

Data File : VU036972.D
Acq On : 28 Feb 2020 14:44
Operator : JC/MD
Sample : L1686-08ME
Misc : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAW05ME

Quant Time: Feb 29 00:34:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 29 00:30:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261589	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255803	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106951	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	81573	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.89	69	28689	15.78	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	31.56%#
11) 1,1-Dichloroethene-d2	2.56	63	109564	29.78	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.56%#
21) 2-Butanone-d5	4.68	46	144362	97.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.97%
24) Chloroform-d	5.10	84	146759	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
26) 1,2-Dichloroethane-d4	5.74	65	105654	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
32) Benzene-d6	5.75	84	329563	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
36) 1,2-Dichloropropane-d6	6.72	67	109735	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.58%
41) Toluene-d8	7.92	98	302975	44.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.30%
43) trans-1,3-Dichloropropene-	8.20	79	48396	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.90%
47) 2-Hexanone-d5	8.67	63	122113	104.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.21%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	169413	50.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.28%
64) 1,2-Dichlorobenzene-d4	12.21	152	102006	48.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.58%

Target Compounds

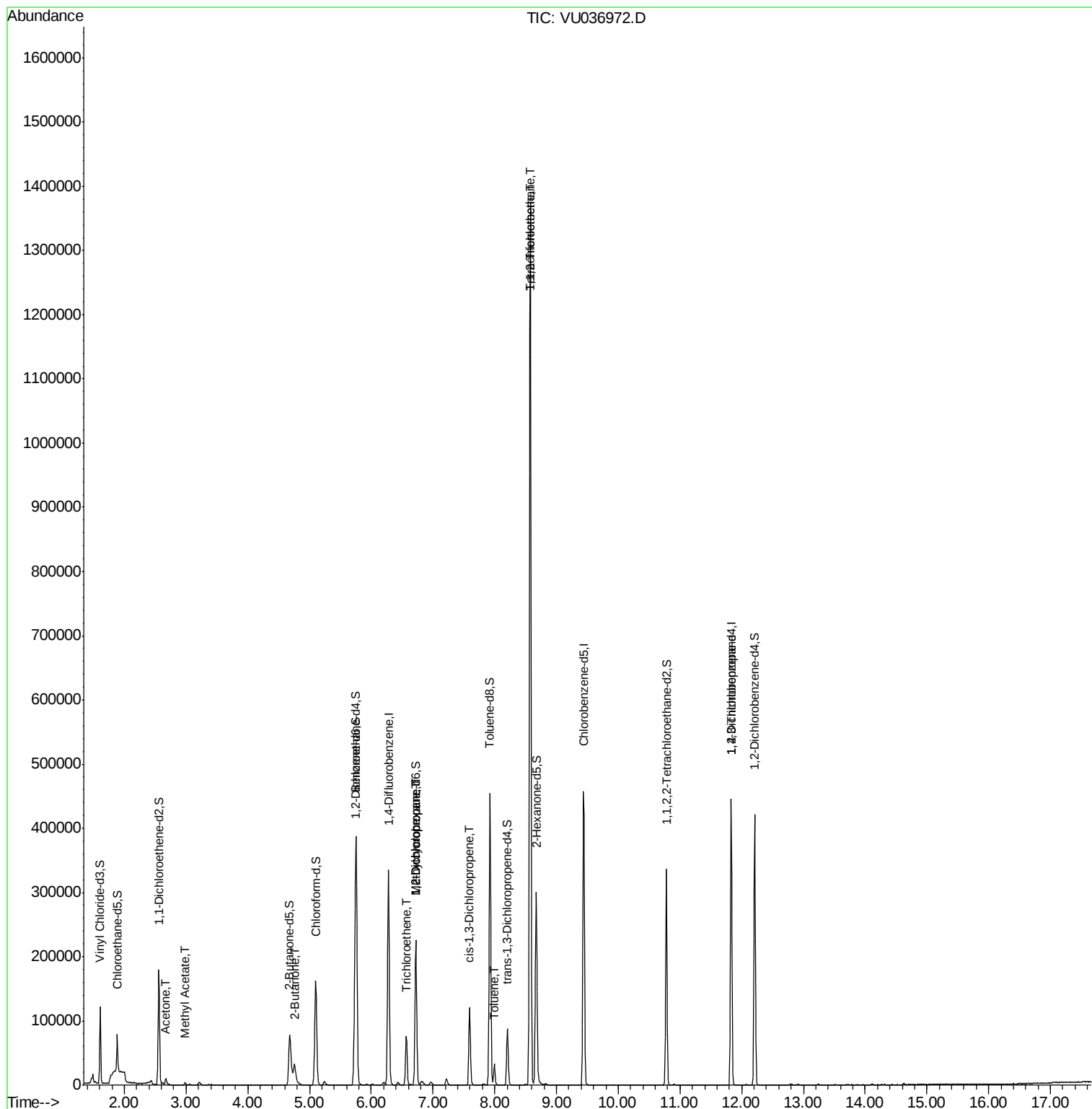
					Qvalue
13) Acetone	2.67	43	10971	7.238	ug/L 99
15) Methyl Acetate	2.99	43	4629	2.004	ug/L 99
22) 2-Butanone	4.76	43	48407	26.485	ug/L 100
34) Trichloroethene	6.57	95	25368	12.772	ug/L 98
35) Methylcyclohexane	6.72	83	23785	6.907	ug/L # 19
37) 1,2-Dichloropropane	6.72	63	11627	5.344	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3075	0.917	ug/L # 76
42) Toluene	7.99	91	22910	2.661	ug/L 98
45) 1,1,2-Trichloroethane	8.57	97	2958	1.529	ug/L # 1
46) Tetrachloroethene	8.57	164	274687	209.931	ug/L 99
59) 1,2,3-Trichloropropane	11.83	75	16668	5.955	ug/L 96

