

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011422\
 Data File : VW021909.D
 Acq On : 14 Jan 2022 13:25
 Operator : SY/VA
 Sample : N1115-12
 Misc : 6.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLS2

Quant Time: Jan 17 00:46:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jan 17 00:44:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	148562	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	100830	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	29717	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	51414	18.620	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.480%
7) Chloroethane-d5	2.879	69	41933	16.817	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.280%
11) 1,1-Dichloroethene-d2	4.031	63	494095	113.341	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	453.360%#
21) 2-Butanone-d5	7.080	46	22580	57.936	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.880%
24) Chloroform-d	7.647	84	103004	21.462	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.840%
26) 1,2-Dichloroethane-d4	8.299	65	50183	21.652	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	8.274	84	190961	29.187	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.760%
36) 1,2-Dichloropropane-d6	9.274	67	51558	29.898	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.600%
41) Toluene-d8	10.323	98	152920	23.186	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.760%
43) trans-1,3-Dichloroprop...	10.579	79	13821	18.877	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.520%
47) 2-Hexanone-d5	10.920	63	13198	56.403	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.800%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	30928	22.936	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.760%
66) 1,2-Dichlorobenzene-d4	13.853	152	26037	21.308	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.240%
Target Compounds						
						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	4.031	101	3235	1.311	ug/L #	25
12) 1,1-Dichloroethene	4.037	96	937968	422.987	ug/L #	53
13) Acetone	4.135	43	4138	12.851	ug/L	76
14) Carbon disulfide	4.379	76	12239	2.108	ug/L	97
17) trans-1,2-Dichloroethene	5.421	96	3618	1.510	ug/L	79
19) 1,1-Dichloroethane	6.214	63	1154356	328.500	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	134773	54.676	ug/L	68
27) 1,2-Dichloroethane	8.403	62	5726	2.378	ug/L	100
33) Benzene	8.323	78	11611	1.878	ug/L	100
34) Trichloroethene	9.091	95	3443819	1919.900	ug/L	89
39) cis-1,3-Dichloropropene	10.036	75	1491	0.712	ug/L #	32
42) Toluene	10.384	91	29888	4.310	ug/L	100
45) 1,1,2-Trichloroethane	10.792	97	875	0.765	ug/L	97
46) Tetrachloroethene	10.878	164	11832102	6670.584	ug/L	92
52) Ethylbenzene	11.725	91	4593	0.596	ug/L	91
53) m,p-Xylene	11.829	106	2906	0.902	ug/L	79
54) o-Xylene	12.164	106	6083	2.034	ug/L	87
60) Isopropylbenzene	12.463	105	2194	0.542	ug/L #	81
61) 1,2,3-Trichloropropane	12.847	75	967	2.277	ug/L #	47

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Quant Time: Jan 17 00:46:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Jan 17 00:44:09 2022
Response via : Initial Calibration

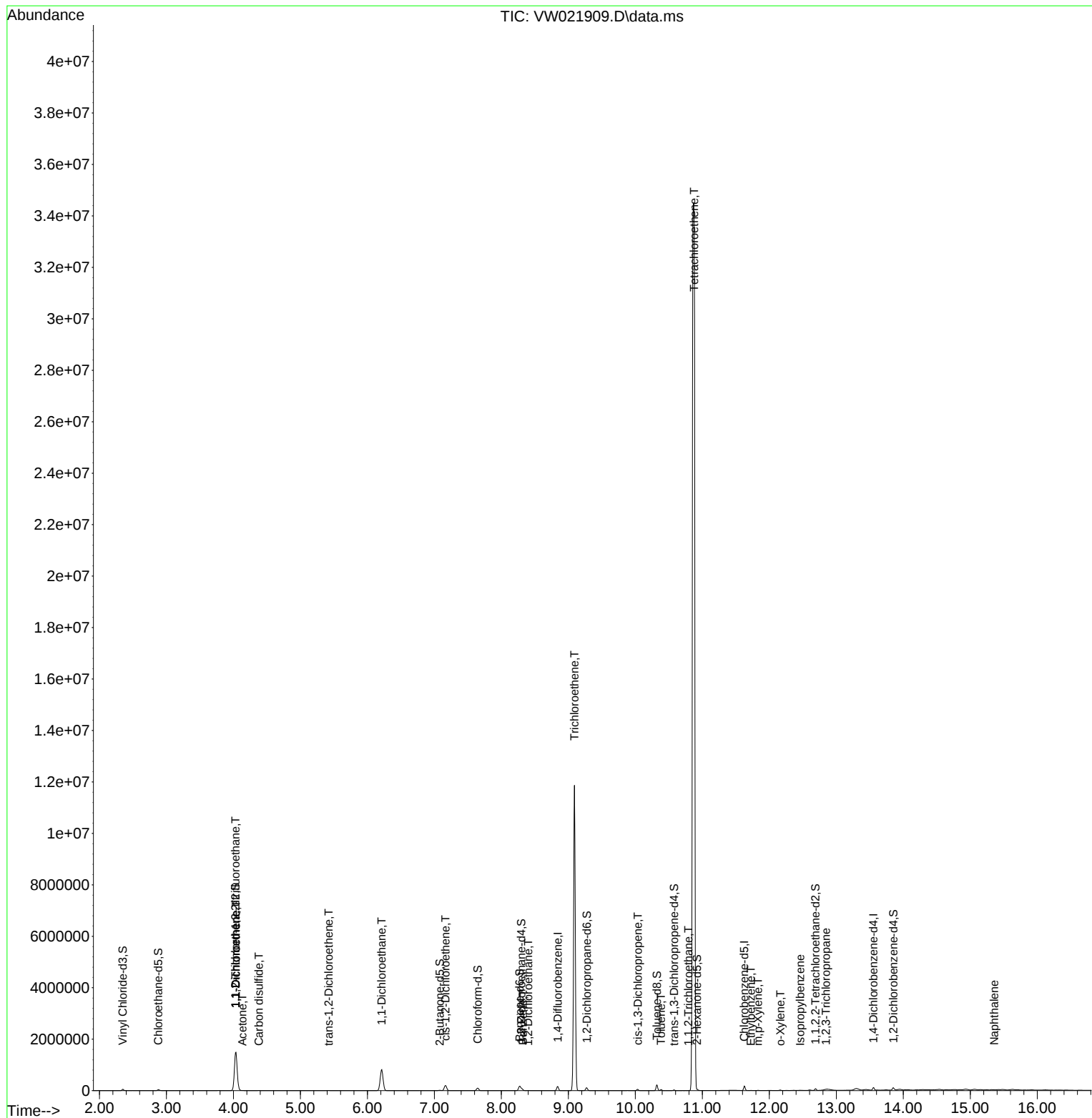
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.359	128	2059	1.108	ug/L	# 91

