

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046438.D
 Acq On : 16 Dec 2021 22:32
 Operator : SY/MD
 Sample : M5101-10ME
 Misc : 6.78g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 04:05:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

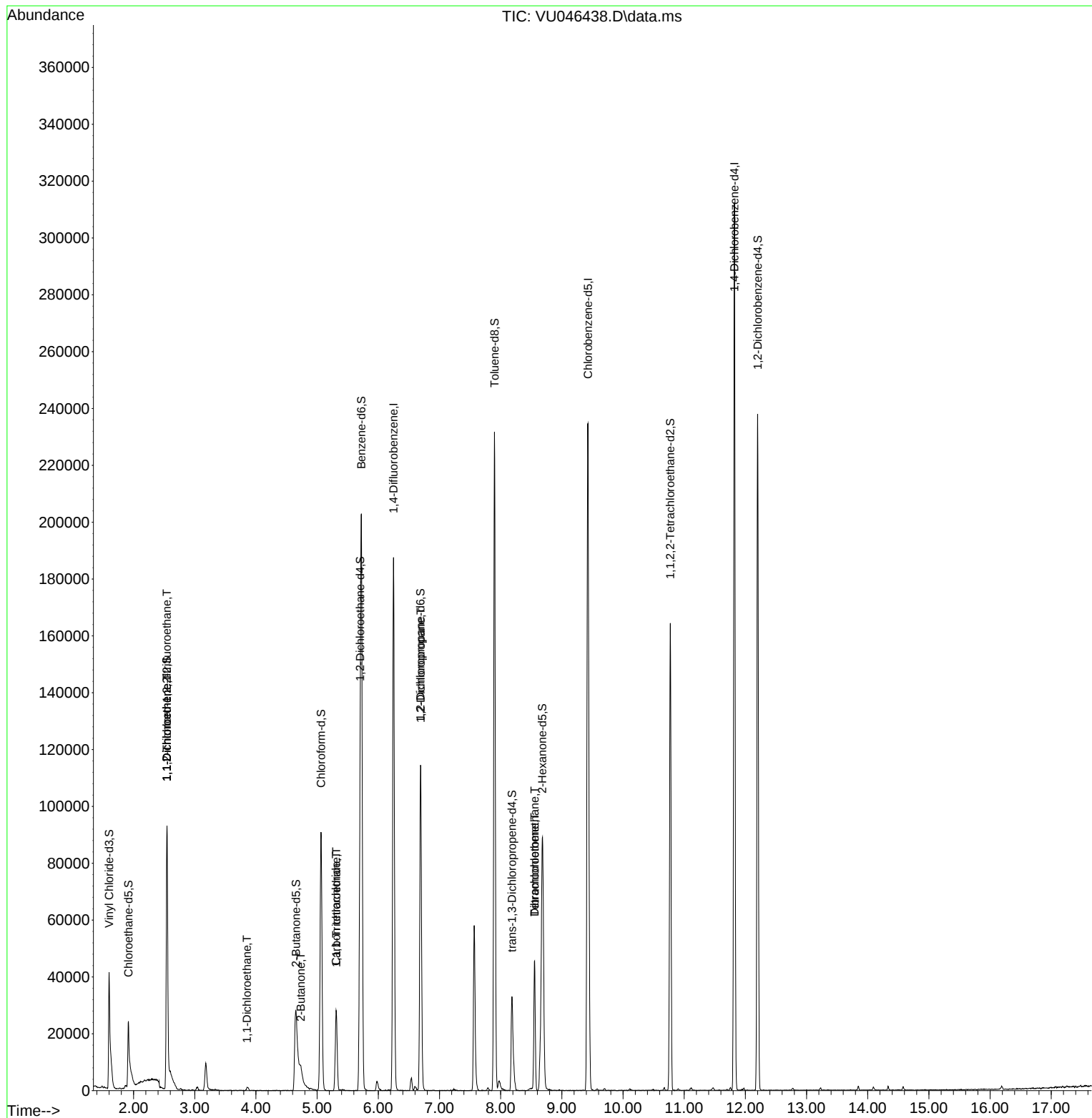
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	154031	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	162903	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	80494	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	49163	38.747	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.500%		
7) Chloroethane-d5	1.916	69	31432	32.265	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	64.520%#		
11) 1,1-Dichloroethene-d2	2.546	63	62195	27.305	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.620%#		
21) 2-Butanone-d5	4.655	46	71970	71.352	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	71.350%		
24) Chloroform-d	5.063	84	87423	41.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.520%		
26) 1,2-Dichloroethane-d4	5.703	65	60776	42.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.480%		
32) Benzene-d6	5.722	84	178258	38.178	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.360%		
36) 1,2-Dichloropropane-d6	6.690	67	54531	37.685	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	75.360%		
41) Toluene-d8	7.899	98	156827	36.890	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	73.780%#		
43) trans-1,3-Dichloroprop...	8.185	79	26748	38.292	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.580%		
47) 2-Hexanone-d5	8.681	63	53712	78.287	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.290%		
56) 1,1,2,2-Tetrachloroeth...	10.774	84	82139	37.430	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	74.860%		
66) 1,2-Dichlorobenzene-d4	12.201	152	60746	39.187	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.380%#		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	548	0.489	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	555	0.521	ug/L #	1
19) 1,1-Dichloroethane	3.854	63	1904	0.929	ug/L	99
22) 2-Butanone	4.735	43	9597	6.993	ug/L	74
30) 1,1,1-Trichloroethane	5.314	97	21010	10.507	ug/L	99
31) Carbon tetrachloride	5.311	117	2569	1.513	ug/L	95
37) 1,2-Dichloropropane	6.694	63	6196	4.797	ug/L #	86
46) Tetrachloroethene	8.555	164	9584	10.041	ug/L	98
49) Dibromochloromethane	8.555	129	9513	6.991	ug/L #	10

