

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121221\
 Data File : VW021343.D
 Acq On : 12 Dec 2021 01:57
 Operator : SY/VA
 Sample : M5062-07
 Misc : 5.61g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL06

Quant Time: Dec 13 03:22:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	49880	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	37796	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	12599	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	22054	24.277	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.120%
7) Chloroethane-d5	2.879	69	17289	28.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.160%
11) 1,1-Dichloroethene-d2	4.032	63	229383	189.396	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	757.600%#
21) 2-Butanone-d5	7.080	46	9351	73.023	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.040%#
24) Chloroform-d	7.653	84	37785	27.183	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.720%
26) 1,2-Dichloroethane-d4	8.305	65	20267	27.410	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.640%
32) Benzene-d6	8.275	84	67775	32.714	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.840%
36) 1,2-Dichloropropane-d6	9.274	67	20273	36.488	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	145.960%#
41) Toluene-d8	10.323	98	56284	26.590	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.360%
43) trans-1,3-Dichloroprop...	10.579	79	6774	26.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.920%
47) 2-Hexanone-d5	10.927	63	6004	73.077	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.160%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	13873	29.046	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.200%
66) 1,2-Dichlorobenzene-d4	13.853	152	11735	24.033	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.120%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	2997	2.992	ug/L	# 48
8) Chloroethane	2.916	64	3966	8.595	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	8665	12.581	ug/L	# 69
12) 1,1-Dichloroethene	4.044	96	417169	674.722	ug/L	# 53
13) Acetone	4.117	43	7585	66.073	ug/L	92
14) Carbon disulfide	4.373	76	2853	1.787	ug/L	# 94
16) Methylene chloride	4.916	84	4398	5.336	ug/L	72
19) 1,1-Dichloroethane	6.214	63	2865890	2728.120	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	5230	7.407	ug/L	79
22) 2-Butanone	7.177	43	1302	8.685	ug/L	93
27) 1,2-Dichloroethane	8.397	62	5503	7.126	ug/L	97
30) 1,1,1-Trichloroethane	7.872	97	118060	139.216	ug/L	94
33) Benzene	8.323	78	2010	0.976	ug/L	100
34) Trichloroethene	9.092	95	584456	1011.211	ug/L	89
42) Toluene	10.390	91	37277	15.480	ug/L	94
46) Tetrachloroethene	10.872	164	8983081	16360.980	ug/L	92
52) Ethylbenzene	11.731	91	3573	1.298	ug/L	95
53) m,p-Xylene	11.829	106	9172	8.262	ug/L	76
54) o-Xylene	12.164	106	2466	2.341	ug/L	84

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration

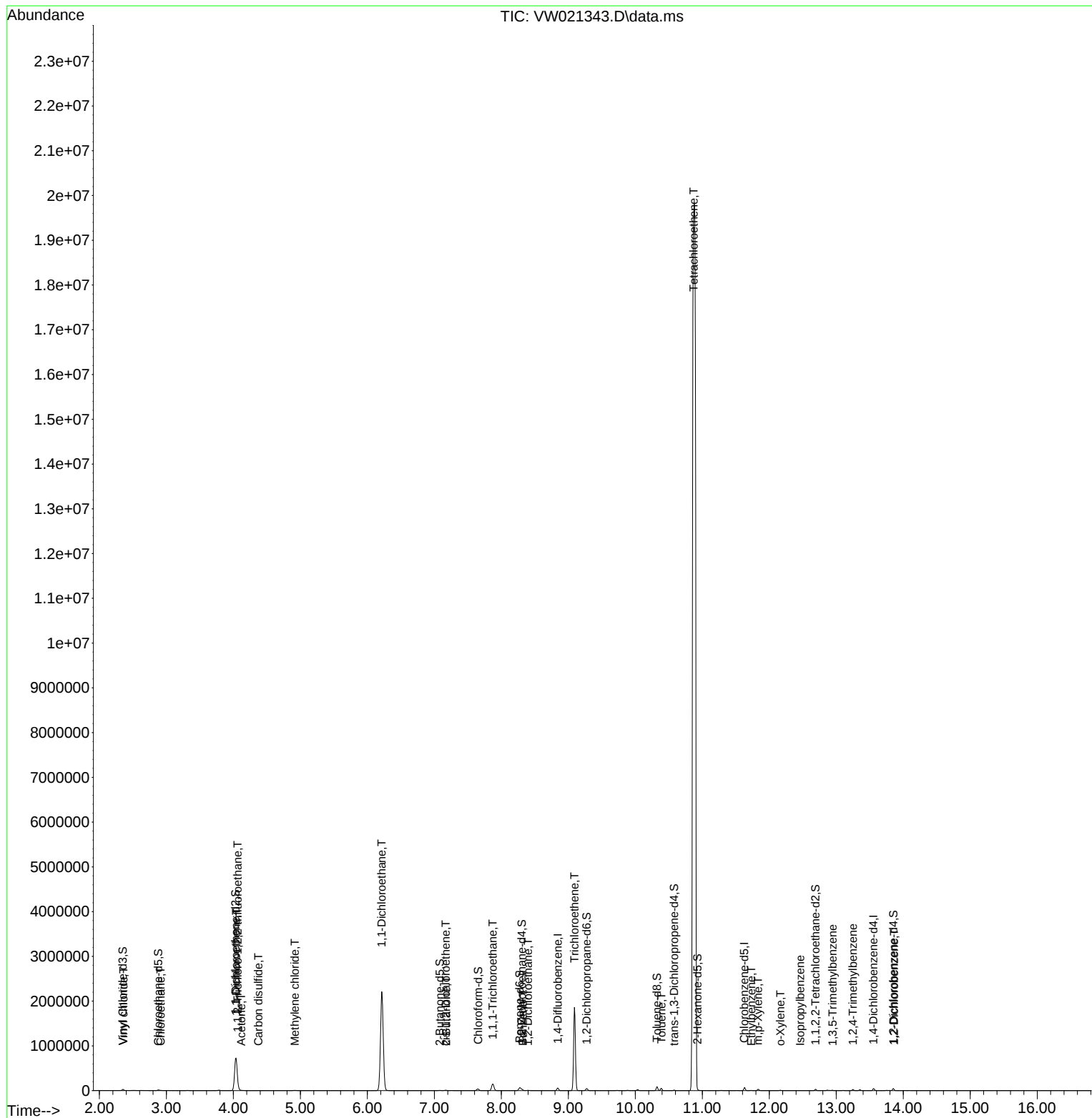
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.463	105	929	0.543	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	4308	2.957	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	14141	9.840	ug/L	94
67) 1,2-Dichlorobenzene	13.865	146	592	0.833	ug/L	88

