

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046358.D
 Acq On : 14 Dec 2021 16:05
 Operator : SY/MD
 Sample : M5062-04ME
 Misc : 6.96g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGL03ME

Quant Time: Dec 15 01:43:45 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)

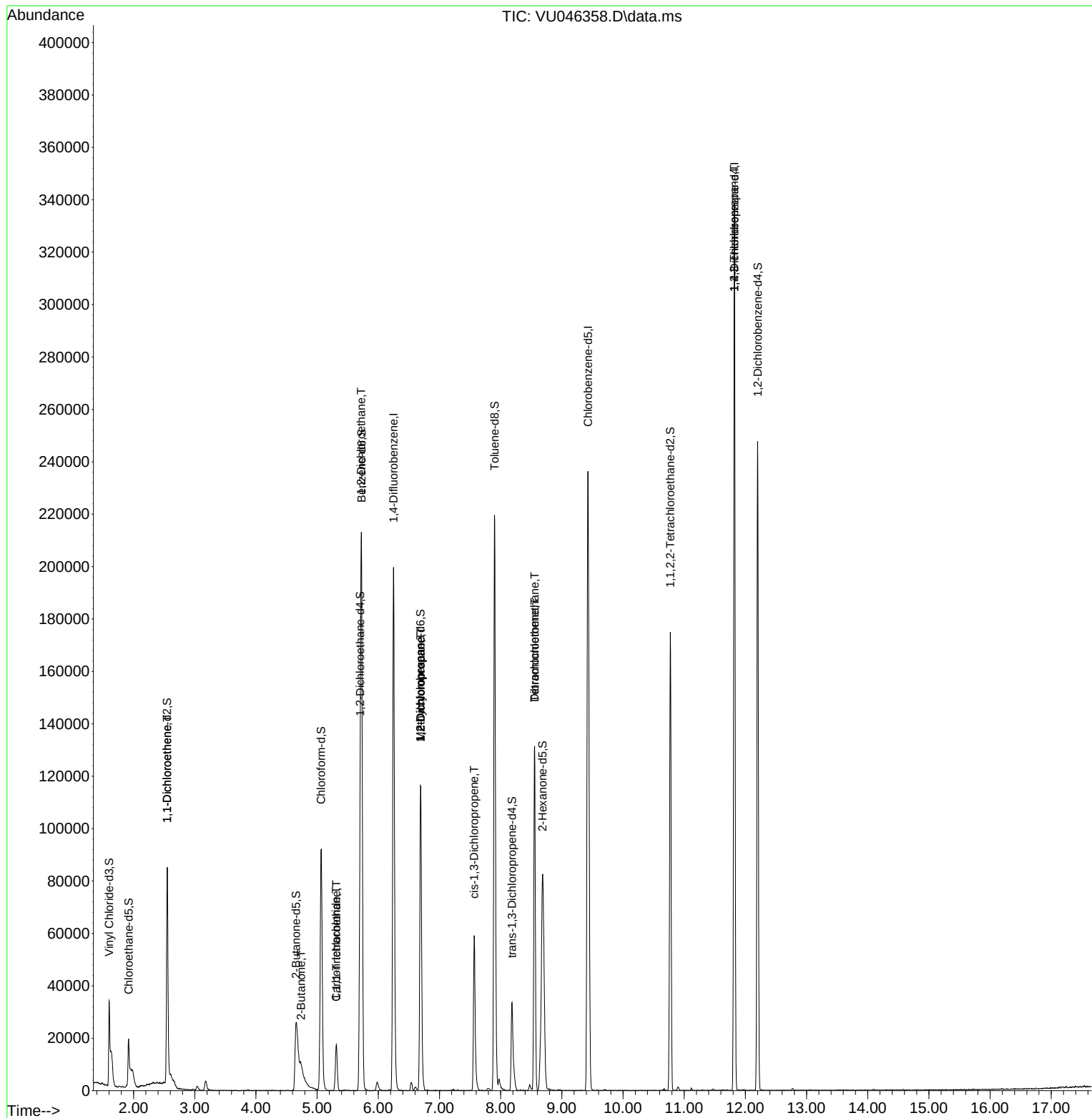
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	171337	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	179949	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	87894	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	30303	21.470	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	42.940%#		
7) Chloroethane-d5	1.919	69	17178	15.852	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	31.700%#		
11) 1,1-Dichloroethene-d2	2.549	63	51423	20.296	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	40.600%#		
21) 2-Butanone-d5	4.655	46	76840	68.486	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	68.490%		
24) Chloroform-d	5.066	84	93631	39.726	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.460%		
26) 1,2-Dichloroethane-d4	5.703	65	64207	40.592	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.180%		
32) Benzene-d6	5.726	84	184094	35.693	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	71.380%		
36) 1,2-Dichloropropane-d6	6.690	67	58488	36.590	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	73.180%		
41) Toluene-d8	7.899	98	159658	33.999	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	68.000%#		
43) trans-1,3-Dichloroprop...	8.185	79	27576	35.738	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.480%		
47) 2-Hexanone-d5	8.684	63	58409	77.069	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.070%		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	88979	36.706	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	73.420%		
66) 1,2-Dichlorobenzene-d4	12.201	152	63140	37.302	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.600%#		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.549	96	580	0.490	ug/L #	1
22) 2-Butanone	4.739	43	9145	5.991	ug/L	78
27) 1,2-Dichloroethane	5.719	62	999	0.532	ug/L #	73
30) 1,1,1-Trichloroethane	5.314	97	13231	5.990	ug/L	98
31) Carbon tetrachloride	5.311	117	1626	0.867	ug/L	99
35) Methylcyclohexane	6.690	83	14343	6.447	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6534	4.580	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1781	0.821	ug/L #	70
46) Tetrachloroethene	8.555	164	29622	28.094	ug/L	97
49) Dibromochloromethane	8.555	129	29581	19.680	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10755	5.582	ug/L #	66

