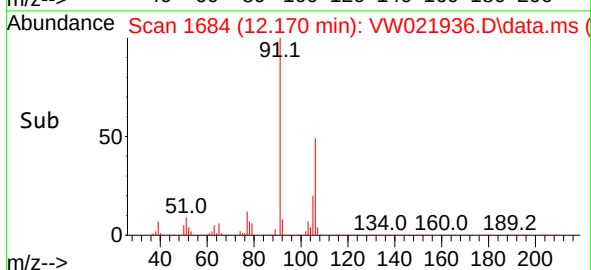
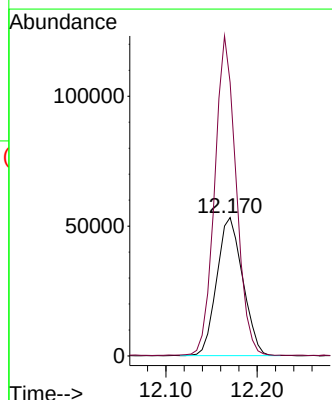
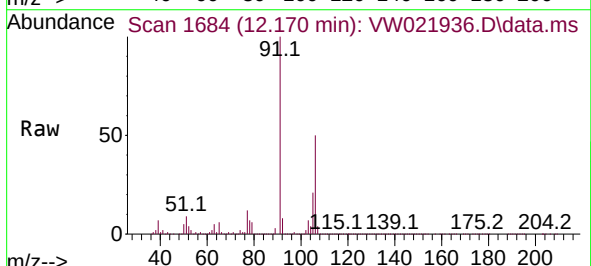
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

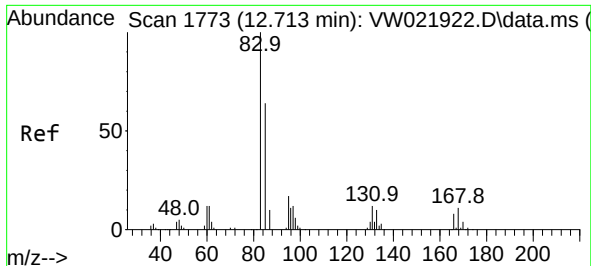
Tgt Ion:106 Resp: 1318319
Ion Ratio Lower Upper
106 100
91 201.7 153.6 285.3



#55
Styrene
Concen: 36.852 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion:104 Resp: 105241
Ion Ratio Lower Upper
104 100
78 197.7 34.4 64.0#





#57

1,1,2,2-Tetrachloroethane

Concen: 14.049 ug/L

RT: 12.682 min Scan# 1

Delta R.T. -0.031 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

Instrument :

MSVOA_W

ClientSampleId :

BGLT5

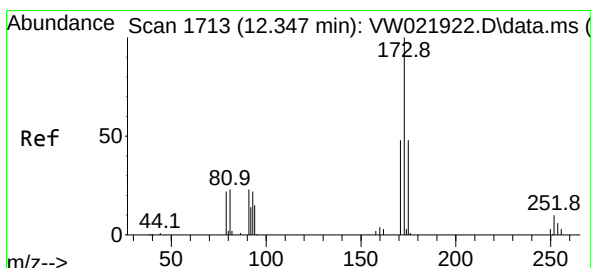
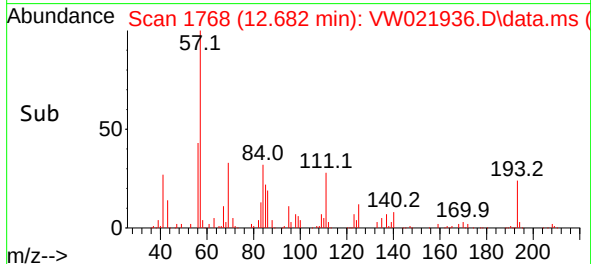
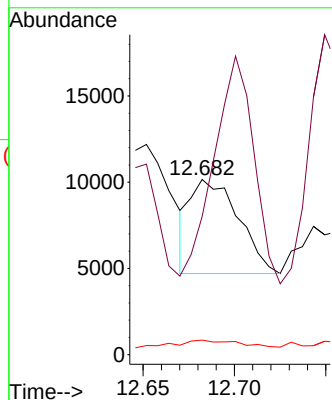
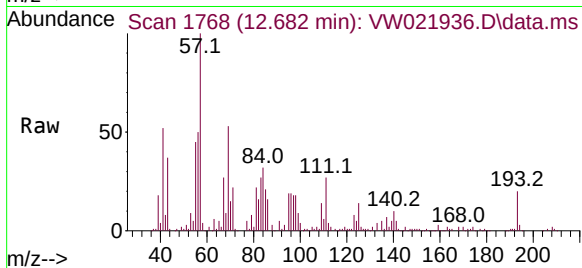
Tgt Ion: 83 Resp: 9999

