

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011322\
 Data File : VW021882.D
 Acq On : 13 Jan 2022 11:26
 Operator : SY/VA
 Sample : N1114-09
 Misc : 5.43g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLQ1

Quant Time: Jan 14 00:54:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 12 23:48:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	140666	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	107045	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	30150	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	38430	14.699	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.800%
7) Chloroethane-d5	2.879	69	32283	13.674	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.680%
11) 1,1-Dichloroethene-d2	4.038	63	511762	123.984	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	495.920%#
21) 2-Butanone-d5	7.086	46	20125	54.535	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.080%
24) Chloroform-d	7.653	84	86520	19.039	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.160%
26) 1,2-Dichloroethane-d4	8.305	65	44390	20.228	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.920%
32) Benzene-d6	8.275	84	170499	24.547	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	9.275	67	43769	23.908	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.640%
41) Toluene-d8	10.323	98	146572	20.933	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.720%
43) trans-1,3-Dichloroprop...	10.579	79	16425	21.131	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.520%
47) 2-Hexanone-d5	10.921	63	13463	54.195	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.400%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	29989	20.948	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	13.853	152	24877	20.067	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.280%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.038	96	954340	454.528	ug/L #	57
13) Acetone	4.147	43	4034	13.231	ug/L	96
17) trans-1,2-Dichloroethene	5.428	96	2724	1.201	ug/L	79
19) 1,1-Dichloroethane	6.220	63	1442273	433.473	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	32652	13.990	ug/L	65
27) 1,2-Dichloroethane	8.403	62	4976	2.183	ug/L #	89
30) 1,1,1-Trichloroethane	7.872	97	1384	0.499	ug/L #	76
33) Benzene	8.323	78	5041	0.768	ug/L	100
34) Trichloroethene	9.092	95	3826729	2009.506	ug/L	90
35) Methylcyclohexane	9.275	83	11857	3.786	ug/L #	15
37) 1,2-Dichloropropane	9.275	63	5215	3.647	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	1493	0.672	ug/L #	56
42) Toluene	10.384	91	437948	59.489	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	716	0.590	ug/L #	72
46) Tetrachloroethene	10.860	164	11806044	6269.454	ug/L	95
48) 2-Hexanone	10.927	43	1961	4.267	ug/L #	67
52) Ethylbenzene	11.731	91	4860	0.594	ug/L	93
53) m,p-Xylene	11.835	106	6698	1.959	ug/L	77
54) o-Xylene	12.164	106	3914	1.233	ug/L	90

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jan 12 23:48:31 2022
Response via : Initial Calibration

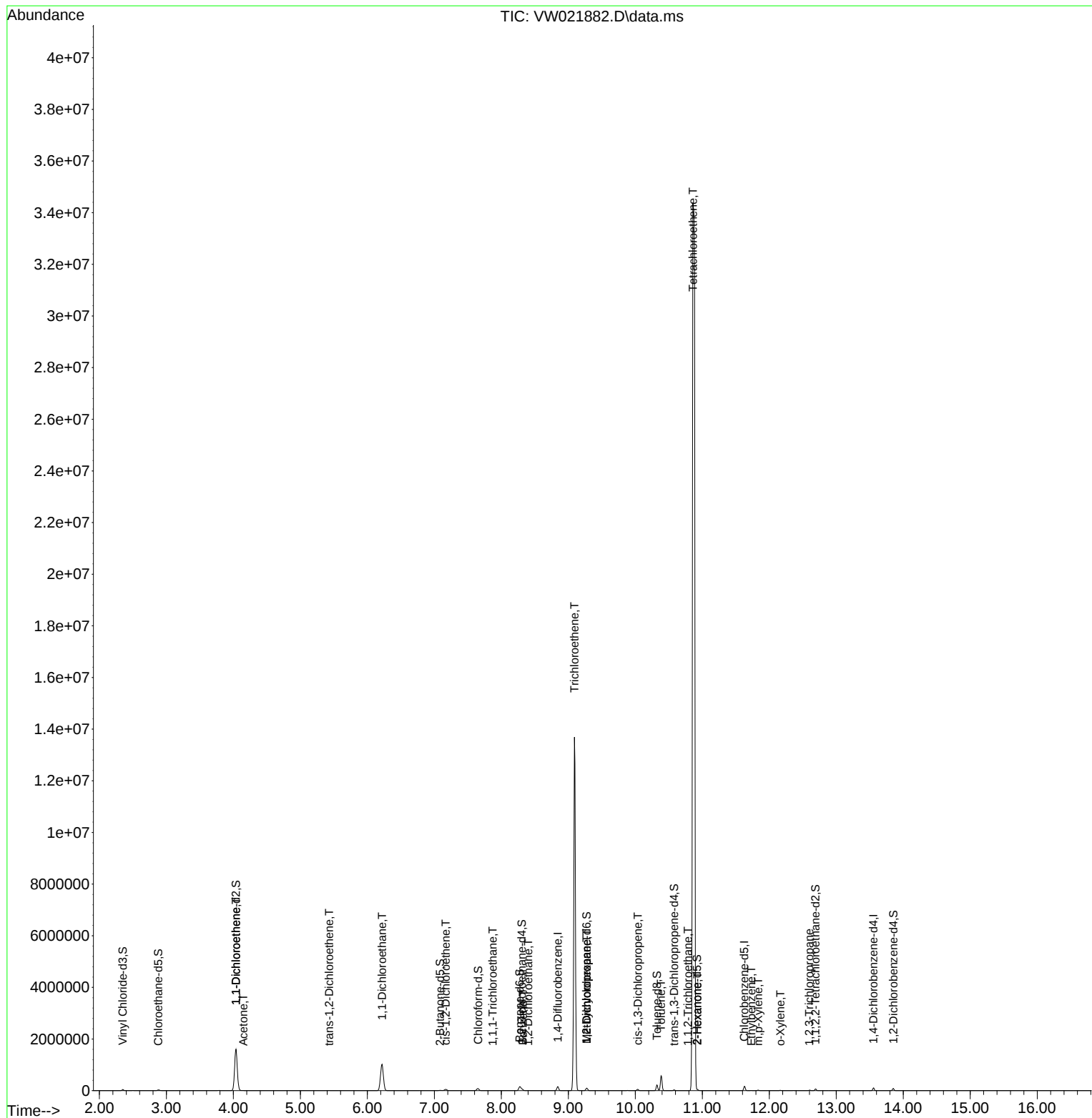
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	12.597	75	455	1.056	ug/L #	1