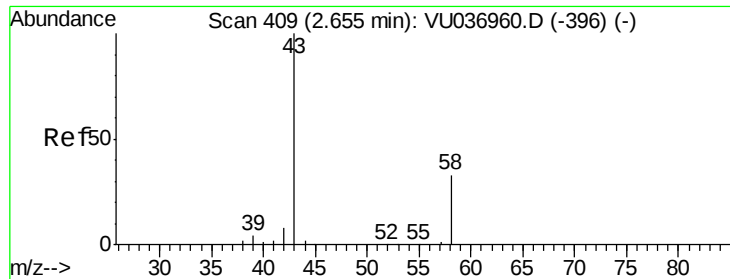
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.238 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU036972.D

Acq: 28 Feb 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

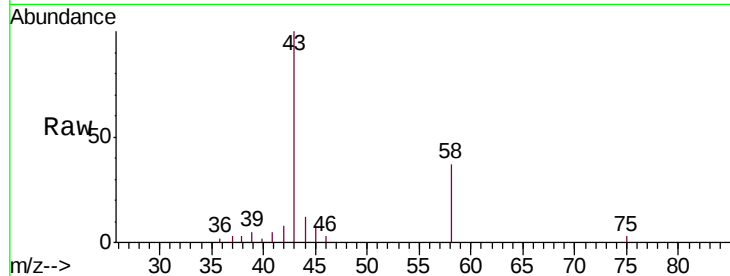
GAW05ME

Tgt Ion: 43 Resp: 10971

Ion Ratio Lower Upper

43 100

58 33.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036972.D (-414) (-)

Ion 58.00 (57.70 to 58.70): VU036972.D (-414) (-)

2.67

6000

5000

4000

3000

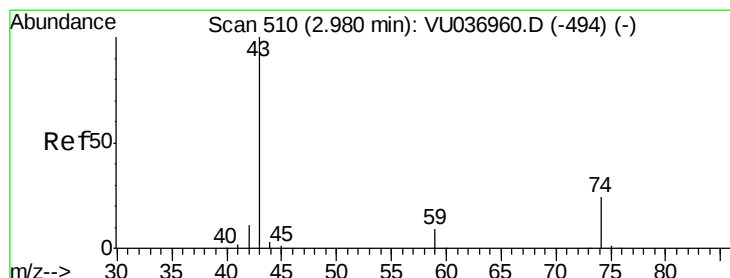
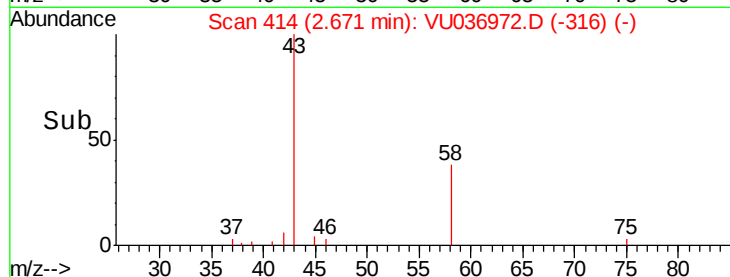
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#15