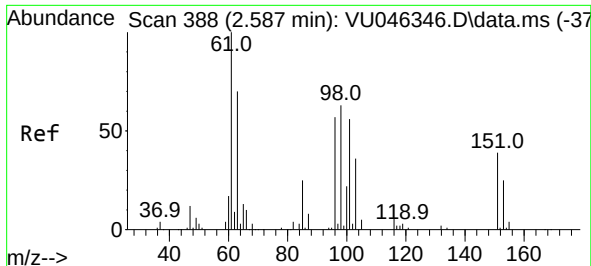
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.490 ug/L

RT: 2.549 min Scan# 31

Delta R.T. -0.039 min

Lab File: VU046358.D

Acq: 14 Dec 2021 16:05

Instrument :

MSVOA_U

ClientSampleId :

BGL03ME

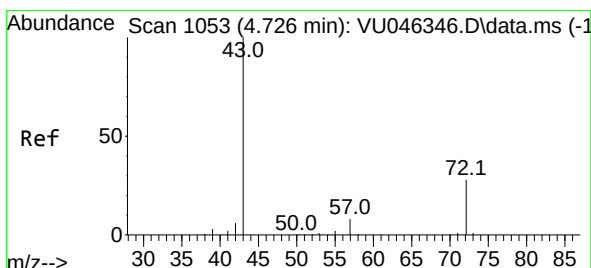
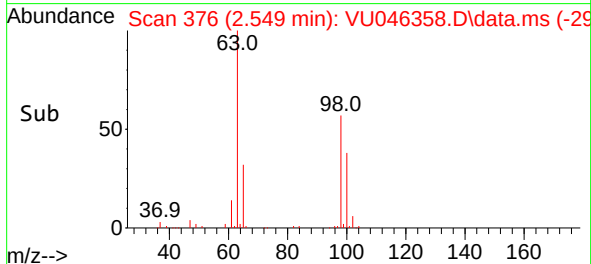
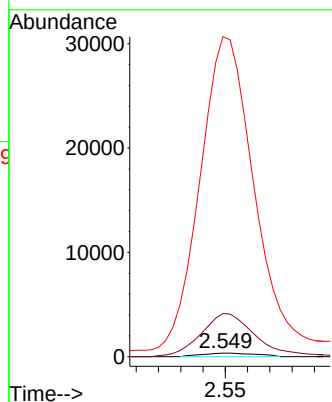
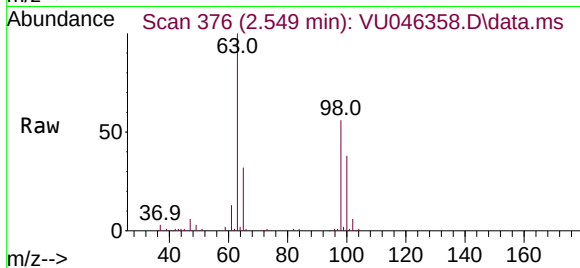
Tgt Ion: 96 Resp: 580

Ion Ratio Lower Upper

96 100

61 1239.5 118.6 220.2#

63 9185.6 93.0 172.8#



#22

2-Butanone

Concen: 5.991 ug/L

RT: 4.739 min Scan# 1057

Delta R.T. 0.013 min

Lab File: VU046358.D

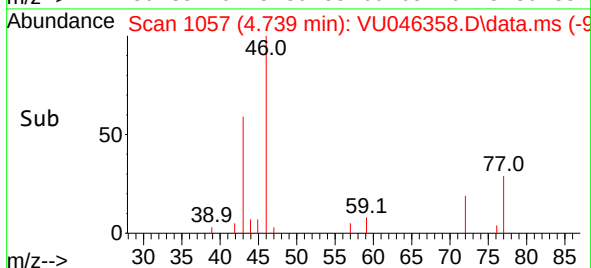
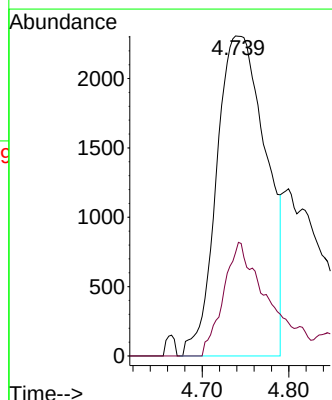
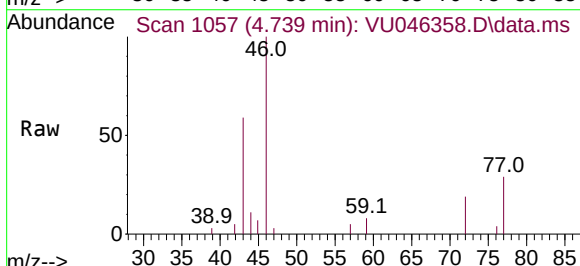
Acq: 14 Dec 2021 16:05

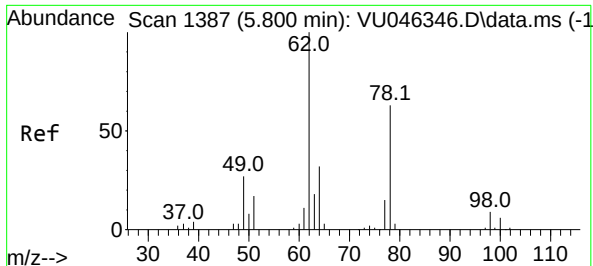
Tgt Ion: 43 Resp: 9145

Ion Ratio Lower Upper

43 100

72 17.4 14.5 43.6





#27

1,2-Dichloroethane

Concen: 0.532 ug/L

RT: 5.719 min Scan# 11

Delta R.T. -0.080 min

Lab File: VU046358.D

Acq: 14 Dec 2021 16:05

Instrument :