Ion Ratio Lower Upper

83 100

85 78.8 44.0 81.6

131 8.3 6.9 10.3



#59

Bromoform

Concen: 1.768 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

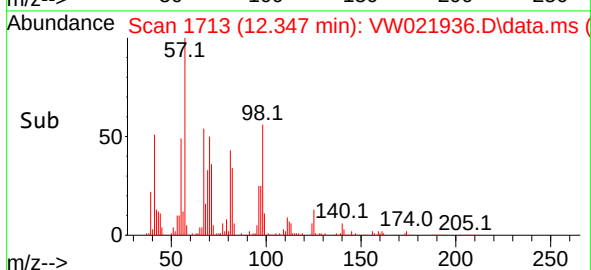
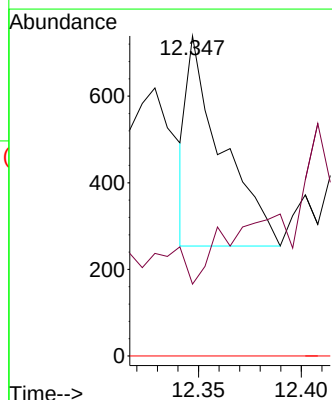
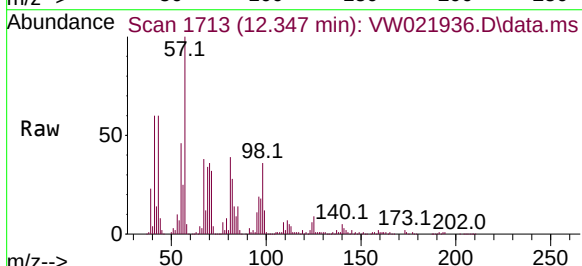
Tgt Ion: 173 Resp: 569

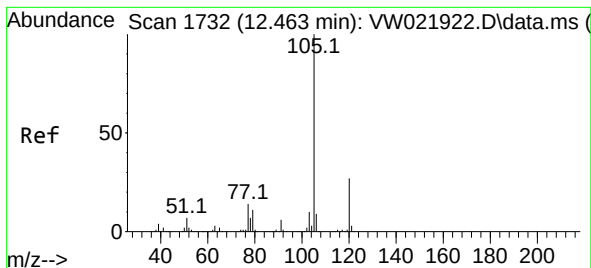
Ion Ratio Lower Upper

173 100

175 16.7 39.6 59.4#

254 0.0 7.4 11.0#





#60

Isopropylbenzene

Concen: 116.155 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

Instrument :

MSVOA_W

ClientSampleId :