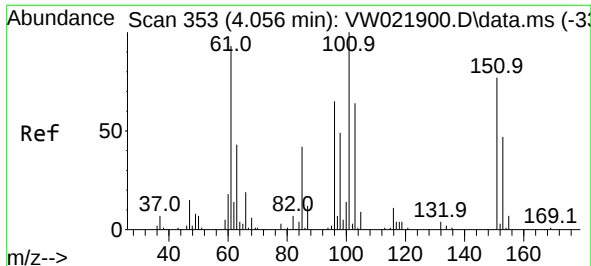
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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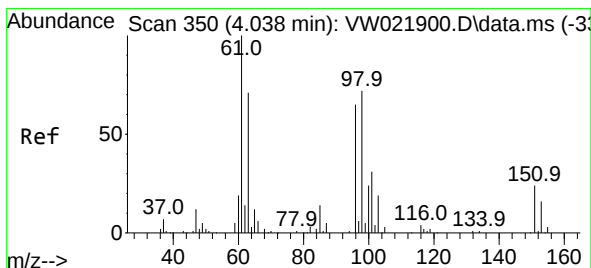
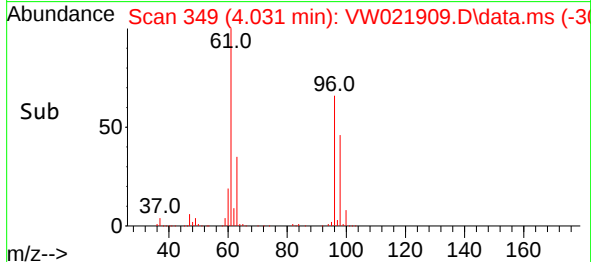
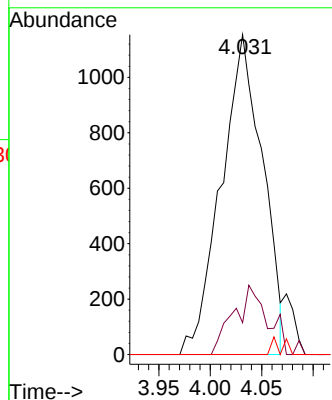
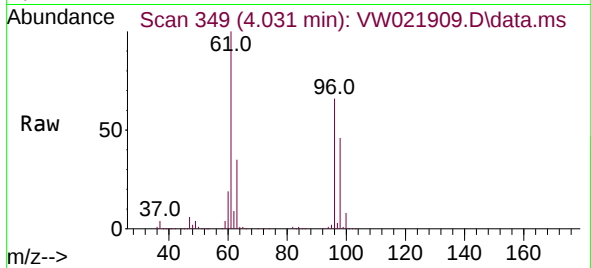




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.311 ug/L
 RT: 4.031 min Scan# 349
 Delta R.T. -0.024 min
 Lab File: VW021909.D
 Acq: 14 Jan 2022 13:25

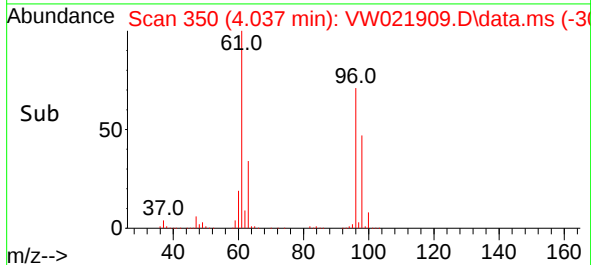
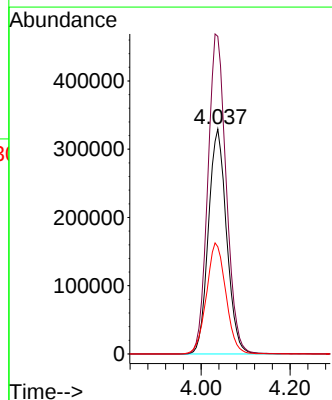
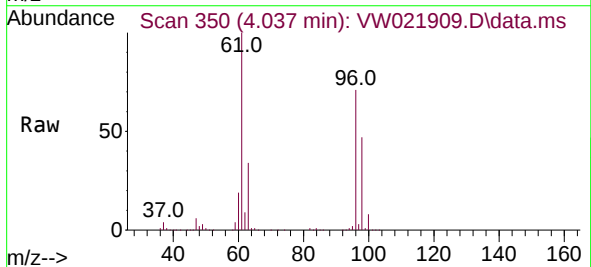
Instrument :
 MSVOA_W
 ClientSampleId :
 BGLS2

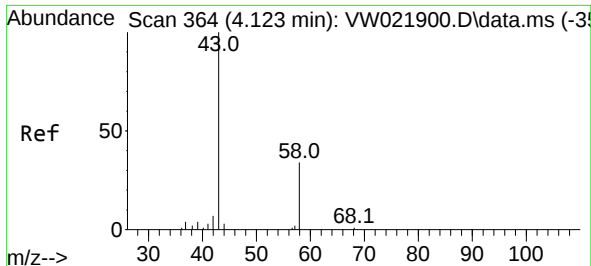
Tgt Ion:101 Resp: 3235
 Ion Ratio Lower Upper
 101 100
 85 8.3 36.6 54.8#
 151 0.0 57.4 86.0#



#12
 1,1-Dichloroethene
 Concen: 422.987 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. -0.000 min
 Lab File: VW021909.D
 Acq: 14 Jan 2022 13:25

Tgt Ion: 96 Resp: 937968
 Ion Ratio Lower Upper
 96 100
 61 141.2 138.3 256.9
 63 47.7 82.6 153.4#





#13

Acetone

Concen: 12.851 ug/L

RT: 4.135 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW021909.D

Acq: 14 Jan 2022 13:25

Instrument :

MSVOA_W

ClientSampleId :

