

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033020\
 Data File : VU037458.D
 Acq On : 30 Mar 2020 13:04
 Operator : JC/MD
 Sample : L2001-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 01:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 31 01:16:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	93718	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	87852	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	43705	5.00	ug/L	0.00

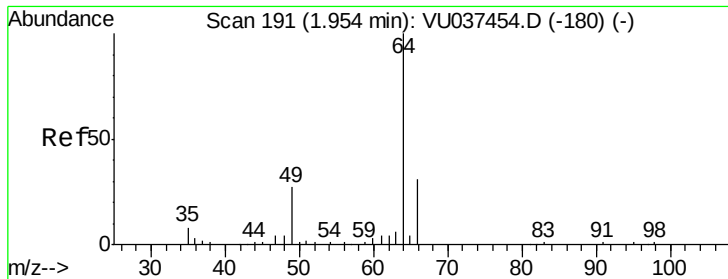
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28885	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	27850	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.59	63	44991	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.67	46	105671	56.04	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.08%
24) Chloroform-d	5.11	84	61706	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.74	65	38021	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.76	84	123077	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.72	67	42134	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.92	98	111193	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.20	79	16811	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.66	63	88697	56.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	35511	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	41695	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	483	0.118	ug/L #	53
12) 1,1-Dichloroethene	2.59	96	370	0.060	ug/L #	1
13) Acetone	2.66	43	82890	76.506	ug/L	99
15) Methyl Acetate	2.98	43	89893	29.697	ug/L	97
21) 2-Butanone	4.85	43	2296884	1247.034	ug/L #	46
25) Chloroform	5.13	83	3480	0.275	ug/L #	69
31) Carbon tetrachloride	5.56	117	169787	17.809	ug/L	98
35) Methylcyclohexane	6.72	83	10204	0.870	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	4794	0.713	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	1447	0.132	ug/L #	61
59) 1,2,3-Trichloropropane	11.83	75	6044	1.292	ug/L	93

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



#8

Chloroethane

Concen: 0.118 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037458.D

Acq: 30 Mar 2020 13:04

Instrument :

MSVOA_U

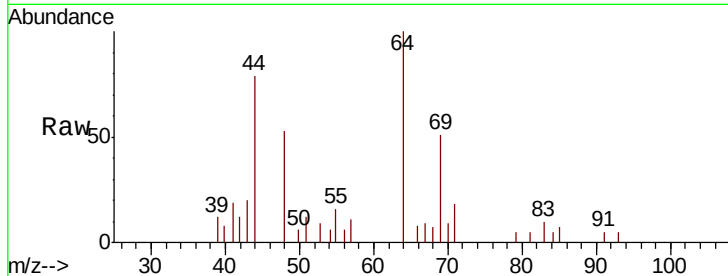
ClientSampleId :

Tot Ion: 64 Resp: 483

Ion Ratio Lower Upper

64 100

66 7.7 24.8 46.0#



Abundance Ion 64.10 (63.80 to 64.80): VU037458.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU037458.D (-180) (-)

1.95

2500

2000

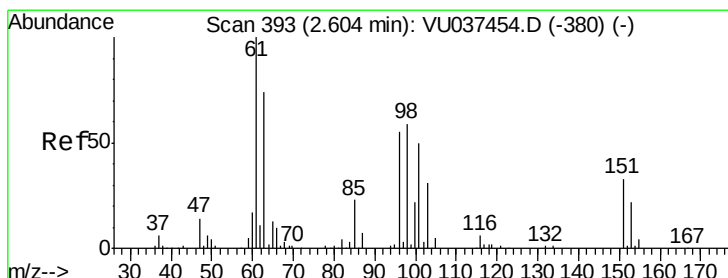
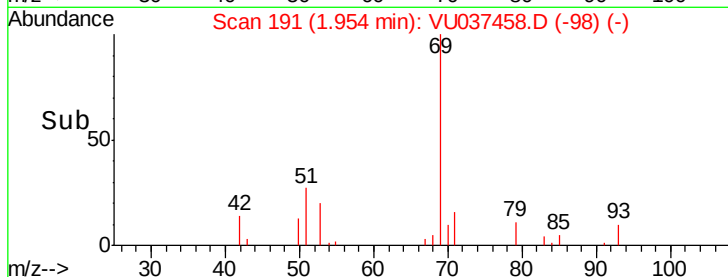
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037458.D

