

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046396.D
 Acq On : 15 Dec 2021 14:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:10:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

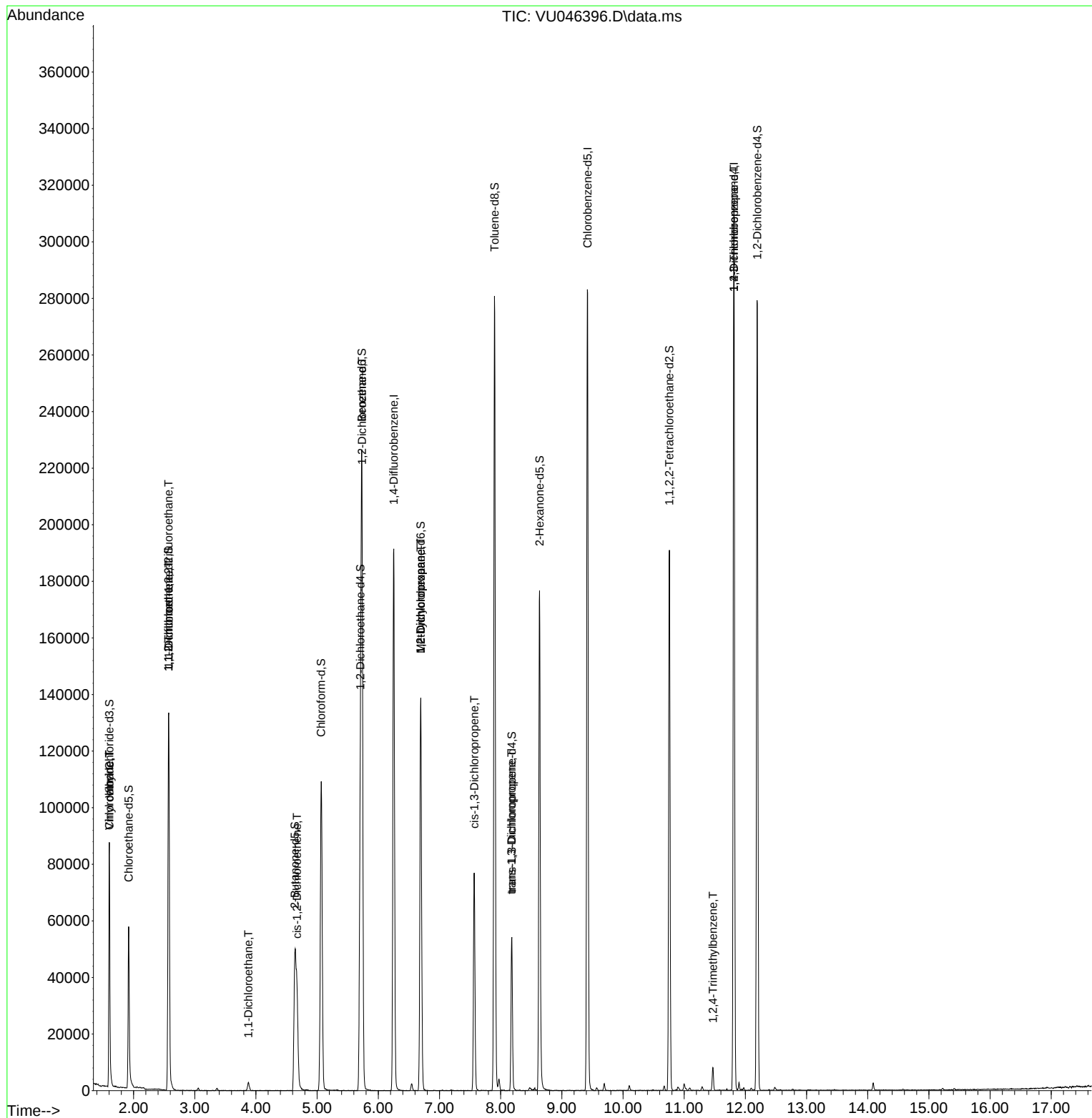
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	154969	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156312	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	80933	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	64498	50.525	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.060%			
7) Chloroethane-d5	1.919	69	46381	47.321	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.640%			
11) 1,1-Dichloroethene-d2	2.572	63	80985	35.339	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.680%			
21) 2-Butanone-d5	4.636	46	85737	84.487	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 84.490%			
24) Chloroform-d	5.067	84	104437	48.990	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.980%			
26) 1,2-Dichloroethane-d4	5.707	65	69183	48.357	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.720%			
32) Benzene-d6	5.732	84	209820	46.833	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.660%			
36) 1,2-Dichloropropane-d6	6.694	67	65261	47.002	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.000%			
41) Toluene-d8	7.899	98	183967	45.099	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.200%			
43) trans-1,3-Dichloroprop...	8.182	79	32056	47.826	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.660%			
47) 2-Hexanone-d5	8.636	63	64138	97.425	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.430%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	93013	44.172	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 88.340%			
66) 1,2-Dichlorobenzene-d4	12.195	152	71921	46.144	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.280%			
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	2670	1.756	ug/L #	59
8) Chloroethane	1.607	64	1566	1.779	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	626	0.555	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	610	0.569	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	3608	1.750	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	12479	10.142	ug/L	100
27) 1,2-Dichloroethane	5.735	62	1238	0.728	ug/L #	73
35) Methylcyclohexane	6.694	83	15819	8.186	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7348	5.929	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2071	1.098	ug/L #	65
44) trans-1,3-Dichloropropene	8.179	75	1367	0.738	ug/L	100
60) 1,2,3-Trichloropropane	11.812	75	9827	5.539	ug/L #	64
63) 1,2,4-Trimethylbenzene	11.472	105	4893	1.114	ug/L	94