MSVOA_U

ClientSampleId :

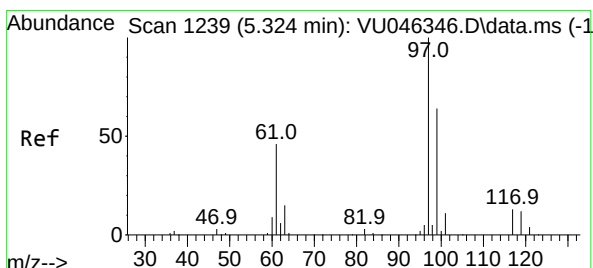
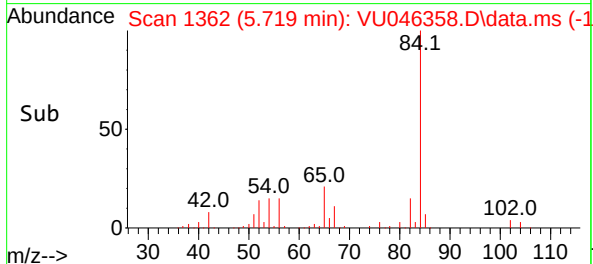
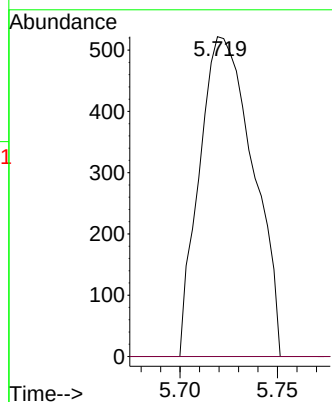
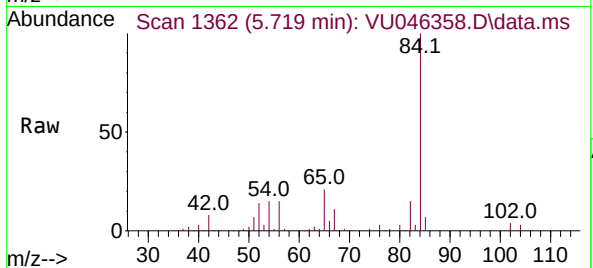
BGL03ME

Tgt Ion: 62 Resp: 999

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#30

1,1,1-Trichloroethane

Concen: 5.990 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.010 min

Lab File: VU046358.D

Acq: 14 Dec 2021 16:05

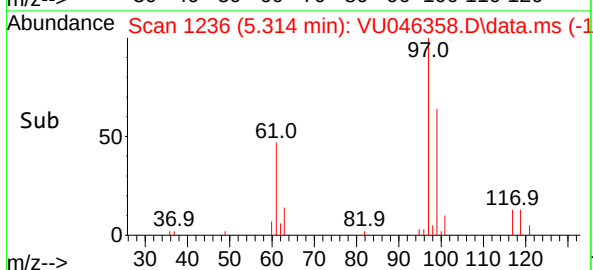
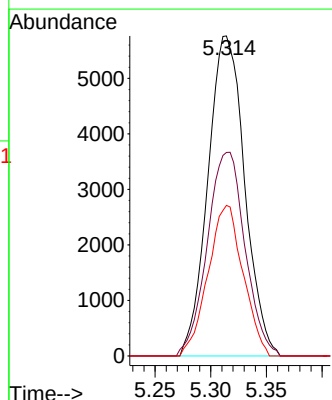
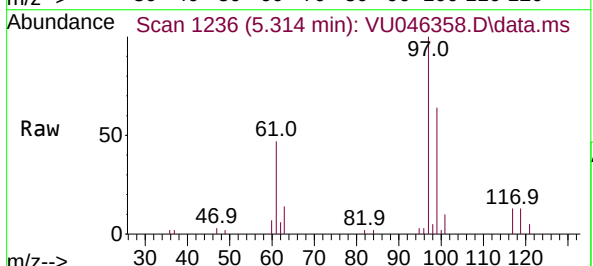
Tgt Ion: 97 Resp: 13231