Methyl Acetate

Concen: 2.004 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.01 min

Lab File: VU036972.D

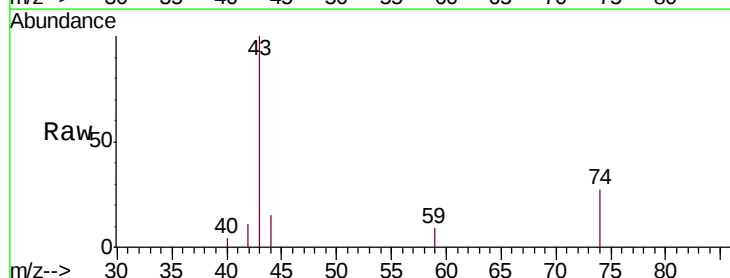
Acq: 28 Feb 2020 14:44

Tgt Ion: 43 Resp: 4629

Ion Ratio Lower Upper

43 100

74 23.4 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU036972.D (-417) (-)

Ion 74.00 (73.70 to 74.70): VU036972.D (-417) (-)

2.99

2500

2000

1500

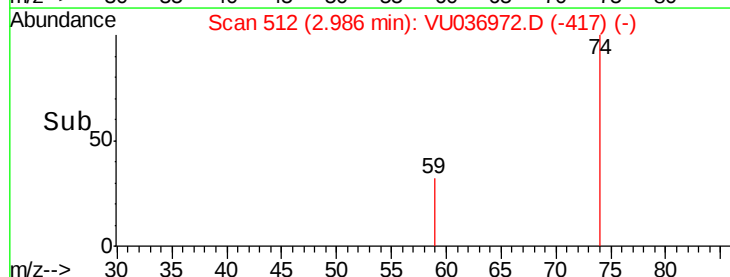
1000

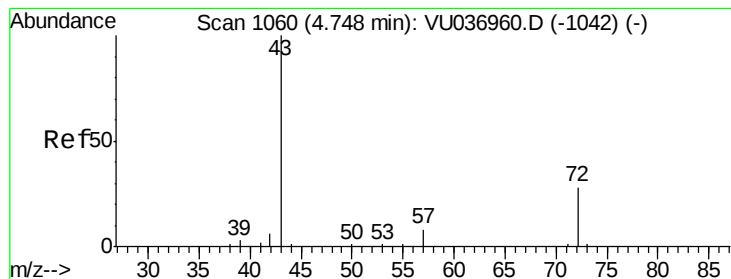
500

0

Time-->

2.95 3.00 3.05





#22

2-Butanone

Concen: 26.485 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VU036972.D

Acq: 28 Feb 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

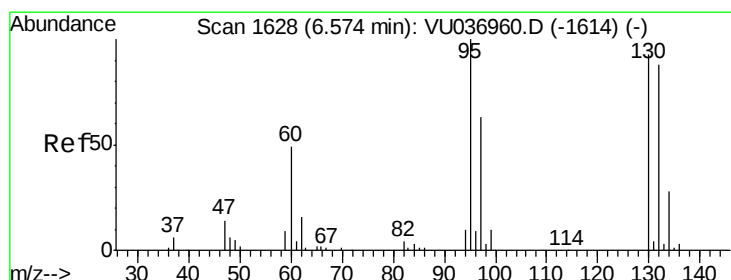
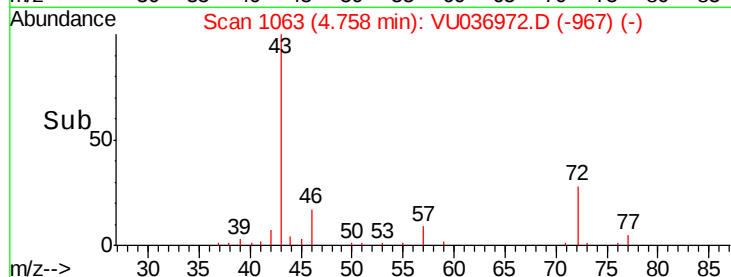
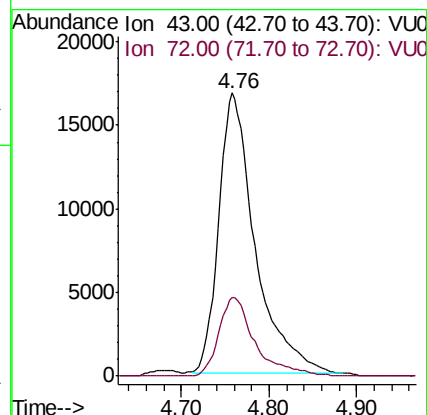
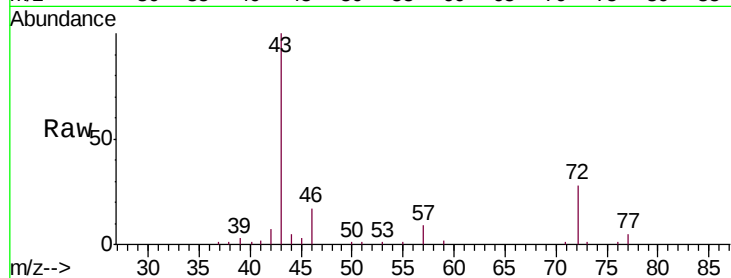
GAW05ME