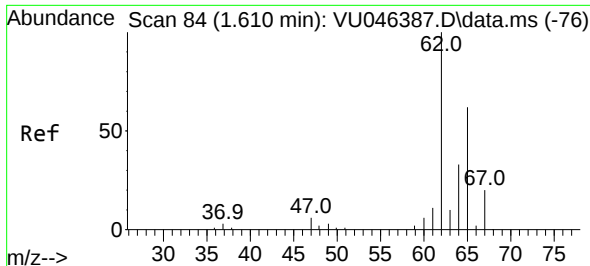
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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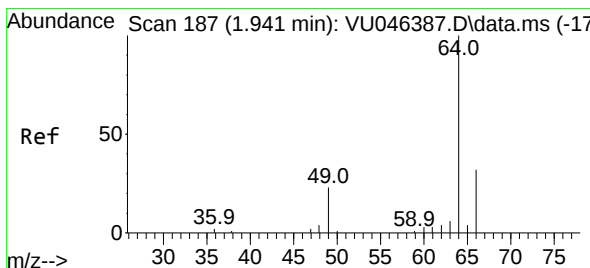
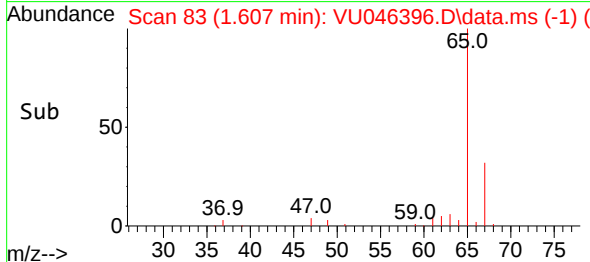
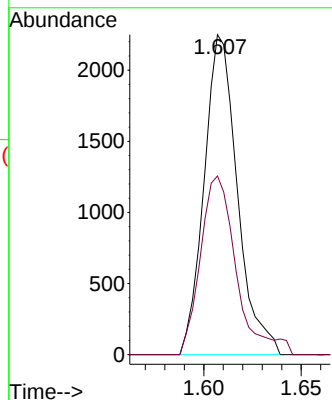
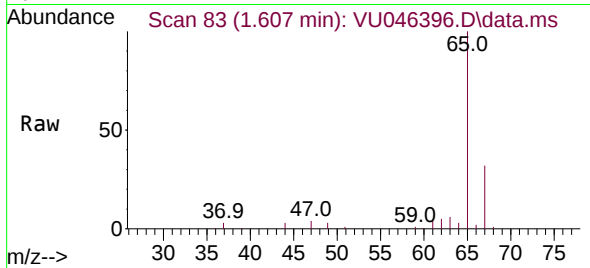




#5
 Vinyl chloride
 Concen: 1.756 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046396.D
 Acq: 15 Dec 2021 14:44