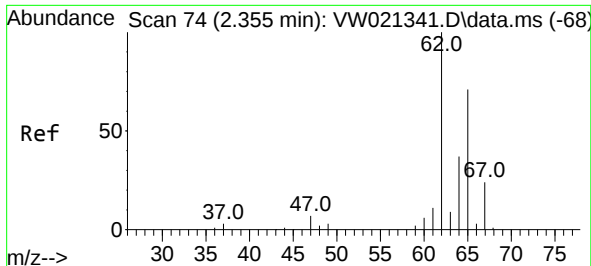
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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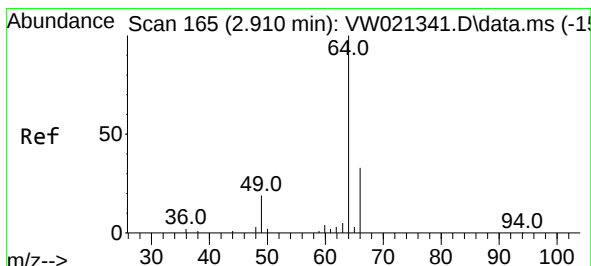
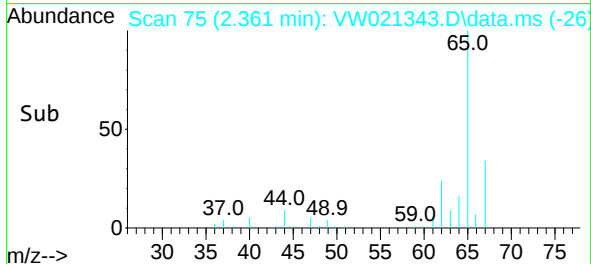
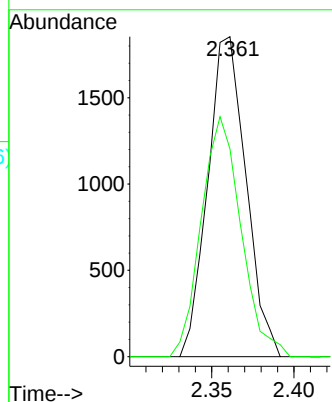
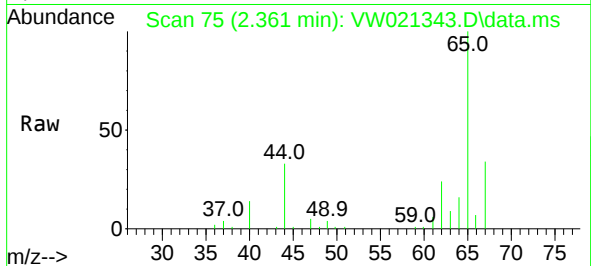




#5
 Vinyl chloride
 Concen: 2.992 ug/L
 RT: 2.361 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VW021343.D
 Acq: 12 Dec 2021 01:57

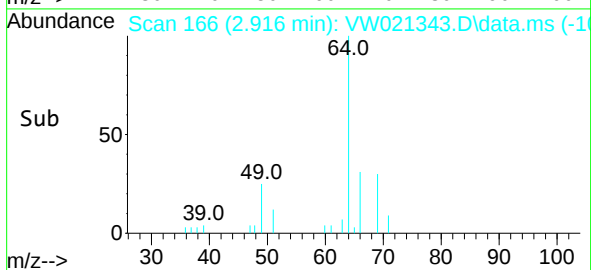
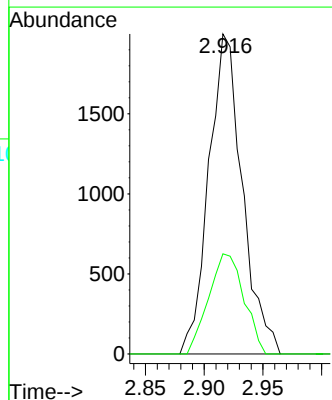
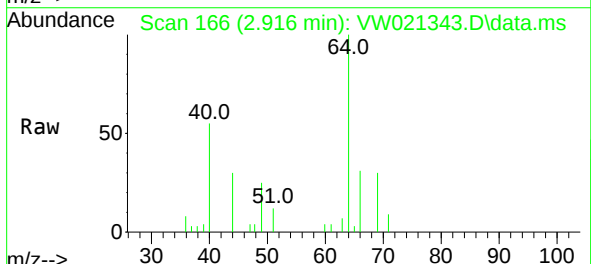
Instrument :
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 ClientSampleId :
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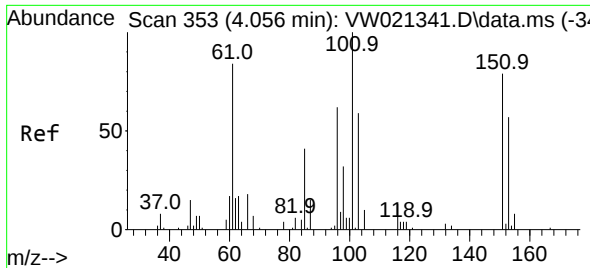
Tgt Ion: 62 Resp: 2997
 Ion Ratio Lower Upper
 62 100
 64 64.9 24.4 45.2#



#8
 Chloroethane
 Concen: 8.595 ug/L
 RT: 2.916 min Scan# 166
 Delta R.T. -0.000 min
 Lab File: VW021343.D
 Acq: 12 Dec 2021 01:57

Tgt Ion: 64 Resp: 3966
 Ion Ratio Lower Upper
 64 100
 66 31.3 22.0 40.8

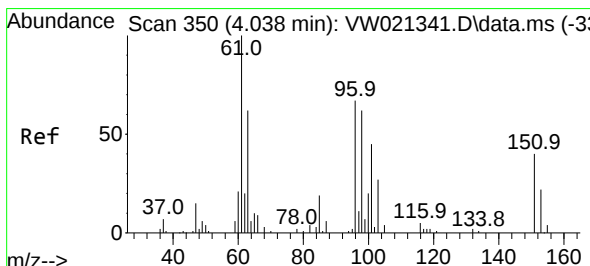
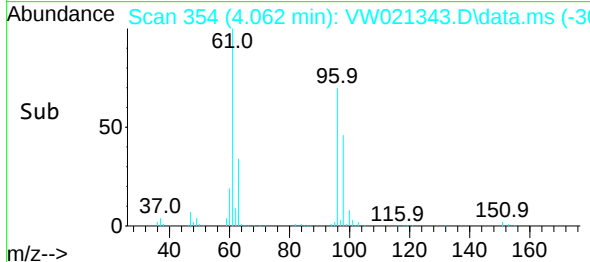
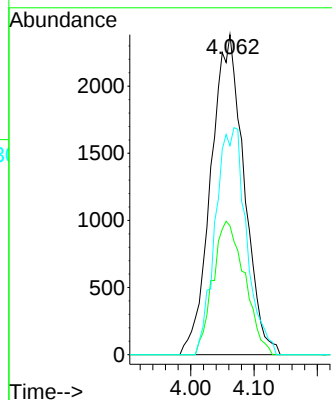
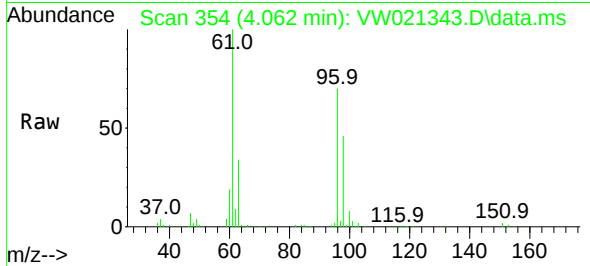




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 12.581 ug/L
RT: 4.062 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