BGLT5

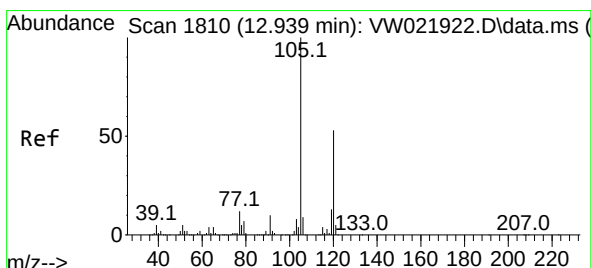
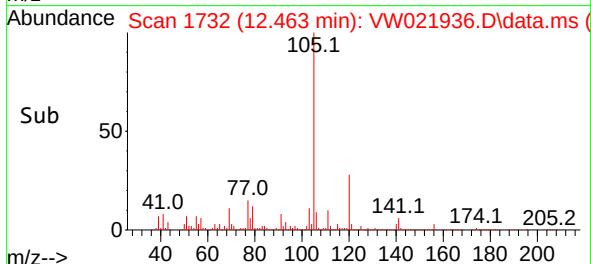
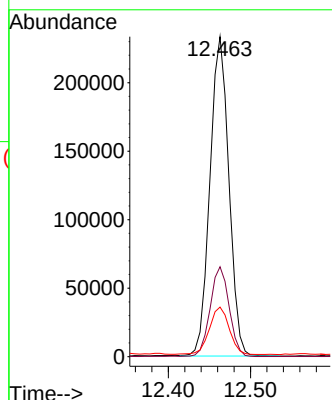
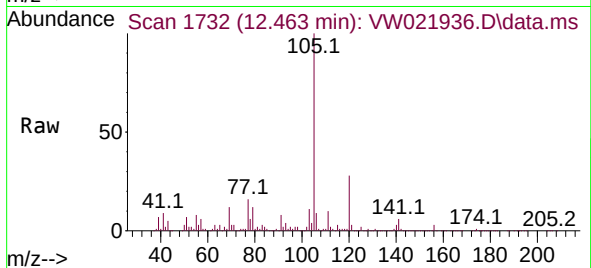
Tgt Ion:105 Resp: 373453

Ion Ratio Lower Upper

105 100

120 28.0 20.1 30.1

77 15.6 13.8 20.8



#62

1,3,5-Trimethylbenzene

Concen: 516.177 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021936.D

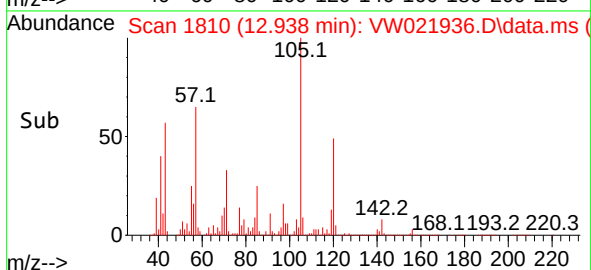
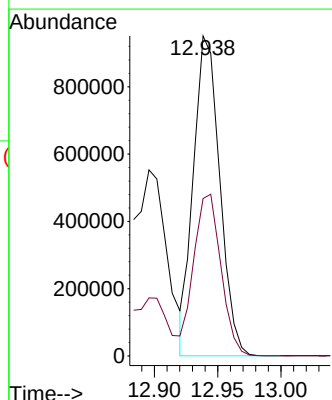
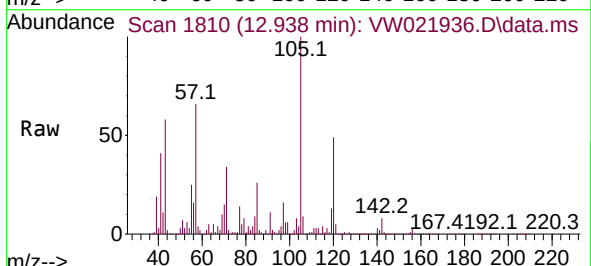
Acq: 15 Jan 2022 04:31