Acq: 30 Mar 2020 13:04

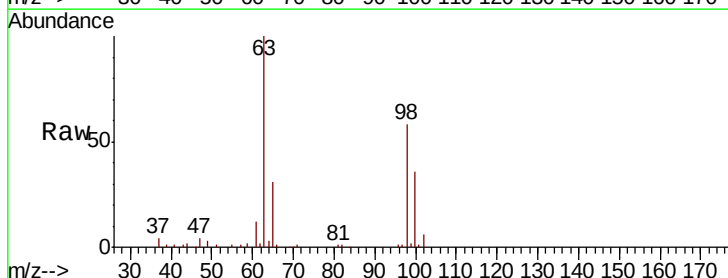
Tgt Ion: 96 Resp: 370

Ion Ratio Lower Upper

96 100

61 1449.8 125.4 232.8#

63 11618.3 90.9 168.7#



Abundance Ion 96.00 (95.70 to 96.70): VU037458.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU037458.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU037458.D (-380) (-)

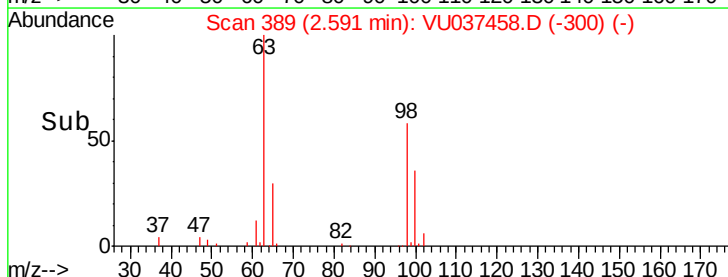
30000

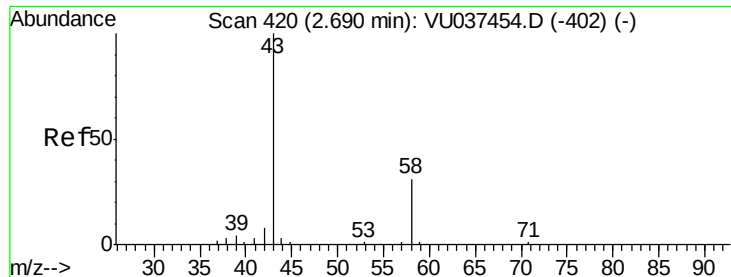
20000

10000

0

Time-->

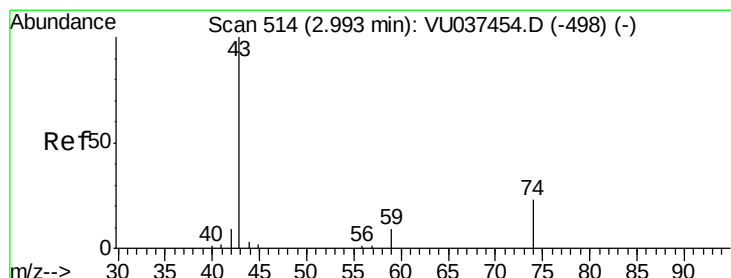
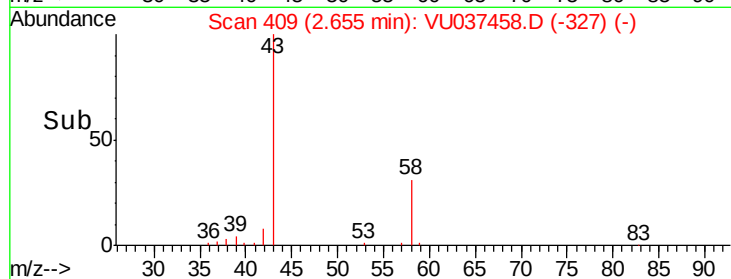
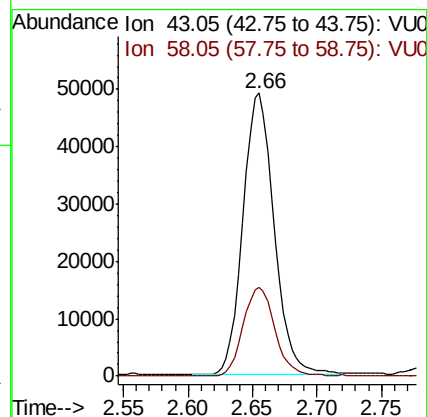
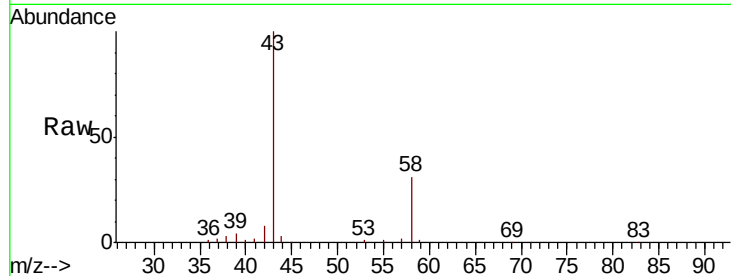