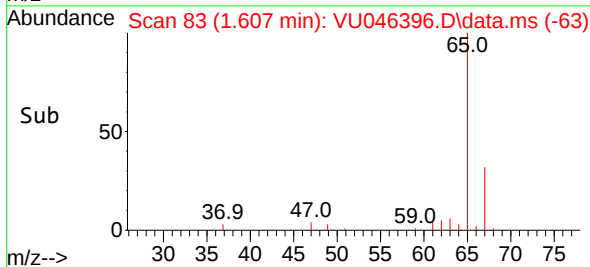
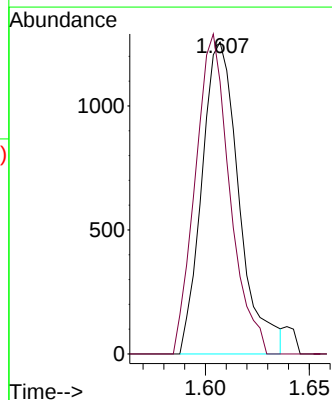
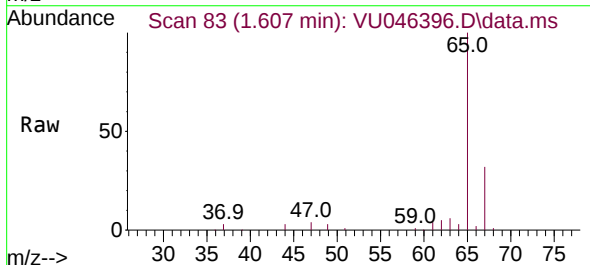
Instrument :
 MSVOA_U
 ClientSampleId :

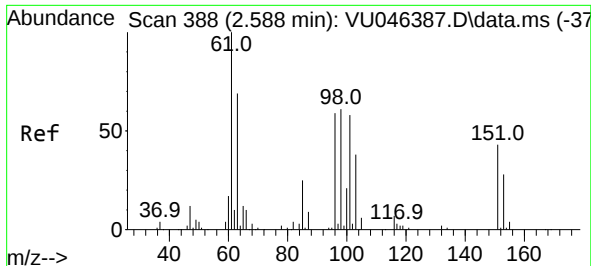
Tgt Ion: 62 Resp: 2670
 Ion Ratio Lower Upper
 62 100
 64 55.9 22.9 42.5#



#8
 Chloroethane
 Concen: 1.779 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.334 min
 Lab File: VU046396.D
 Acq: 15 Dec 2021 14:44

Tgt Ion: 64 Resp: 1566
 Ion Ratio Lower Upper
 64 100
 66 87.4 22.5 41.9#

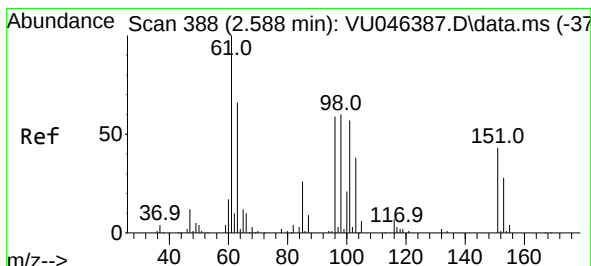
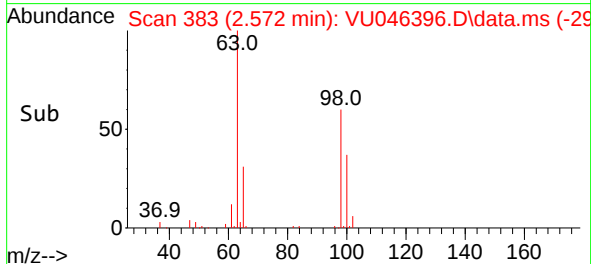
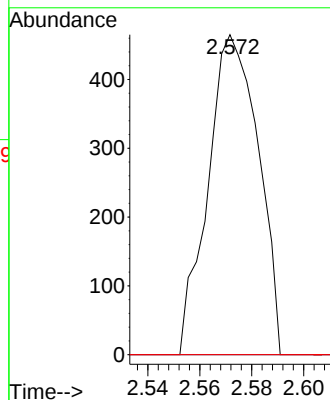
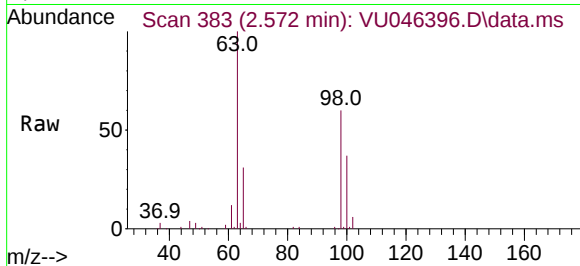