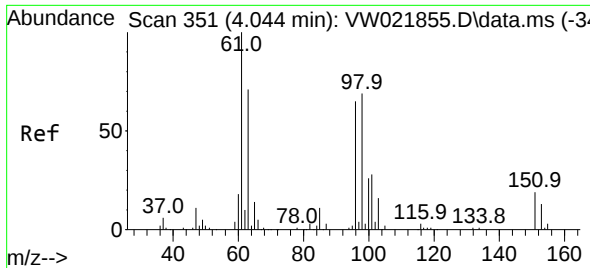
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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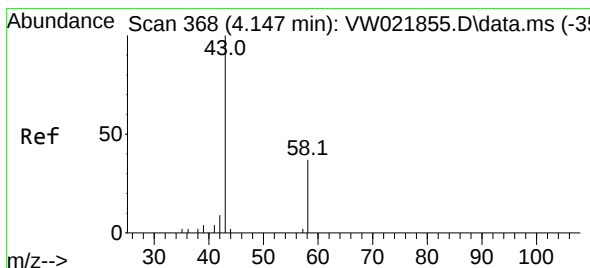
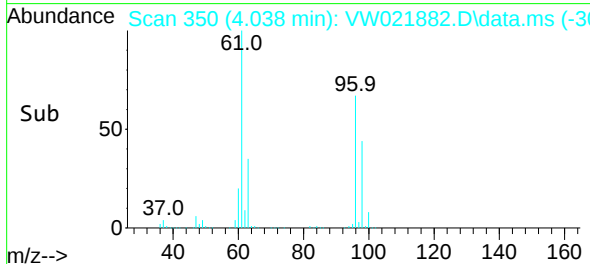
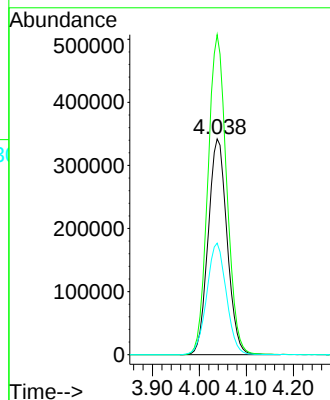
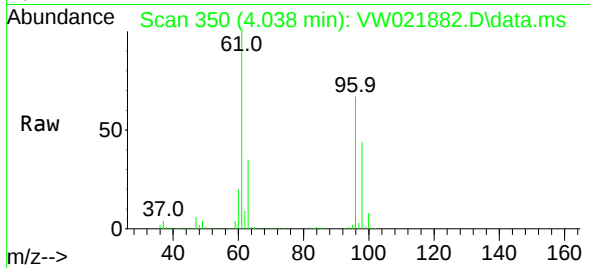




#12
 1,1-Dichloroethene
 Concen: 454.528 ug/L
 RT: 4.038 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW021882.D
 Acq: 13 Jan 2022 11:26

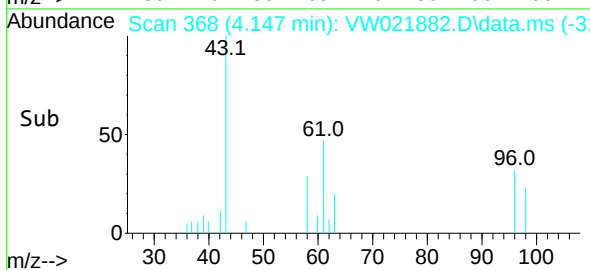
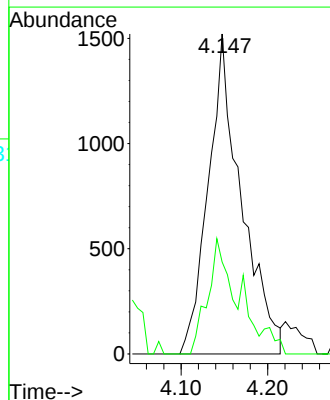
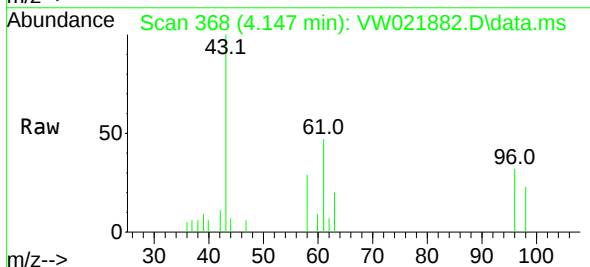
Instrument :
 MSVOA_W
 ClientSampleId :
 BGLQ1

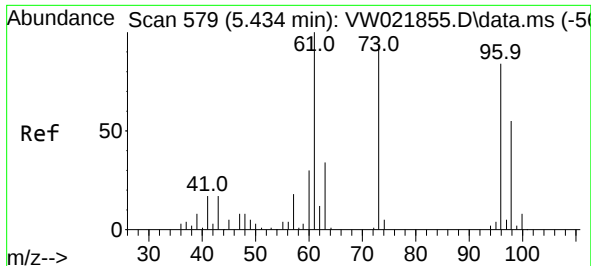
Tgt Ion: 96 Resp: 954340
 Ion Ratio Lower Upper
 96 100
 61 148.2 138.3 256.9
 63 51.6 82.6 153.4#



#13
 Acetone
 Concen: 13.231 ug/L
 RT: 4.147 min Scan# 368
 Delta R.T. 0.000 min
 Lab File: VW021882.D
 Acq: 13 Jan 2022 11:26

Tgt Ion: 43 Resp: 4034
 Ion Ratio Lower Upper
 43 100
 58 24.4 0.0 52.8





#17

trans-1,2-Dichloroethene

Concen: 1.201 ug/L

RT: 5.428 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW021882.D

Acq: 13 Jan 2022 11:26

Instrument :