Tgt Ion: 43 Resp: 48407

Ion Ratio Lower Upper

43 100

72 27.9 13.9 41.6



#34

Trichloroethene

Concen: 12.772 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU036972.D

Acq: 28 Feb 2020 14:44

Tgt Ion: 95 Resp: 25368

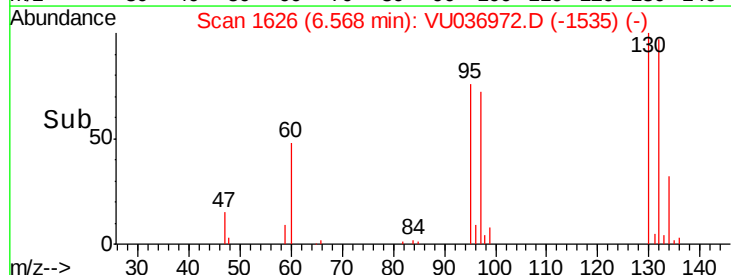
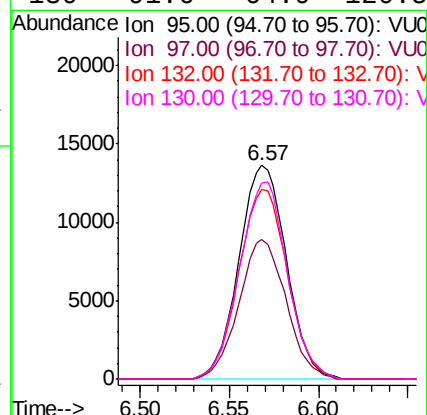
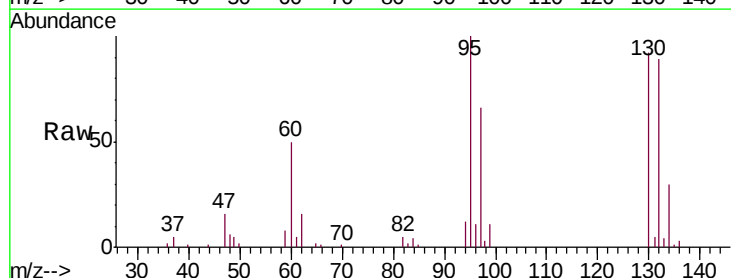
Ion Ratio Lower Upper