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.555 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046396.D
Acq: 15 Dec 2021 14:44

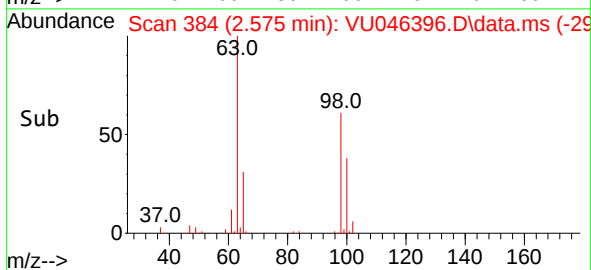
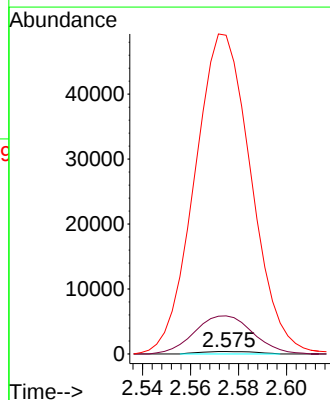
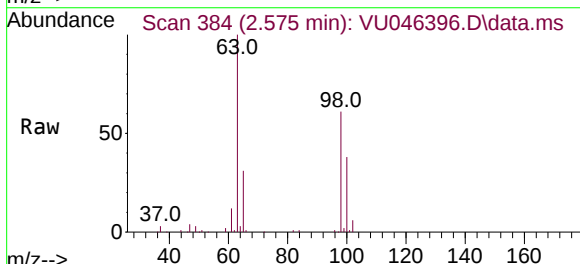
Instrument :
MSVOA_U
ClientSampleId :

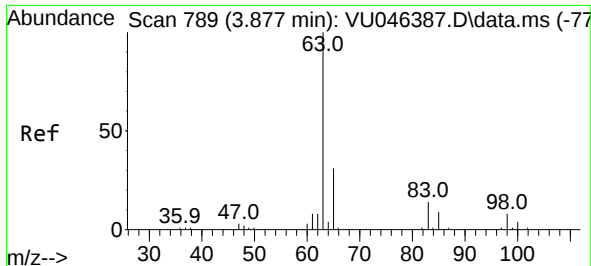
Tgt Ion:101 Resp: 626
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.569 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046396.D
Acq: 15 Dec 2021 14:44

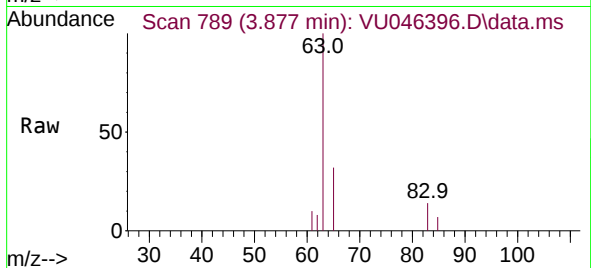
Tgt Ion: 96 Resp: 610
Ion Ratio Lower Upper
96 100
61 1607.1 118.6 220.2#
63 13444.4 93.0 172.8#



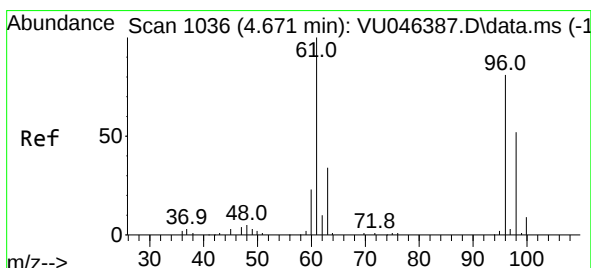
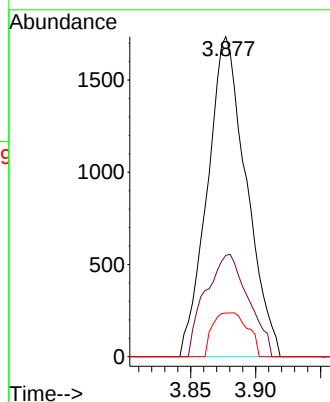
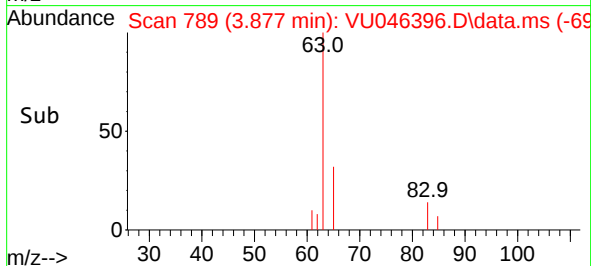


