

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046353.D
 Acq On : 14 Dec 2021 14:13
 Operator : SY/MD
 Sample : M5062-03ME
 Misc : 6.77g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGL02ME

Quant Time: Dec 15 01:42:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

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

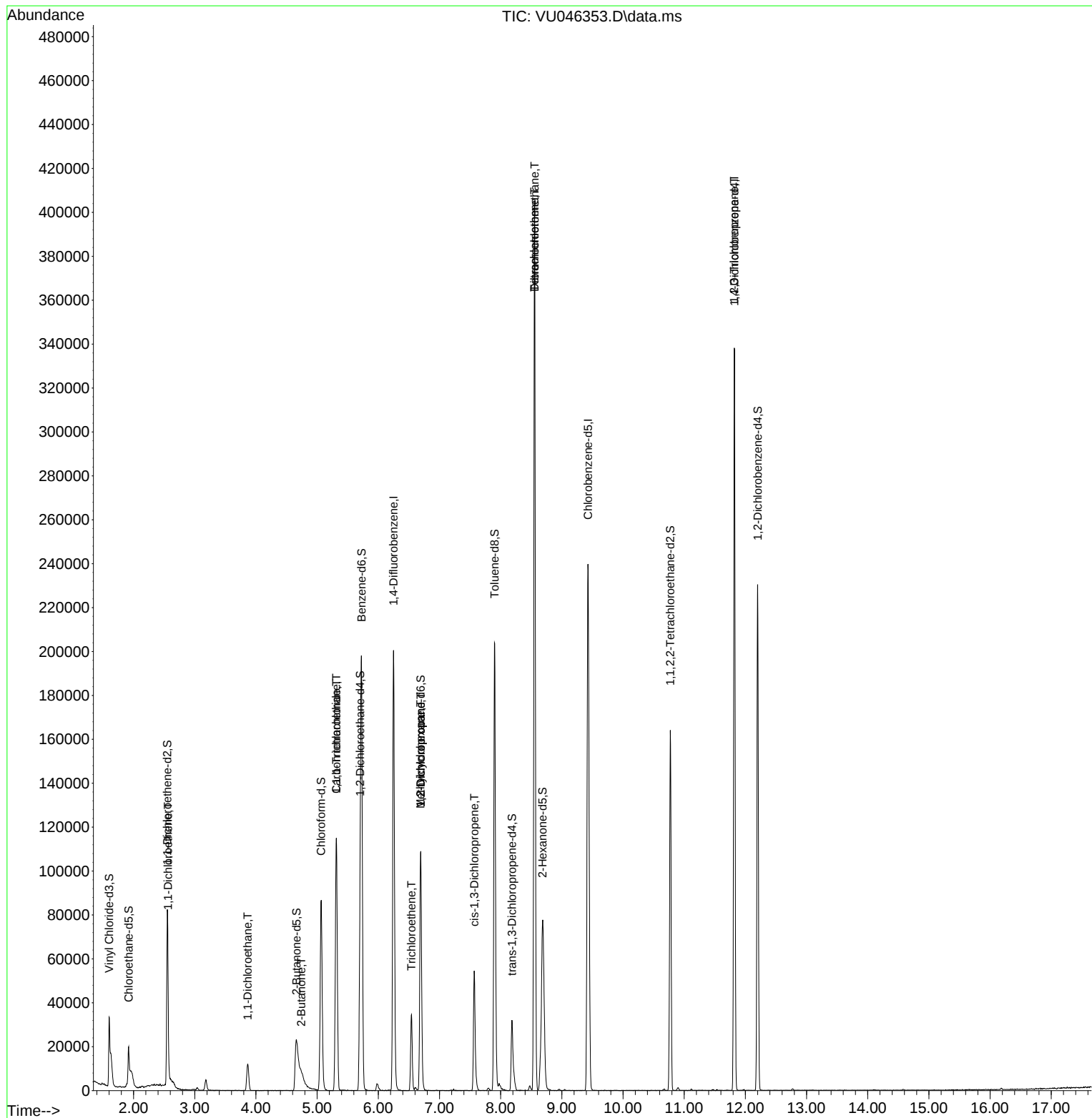
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	169897	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	180821	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	87824	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	29668	21.199	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	42.400%#		
7) Chloroethane-d5	1.919	69	20230	18.827	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	37.660%#		
11) 1,1-Dichloroethene-d2	2.552	63	53199	21.175	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	42.340%#		
21) 2-Butanone-d5	4.662	46	63728	57.281	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	57.280%		
24) Chloroform-d	5.067	84	86739	37.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	74.220%		
26) 1,2-Dichloroethane-d4	5.703	65	58822	37.503	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.000%		
32) Benzene-d6	5.726	84	171697	33.129	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	66.260%#		
36) 1,2-Dichloropropane-d6	6.694	67	54561	33.969	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	67.940%#		
41) Toluene-d8	7.899	98	148592	31.490	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	62.980%#		
43) trans-1,3-Dichloroprop...	8.186	79	25744	33.203	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.400%		
47) 2-Hexanone-d5	8.684	63	54031	70.948	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	70.950%		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	83251	34.177	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	68.360%		
66) 1,2-Dichlorobenzene-d4	12.201	152	58697	34.705	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	69.400%#		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.562	96	633	0.539	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	15059	6.662	ug/L	98
22) 2-Butanone	4.742	43	7905	5.223	ug/L #	69
30) 1,1,1-Trichloroethane	5.314	97	84702	38.161	ug/L	99
31) Carbon tetrachloride	5.314	117	10626	5.639	ug/L	100
34) Trichloroethene	6.539	95	11724	8.132	ug/L	97
35) Methylcyclohexane	6.690	83	13041	5.834	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6180	4.311	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1448	0.664	ug/L #	75
46) Tetrachloroethene	8.552	164	89086	84.082	ug/L	97
49) Dibromochloromethane	8.555	129	87080	57.654	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10795	5.607	ug/L #	66