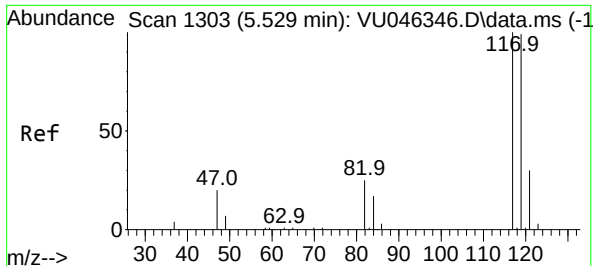
Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.6

61 44.9 34.4 51.6

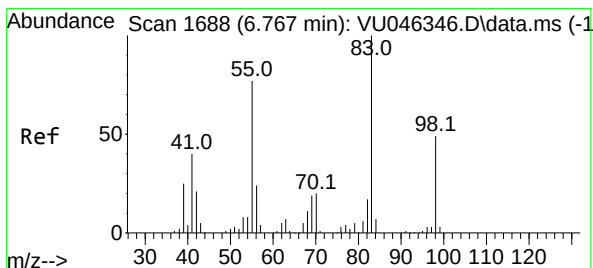
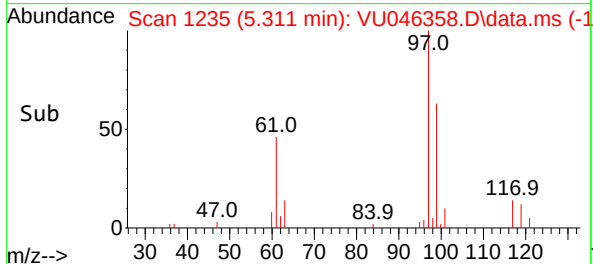
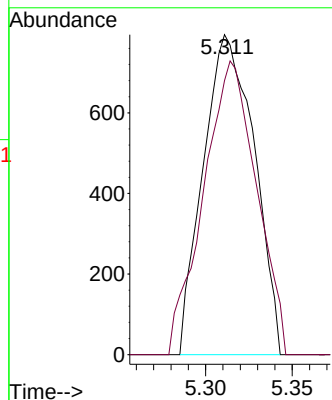
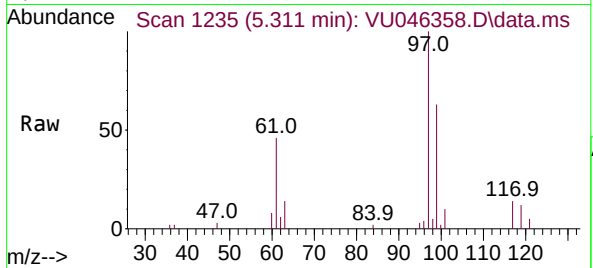




#31
Carbon tetrachloride
Concen: 0.867 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.219 min
Lab File: VU046358.D
Acq: 14 Dec 2021 16:05