#13
 Acetone
 Concen: 76.506 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. -0.04 min
 Lab File: VU037458.D
 Acq: 30 Mar 2020 13:04

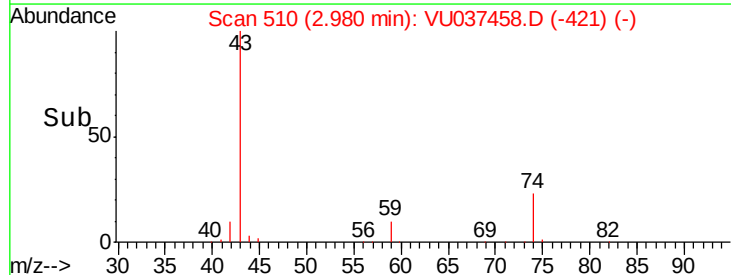
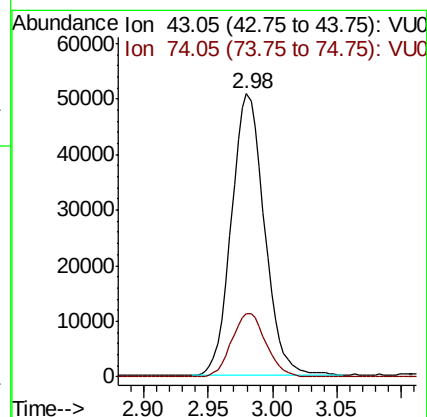
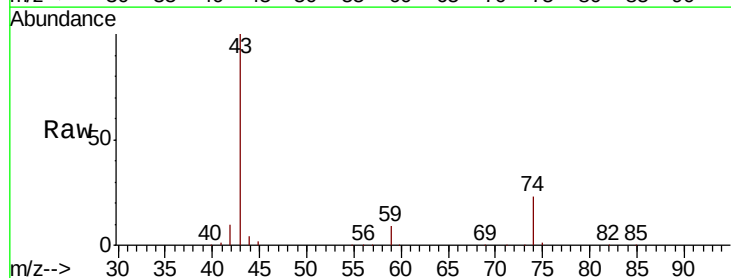
Instrument :
 MSVOA_U
 ClientSampled :

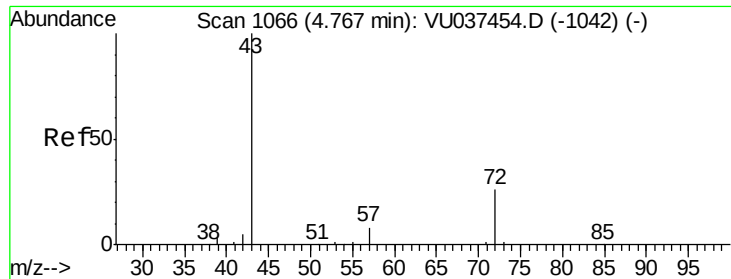
Tot Ion: 43 Resp: 82890
 Ion Ratio Lower Upper
 43 100
 58 32.2 0.0 66.0



#15
 Methyl Acetate
 Concen: 29.697 ug/L
 RT: 2.98 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VU037458.D
 Acq: 30 Mar 2020 13:04