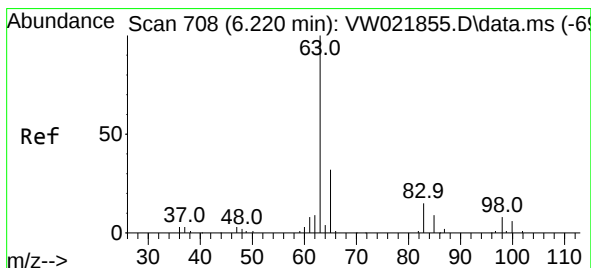
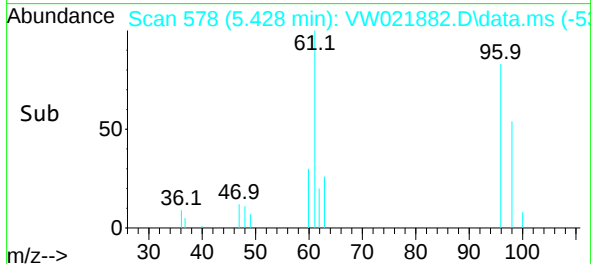
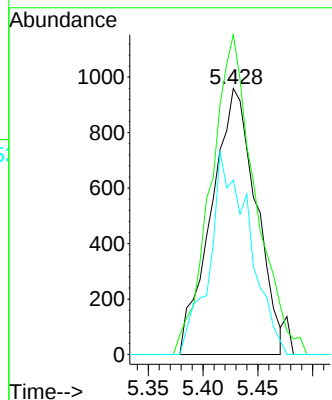
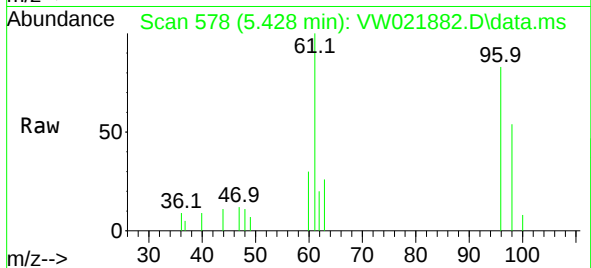
MSVOA_W

ClientSampleId :

BGLQ1

Tgt Ion: 96 Resp: 2724

Ion	Ratio	Lower	Upper
96	100		
61	120.2	107.4	199.4
98	65.5	41.2	76.6



#19

1,1-Dichloroethane

Concen: 433.473 ug/L

RT: 6.220 min Scan# 708

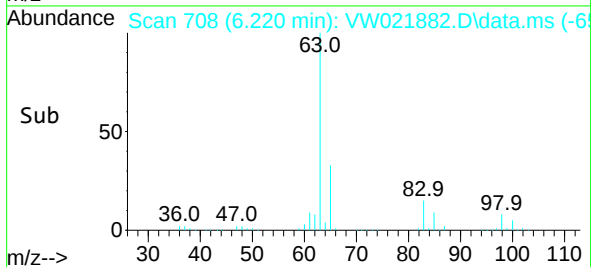
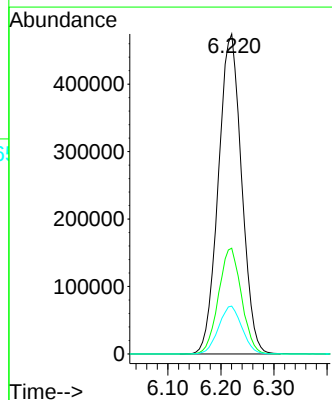
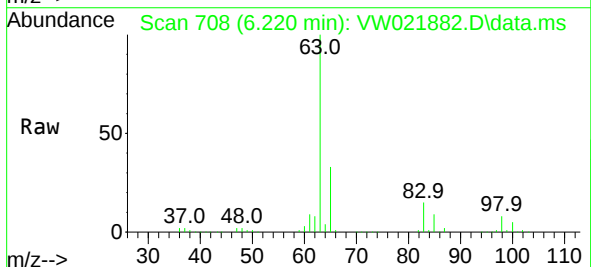
Delta R.T. 0.000 min

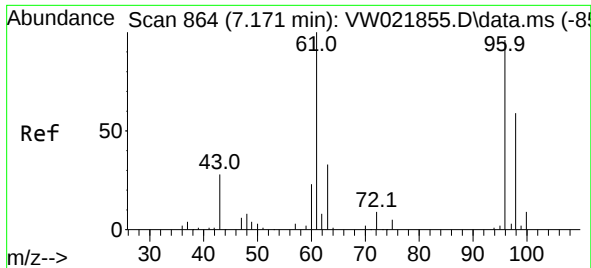
Lab File: VW021882.D

Acq: 13 Jan 2022 11:26

Tgt Ion: 63 Resp: 1442273

Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.1	41.1
83	14.9	9.2	17.2

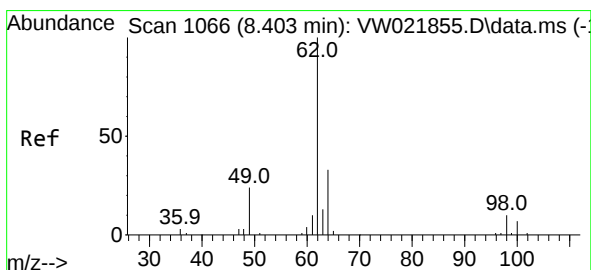
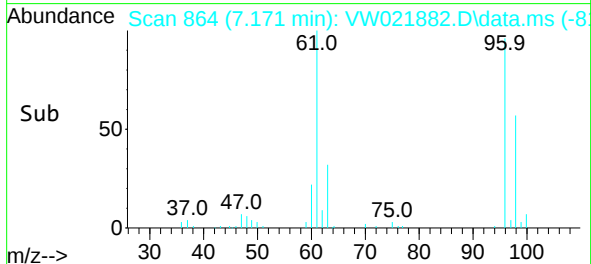
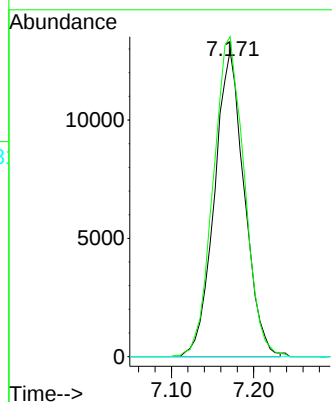
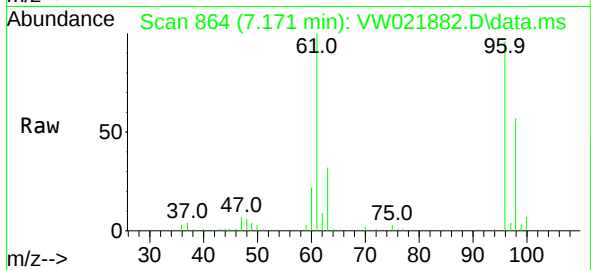




#20
 cis-1,2-Dichloroethene
 Concen: 13.990 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VW021882.D
 Acq: 13 Jan 2022 11:26