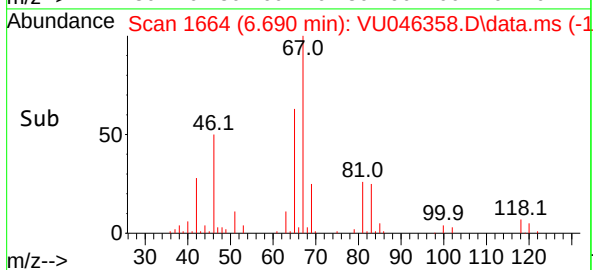
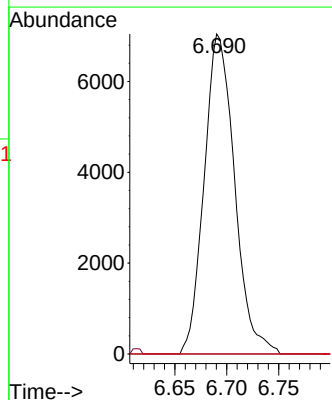
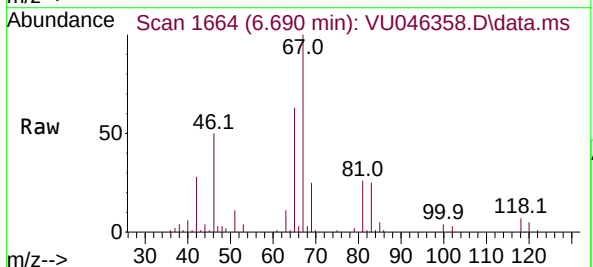
Instrument :
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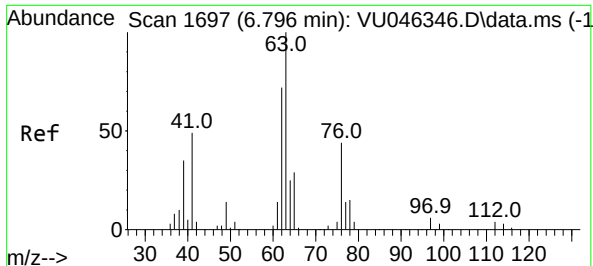
Tgt Ion:117 Resp: 1626
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5



#35
Methylcyclohexane
Concen: 6.447 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046358.D
Acq: 14 Dec 2021 16:05

Tgt Ion: 83 Resp: 14343
Ion Ratio Lower Upper
83 100
55 0.5 57.8 86.6#
98 0.5 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 4.580 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046358.D

Acq: 14 Dec 2021 16:05

Instrument :

MSVOA_U

ClientSampleId :

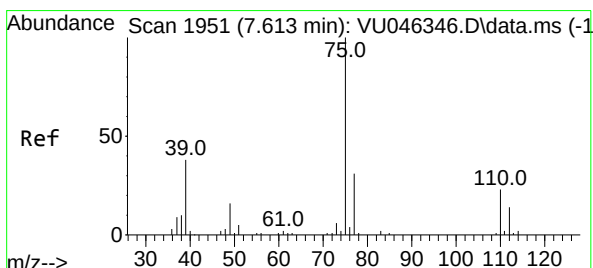
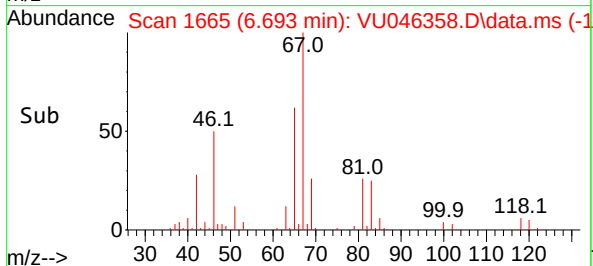
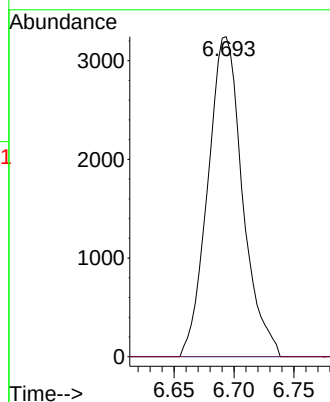
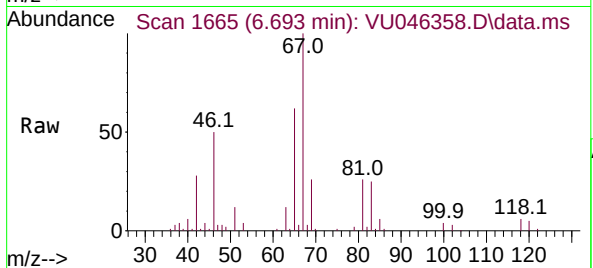
BGL03ME