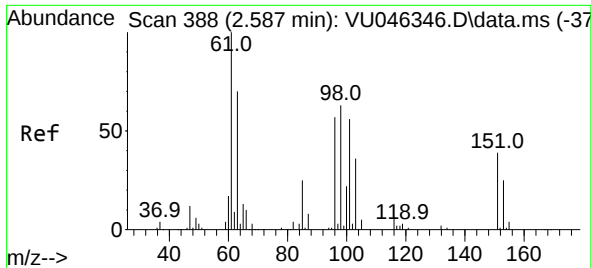
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.539 ug/L

RT: 2.562 min Scan# 31

Delta R.T. -0.026 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

Instrument :

MSVOA_U

ClientSampleId :

BGL02ME

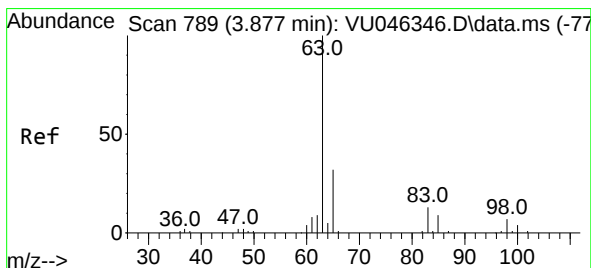
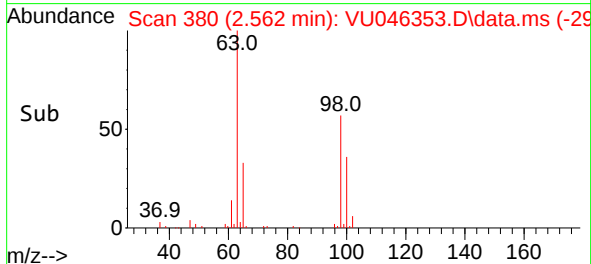
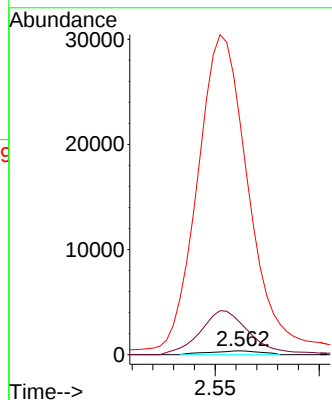
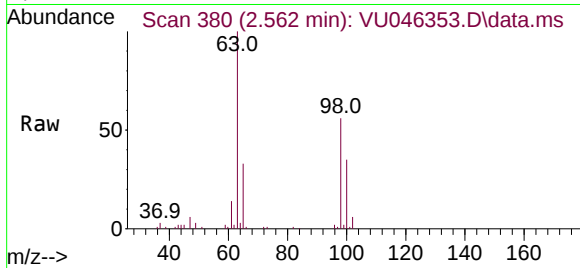
Tgt Ion: 96 Resp: 633