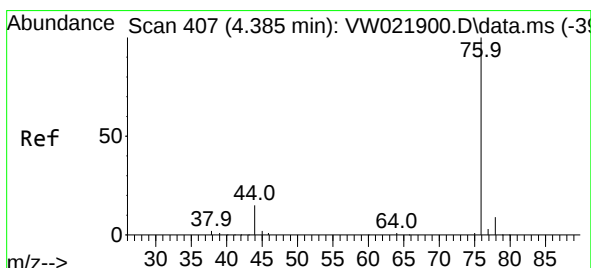
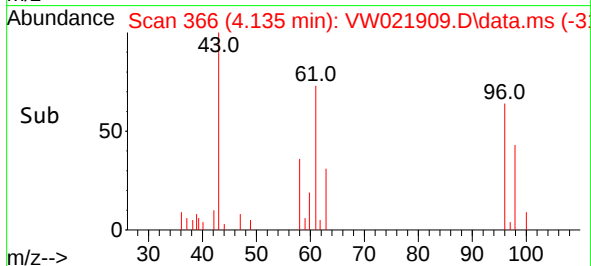
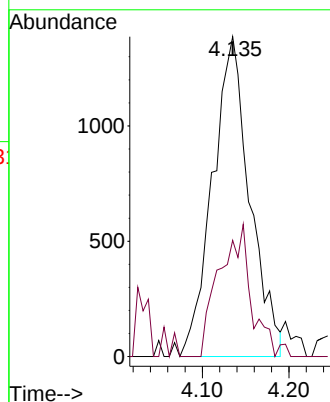
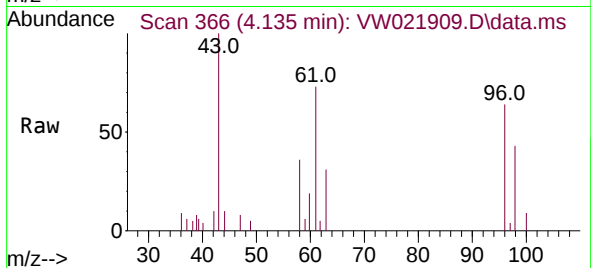
BGLS2

Tgt Ion: 43 Resp: 4138

Ion Ratio Lower Upper

43 100

58 14.2 0.0 52.8



#14

Carbon disulfide

Concen: 2.108 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021909.D

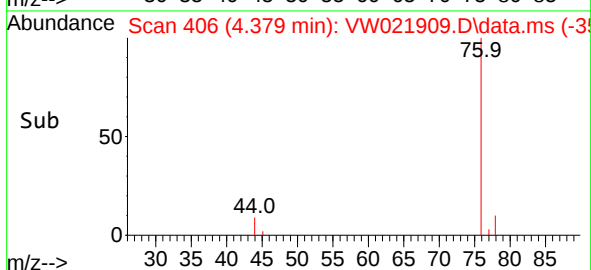
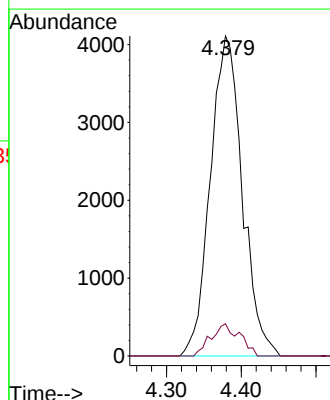
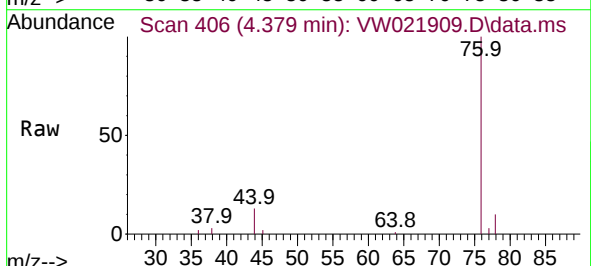
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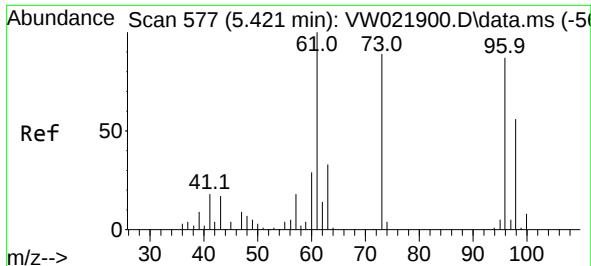
Tgt Ion: 76 Resp: 12239

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7

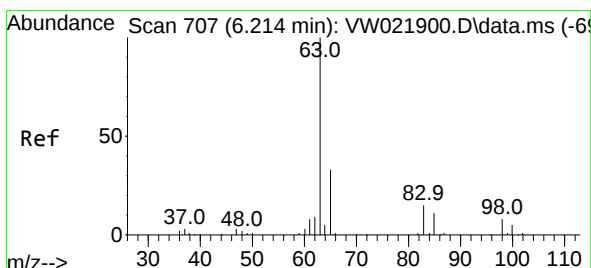
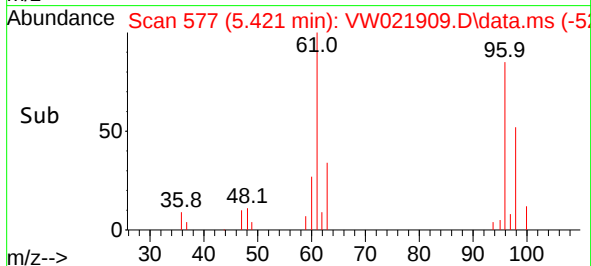
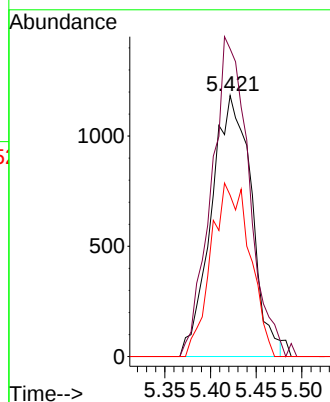
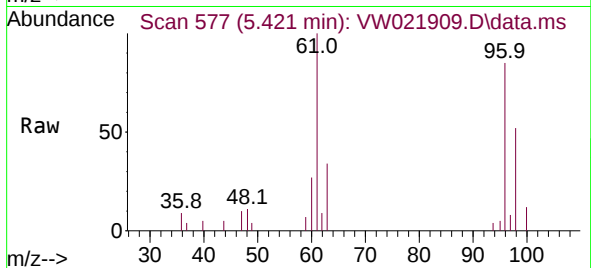




#17
trans-1,2-Dichloroethene
Concen: 1.510 ug/L
RT: 5.421 min Scan# 517
Delta R.T. -0.000 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