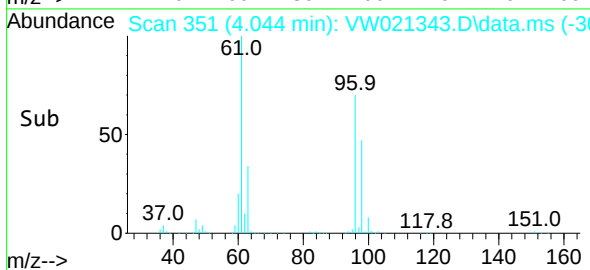
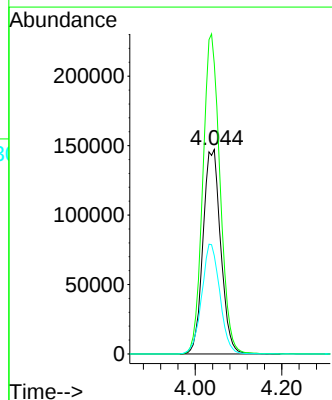
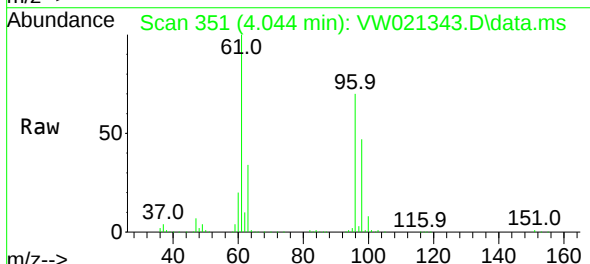
Instrument :
MSVOA_W
ClientSampleId :
BGL06

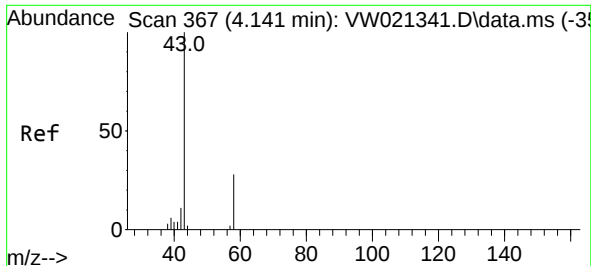
Tgt Ion:101 Resp: 8665
Ion Ratio Lower Upper
101 100
85 39.9 36.6 54.8
151 34.4 57.4 86.0#



#12
1,1-Dichloroethene
Concen: 674.722 ug/L
RT: 4.044 min Scan# 351
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Tgt Ion: 96 Resp: 417169
Ion Ratio Lower Upper
96 100
61 141.9 138.3 256.9
63 48.0 82.6 153.4#





#13

Acetone

Concen: 66.073 ug/L

RT: 4.117 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW021343.D

Acq: 12 Dec 2021 01:57

Instrument :

MSVOA_W

ClientSampleId :

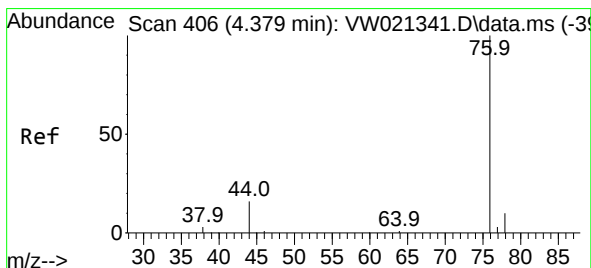
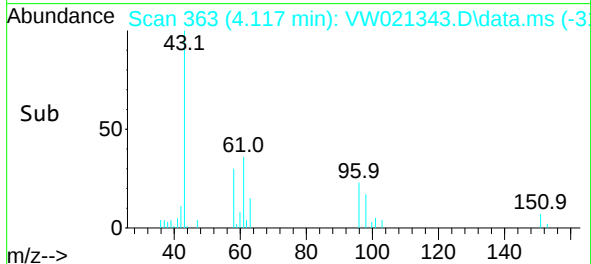
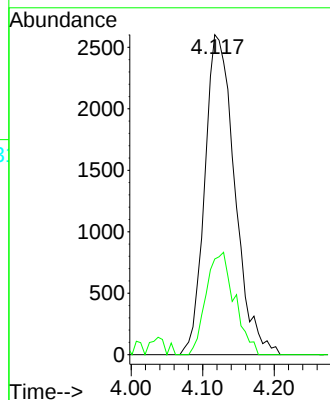
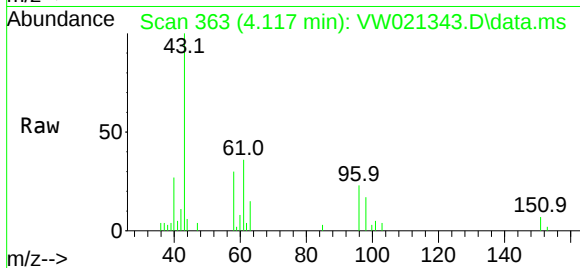
BGL06

Tgt Ion: 43 Resp: 7585

Ion Ratio Lower Upper

43 100

58 30.3 0.0 52.8



#14

Carbon disulfide

Concen: 1.787 ug/L

RT: 4.373 min Scan# 405

Delta R.T. -0.012 min

Lab File: VW021343.D

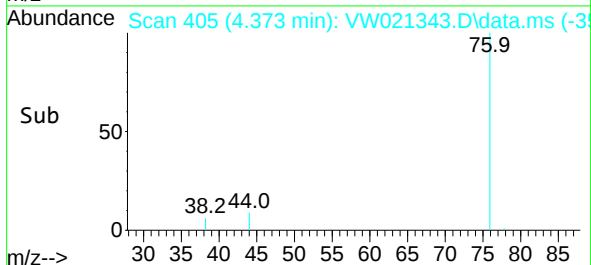
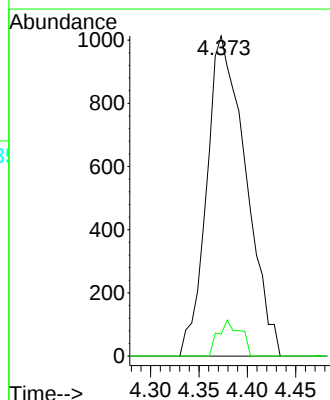
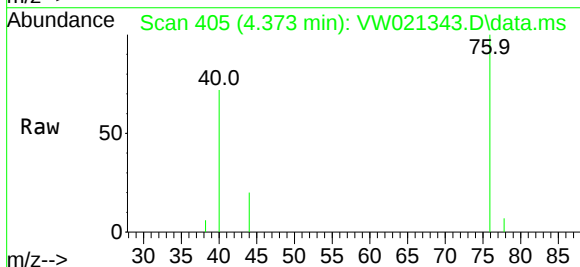
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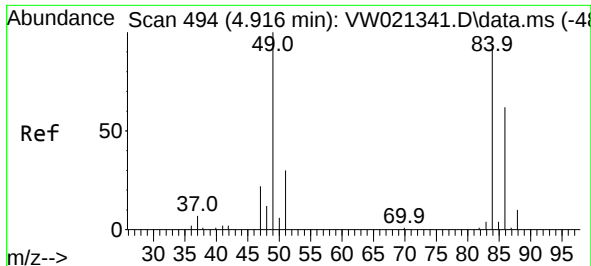
Tgt Ion: 76 Resp: 2853