Tgt Ion: 43 Resp: 89893
 Ion Ratio Lower Upper
 43 100
 74 23.4 19.8 29.6

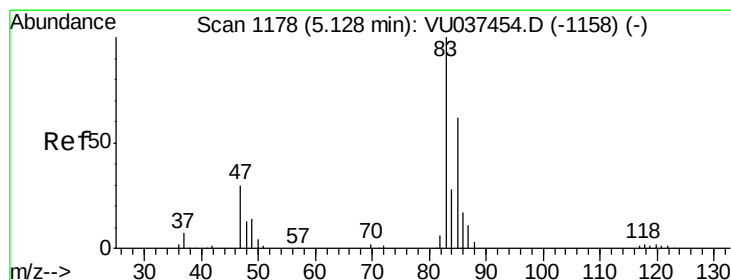
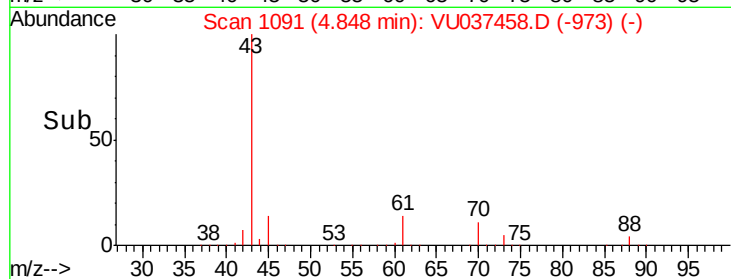
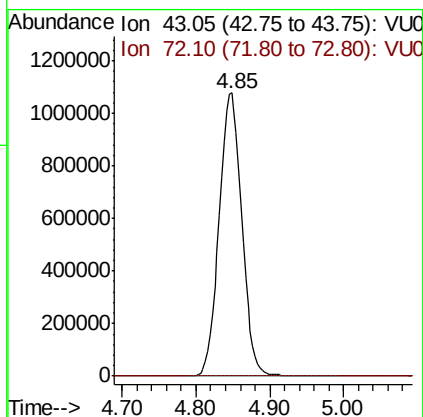
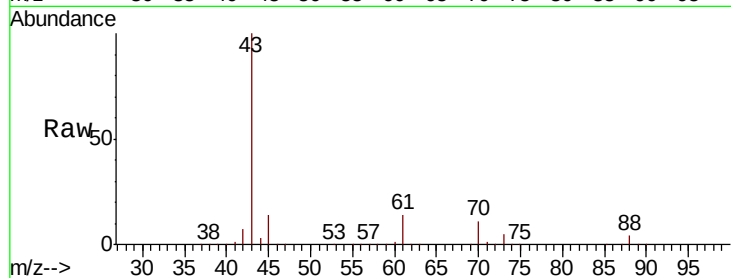




#21
2-Butanone
Concen: 1247.034 ug/L
RT: 4.85 min Scan# 1091
Delta R.T. 0.08 min
Lab File: VU037458.D
Acq: 30 Mar 2020 13:04

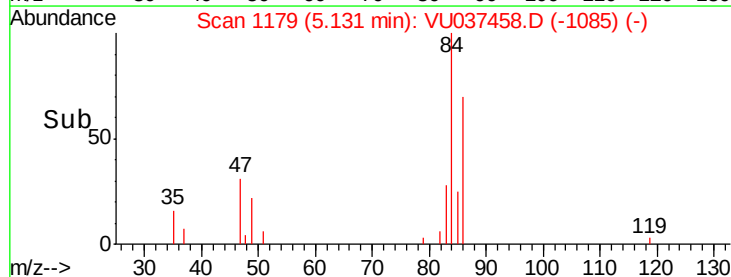
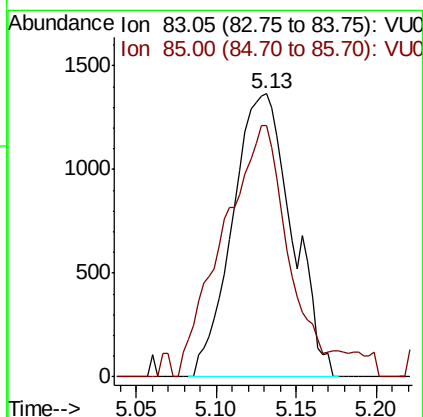
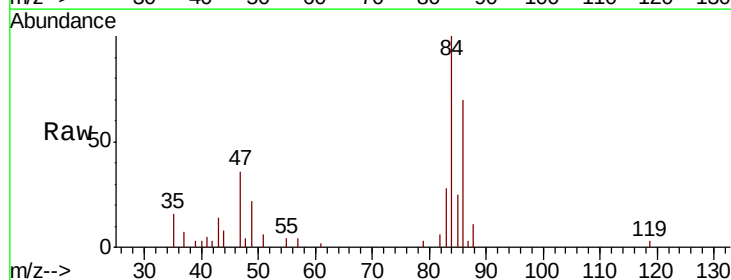
Instrument :
MSVOA_U
ClientSampleId :