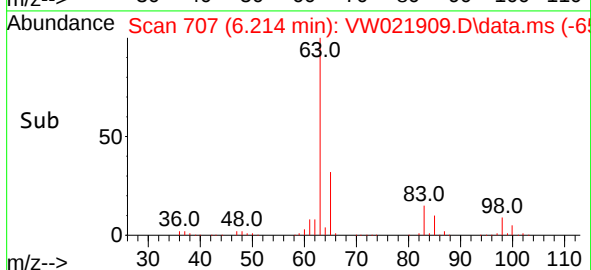
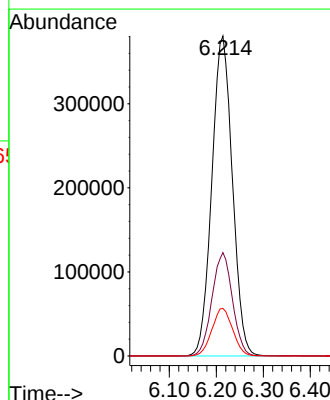
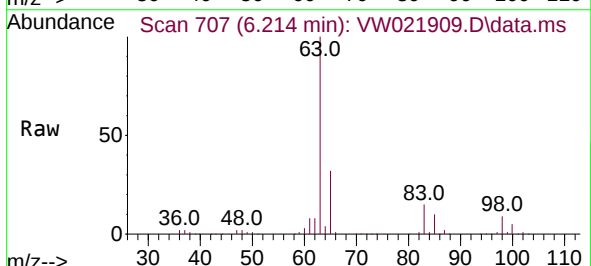
Instrument :
MSVOA_W
ClientSampleId :
BGLS2

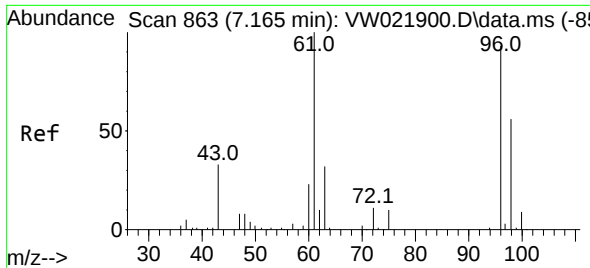
Tgt Ion: 96 Resp: 3618
Ion Ratio Lower Upper
96 100
61 117.9 107.4 199.4
98 61.8 41.2 76.6



#19
1,1-Dichloroethane
Concen: 328.500 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

Tgt Ion: 63 Resp: 1154356
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 14.8 9.2 17.2



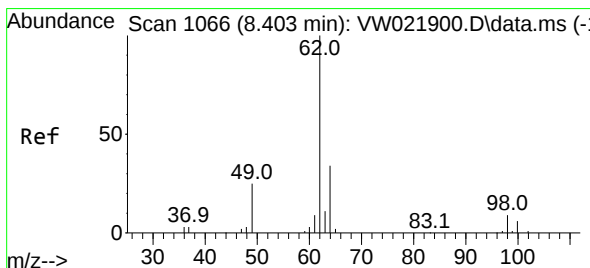
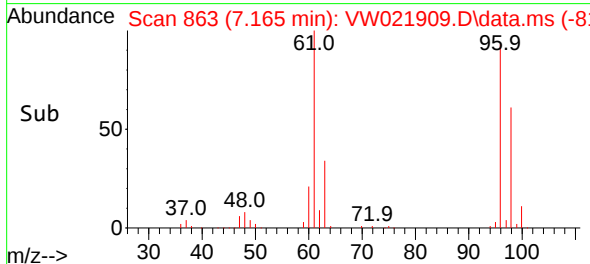
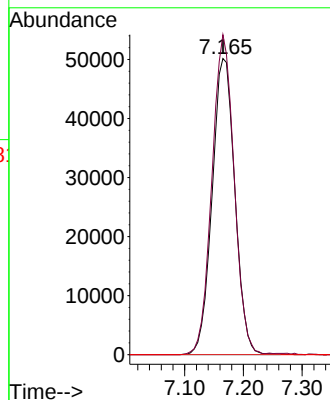
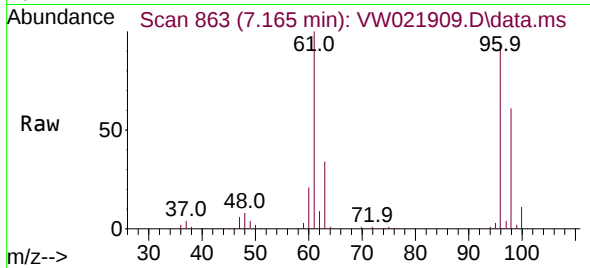


#20
 cis-1,2-Dichloroethene
 Concen: 54.676 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VW021909.D
 Acq: 14 Jan 2022 13:25

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLS2

Tgt Ion: 96 Resp: 134773

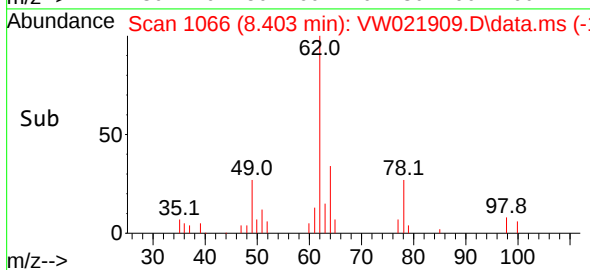
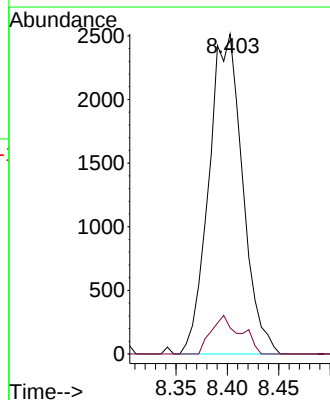
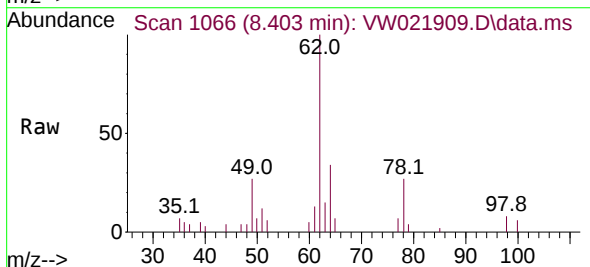
Ion	Ratio	Lower	Upper
96	100		
61	108.1	103.7	192.7
68	0.0	0.0	0.0

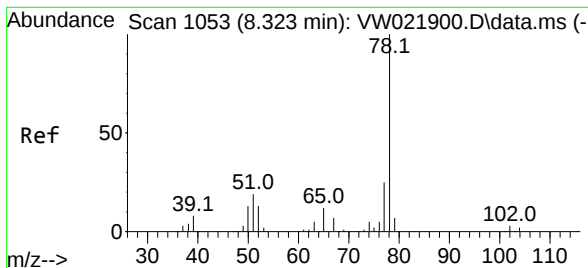


#27
 1,2-Dichloroethane
 Concen: 2.378 ug/L
 RT: 8.403 min Scan# 1066
 Delta R.T. -0.000 min
 Lab File: VW021909.D
 Acq: 14 Jan 2022 13:25