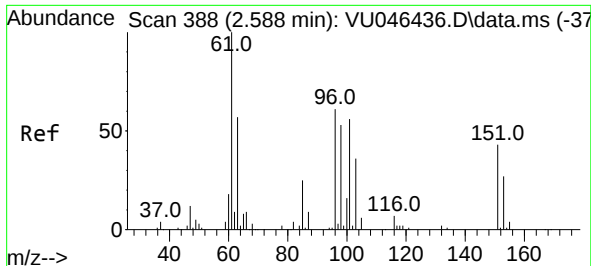
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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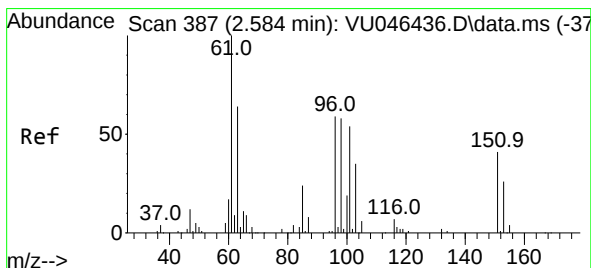
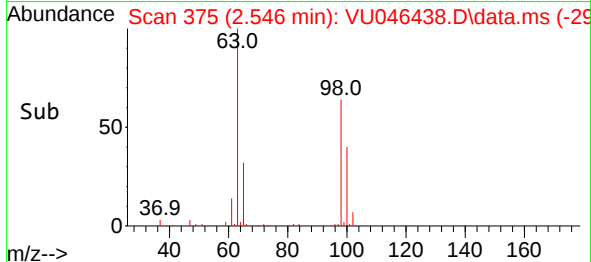
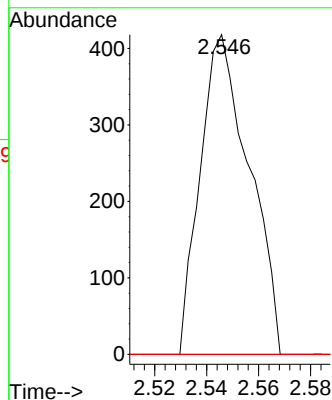
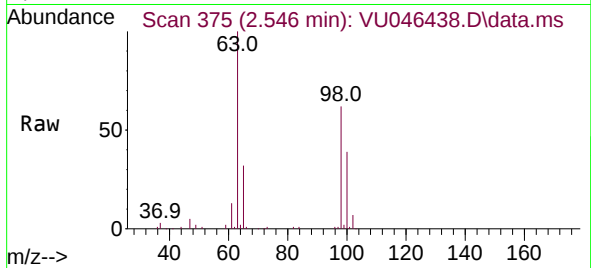




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.489 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.042 min
Lab File: VU046438.D
Acq: 16 Dec 2021 22:32