Ion Ratio Lower Upper

76 100

78 6.8 7.1 10.7#

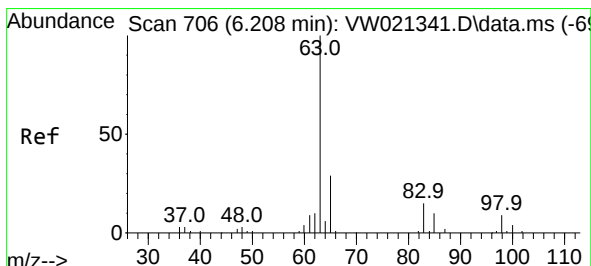
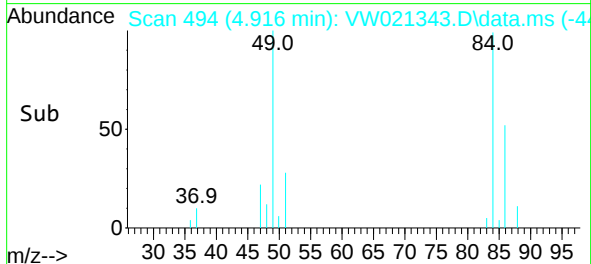
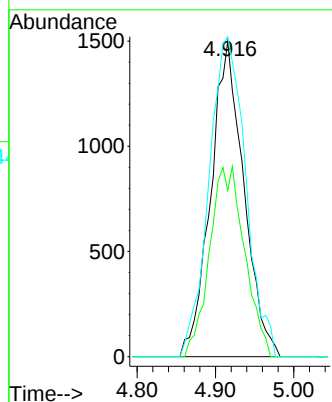
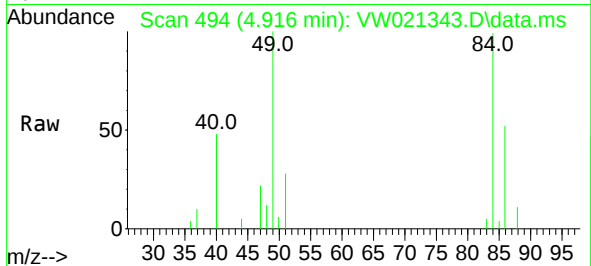




#16
Methylene chloride
Concen: 5.336 ug/L
RT: 4.916 min Scan# 49
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

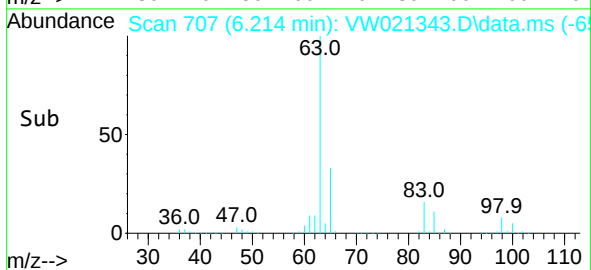
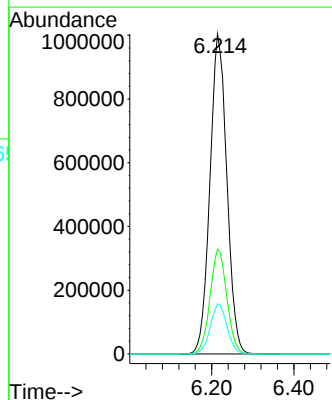
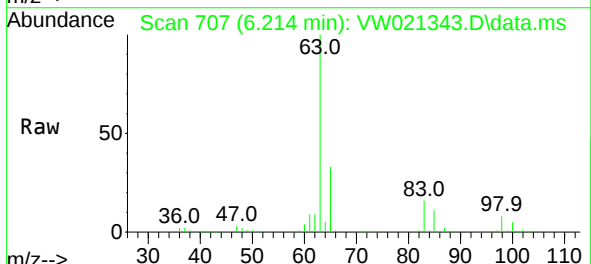
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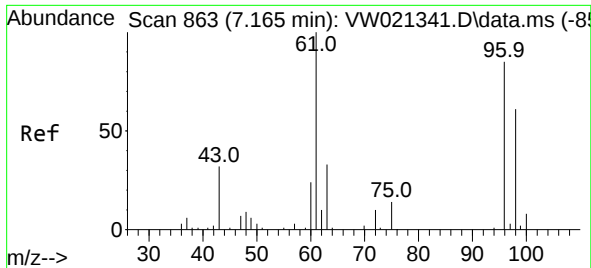
Tgt Ion: 84 Resp: 4398
Ion Ratio Lower Upper
84 100
86 52.6 45.5 84.5
49 101.5 100.5 186.7



#19
1,1-Dichloroethane
Concen: 2728.120 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Tgt Ion: 63 Resp: 2865890
Ion Ratio Lower Upper
63 100
65 32.8 22.1 41.1
83 15.6 9.2 17.2

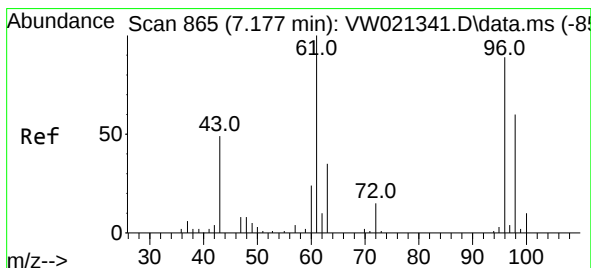
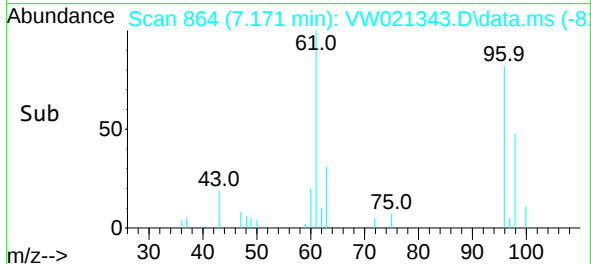
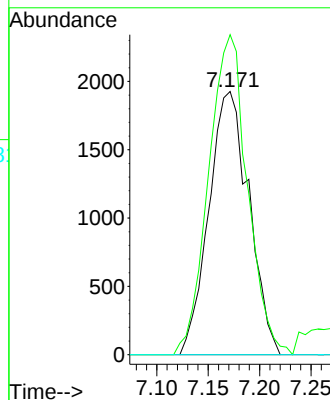
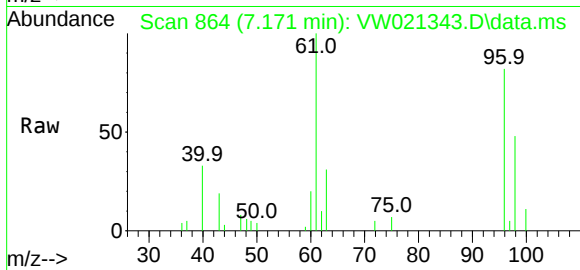




#20
 cis-1,2-Dichloroethene
 Concen: 7.407 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW021343.D
 Acq: 12 Dec 2021 01:57

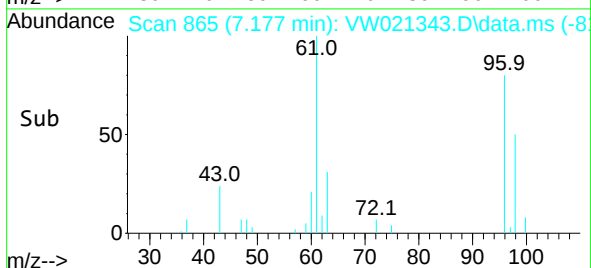
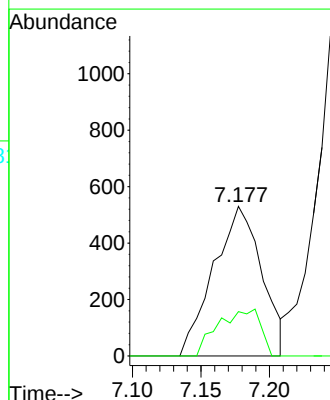
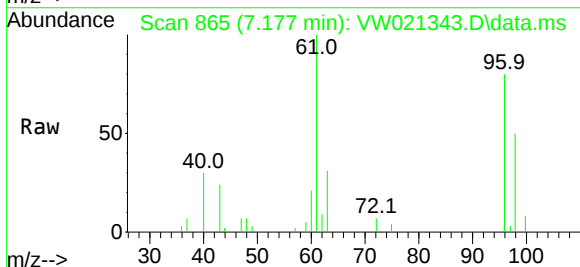
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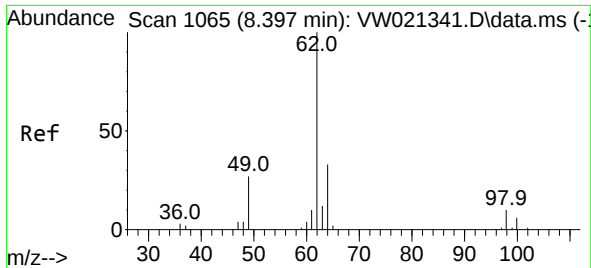
Tgt Ion: 96 Resp: 5230
 Ion Ratio Lower Upper
 96 100
 61 121.6 103.7 192.7
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 8.685 ug/L
 RT: 7.177 min Scan# 865
 Delta R.T. 0.006 min
 Lab File: VW021343.D
 Acq: 12 Dec 2021 01:57