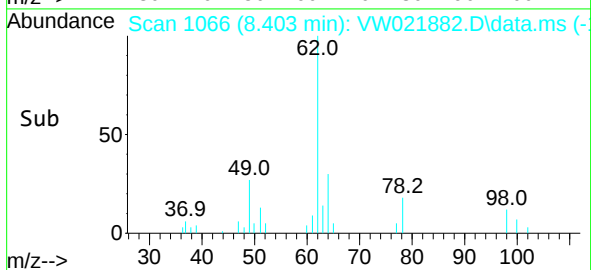
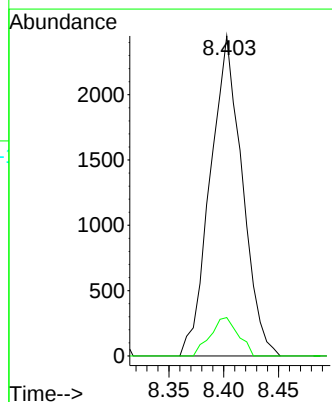
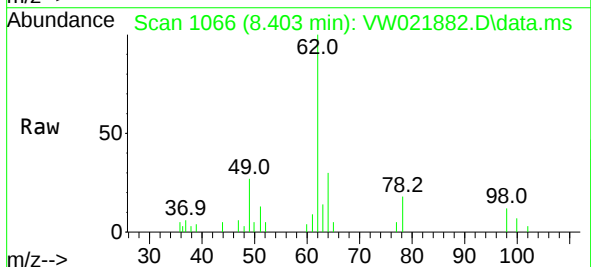
Instrument :
 MSVOA_W
 ClientSampleId :
 BGLQ1

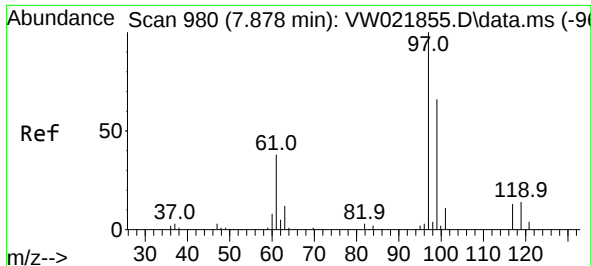
Tgt Ion: 96 Resp: 32652
 Ion Ratio Lower Upper
 96 100
 61 104.6 103.7 192.7
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 2.183 ug/L
 RT: 8.403 min Scan# 1066
 Delta R.T. 0.000 min
 Lab File: VW021882.D
 Acq: 13 Jan 2022 11:26

Tgt Ion: 62 Resp: 4976
 Ion Ratio Lower Upper
 62 100
 98 12.0 6.5 9.7#

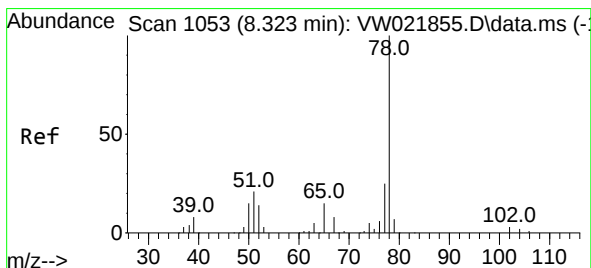
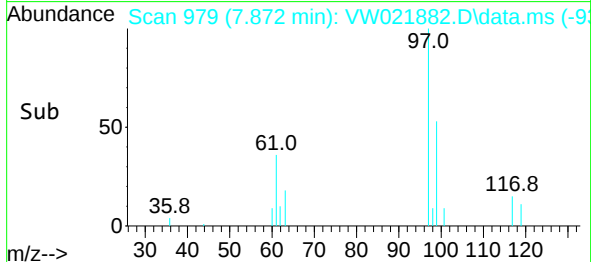
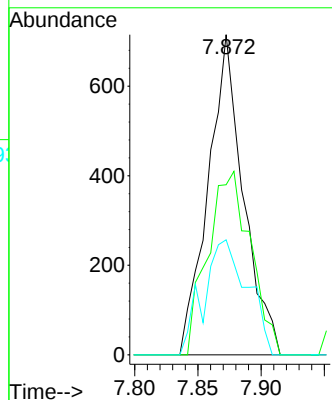
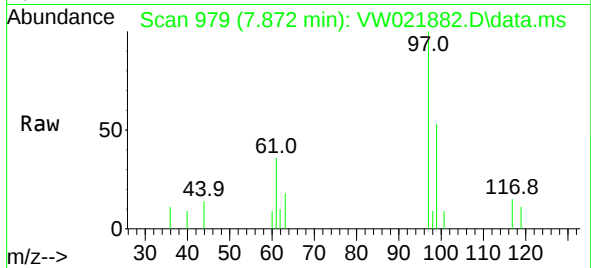




#30
1,1,1-Trichloroethane
Concen: 0.499 ug/L
RT: 7.872 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

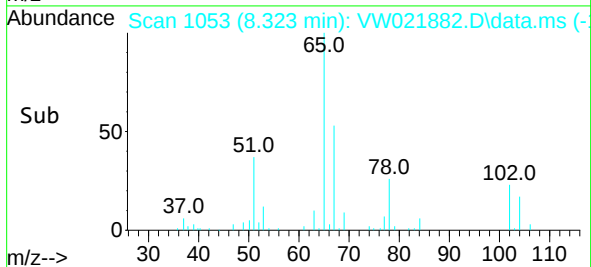
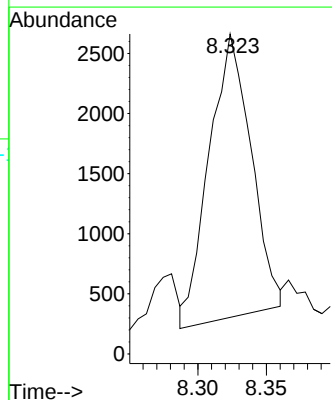
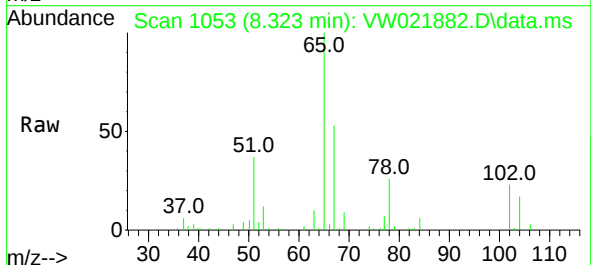
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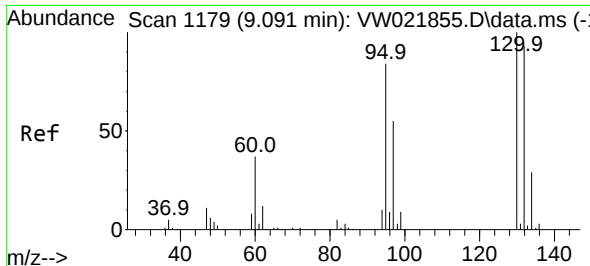
Tgt Ion: 97 Resp: 1384
Ion Ratio Lower Upper
97 100
99 69.7 51.6 77.4
61 19.4 40.9 61.3#