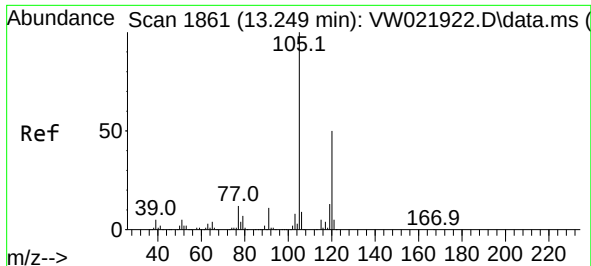
Tgt Ion:105 Resp: 1374267

Ion Ratio Lower Upper

105 100

120 52.3 37.4 56.2

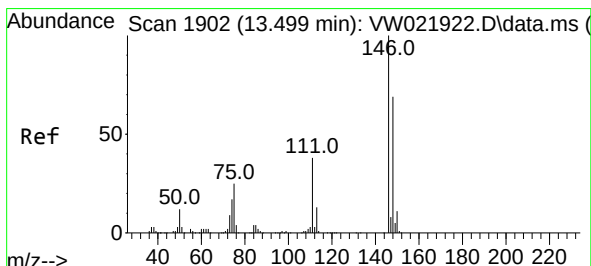
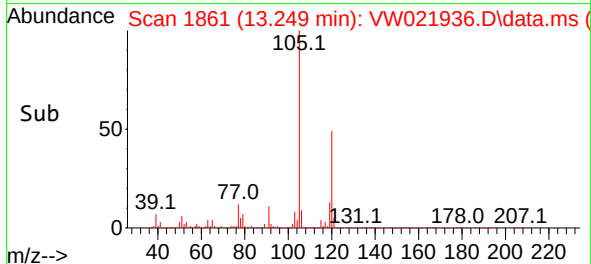
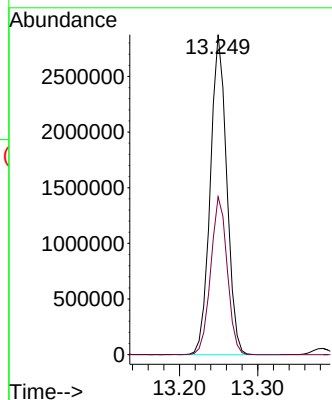
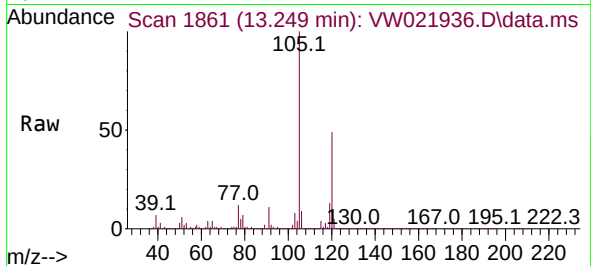




#63
1,2,4-Trimethylbenzene
Concen: 1590.286 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

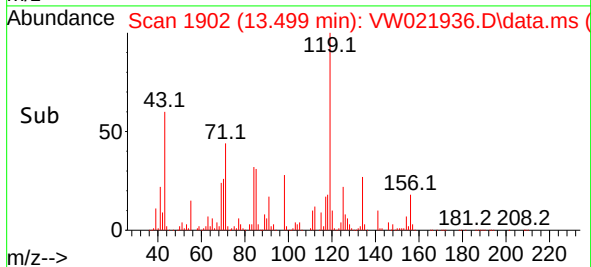
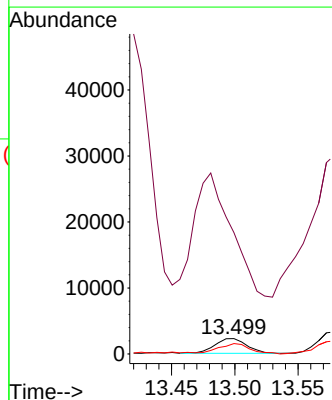
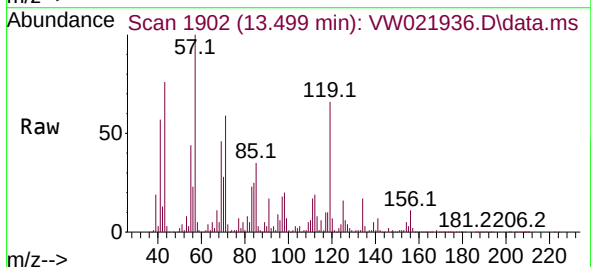
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

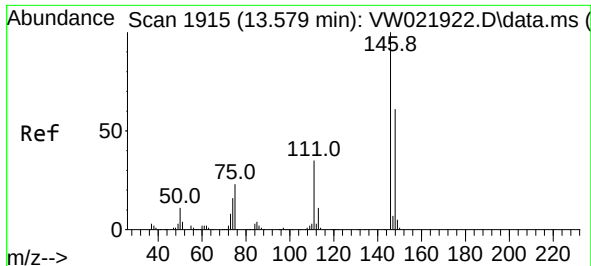
Tgt Ion:105 Resp: 4175742
Ion Ratio Lower Upper
105 100
120 49.5 35.0 52.6



#64
1,3-Dichlorobenzene
Concen: 2.432 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion:146 Resp: 3931
Ion Ratio Lower Upper
146 100
111 788.3 29.8 55.3#
148 68.0 46.2 85.8