Tgt Ion: 43 Resp: 1302
 Ion Ratio Lower Upper
 43 100
 72 27.3 11.8 35.4





#27

1,2-Dichloroethane

Concen: 7.126 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW021343.D

Acq: 12 Dec 2021 01:57

Instrument :

MSVOA_W

ClientSampleId :

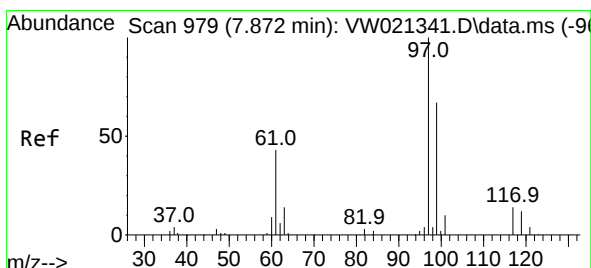
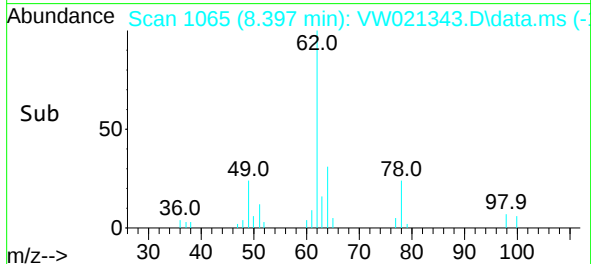
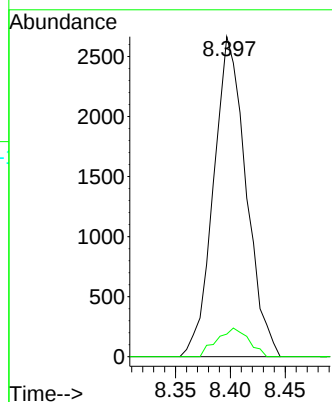
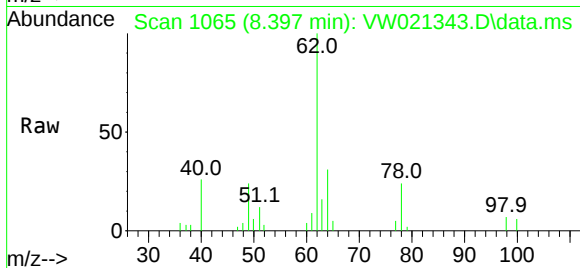
BGL06

Tgt Ion: 62 Resp: 5503

Ion Ratio Lower Upper

62 100

98 7.1 6.5 9.7



#30

1,1,1-Trichloroethane

Concen: 139.216 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021343.D

Acq: 12 Dec 2021 01:57

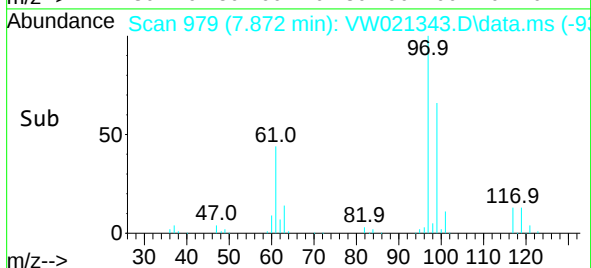
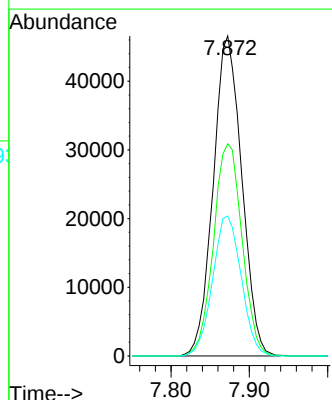
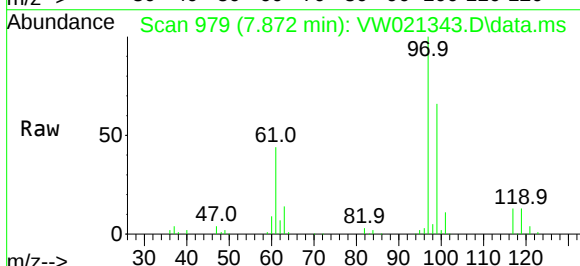
Tgt Ion: 97 Resp: 118060

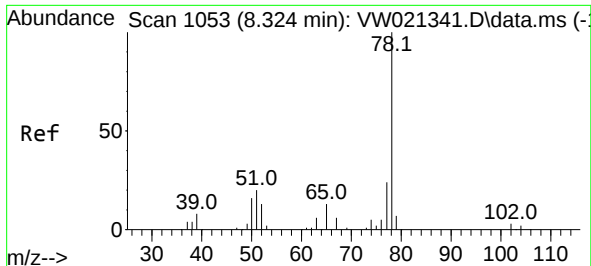
Ion Ratio Lower Upper

97 100

99 66.3 51.6 77.4

61 43.8 40.9 61.3

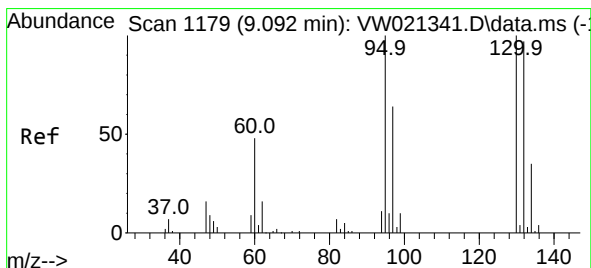
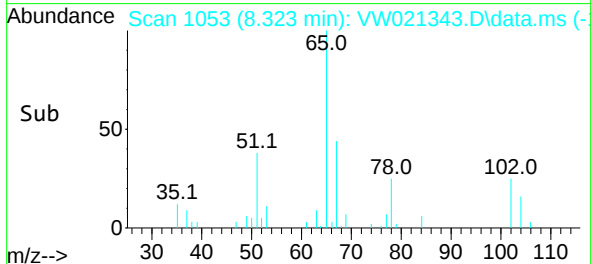
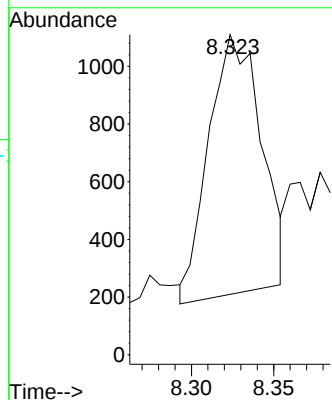
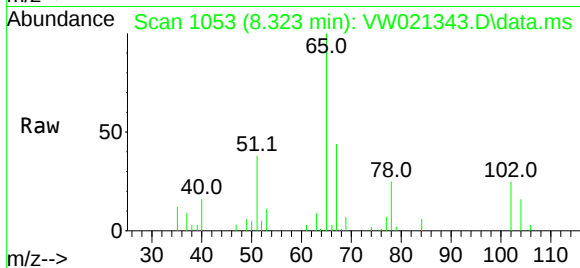