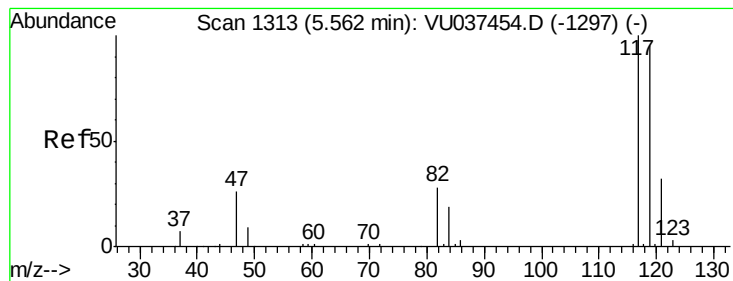
Tot Ion: 43 Resp: 2296884
Ion Ratio Lower Upper
43 100
72 0.1 14.2 42.6#



#25
Chloroform
Concen: 0.275 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037458.D
Acq: 30 Mar 2020 13:04

Tgt Ion: 83 Resp: 3480
Ion Ratio Lower Upper
83 100
85 89.0 45.4 84.4#





#31

Carbon tetrachloride

Concen: 17.809 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037458.D

Acq: 30 Mar 2020 13:04

Instrument :

MSVOA_U

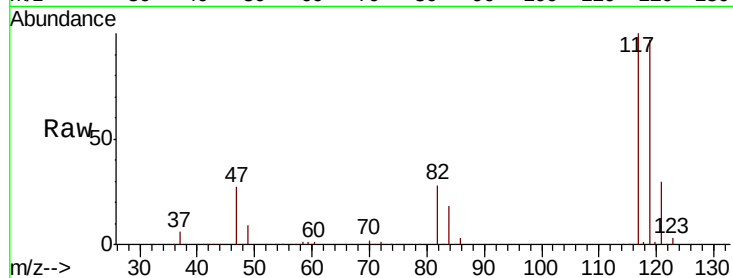
ClientSampleId :

Tot Ion:117 Resp: 169787

Ion Ratio Lower Upper

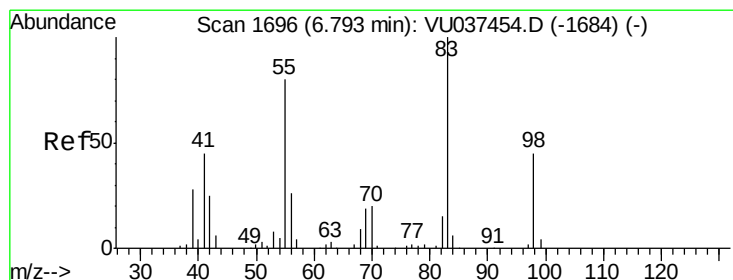
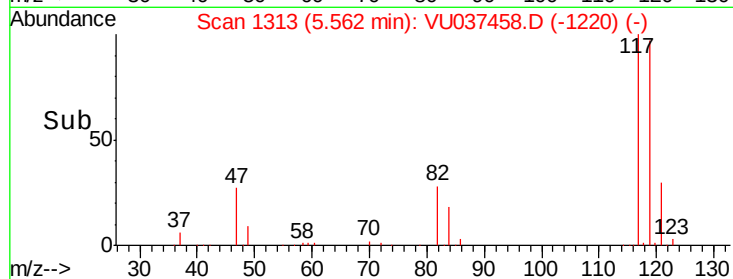
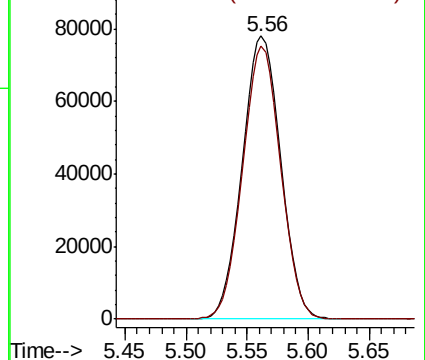
117 100

119 95.4 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.870 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037458.D