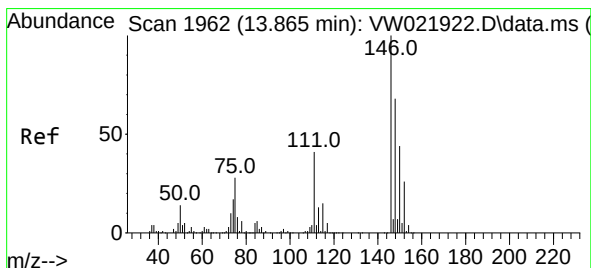
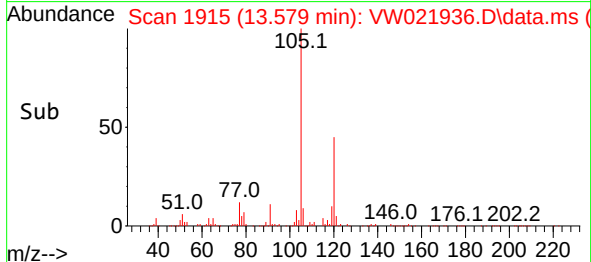
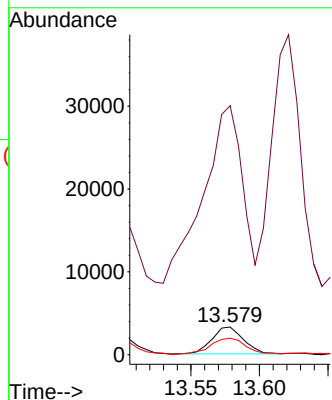
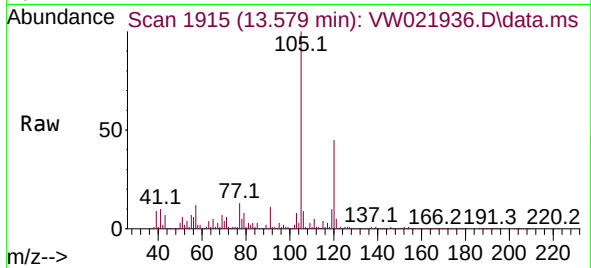




#65
1,4-Dichlorobenzene
Concen: 3.240 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

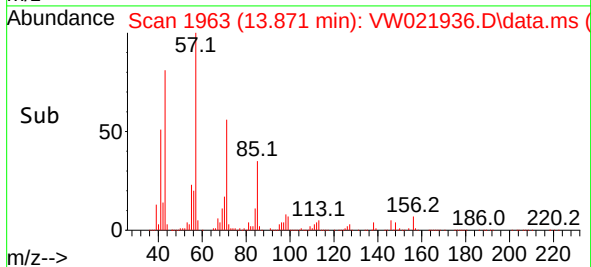
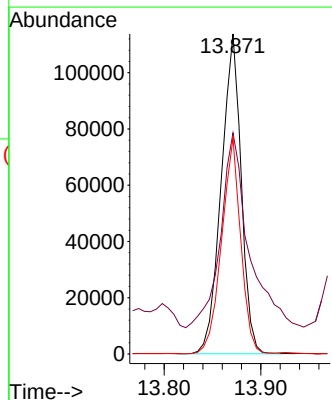
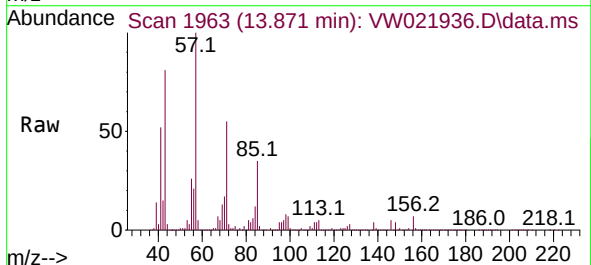
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