#33
Benzene
Concen: 0.976 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Instrument :
MSVOA_W
ClientSampleId :
BGL06

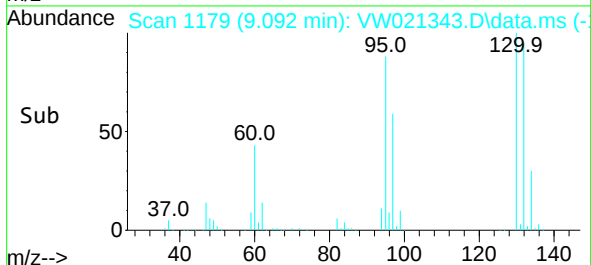
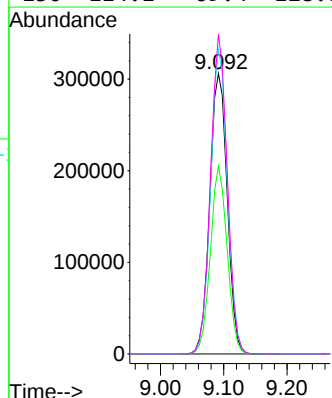
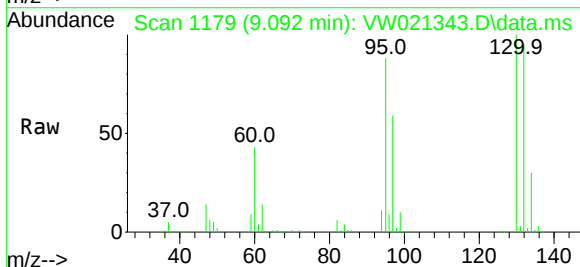
Tgt Ion: 78 Resp: 2010

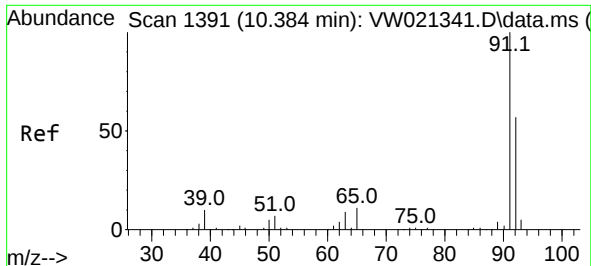


#34
Trichloroethene
Concen: 1011.211 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Tgt Ion: 95 Resp: 584456

Ion	Ratio	Lower	Upper
95	100		
97	67.1	47.0	87.2
132	108.6	65.5	121.6
130	114.1	69.4	128.8

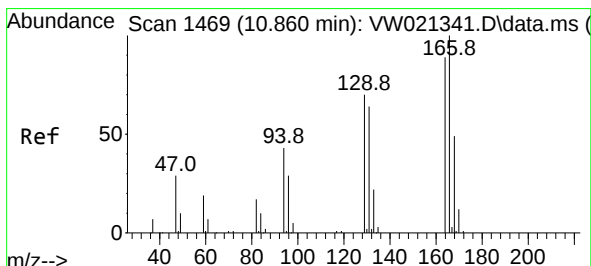
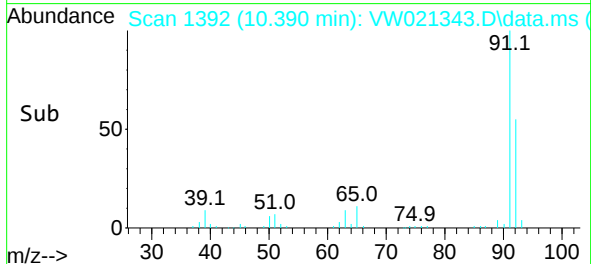
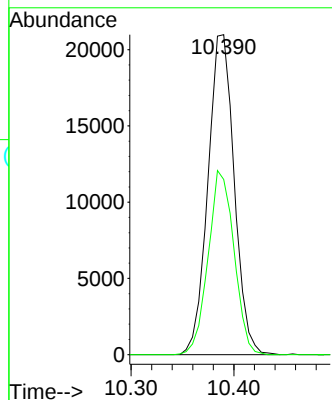
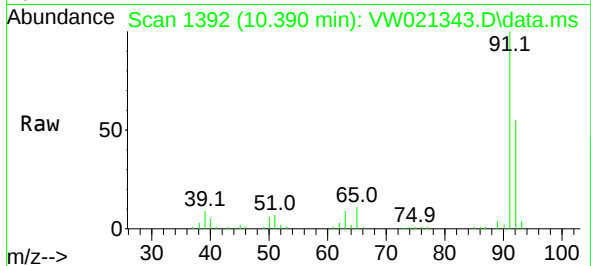




#42
Toluene
Concen: 15.480 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

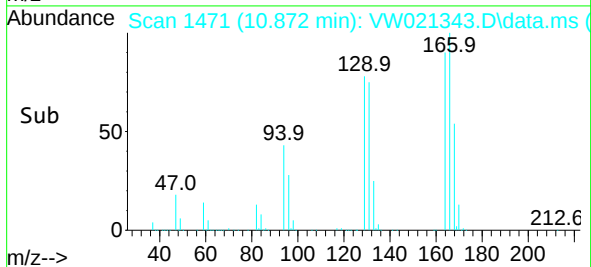
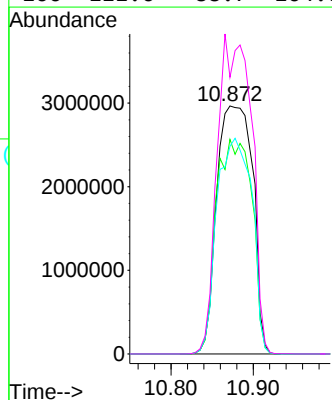
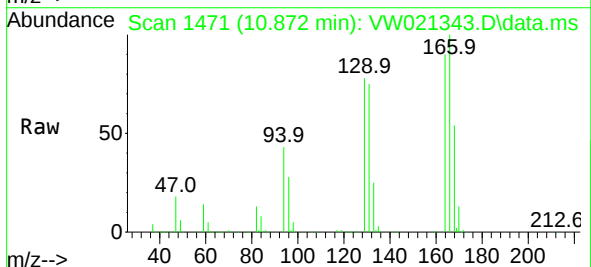
Instrument :
MSVOA_W
ClientSampleId :
BGL06

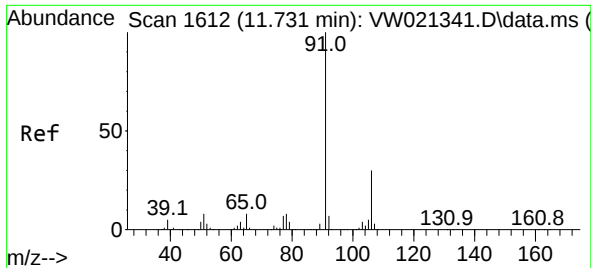
Tgt Ion: 91 Resp: 37277
Ion Ratio Lower Upper
91 100
92 54.8 41.7 77.5