Tgt Ion: 62 Resp: 5726

Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.5	9.7





#33

Benzene

Concen: 1.878 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW021909.D

Acq: 14 Jan 2022 13:25

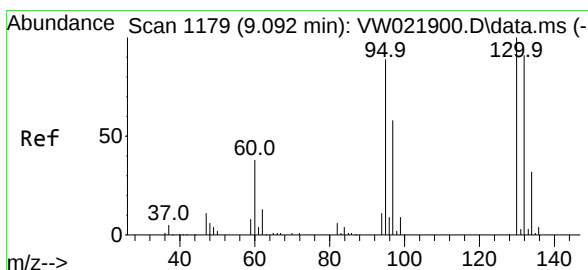
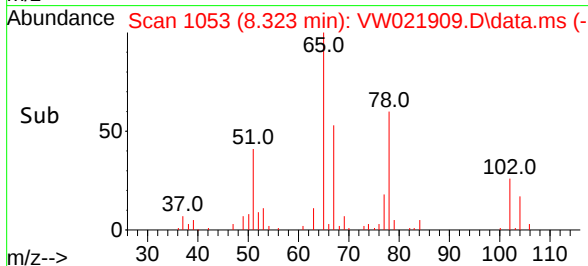
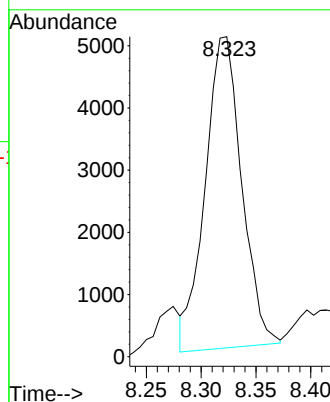
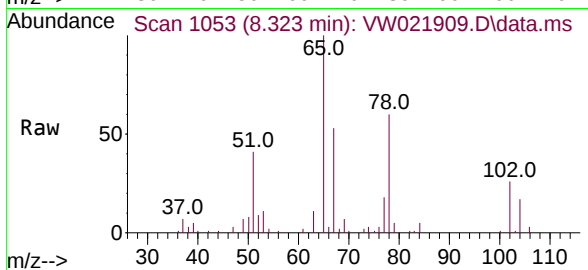
Instrument :

MSVOA_W

ClientSampleId :

BGLS2

Tgt Ion: 78 Resp: 11611



#34

Trichloroethene

Concen: 1919.900 ug/L

RT: 9.091 min Scan# 1179

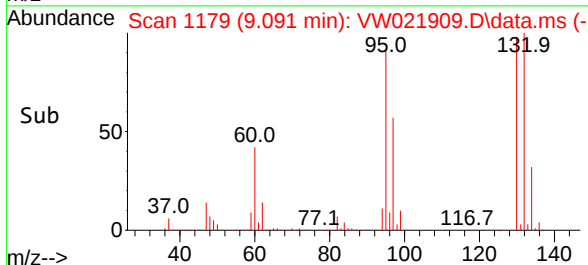
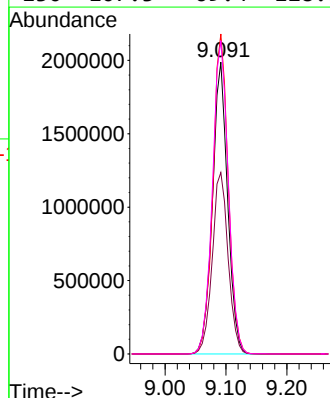
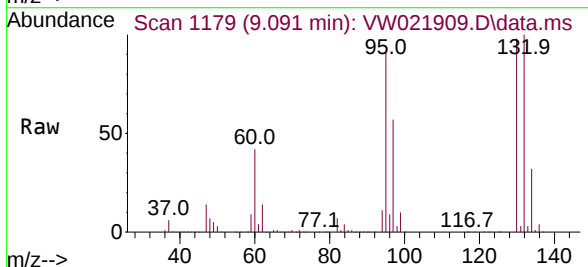
Delta R.T. -0.000 min

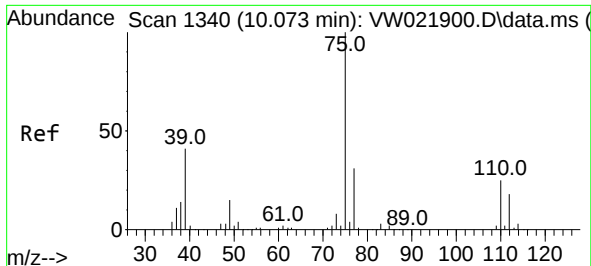
Lab File: VW021909.D

Acq: 14 Jan 2022 13:25

Tgt Ion: 95 Resp: 3443819

Ion	Ratio	Lower	Upper
95	100		
97	62.2	47.0	87.2
132	109.6	65.5	121.6
130	107.3	69.4	128.8





#39

cis-1,3-Dichloropropene

Concen: 0.712 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021909.D

Acq: 14 Jan 2022 13:25

Instrument :

MSVOA_W

ClientSampleId :

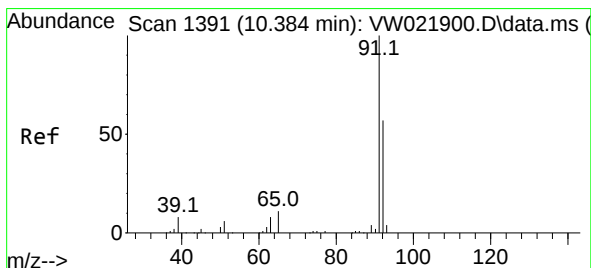
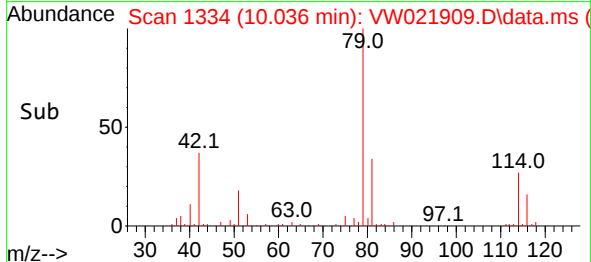
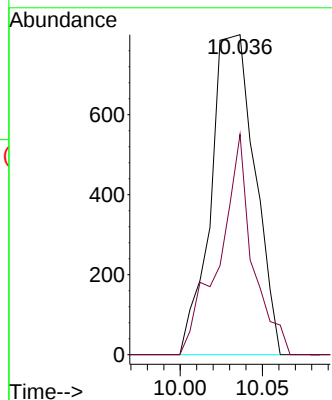
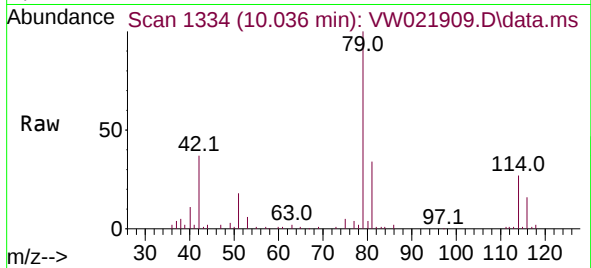
BGLS2