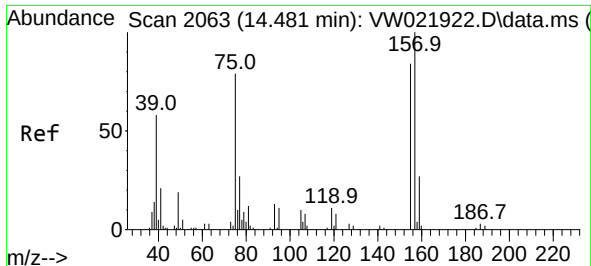
Tgt Ion:146 Resp: 5171
Ion Ratio Lower Upper
146 100
111 899.9 29.0 53.9#
148 59.5 46.9 87.1



#67
1,2-Dichlorobenzene
Concen: 114.801 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion:146 Resp: 162478
Ion Ratio Lower Upper
146 100
111 69.1 33.1 49.7#
148 67.5 47.4 71.2

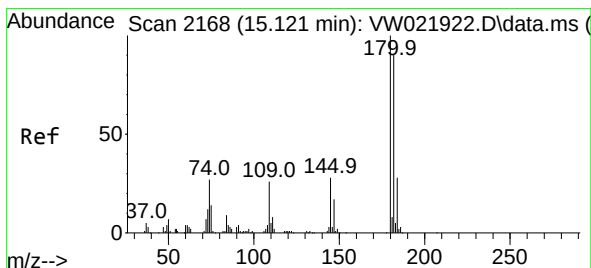
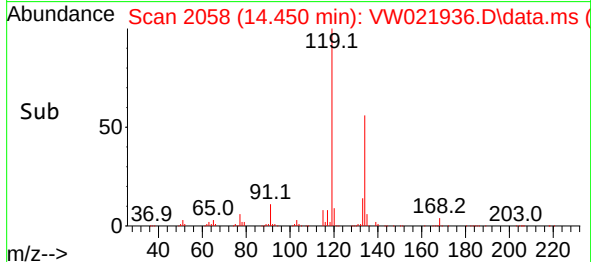
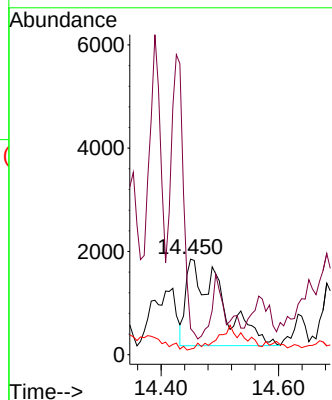
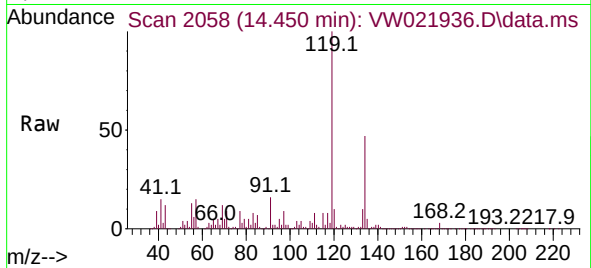




#68
1,2-Dibromo-3-chloropropane
Concen: 107.554 ug/L
RT: 14.450 min Scan# 2063
Delta R.T. -0.031 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

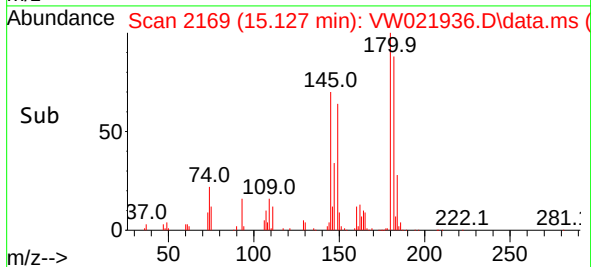
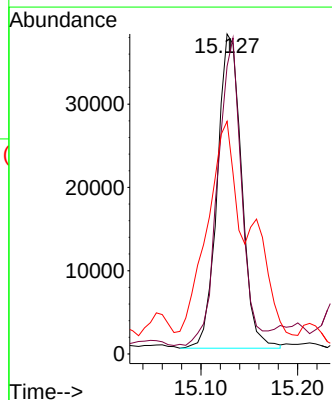
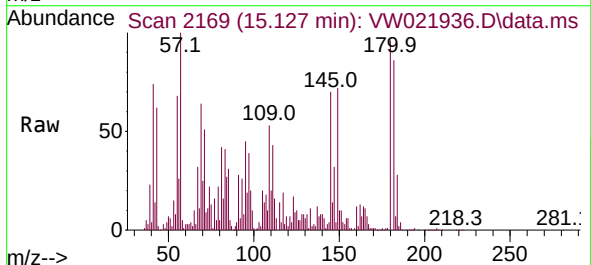
Instrument :
MSVOA_W
ClientSampleId :
BGLT5