#46
Tetrachloroethene
Concen: 16360.980 ug/L
RT: 10.872 min Scan# 1471
Delta R.T. 0.012 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Tgt Ion:164 Resp: 8983081
Ion Ratio Lower Upper
164 100
129 86.6 65.5 121.7
131 83.8 59.7 110.9
166 111.6 88.7 164.7

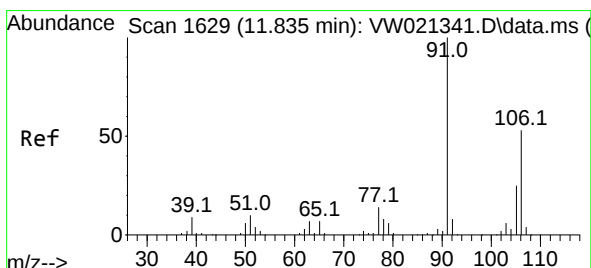
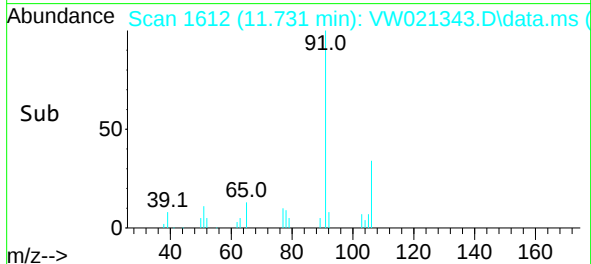
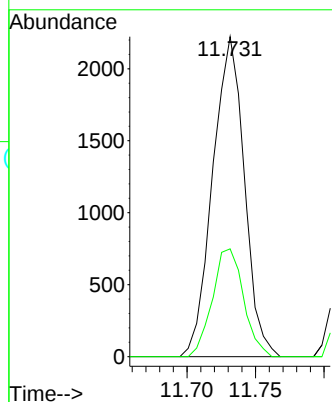
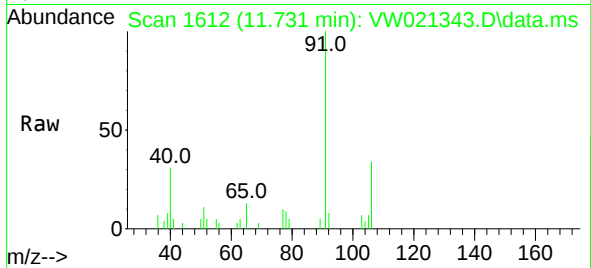




#52
Ethylbenzene
Concen: 1.298 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

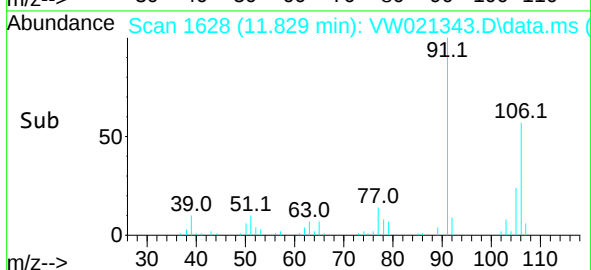
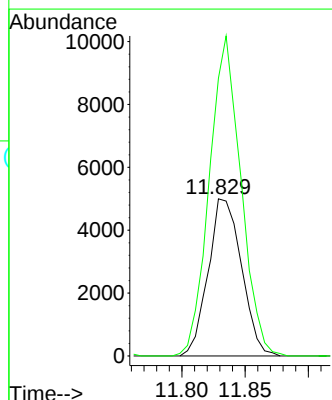
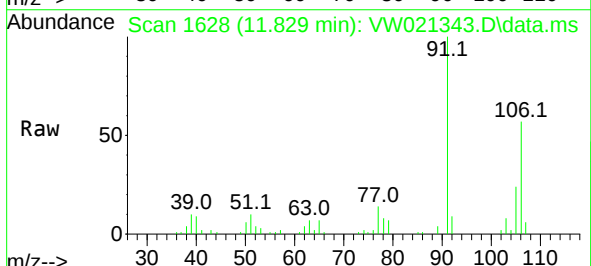
Instrument :
MSVOA_W
ClientSampleId :
BGL06

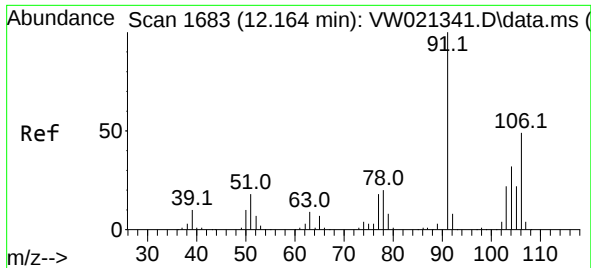
Tgt Ion: 91 Resp: 3573
Ion Ratio Lower Upper
91 100
106 33.7 21.5 39.9



#53
m,p-Xylene
Concen: 8.262 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.012 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Tgt Ion: 106 Resp: 9172
Ion Ratio Lower Upper
106 100
91 176.8 149.9 278.3

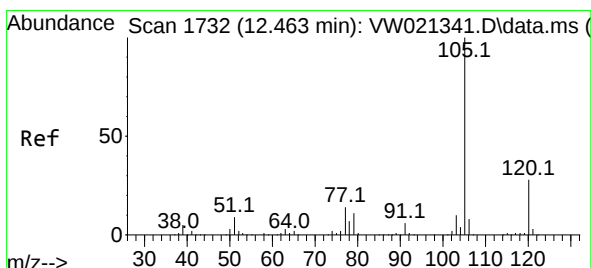
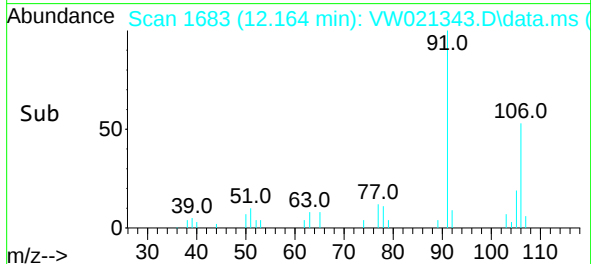
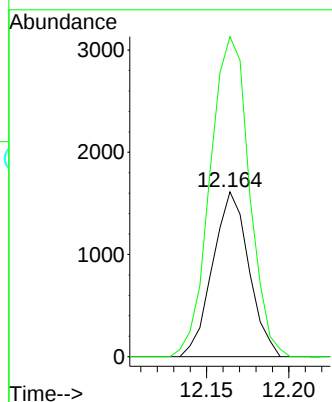
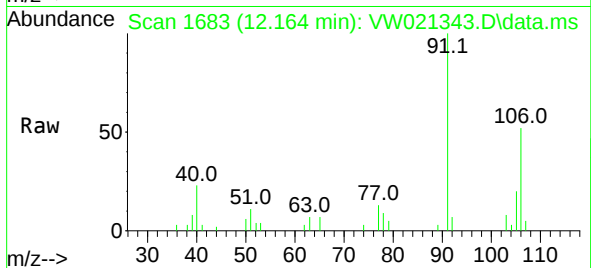