Tgt Ion: 63 Resp: 6534

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.821 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.048 min

Lab File: VU046358.D

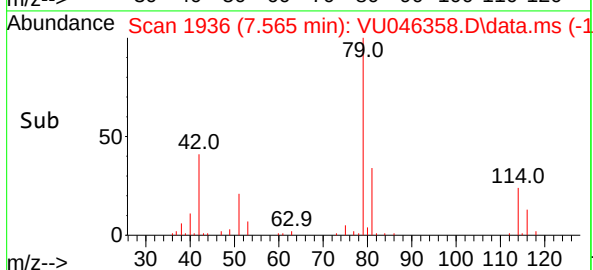
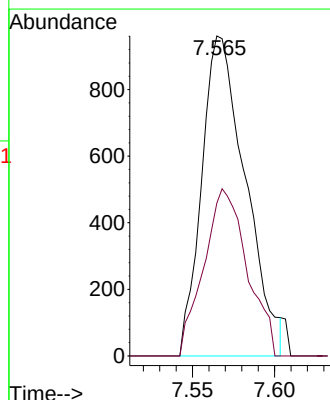
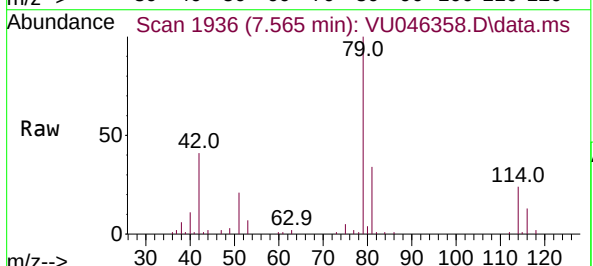
Acq: 14 Dec 2021 16:05

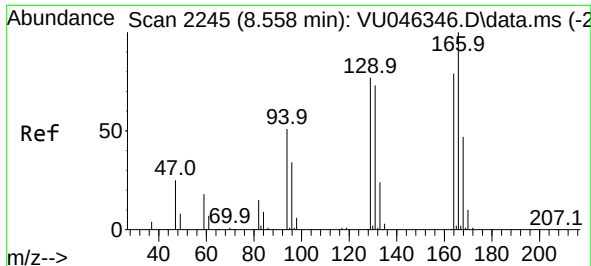
Tgt Ion: 75 Resp: 1781

Ion Ratio Lower Upper

75 100

77 47.8 21.8 40.6#

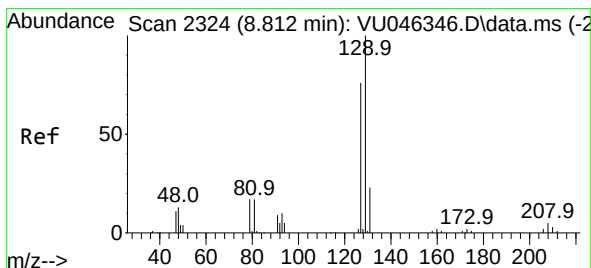
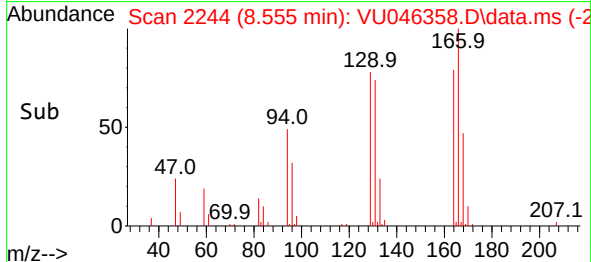
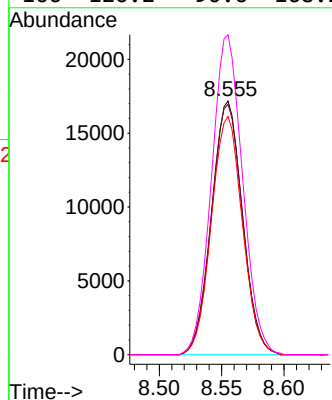
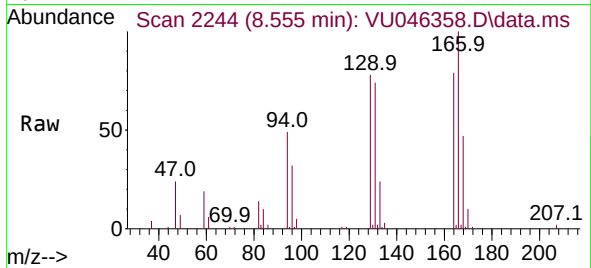