Acq: 30 Mar 2020 13:04

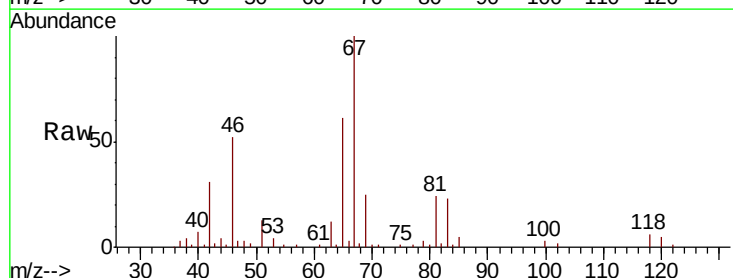
Tgt Ion: 83 Resp: 10204

Ion Ratio Lower Upper

83 100

55 1.8 64.2 96.4#

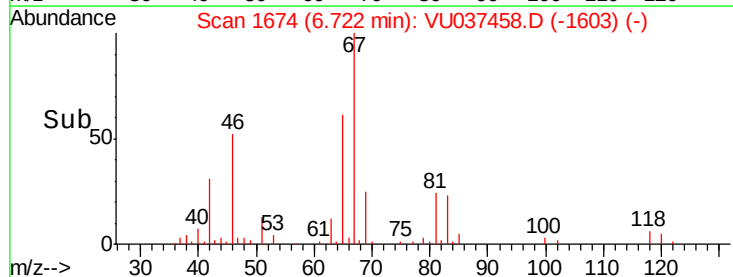
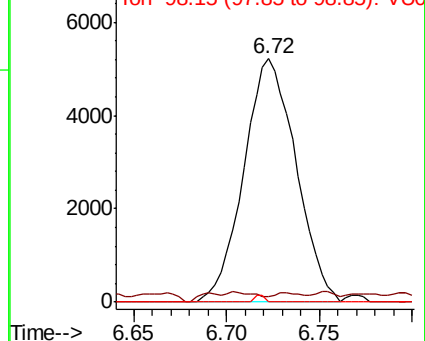
98 0.5 36.3 54.5#

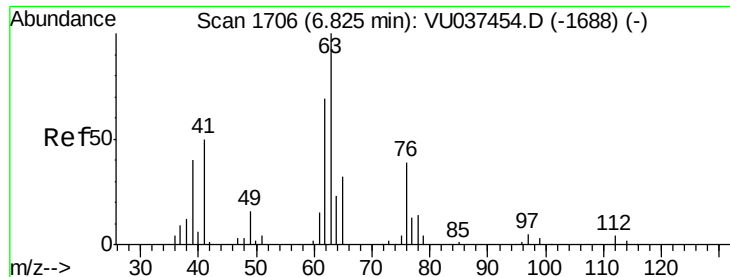


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

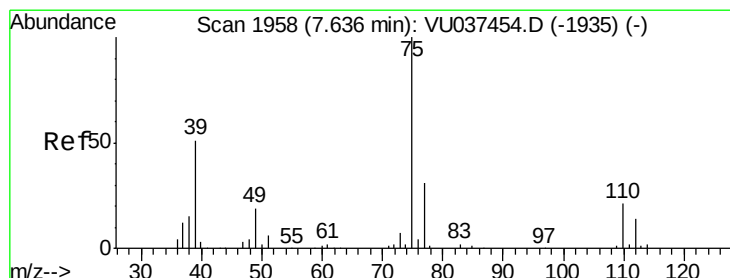
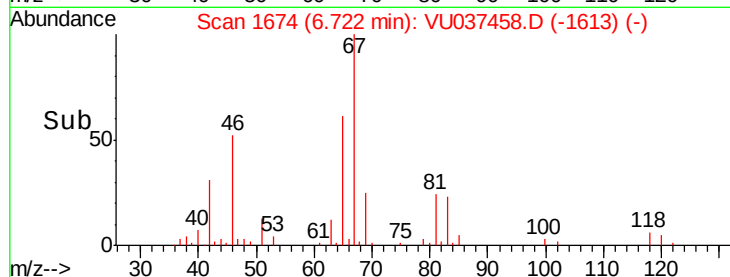
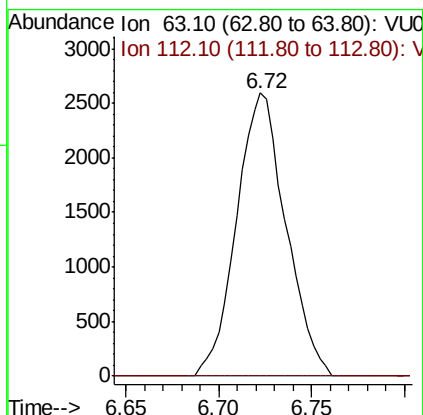
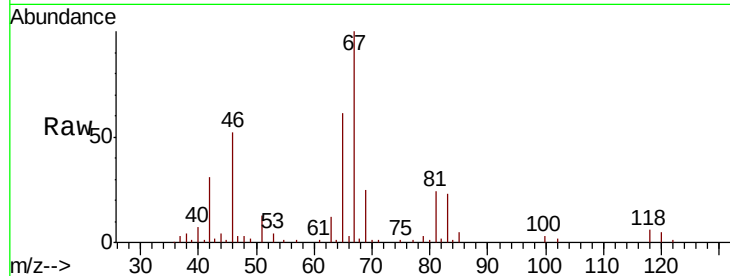