#54
o-Xylene
Concen: 2.341 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

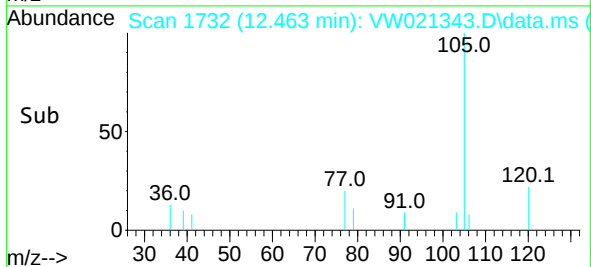
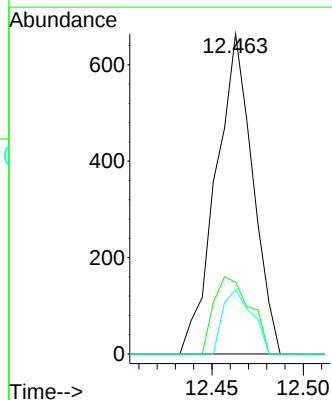
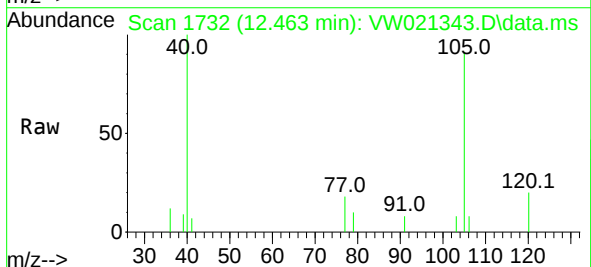
Instrument :
MSVOA_W
ClientSampleId :
BGL06

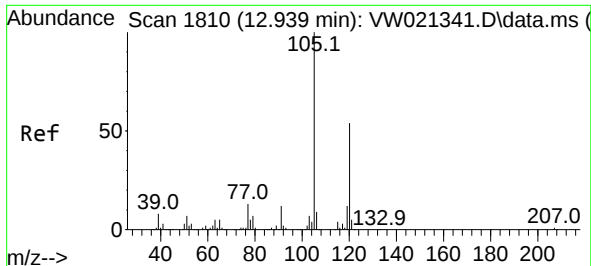
Tgt Ion:106 Resp: 2466
Ion Ratio Lower Upper
106 100
91 194.1 153.6 285.3



#60
Isopropylbenzene
Concen: 0.543 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021343.D
Acq: 12 Dec 2021 01:57

Tgt Ion:105 Resp: 929
Ion Ratio Lower Upper
105 100
120 23.9 20.1 30.1
77 15.9 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 2.957 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021343.D

Acq: 12 Dec 2021 01:57

Instrument :

MSVOA_W

ClientSampleId :

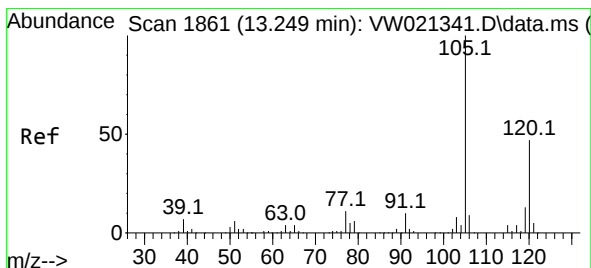
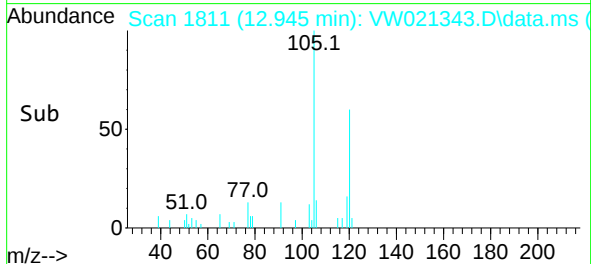
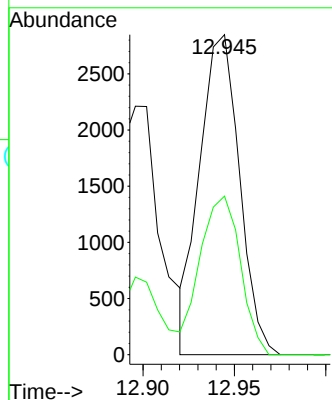
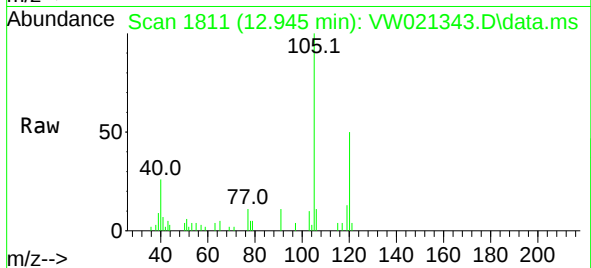
BGL06

Tgt Ion:105 Resp: 4308

Ion Ratio Lower Upper

105 100

120 50.1 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 9.840 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021343.D

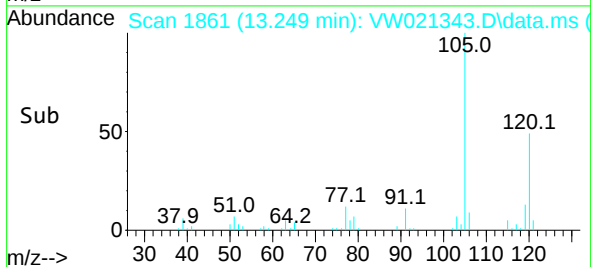
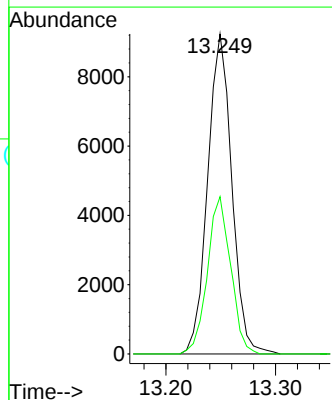
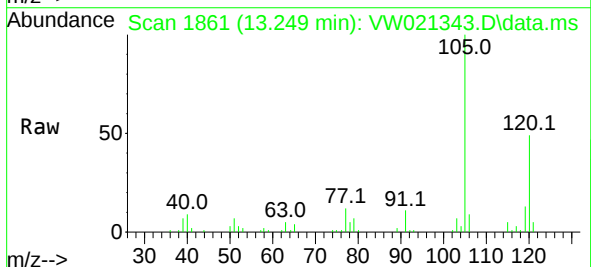
Acq: 12 Dec 2021 01:57

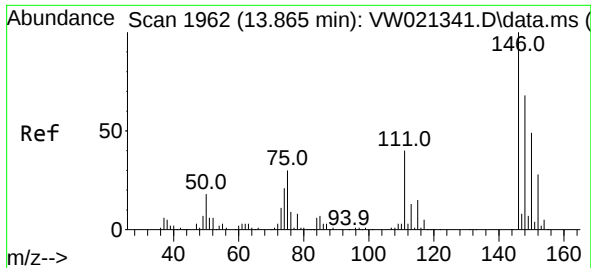
Tgt Ion:105 Resp: 14141

Ion Ratio Lower Upper

105 100

120 47.4 35.0 52.6





#67
 1,2-Dichlorobenzene
 Concen: 0.833 ug/L
 RT: 13.865 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VW021343.D
 Acq: 12 Dec 2021 01:57

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL06

Tgt Ion:	146	Resp:	592
Ion	Ratio	Lower	Upper
146	100		
111	49.4	33.1	49.7
148	67.4	47.4	71.2