Ion Ratio Lower Upper

96 100

61 832.4 118.6 220.2#

63 6025.1 93.0 172.8#



#19

1,1-Dichloroethane

Concen: 6.662 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.013 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

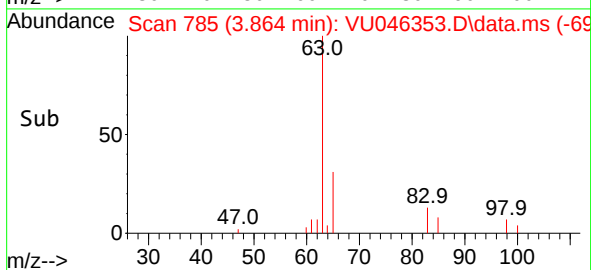
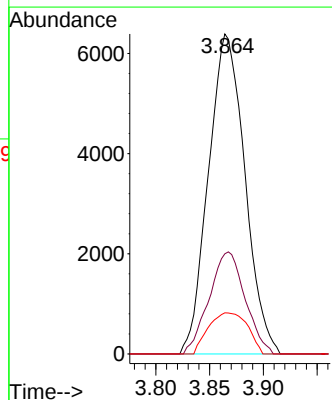
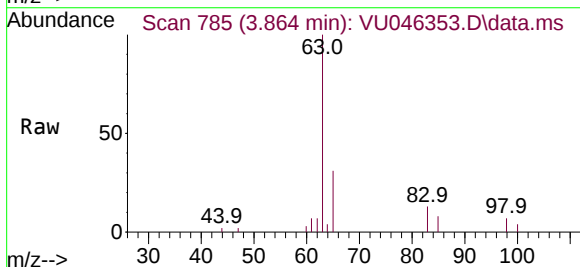
Tgt Ion: 63 Resp: 15059

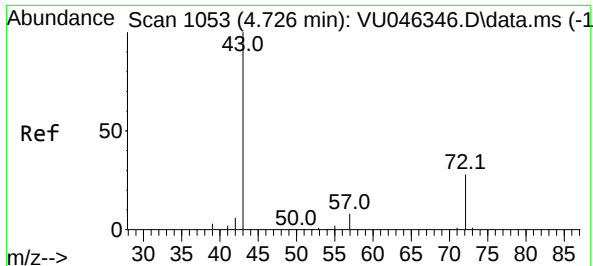
Ion Ratio Lower Upper

63 100

65 31.3 22.8 42.4

83 12.8 9.6 17.8





#22

2-Butanone

Concen: 5.223 ug/L

RT: 4.742 min Scan# 1058

Delta R.T. 0.016 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

Instrument :

MSVOA_U

ClientSampleId :