#19
1,1-Dichloroethane
Concen: 1.750 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046396.D
Acq: 15 Dec 2021 14:44

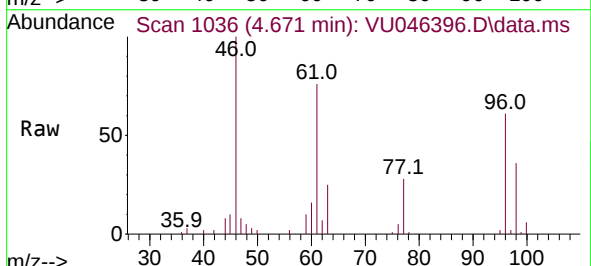
Instrument :
MSVOA_U
ClientSampleId :



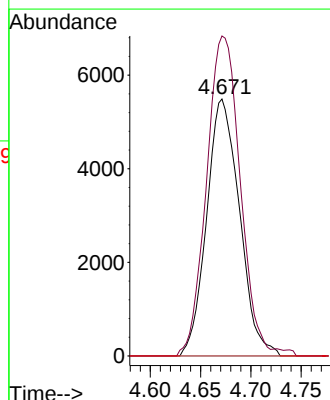
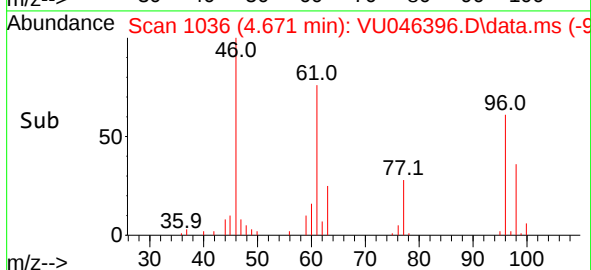
Tgt Ion: 63	Resp: 3608
Ion Ratio	Lower Upper
63 100	
65 31.6	22.8 42.4
83 13.7	9.6 17.8

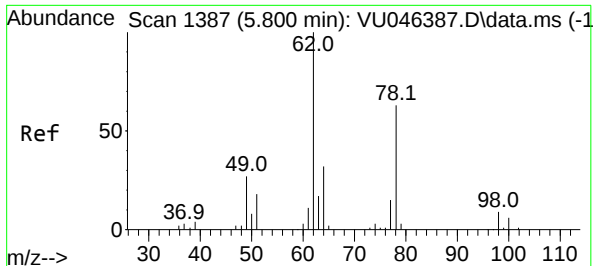


#20
cis-1,2-Dichloroethene
Concen: 10.142 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046396.D
Acq: 15 Dec 2021 14:44



Tgt Ion: 96	Resp: 12479
Ion Ratio	Lower Upper
96 100	
61 124.6	86.8 161.2
68 0.0	0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.728 ug/L

RT: 5.735 min Scan# 1

Delta R.T. -0.064 min

Lab File: VU046396.D

Acq: 15 Dec 2021 14:44

Instrument :