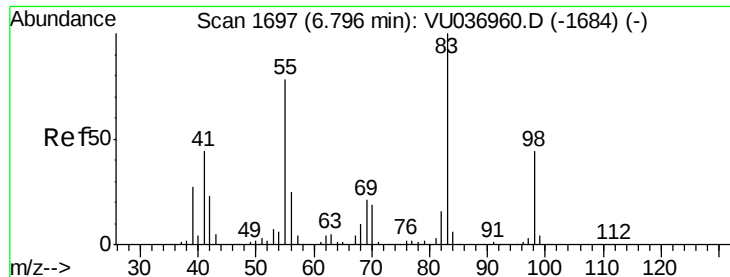
95 100

97 65.6 44.1 81.9

132 89.0 60.6 112.6

130 91.6 64.9 120.5

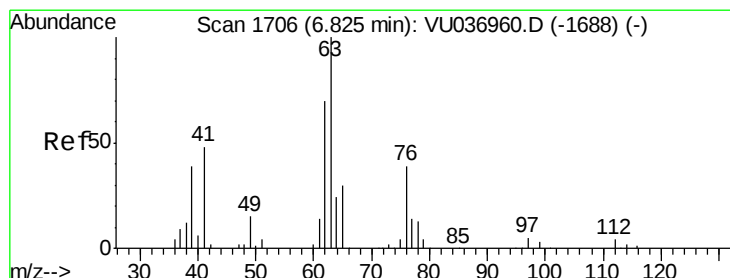
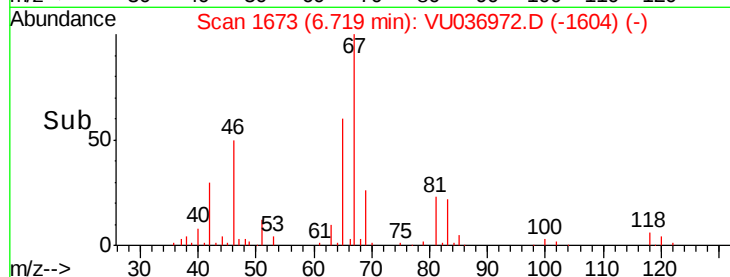
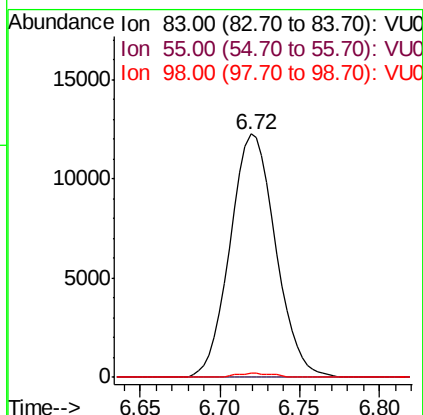
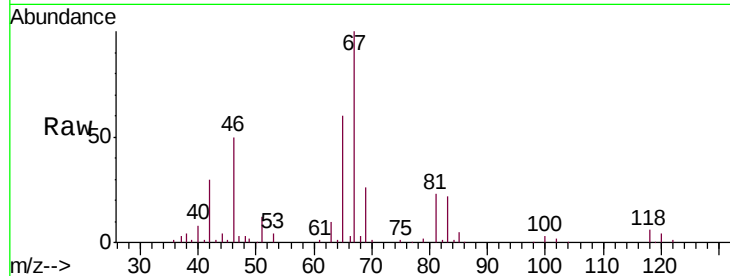




#35
Methylcyclohexane
Concen: 6.907 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.08 min
Lab File: VU036972.D
Acq: 28 Feb 2020 14:44

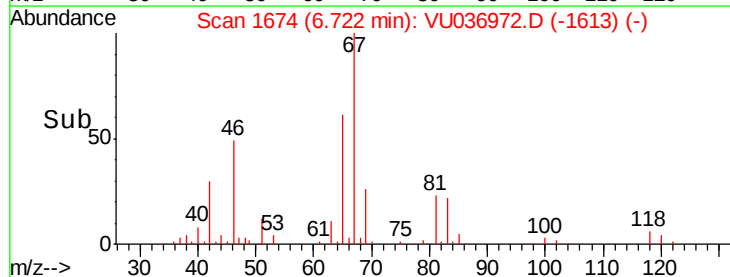
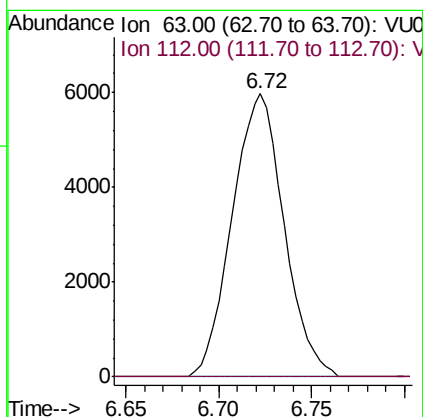
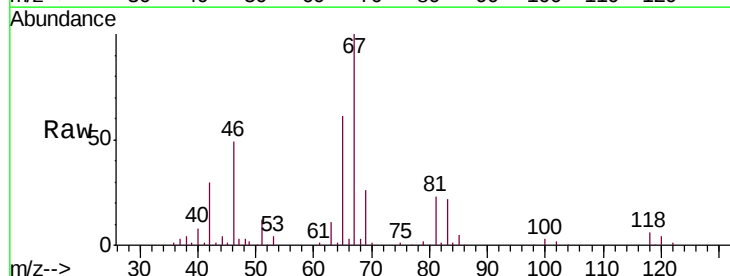
Instrument :
MSVOA_U
ClientSampleId :
GAW05ME