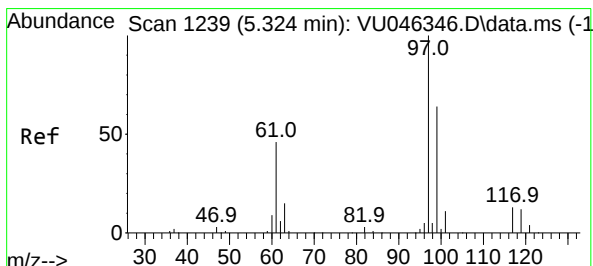
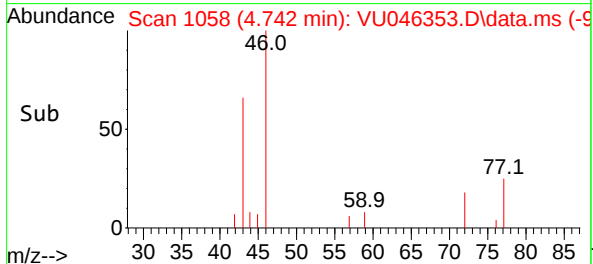
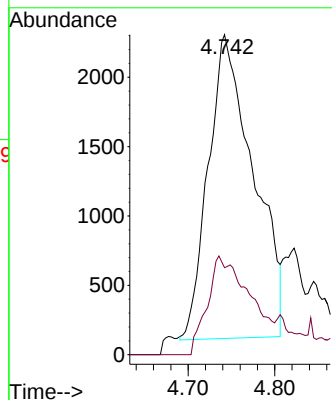
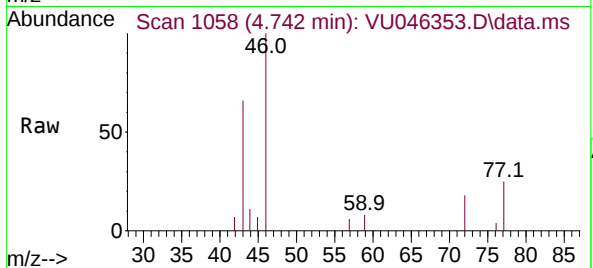
BGL02ME

Tgt Ion: 43 Resp: 7905

Ion Ratio Lower Upper

43 100

72 12.5 14.5 43.6#



#30

1,1,1-Trichloroethane

Concen: 38.161 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.009 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

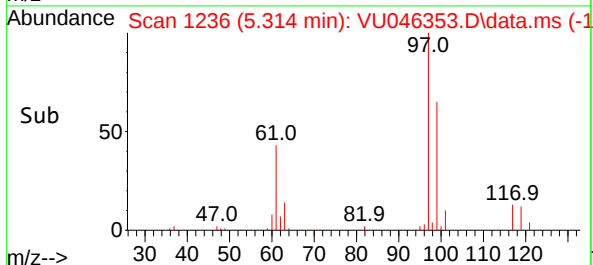
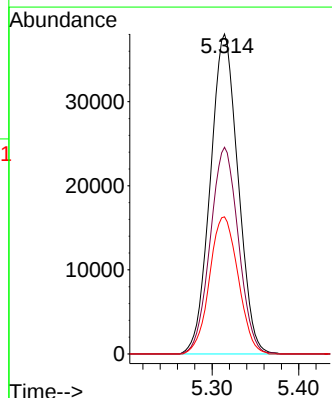
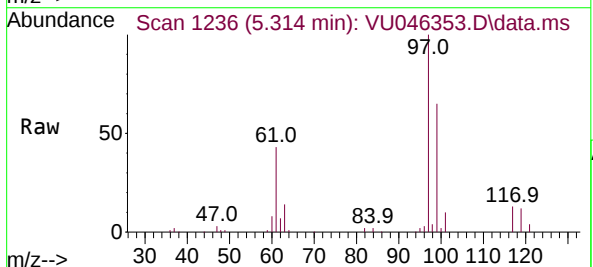
Tgt Ion: 97 Resp: 84702