#37
 1,2-Dichloropropane
 Concen: 0.713 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037458.D
 Acq: 30 Mar 2020 13:04

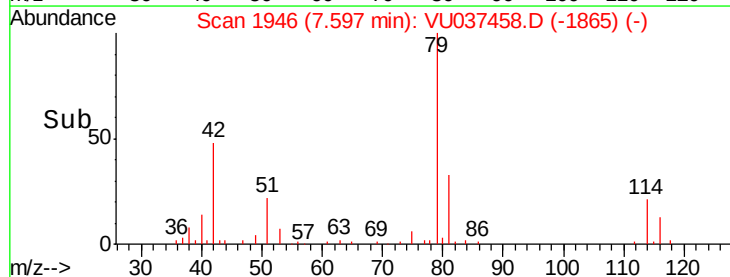
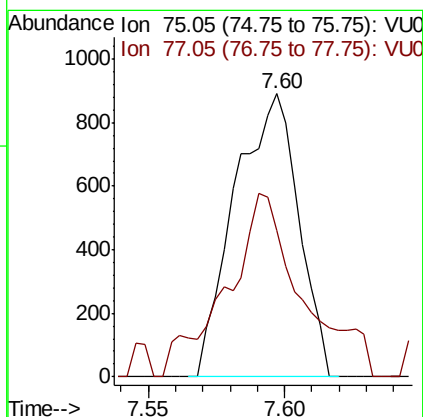
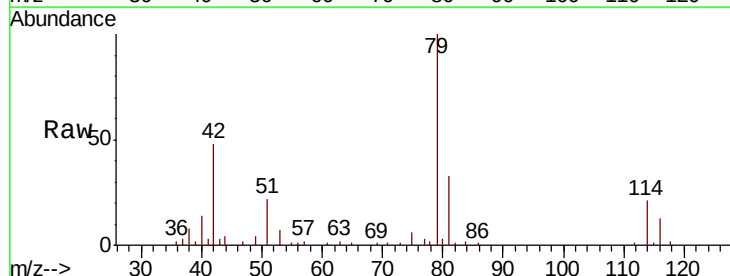
Instrument :
 MSVOA_U
 ClientSampleId :

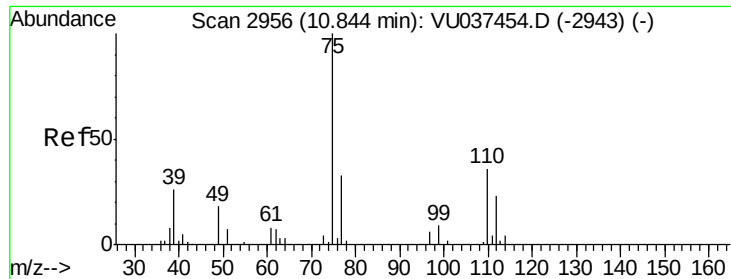
Tot Ion: 63 Resp: 4794
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.132 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU037458.D
 Acq: 30 Mar 2020 13:04

Tgt Ion: 75 Resp: 1447
 Ion Ratio Lower Upper
 75 100
 77 51.5 21.1 39.3#





#59

1,2,3-Trichloropropane

Concen: 1.292 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037458.D

Acq: 30 Mar 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6044

Ion Ratio Lower Upper

75 100

77 38.4 27.4 41.2