#33
Benzene
Concen: 0.768 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

Tgt Ion: 78 Resp: 5041

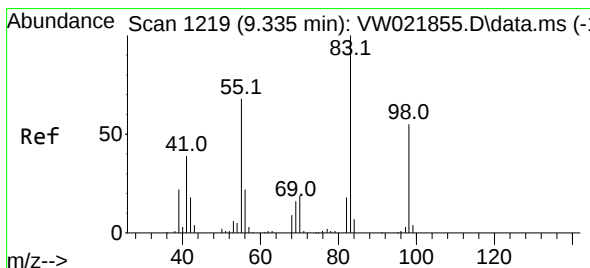
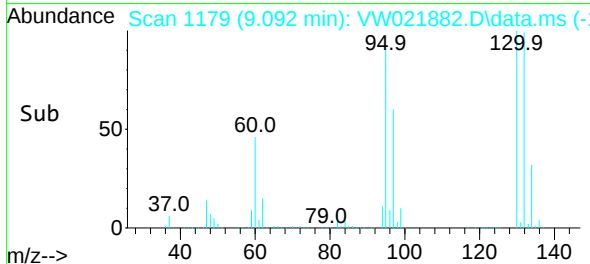
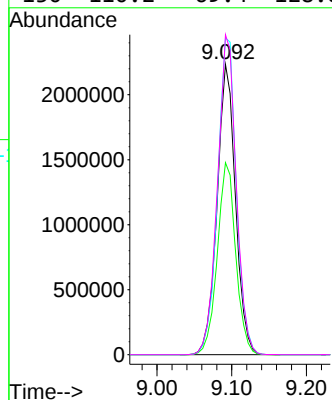
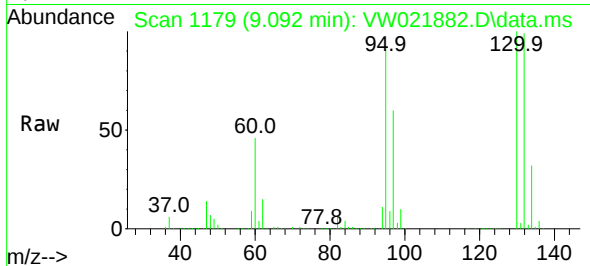




#34
Trichloroethene
Concen: 2009.506 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

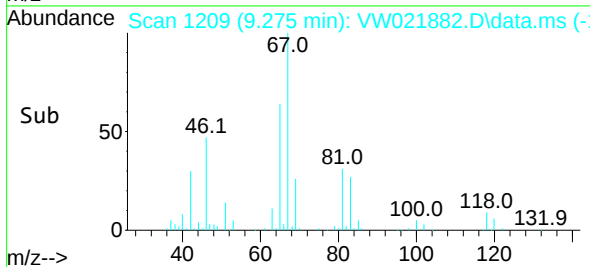
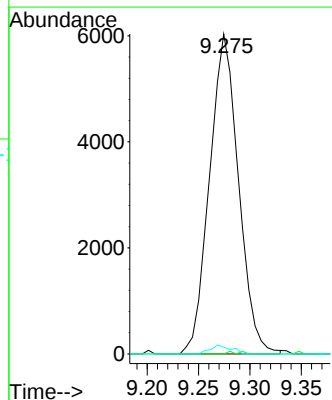
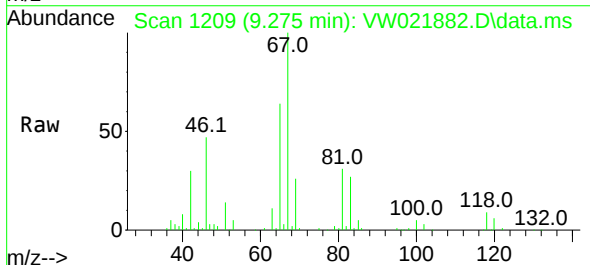
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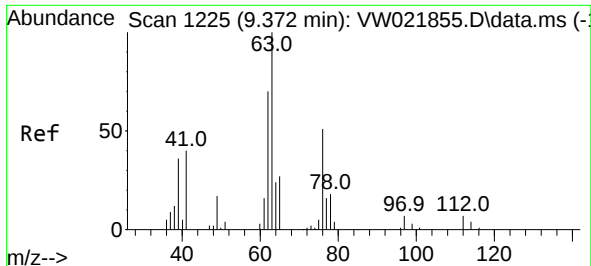
Tgt Ion: 95 Resp: 3826729
Ion Ratio Lower Upper
95 100
97 66.1 47.0 87.2
132 109.1 65.5 121.6
130 110.2 69.4 128.8



#35
Methylcyclohexane
Concen: 3.786 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

Tgt Ion: 83 Resp: 11857
Ion Ratio Lower Upper
83 100
55 0.2 70.8 106.2#
98 2.0 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 3.647 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021882.D

Acq: 13 Jan 2022 11:26

Instrument :

MSVOA_W

ClientSampleId :

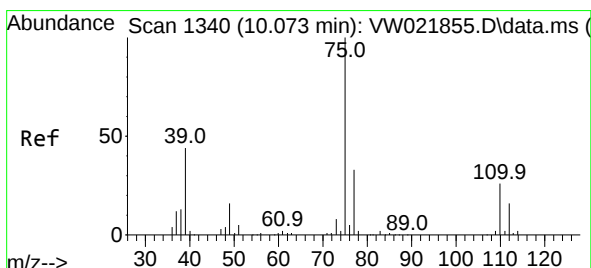
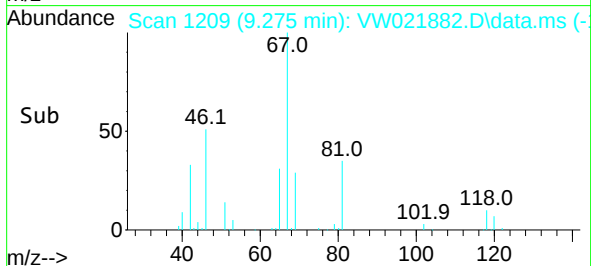
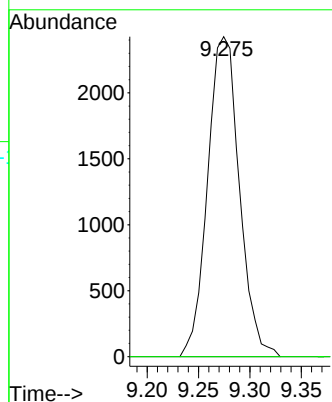
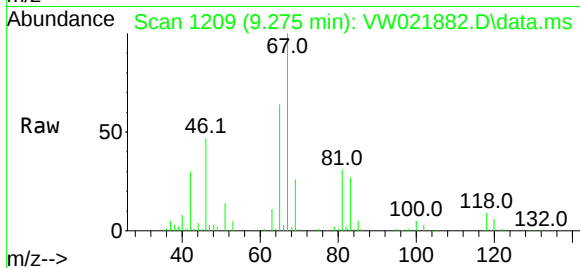
BGLQ1