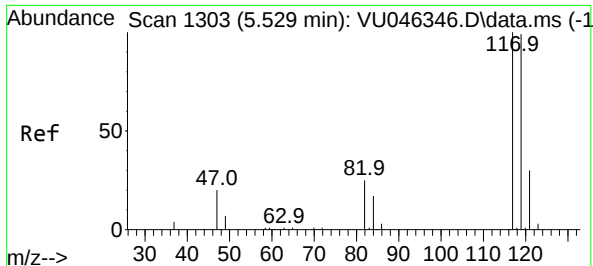
Ion Ratio Lower Upper

97 100

99 65.6 51.8 77.6

61 44.2 34.4 51.6

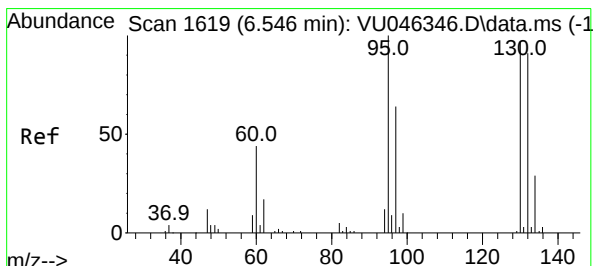
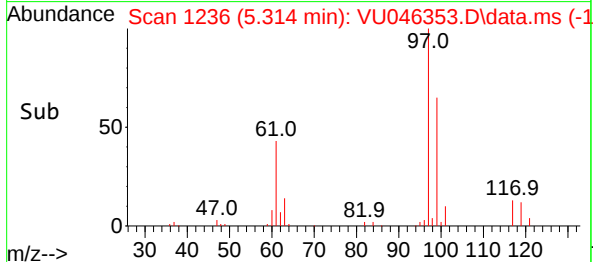
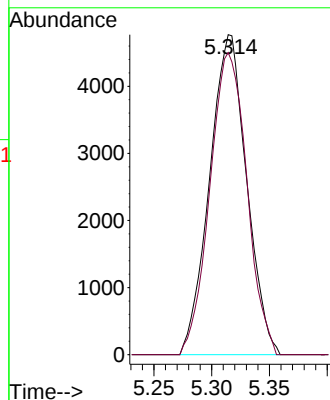
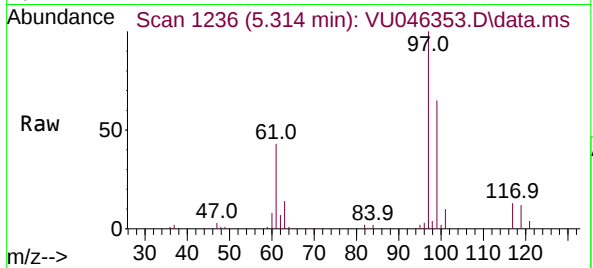




#31
Carbon tetrachloride
Concen: 5.639 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.215 min
Lab File: VU046353.D
Acq: 14 Dec 2021 14:13

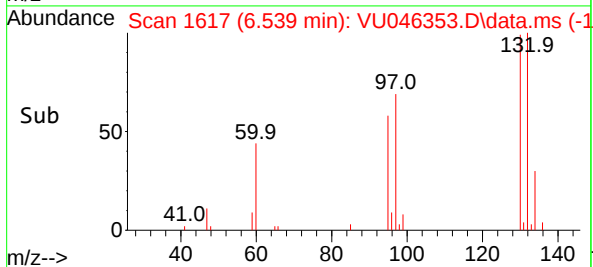
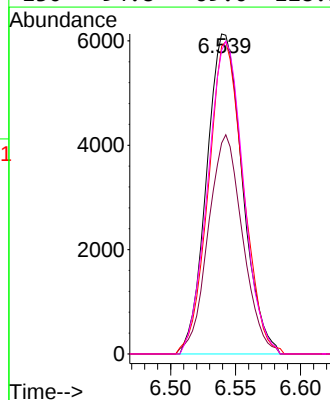
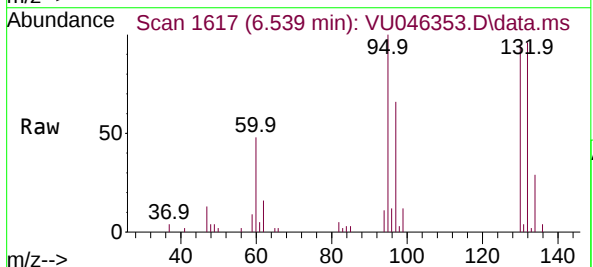
Instrument :
MSVOA_U
ClientSampleId :
BGL02ME

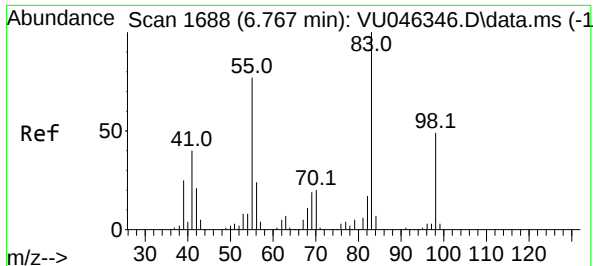
Tgt Ion:117 Resp: 10626
Ion Ratio Lower Upper
117 100
119 94.3 75.7 113.5