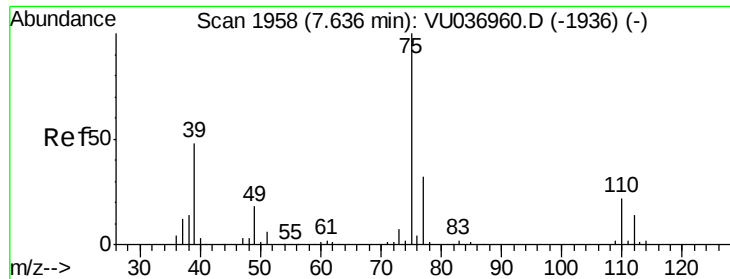
Tgt Ion: 83 Resp: 23785
Ion Ratio Lower Upper
83 100
55 0.5 62.6 93.8#
98 1.3 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 5.344 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU036972.D
Acq: 28 Feb 2020 14:44

Tgt Ion: 63 Resp: 11627
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

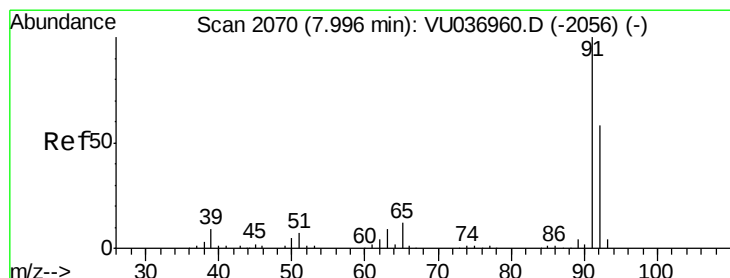
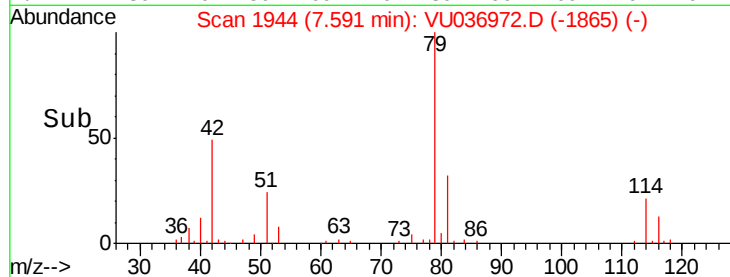
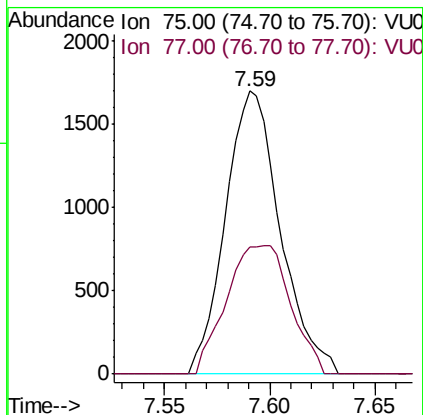
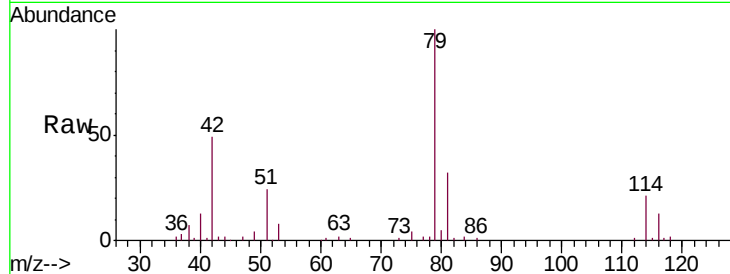




#39
 cis-1,3-Dichloropropene
 Concen: 0.917 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU036972.D
 Acq: 28 Feb 2020 14:44

