

Data File : VU036925.D
Acq On : 26 Feb 2020 19:06
Operator : JC/MD
Sample : L1687-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AT3

Quant Time: Feb 27 04:51:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 04:47:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	245092	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	230854	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	87848	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	89563	43.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.02%
7) Chloroethane-d5	1.93	69	81940	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.22%
11) 1,1-Dichloroethene-d2	2.59	63	121901	35.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.74%
21) 2-Butanone-d5	4.67	46	148418	107.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.50%
24) Chloroform-d	5.11	84	154606	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
26) 1,2-Dichloroethane-d4	5.74	65	107807	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
32) Benzene-d6	5.76	84	336388	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.72	67	109588	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.92	98	298237	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	8.20	79	46600	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
47) 2-Hexanone-d5	8.66	63	113089	106.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	153242	50.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.50%
64) 1,2-Dichlorobenzene-d4	12.21	152	90620	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%

Target Compounds

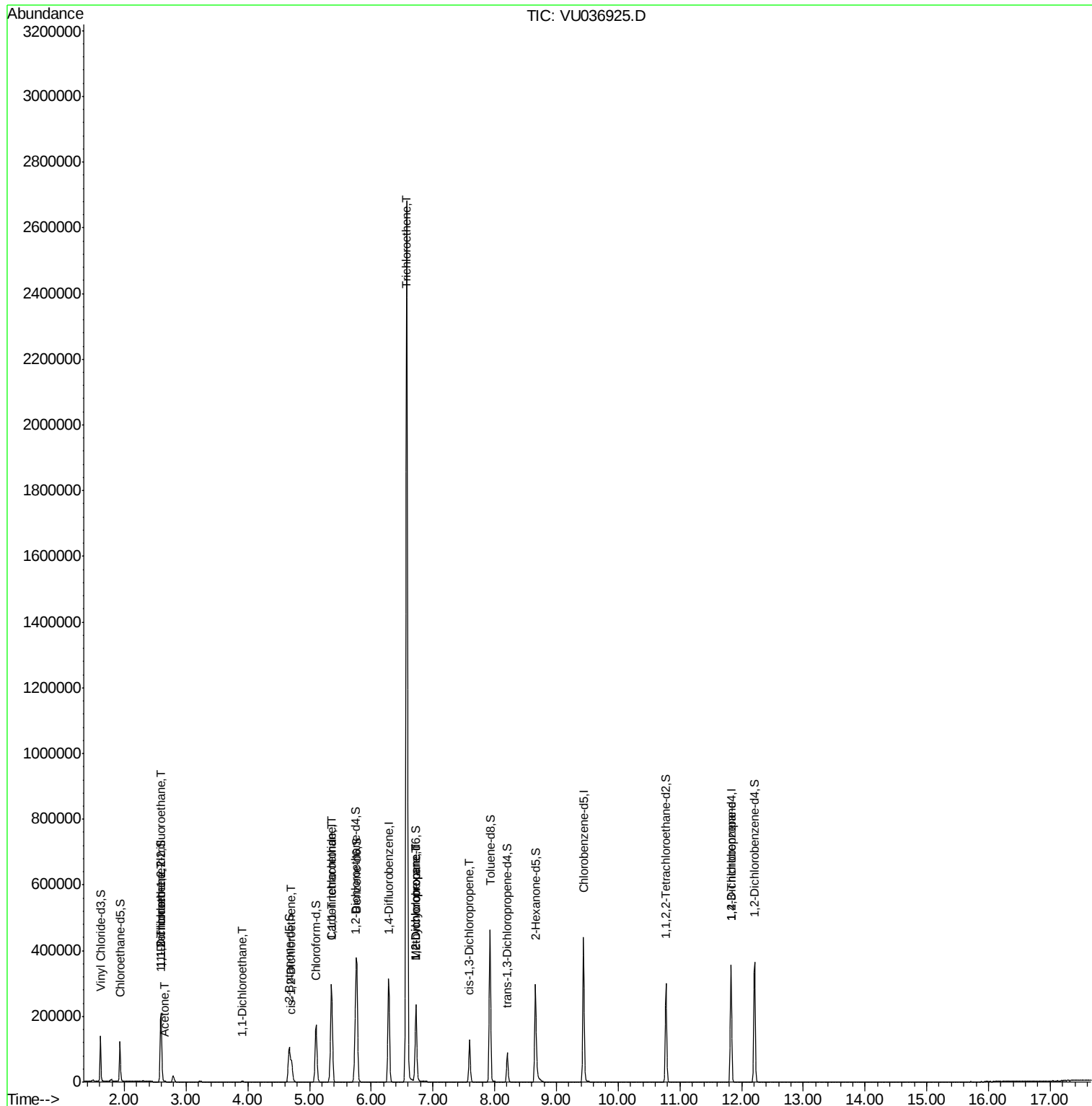
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4314	2.756	ug/L #	78
12) 1,1-Dichloroethene	2.61	96	10152	6.413	ug/L #	1
13) Acetone	2.66	43	2552	1.797	ug/L	90
19) 1,1-Dichloroethane	3.91	63	3161	0.957	ug/L	93
20) cis-1,2-Dichloroethene	4.71	96	28427	14.950	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	205523	83.036	ug/L	100
31) Carbon tetrachloride	5.36	117	26412	13.614	ug/L	99
34) Trichloroethene	6.57	95	913050	509.370	ug/L	99
35) Methylcyclohexane	6.73	83	24056	7.740	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12025	6.124	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2892	0.956	ug/L #	54
59) 1,2,3-Trichloropropane	11.83	75	13077	5.177	ug/L	96