Tgt Ion: 63 Resp: 5215

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.672 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.036 min

Lab File: VW021882.D

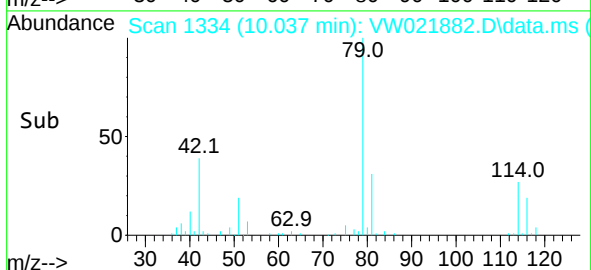
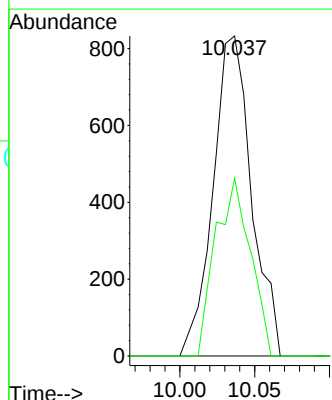
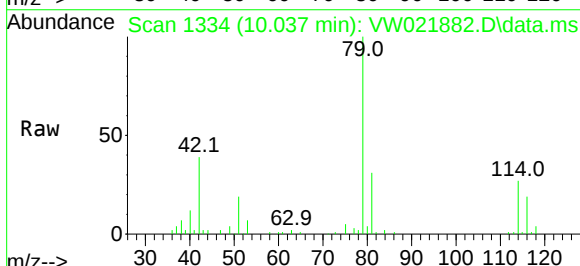
Acq: 13 Jan 2022 11:26

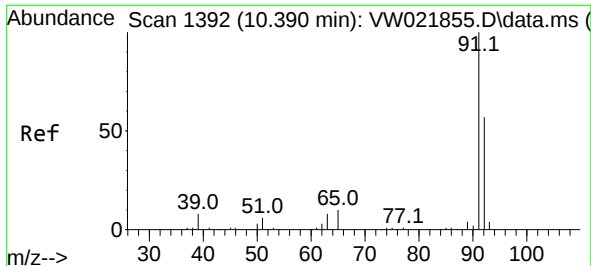
Tgt Ion: 75 Resp: 1493

Ion Ratio Lower Upper

75 100

77 55.6 21.8 40.6#

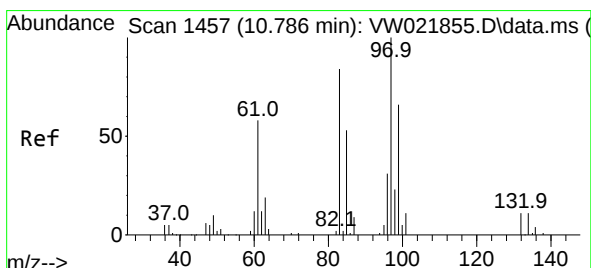
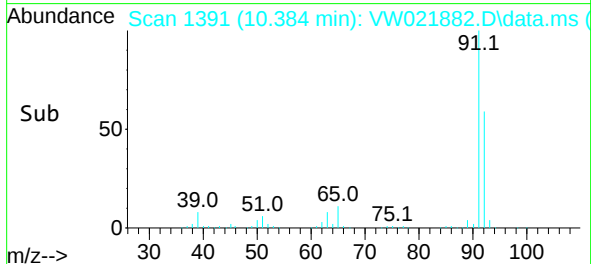
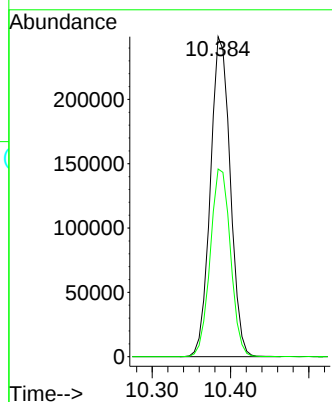
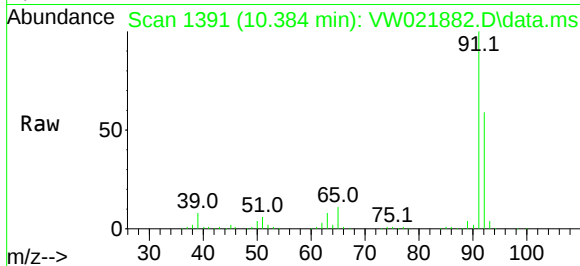




#42
Toluene
Concen: 59.489 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

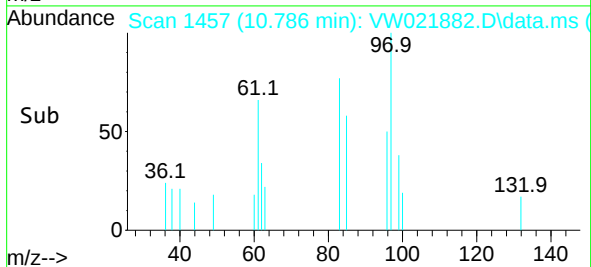
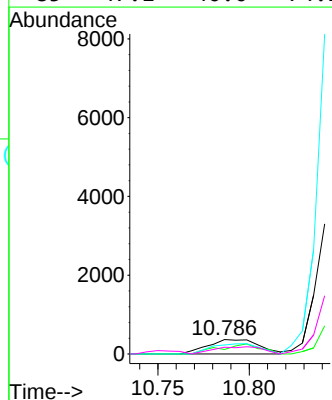
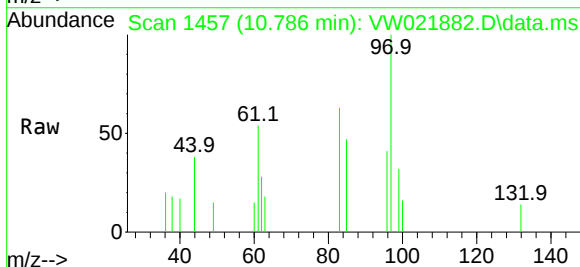
Instrument :
MSVOA_W
ClientSampleId :
BGLQ1