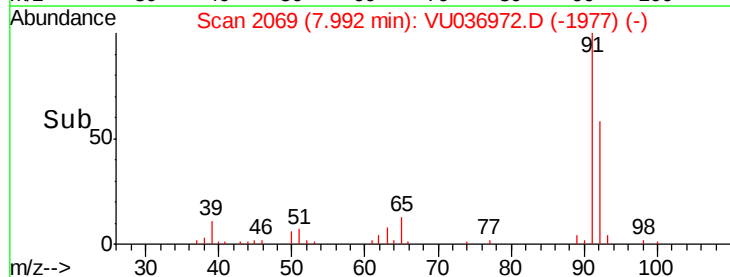
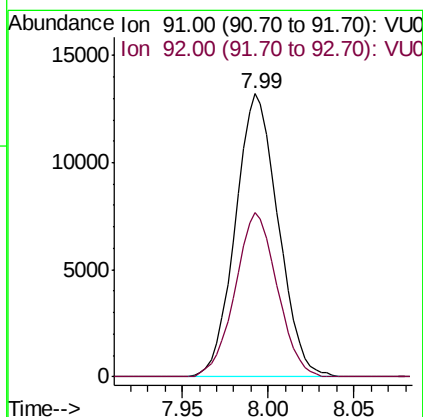
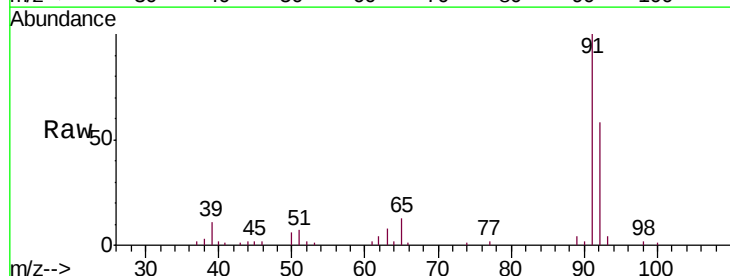
Instrument :
 MSVOA_U
 ClientSampleId :
 GAW05ME

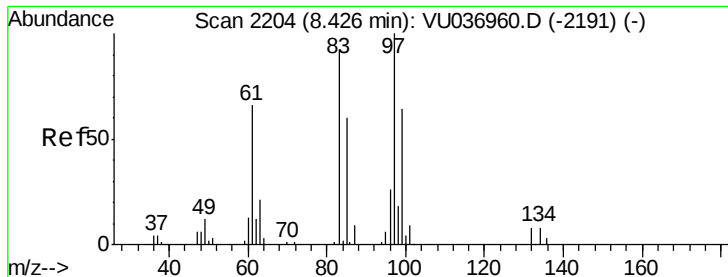
Tgt Ion: 75 Resp: 3075
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.0 41.0#



#42
 Toluene
 Concen: 2.661 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU036972.D
 Acq: 28 Feb 2020 14:44

Tgt Ion: 91 Resp: 22910
 Ion Ratio Lower Upper
 91 100
 92 57.9 39.4 73.2





#45

1,1,2-Trichloroethane

Concen: 1.529 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.14 min

Lab File: VU036972.D

Acq: 28 Feb 2020 14:44

Instrument :

MSVOA_U

ClientSampleId :