#34
Trichloroethene
Concen: 8.132 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VU046353.D
Acq: 14 Dec 2021 14:13

Tgt Ion: 95 Resp: 11724
Ion Ratio Lower Upper
95 100
97 65.9 44.1 81.9
132 96.2 66.8 124.0
130 94.8 69.0 128.1





#35

Methylcyclohexane

Concen: 5.834 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

Instrument :

MSVOA_U

ClientSampleId :

BGL02ME

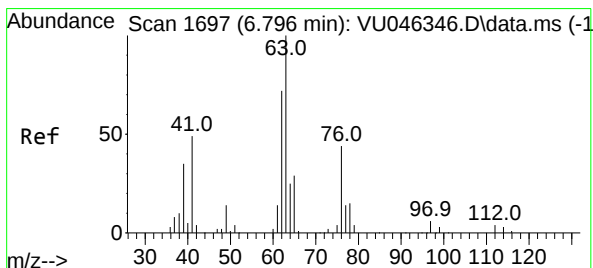
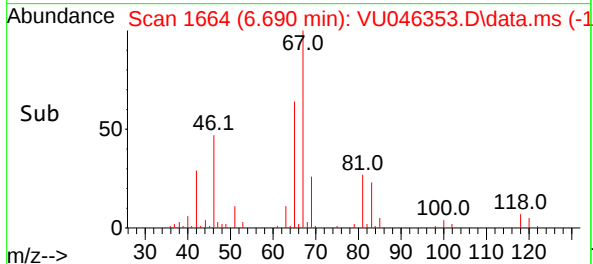
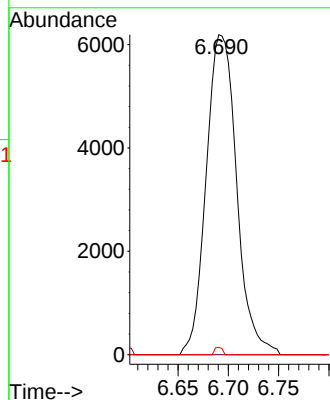
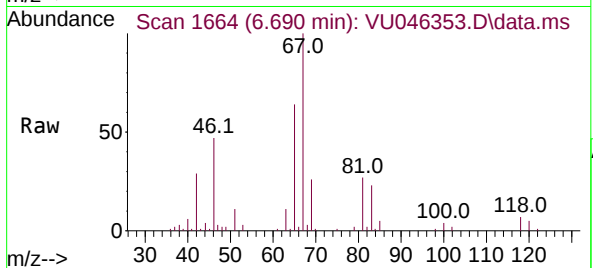
Tgt Ion: 83 Resp: 13041

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.6 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 4.311 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU046353.D

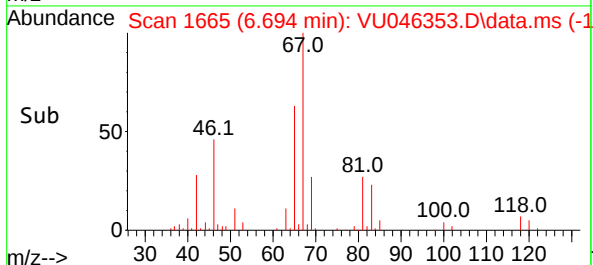
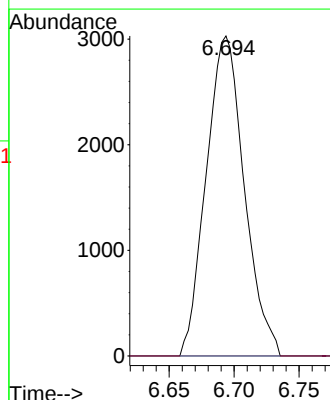
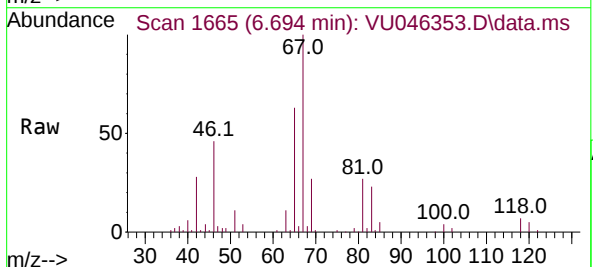
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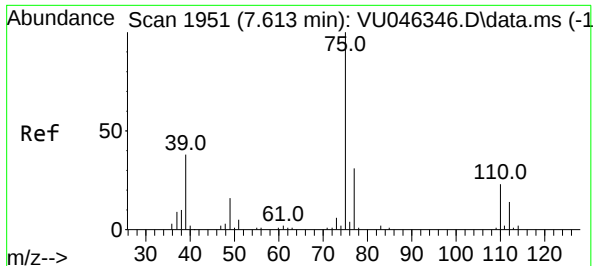
Tgt Ion: 63 Resp: 6180