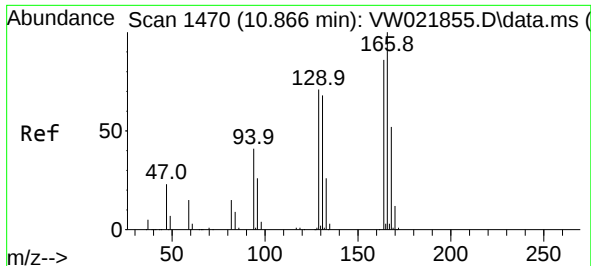
Tgt Ion: 91 Resp: 437948
Ion Ratio Lower Upper
91 100
92 58.7 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 0.590 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

Tgt Ion: 97 Resp: 716
Ion Ratio Lower Upper
97 100
99 31.5 43.0 79.8#
83 62.7 62.6 116.3
85 47.1 40.0 74.2

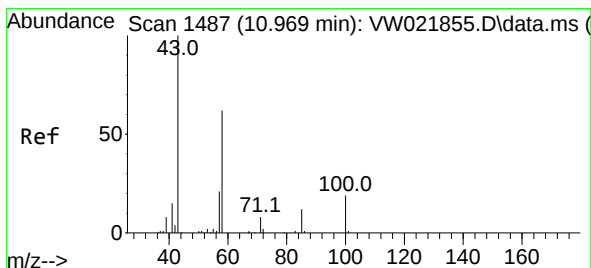
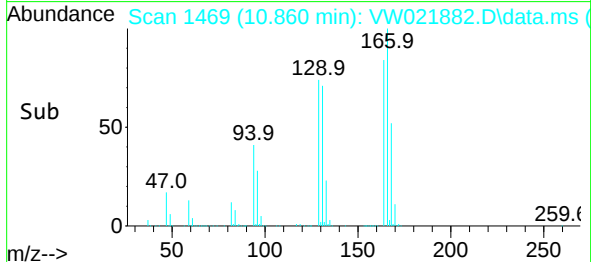
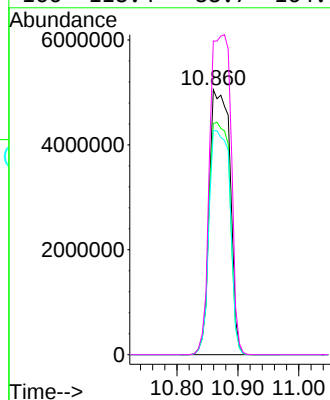
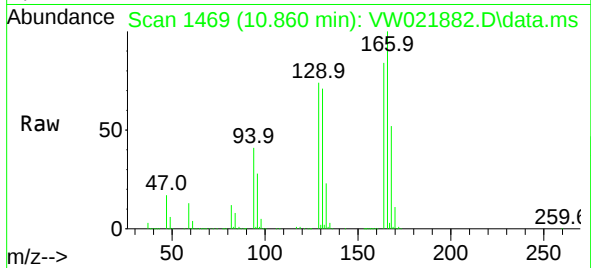




#46
Tetrachloroethene
Concen: 6269.454 ug/L
RT: 10.860 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

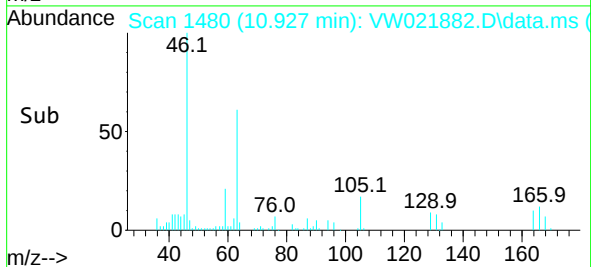
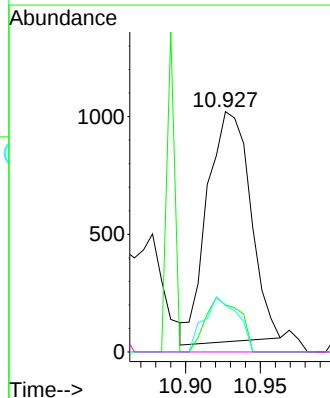
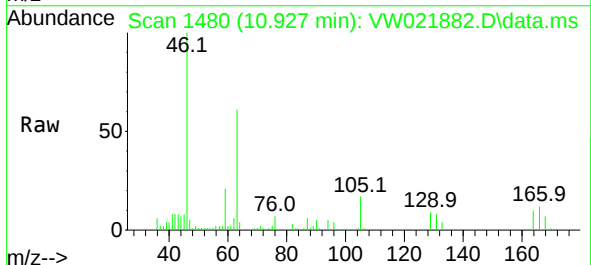
Instrument :
MSVOA_W
ClientSampleId :
BGLQ1

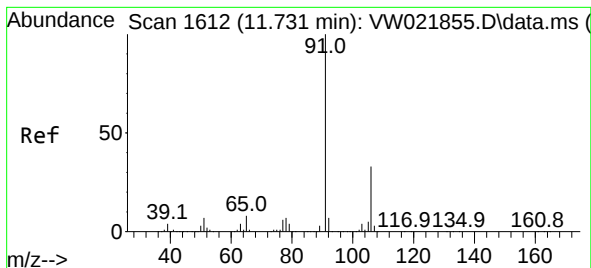
Tgt Ion:164 Resp:11806044
Ion Ratio Lower Upper
164 100
129 87.2 65.5 121.7
131 84.5 59.7 110.9
166 118.4 88.7 164.7



#48
2-Hexanone
Concen: 4.267 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
58 18.7 40.2 60.2#
57 18.7 14.3 21.5
100 0.0 8.0 12.0#