GAW05ME

Tgt Ion: 97 Resp: 2958

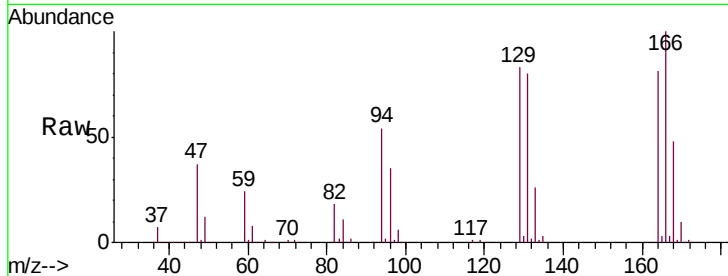
Ion Ratio Lower Upper

97 100

99 11.6 43.6 81.0#

83 262.3 62.7 116.5#

85 33.7 40.3 74.9#

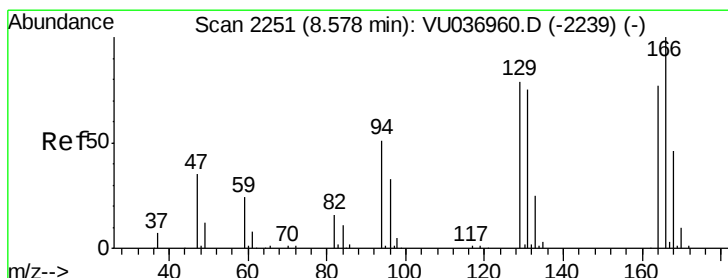
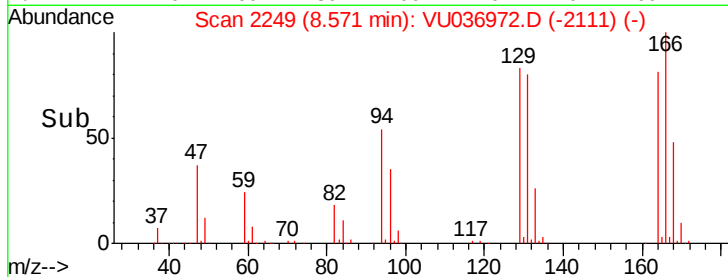
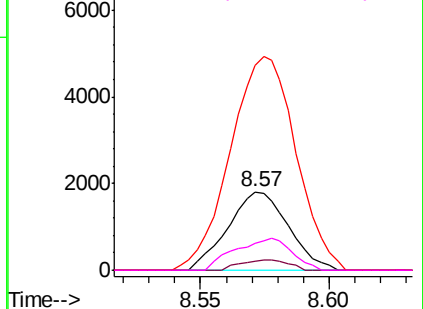


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 209.931 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU036972.D

Acq: 28 Feb 2020 14:44

Tgt Ion:164 Resp: 274687

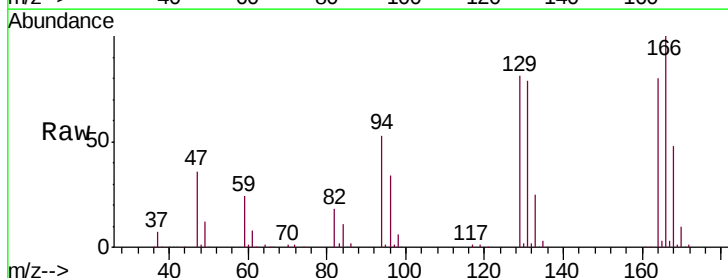
Ion Ratio Lower Upper

164 100

129 102.4 72.0 133.8

131 98.9 67.9 126.1

166 125.7 87.1 161.7

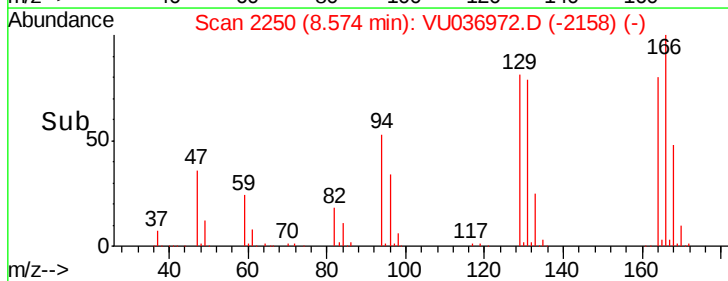
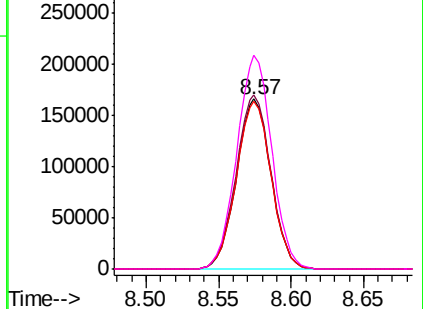


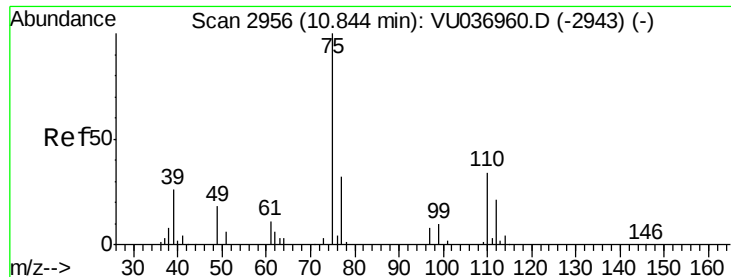
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#59

1,2,3-Trichloropropane

Concen: 5.955 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036972.D

Acq: 28 Feb 2020 14:44

Instrument :

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ClientSampleId :

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Tgt Ion: 75 Resp: 16668

Ion Ratio Lower Upper

75 100

77 35.0 26.2 39.2