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.664 ug/L

RT: 7.568 min Scan# 1951

Delta R.T. -0.045 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

Instrument :

MSVOA_U

ClientSampleId :

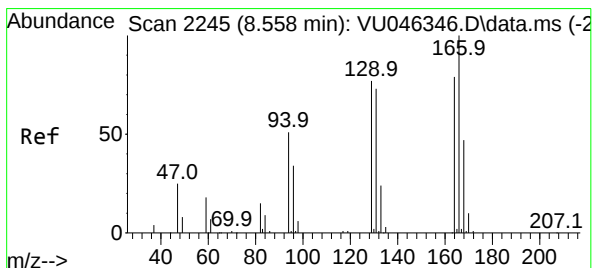
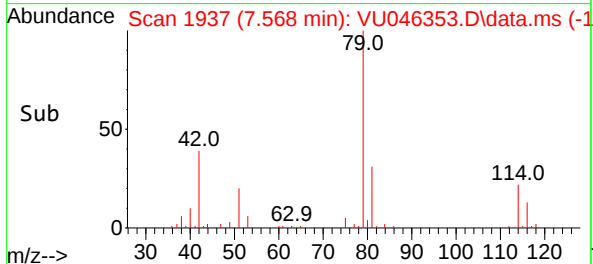
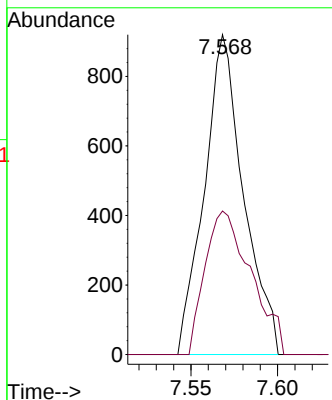
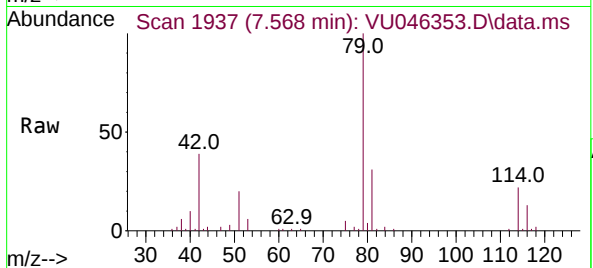
BGL02ME