Tgt Ion: 75 Resp: 1491

Ion Ratio Lower Upper

75 100

77 68.9 21.8 40.6#



#42

Toluene

Concen: 4.310 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW021909.D

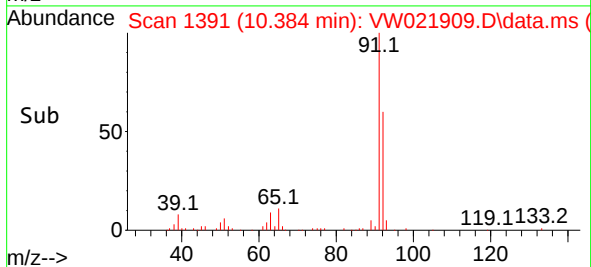
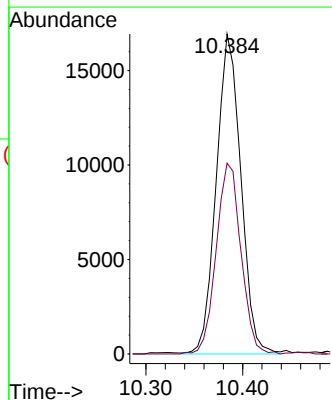
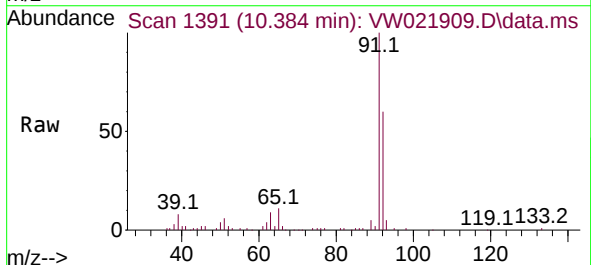
Acq: 14 Jan 2022 13:25

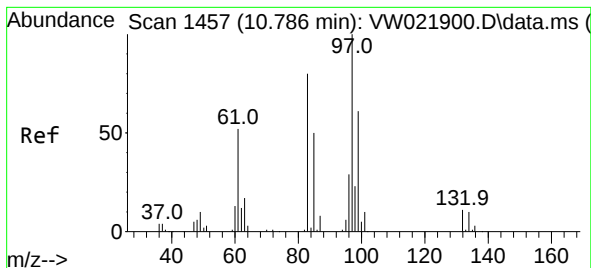
Tgt Ion: 91 Resp: 29888

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5

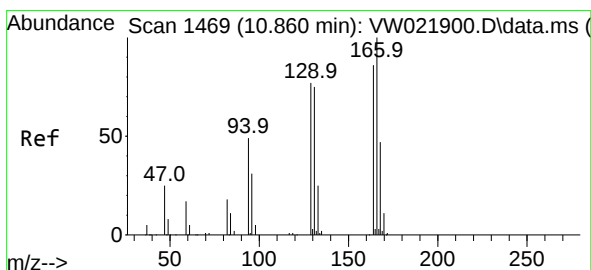
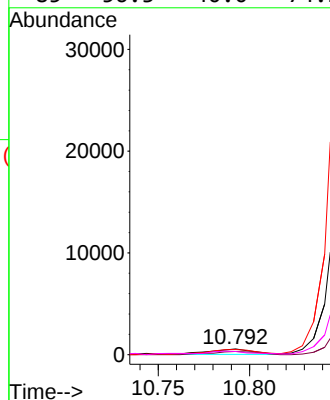
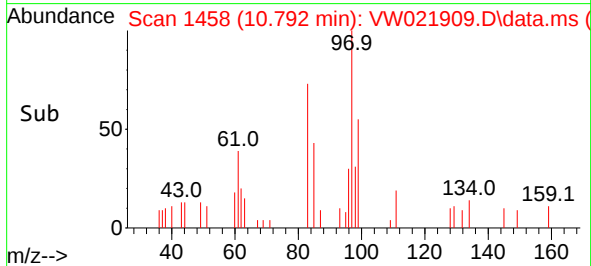
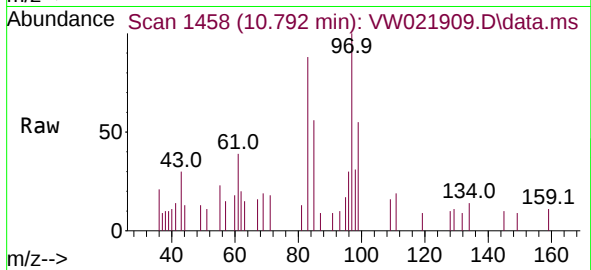




#45
1,1,2-Trichloroethane
Concen: 0.765 ug/L
RT: 10.792 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

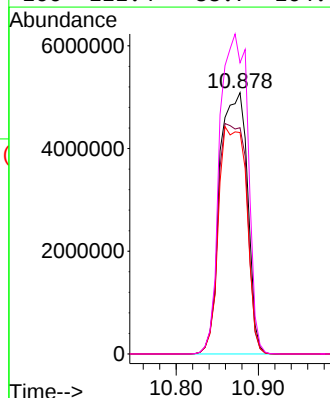
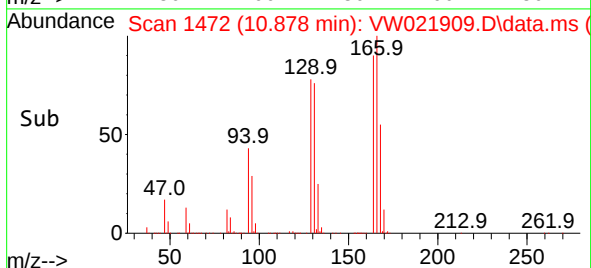
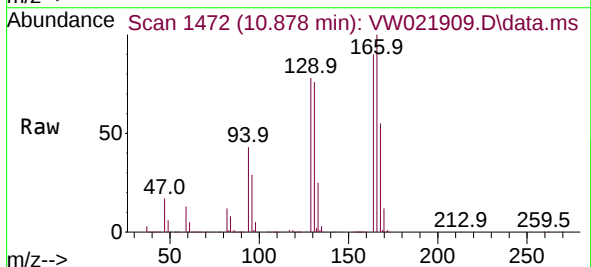
Instrument :
MSVOA_W
ClientSampleId :
BGLS2