#46
Tetrachloroethene
Concen: 28.094 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046358.D
Acq: 14 Dec 2021 16:05

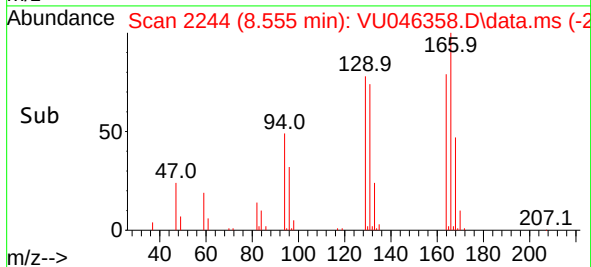
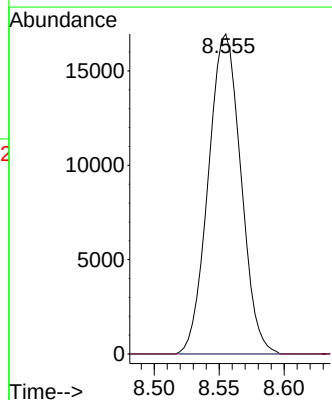
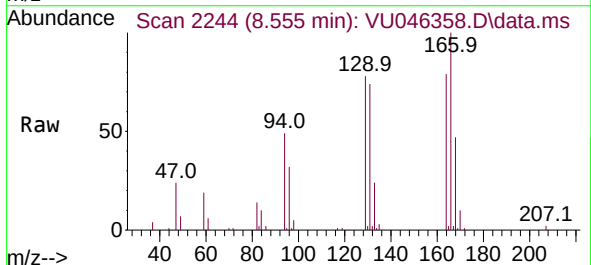
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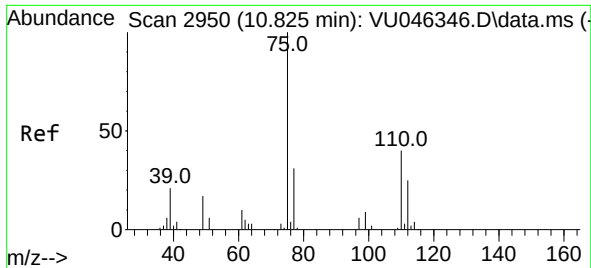
Tgt Ion:164	Resp:	29622
Ion Ratio	Lower	Upper
164	100	
129	98.7	71.1 132.1
131	93.9	67.8 126.0
166	126.2	90.6 168.2



#49
Dibromochloromethane
Concen: 19.680 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046358.D
Acq: 14 Dec 2021 16:05

Tgt Ion:129	Resp:	29581
Ion Ratio	Lower	Upper
129	100	
127	0.0	55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.582 ug/L
 RT: 11.819 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU046358.D
 Acq: 14 Dec 2021 16:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BGL03ME

Tgt Ion: 75 Resp: 10755
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.4 39.6
 110 2.6 32.4 48.6#