MSVOA_U

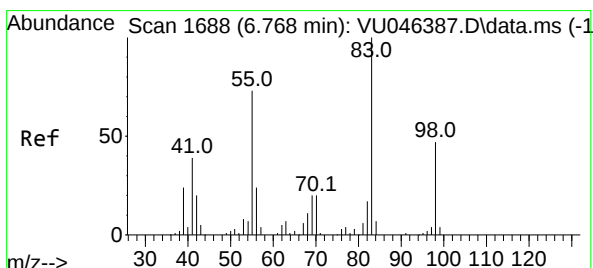
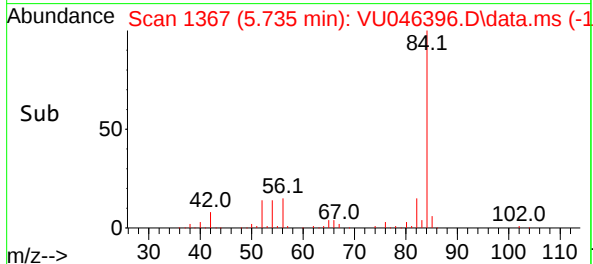
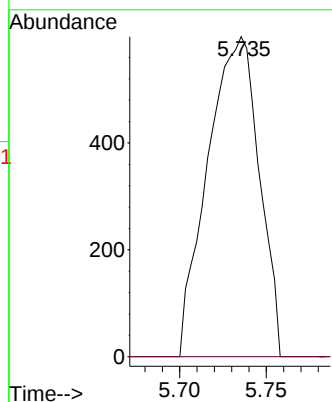
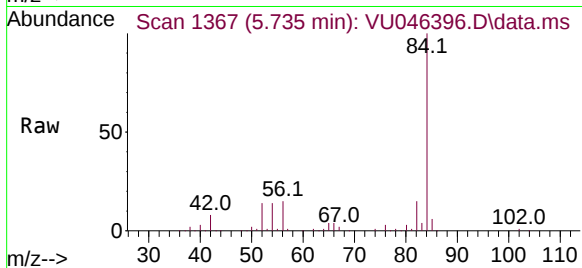
ClientSampleId :

Tgt Ion: 62 Resp: 1238

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 8.186 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046396.D

Acq: 15 Dec 2021 14:44

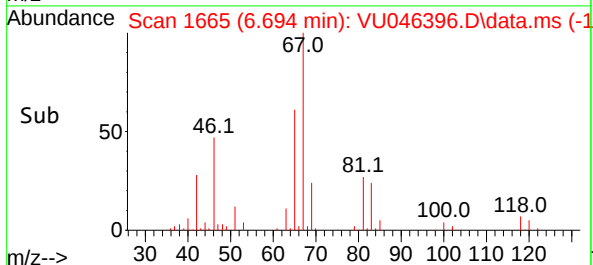
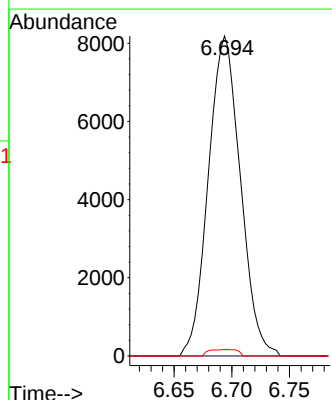
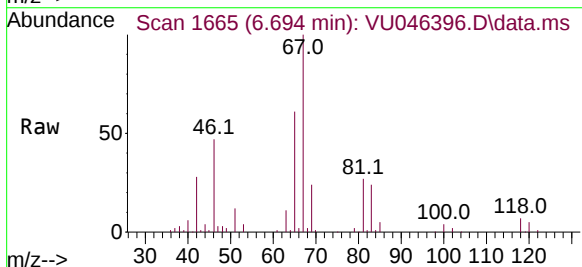
Tgt Ion: 83 Resp: 15819

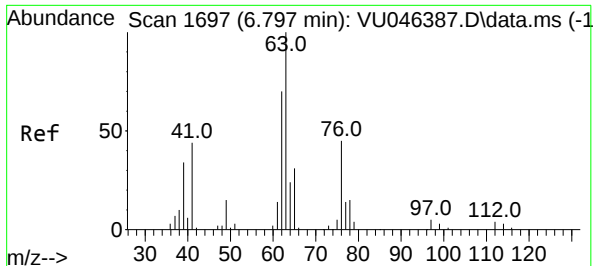
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.7 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.929 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046396.D

Acq: 15 Dec 2021 14:44

Instrument :