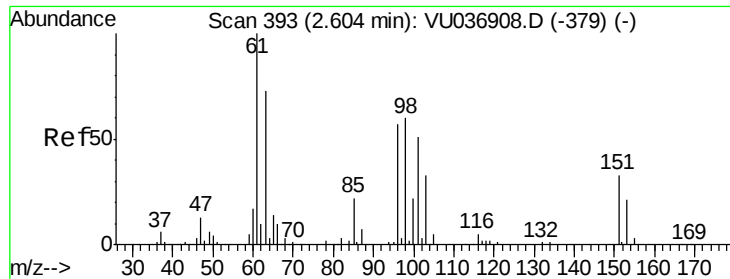
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.756 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

C0AT3

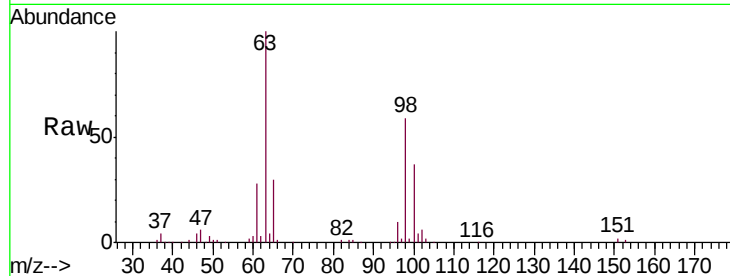
Tgt Ion:101 Resp: 4314

Ion Ratio Lower Upper

101 100

85 33.3 36.4 54.6#

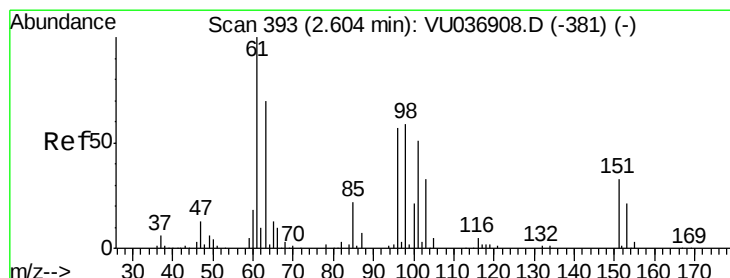
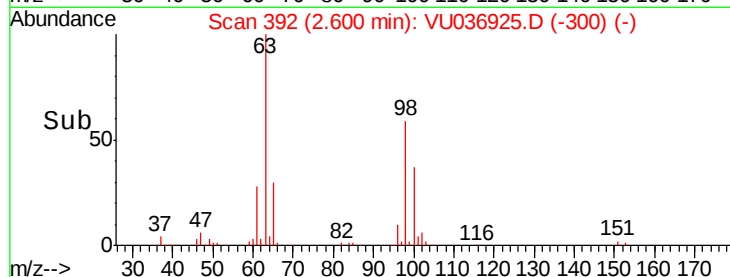
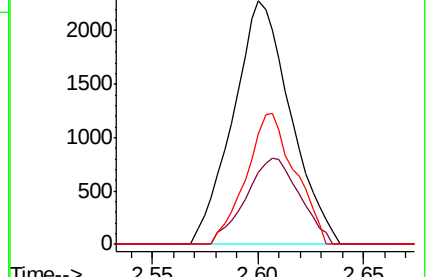
151 45.6 52.4 78.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.413 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