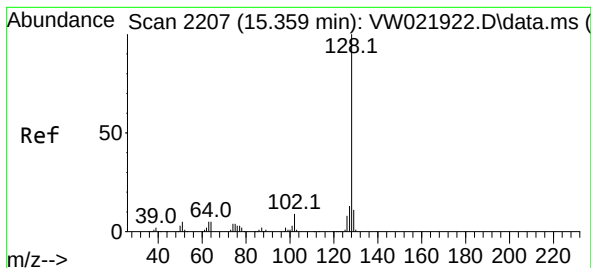
Tgt Ion: 75 Resp: 7008
Ion Ratio Lower Upper
75 100
155 27.3 54.2 81.2#
157 5.8 69.4 104.2#



#70
1,2,4-trichlorobenzene
Concen: 68.727 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.006 min
Lab File: VW021936.D
Acq: 15 Jan 2022 04:31

Tgt Ion: 180 Resp: 65793
Ion Ratio Lower Upper
180 100
182 94.9 79.0 118.6
145 83.8 26.0 39.0#





#71

Naphthalene

Concen: 3515.283 ug/L

RT: 15.365 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

Instrument :

MSVOA_W

ClientSampleId :

BGLT5

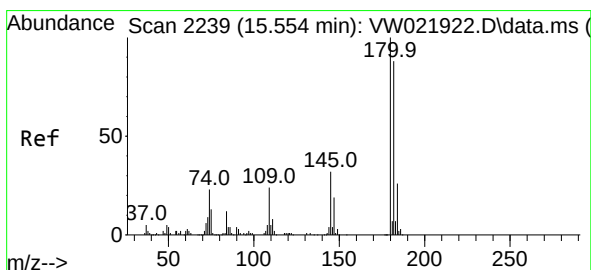
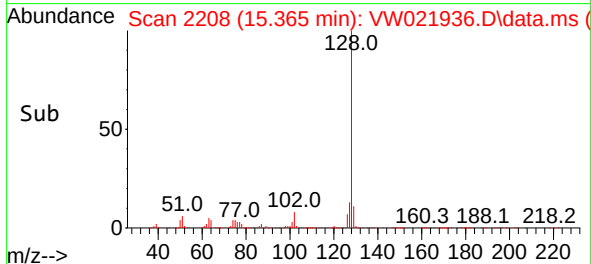
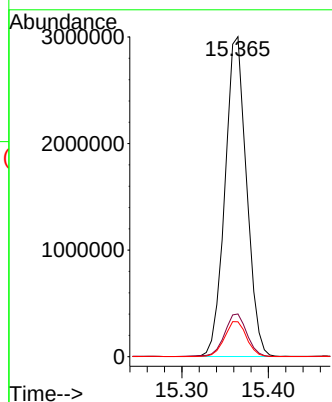
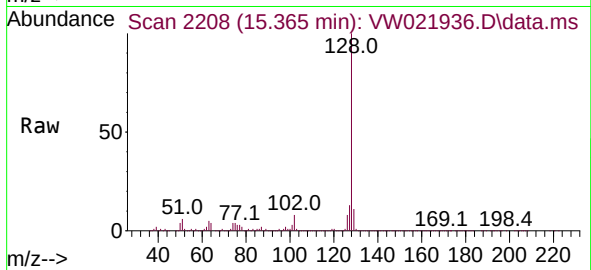
Tgt Ion:128 Resp: 5191129

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 11.2 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 13.871 ug/L

RT: 15.560 min Scan# 2240

Delta R.T. 0.006 min

Lab File: VW021936.D

Acq: 15 Jan 2022 04:31

Tgt Ion:180 Resp: 10966

Ion Ratio Lower Upper

180 100

182 77.4 76.6 114.8

145 210.4 27.4 41.0#