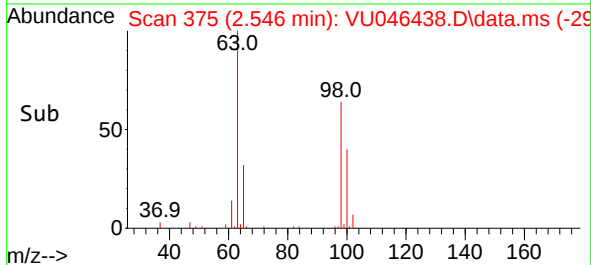
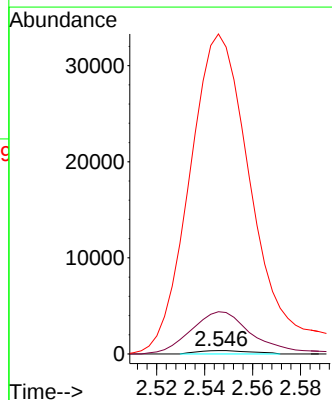
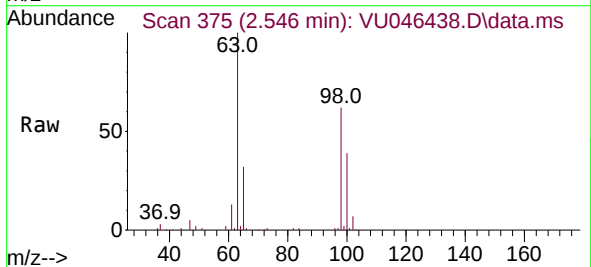
Instrument :
MSVOA_U
ClientSampleId :

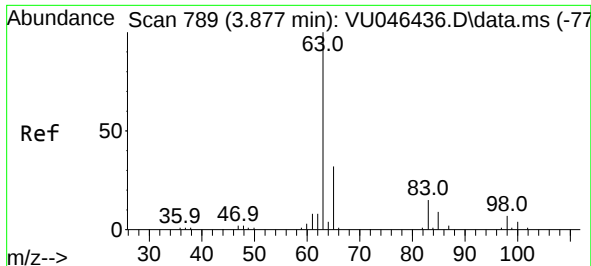
Tgt Ion:101 Resp: 548
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.521 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.039 min
Lab File: VU046438.D
Acq: 16 Dec 2021 22:32

Tgt Ion: 96 Resp: 555
Ion Ratio Lower Upper
96 100
61 1232.8 118.6 220.2#
63 9326.6 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 0.929 ug/L

RT: 3.854 min Scan# 71

Delta R.T. -0.022 min

Lab File: VU046438.D

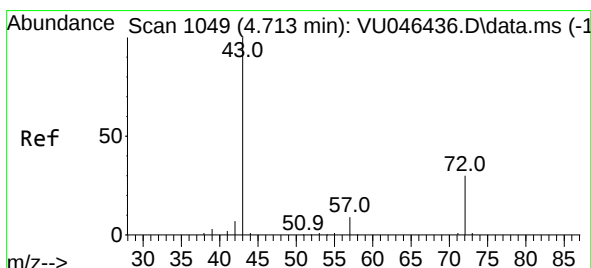
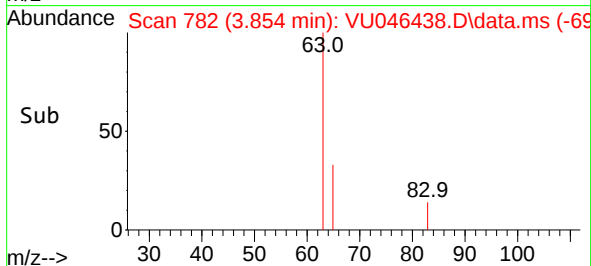
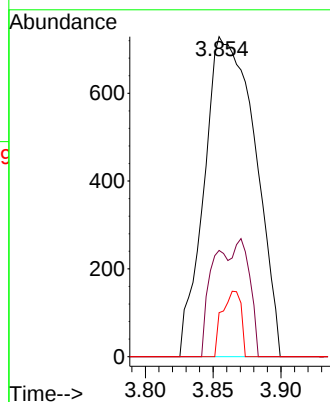
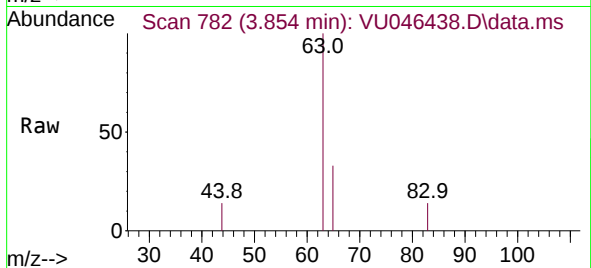
Acq: 16 Dec 2021 22:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 1904
Ion Ratio	Lower Upper
63 100	
65 33.2	22.8 42.4
83 13.7	9.6 17.8