MSVOA_U

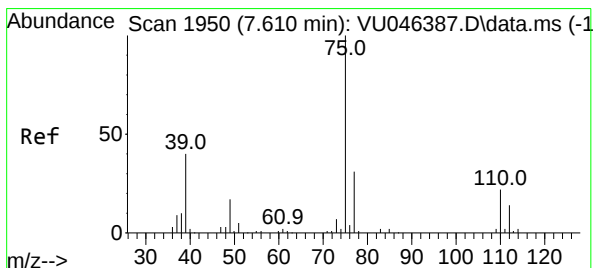
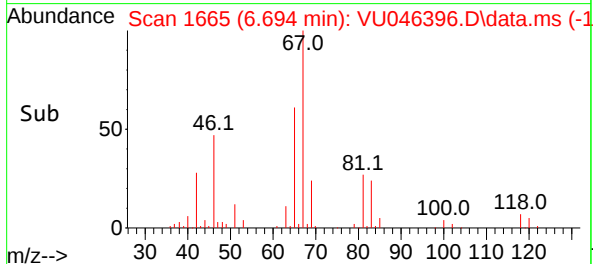
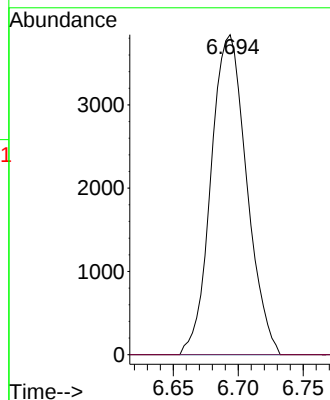
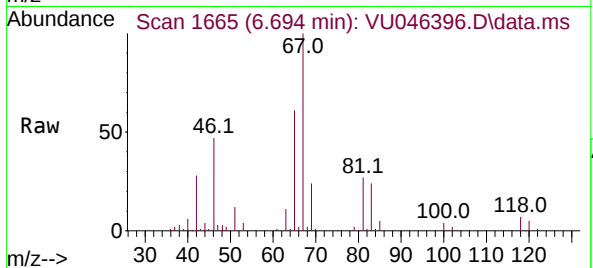
ClientSampleId :

Tgt Ion: 63 Resp: 7348

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.098 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046396.D

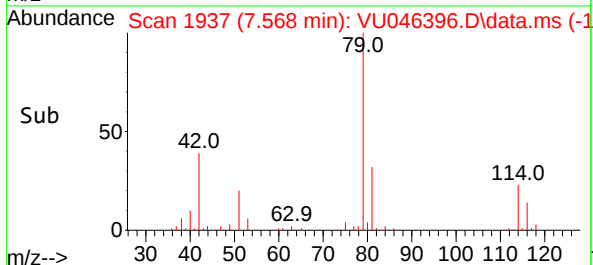
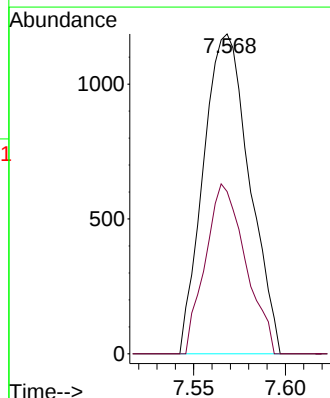
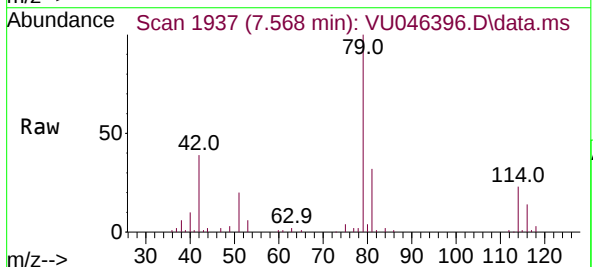
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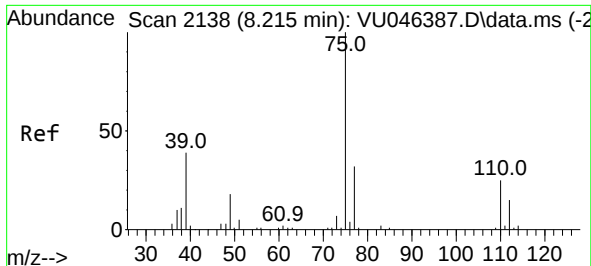
Tgt Ion: 75 Resp: 2071