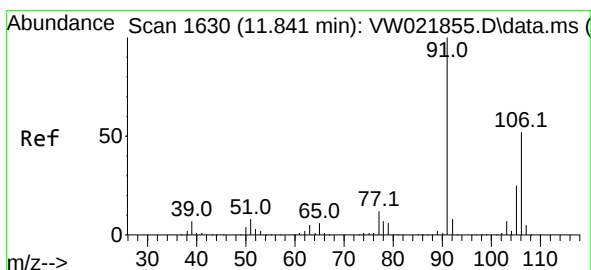
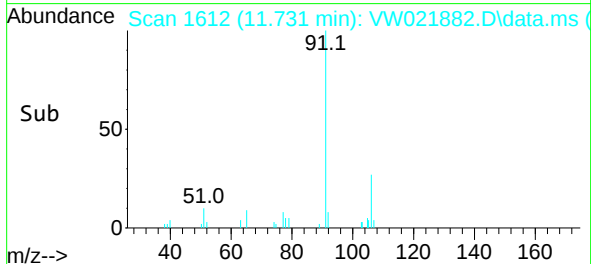
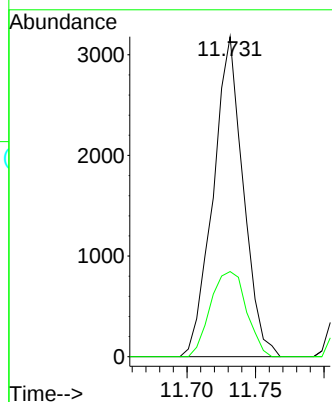
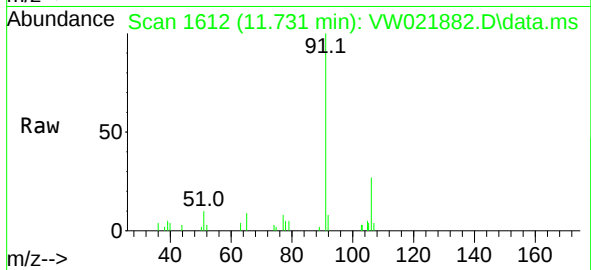




#52
Ethylbenzene
Concen: 0.594 ug/L
RT: 11.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

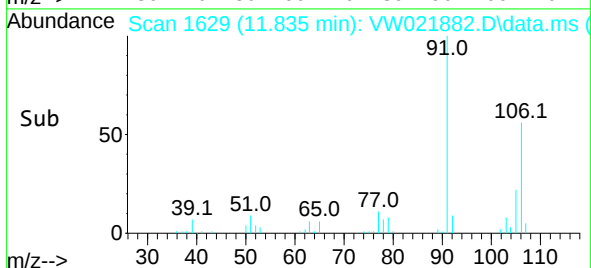
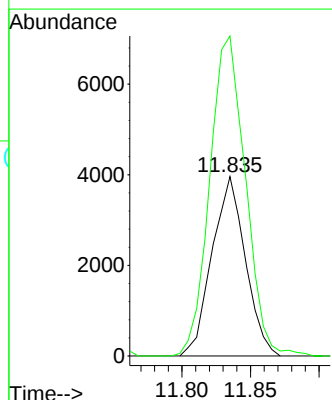
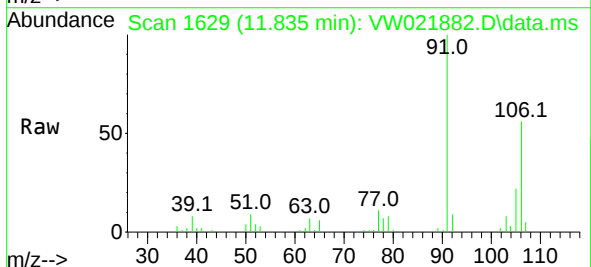
Instrument :
MSVOA_W
ClientSampleId :
BGLQ1

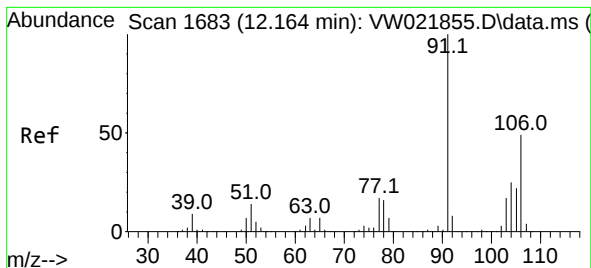
Tgt Ion: 91 Resp: 4860
Ion Ratio Lower Upper
91 100
106 26.6 21.5 39.9



#53
m,p-Xylene
Concen: 1.959 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021882.D
Acq: 13 Jan 2022 11:26

Tgt Ion:106 Resp: 6698
Ion Ratio Lower Upper
106 100
91 178.3 149.9 278.3





#54

o-Xylene

Concen: 1.233 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021882.D

Acq: 13 Jan 2022 11:26

Instrument :

MSVOA_W

ClientSampleId :

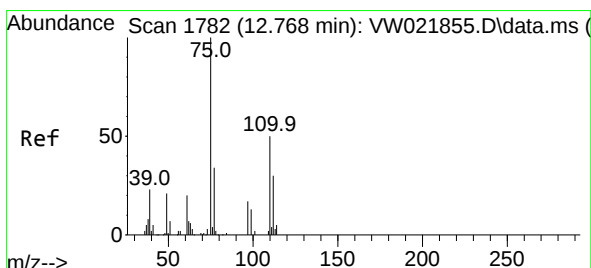
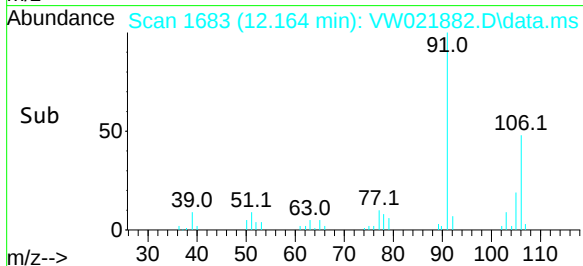
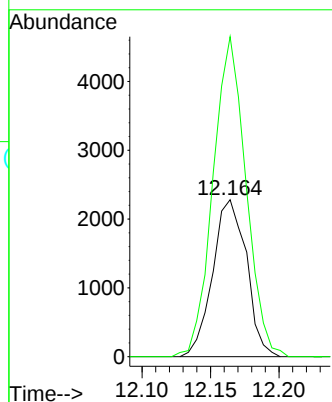
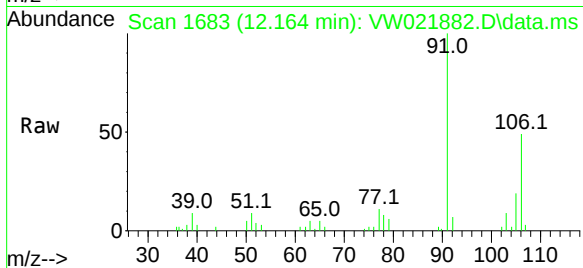
BGLQ1

Tgt Ion:106 Resp: 3914

Ion Ratio Lower Upper

106 100

91 203.9 153.6 285.3



#61

1,2,3-Trichloropropane

Concen: 1.056 ug/L

RT: 12.597 min Scan# 1754

Delta R.T. -0.171 min

Lab File: VW021882.D

Acq: 13 Jan 2022 11:26

Tgt Ion: 75 Resp: 455

Ion Ratio Lower Upper

75 100

77 142.9 25.8 38.8#

110 0.0 29.0 43.4#