#22

2-Butanone

Concen: 6.993 ug/L

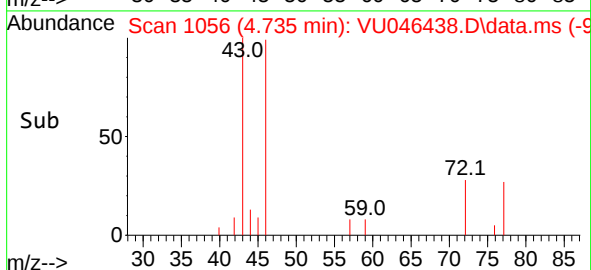
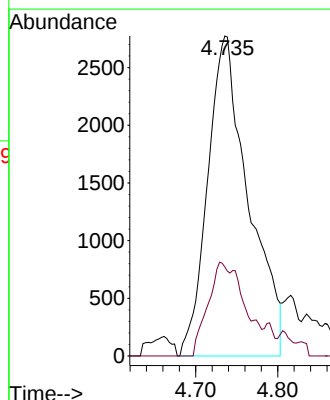
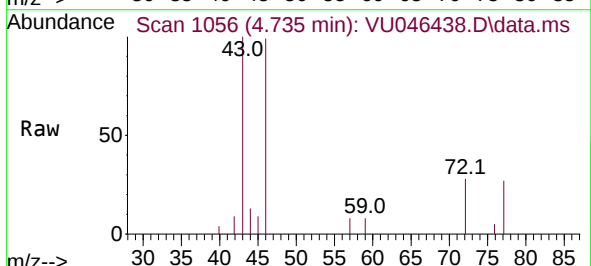
RT: 4.735 min Scan# 1056

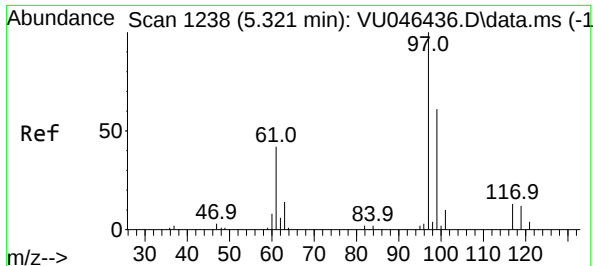
Delta R.T. 0.023 min

Lab File: VU046438.D

Acq: 16 Dec 2021 22:32

Tgt Ion: 43	Resp: 9597
Ion Ratio	Lower Upper
43 100	
72 15.3	14.5 43.6





#30

1,1,1-Trichloroethane

Concen: 10.507 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.006 min

Lab File: VU046438.D

Acq: 16 Dec 2021 22:32

Instrument :

MSVOA_U

ClientSampleId :

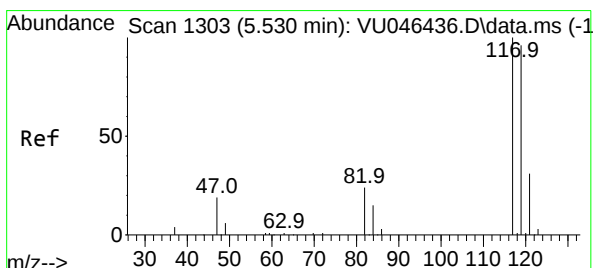
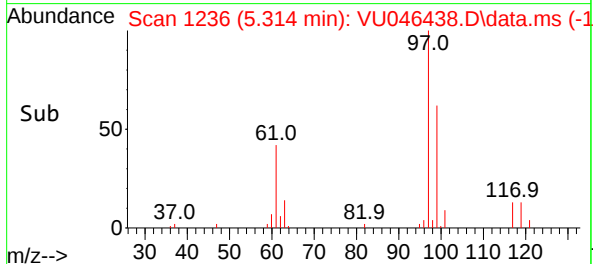
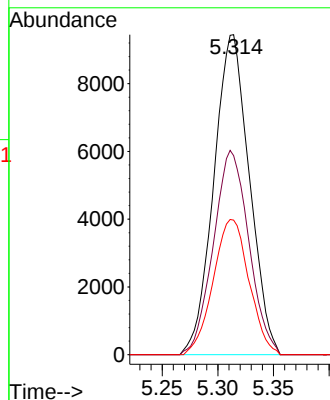
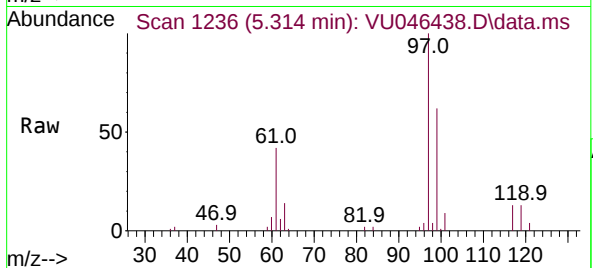
Tgt Ion: 97 Resp: 21010

Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 42.5 34.4 51.6



#31

Carbon tetrachloride

Concen: 1.513 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.219 min

Lab File: VU046438.D

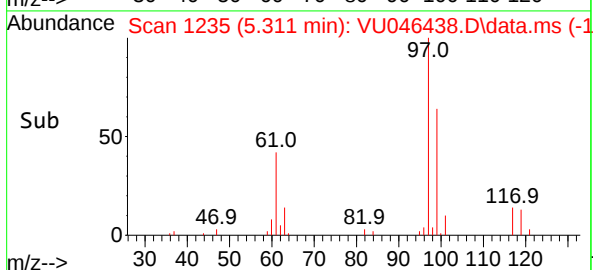
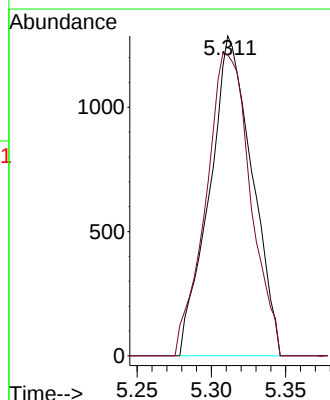
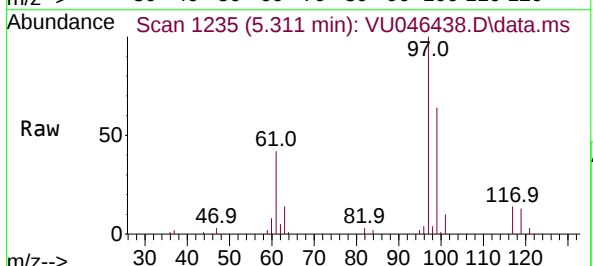
Acq: 16 Dec 2021 22:32

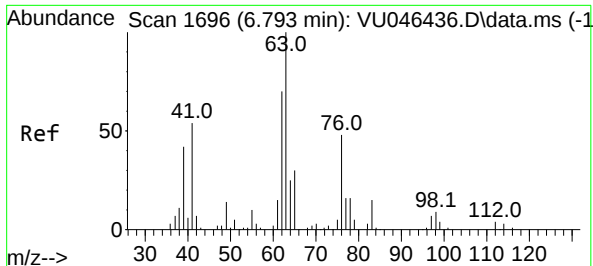
Tgt Ion: 117 Resp: 2569

Ion Ratio Lower Upper

117 100

119 99.0 75.7 113.5





#37

1,2-Dichloropropane

Concen: 4.797 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046438.D

Acq: 16 Dec 2021 22:32

Instrument :