Tgt Ion: 75 Resp: 1448

Ion Ratio Lower Upper

75 100

77 44.9 21.8 40.6#



#46

Tetrachloroethene

Concen: 84.082 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.006 min

Lab File: VU046353.D

Acq: 14 Dec 2021 14:13

Tgt Ion: 164 Resp: 89086

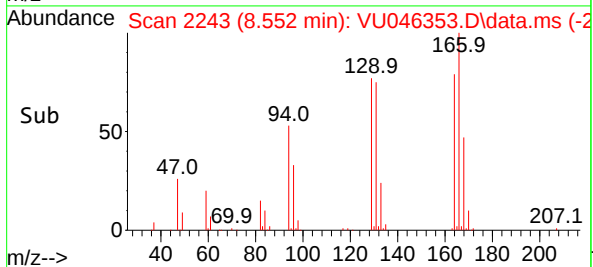
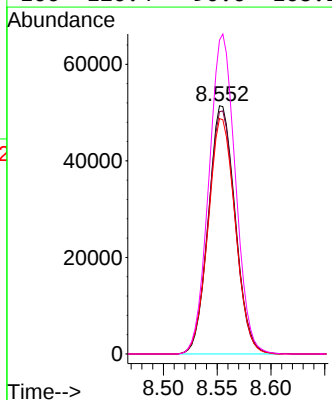
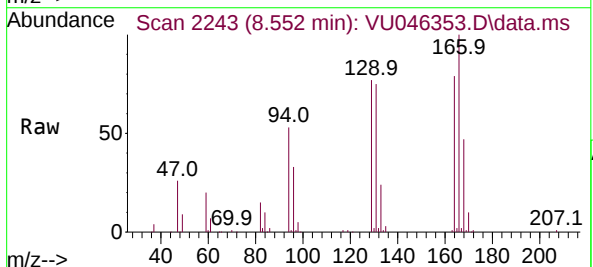
Ion Ratio Lower Upper

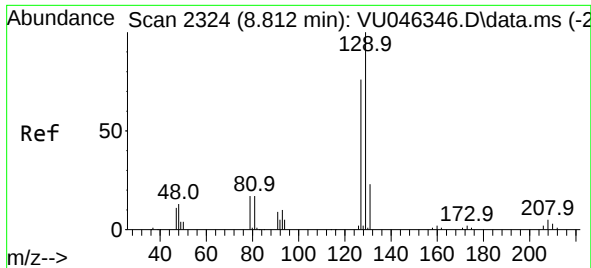
164 100

129 97.6 71.1 132.1

131 94.8 67.8 126.0

166 126.4 90.6 168.2

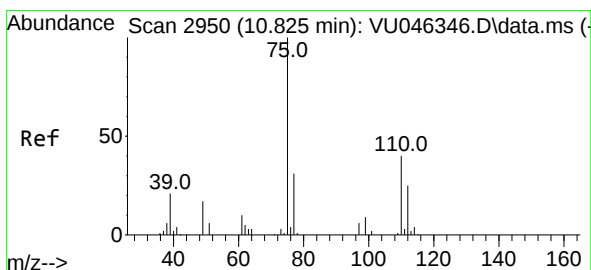
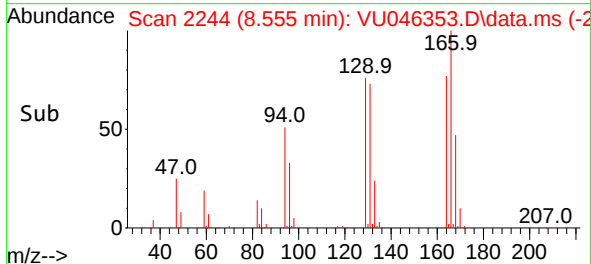
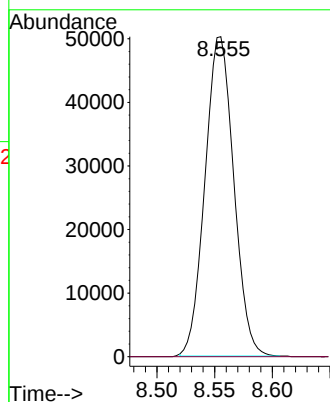
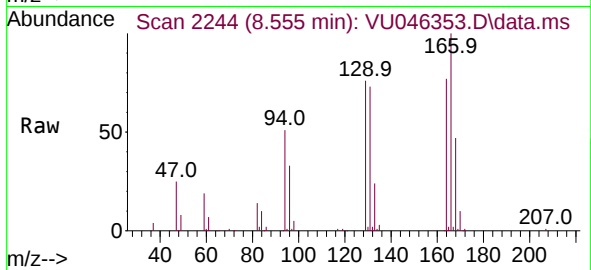




#49
Dibromochloromethane
Concen: 57.654 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046353.D
Acq: 14 Dec 2021 14:13

Instrument :
MSVOA_U
ClientSampleId :
BGL02ME

Tgt Ion:129 Resp: 87080
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.607 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.994 min
Lab File: VU046353.D
Acq: 14 Dec 2021 14:13

Tgt Ion: 75 Resp: 10795
Ion Ratio Lower Upper
75 100
77 32.9 26.4 39.6
110 2.7 32.4 48.6#