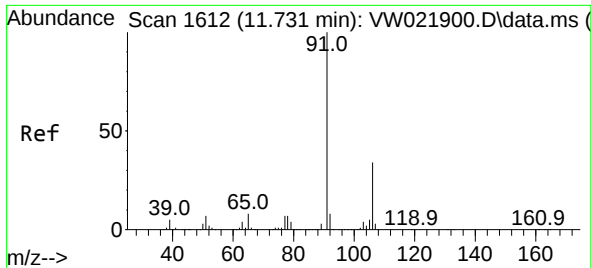
Tgt Ion: 97	Resp:	875	
Ion	Ratio	Lower	Upper
97	100		
99	54.7	43.0	79.8
83	88.3	62.6	116.3
85	56.3	40.0	74.2



#46
Tetrachloroethene
Concen: 6670.584 ug/L
RT: 10.878 min Scan# 1472
Delta R.T. 0.018 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

Tgt Ion:164	Resp:11832102		
Ion	Ratio	Lower	Upper
164	100		
129	86.6	65.5	121.7
131	84.7	59.7	110.9
166	111.4	88.7	164.7

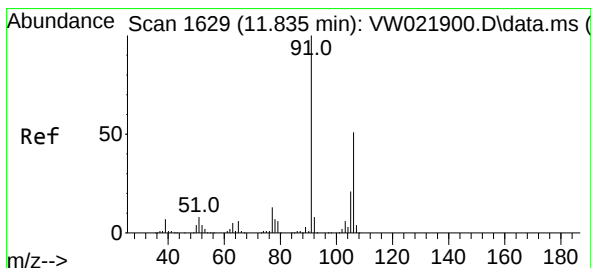
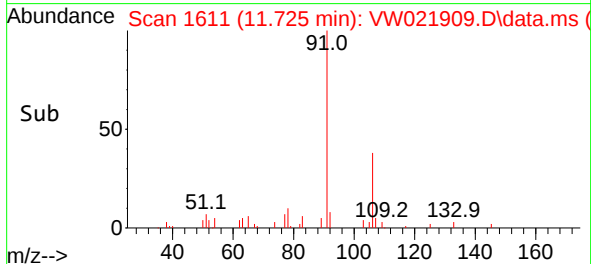
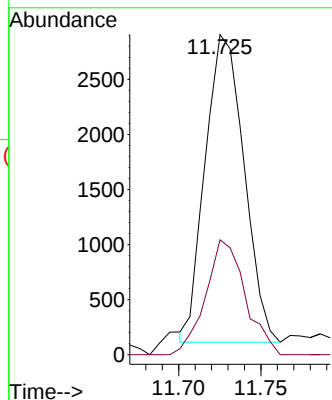
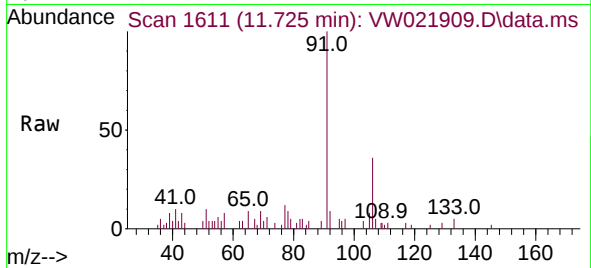




#52
Ethylbenzene
Concen: 0.596 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

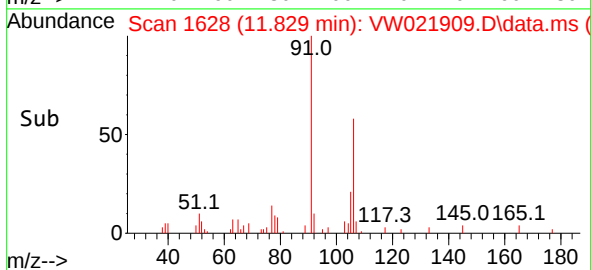
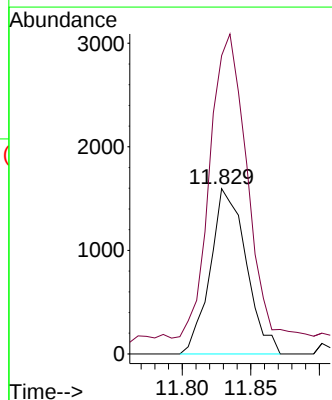
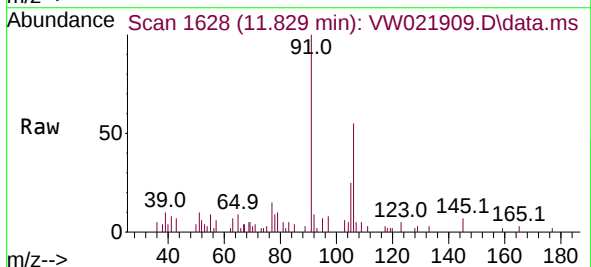
Instrument :
MSVOA_W
ClientSampleId :
BGLS2

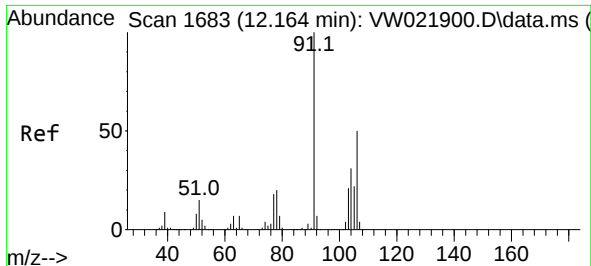
Tgt Ion: 91 Resp: 4593
Ion Ratio Lower Upper
91 100
106 35.9 21.5 39.9



#53
m,p-Xylene
Concen: 0.902 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.006 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