MSVOA_U

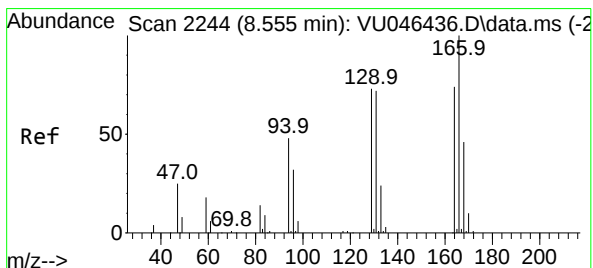
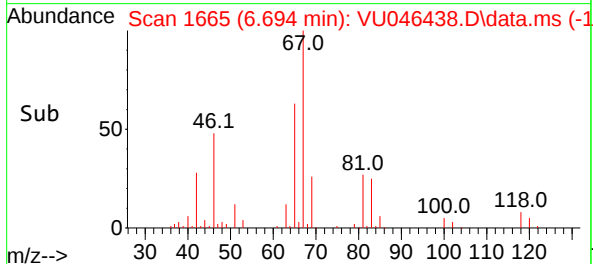
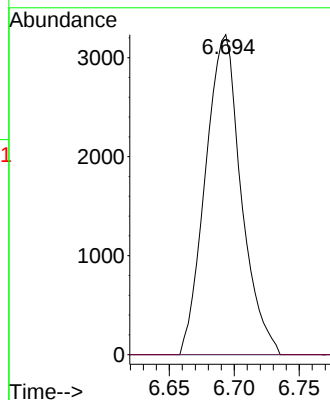
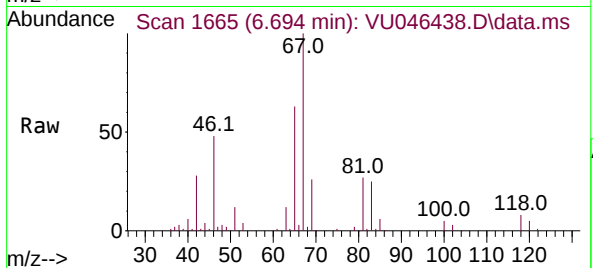
ClientSampleId :

Tgt Ion: 63 Resp: 6196

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#46

Tetrachloroethene

Concen: 10.041 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046438.D

Acq: 16 Dec 2021 22:32

Tgt Ion:164 Resp: 9584

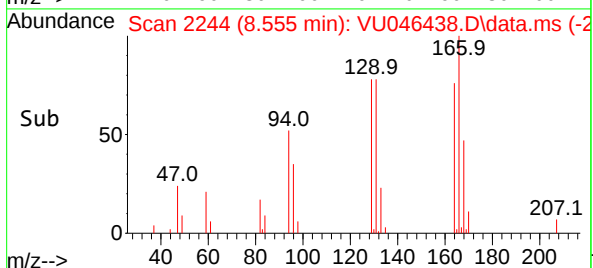
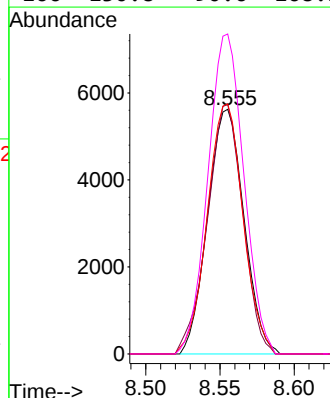
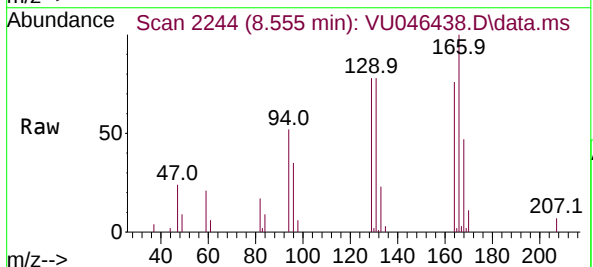
Ion Ratio Lower Upper

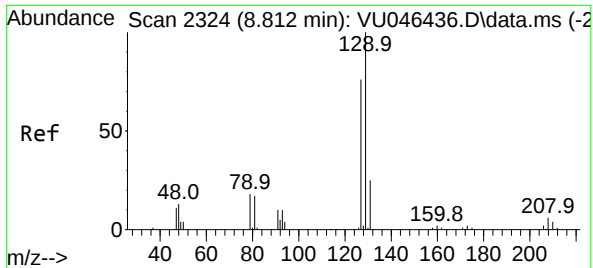
164 100

129 102.0 71.1 132.1

131 102.3 67.8 126.0

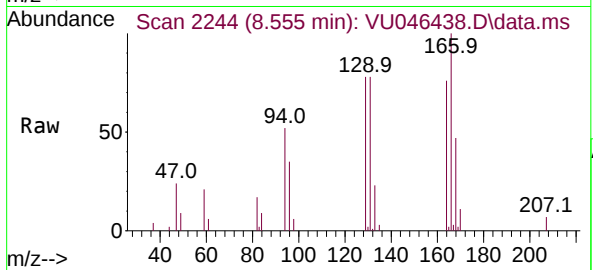
166 130.8 90.6 168.2





#49
 Dibromochloromethane
 Concen: 6.991 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU046438.D
 Acq: 16 Dec 2021 22:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:129 Resp: 9513
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.6 103.4#