Ion Ratio Lower Upper

75 100

77 50.8 21.8 40.6#

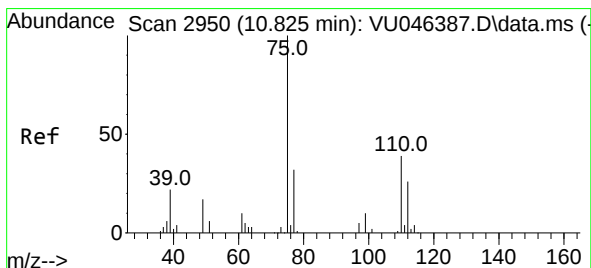
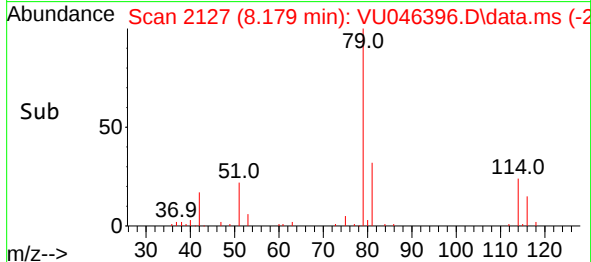
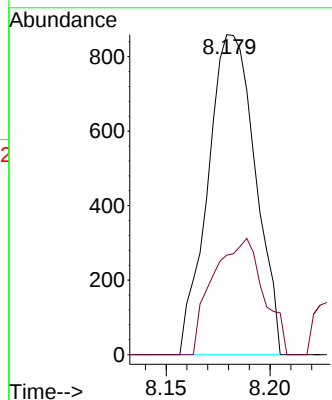
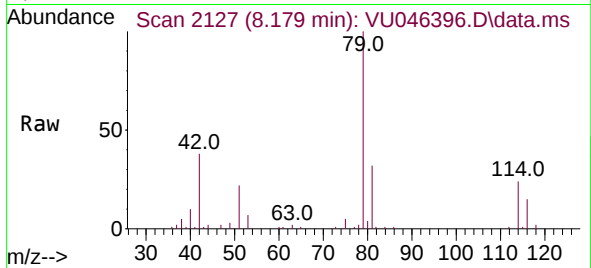




#44
trans-1,3-Dichloropropene
Concen: 0.738 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046396.D
Acq: 15 Dec 2021 14:44

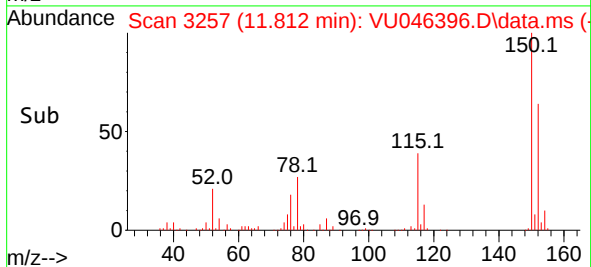
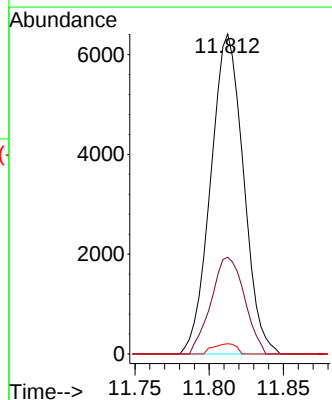
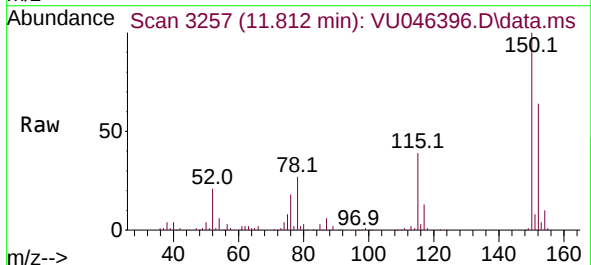
Instrument :
MSVOA_U
ClientSampleId :

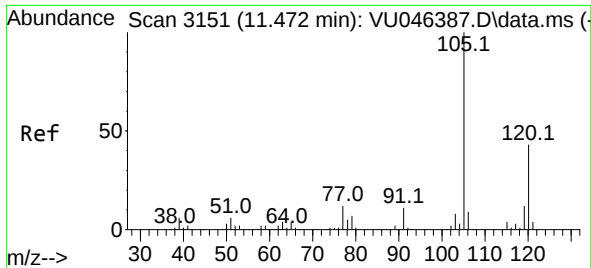
Tgt Ion: 75 Resp: 1367
Ion Ratio Lower Upper
75 100
77 31.1 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 5.539 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046396.D
Acq: 15 Dec 2021 14:44

Tgt Ion: 75 Resp: 9827
Ion Ratio Lower Upper
75 100
77 30.8 26.4 39.6
110 2.3 32.4 48.6#





#63
 1,2,4-Trimethylbenzene
 Concen: 1.114 ug/L
 RT: 11.472 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: VU046396.D
 Acq: 15 Dec 2021 14:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 4893
 Ion Ratio Lower Upper
 105 100
 120 40.4 35.2 52.8