Tgt Ion: 106 Resp: 2906
Ion Ratio Lower Upper
106 100
91 180.5 149.9 278.3

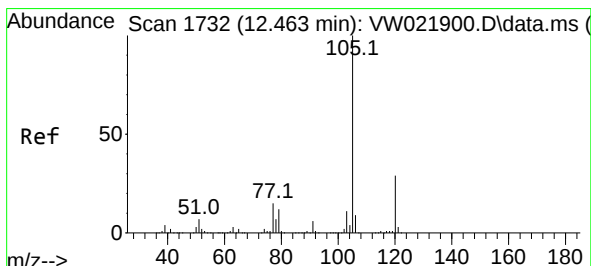
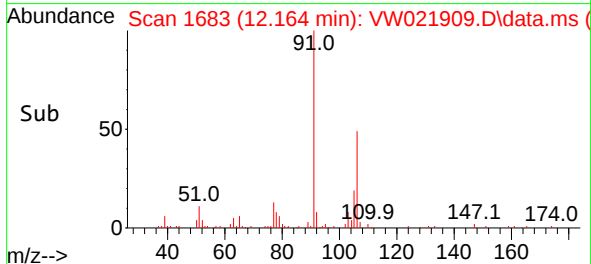
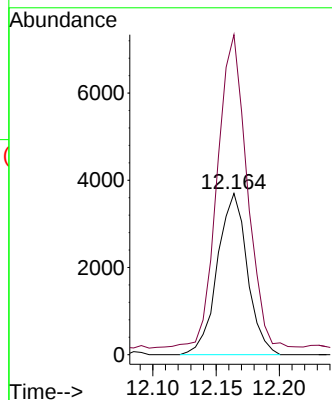
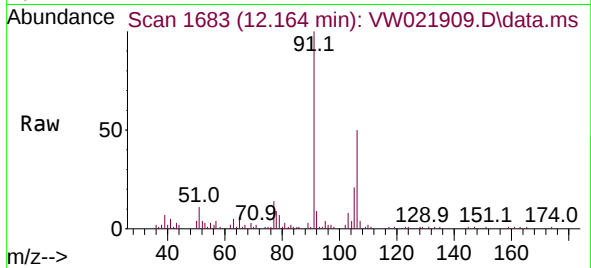




#54
o-Xylene
Concen: 2.034 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

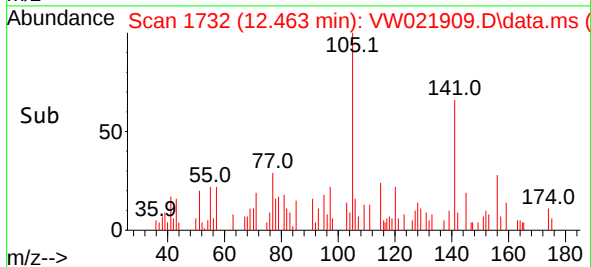
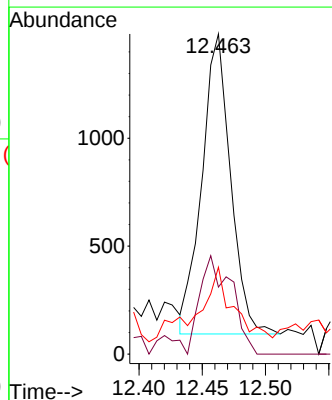
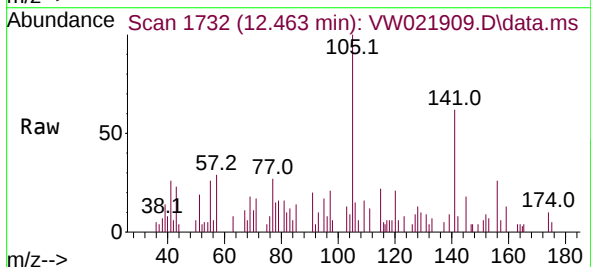
Instrument :
MSVOA_W
ClientSampleId :
BGLS2

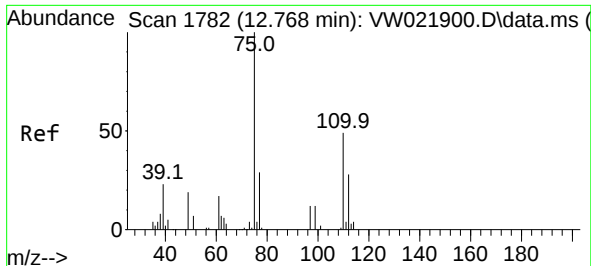
Tgt Ion:106 Resp: 6083
Ion Ratio Lower Upper
106 100
91 198.5 153.6 285.3



#60
Isopropylbenzene
Concen: 0.542 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

Tgt Ion:105 Resp: 2194
Ion Ratio Lower Upper
105 100
120 14.5 20.1 30.1#
77 10.3 13.8 20.8#

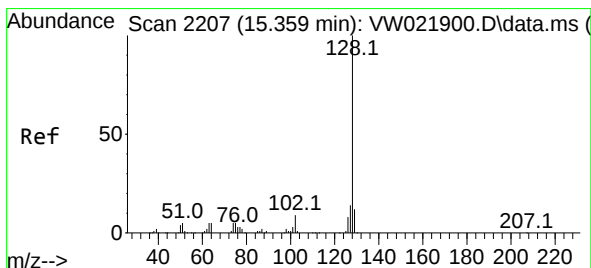
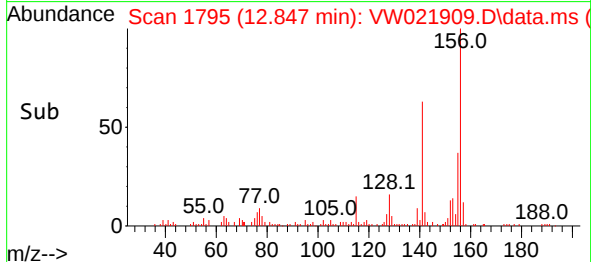
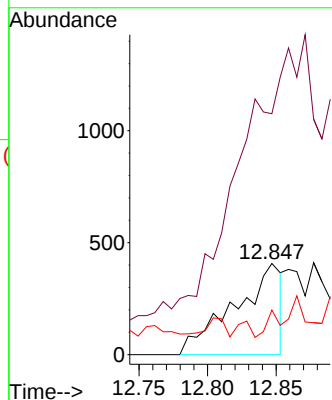
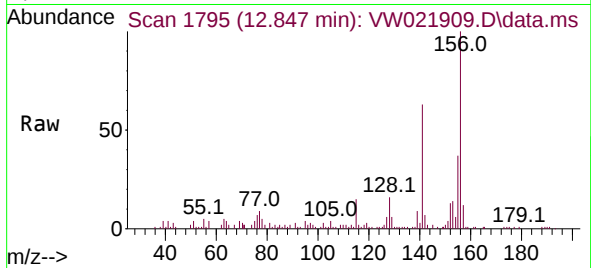




#61
1,2,3-Trichloropropane
Concen: 2.277 ug/L
RT: 12.847 min Scan# 11
Delta R.T. 0.079 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

Instrument :
MSVOA_W
ClientSampleId :
BGLS2

Tgt Ion: 75 Resp: 967
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 7.7 29.0 43.4#



#71
Naphthalene
Concen: 1.108 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW021909.D
Acq: 14 Jan 2022 13:25

Tgt Ion:128 Resp: 2059
Ion Ratio Lower Upper
128 100
127 11.2 10.7 16.1
129 15.5 8.6 12.8#