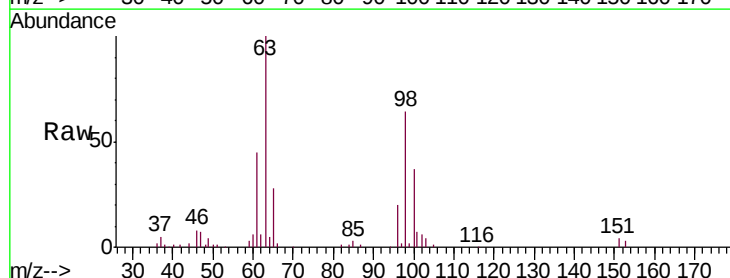
Tgt Ion: 96 Resp: 10152

Ion Ratio Lower Upper

96 100

61 222.0 127.5 236.7

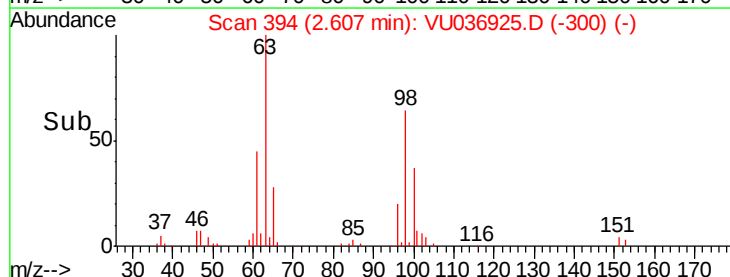
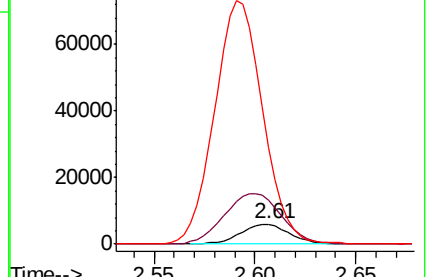
63 491.9 101.4 188.2#

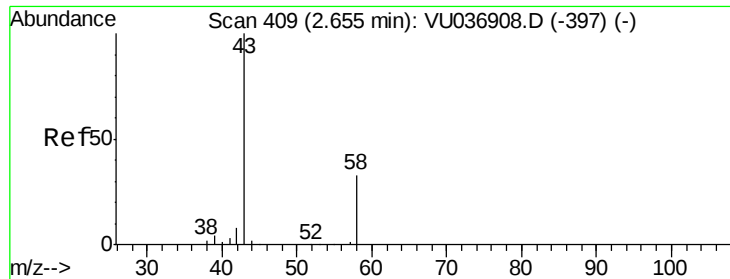


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.797 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_U

ClientSampled :

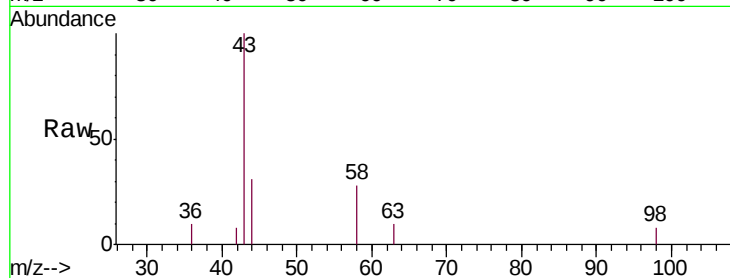
C0AT3

Tgt Ion: 43 Resp: 2552

Ion Ratio Lower Upper

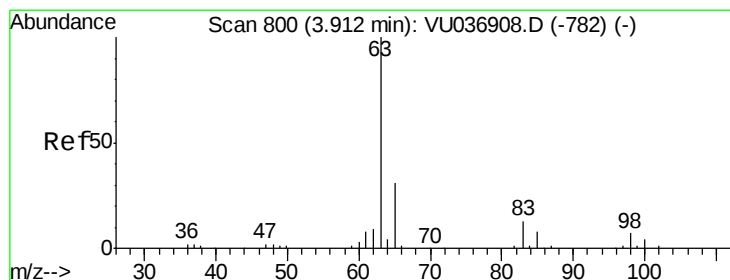
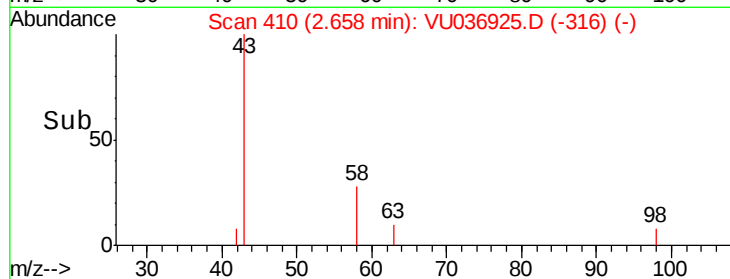
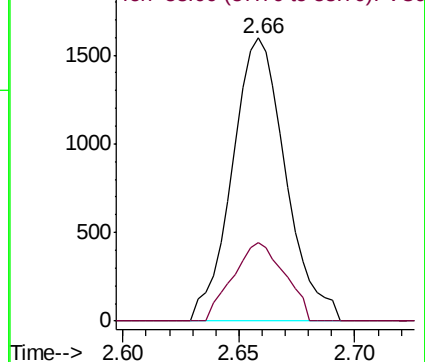
43 100

58 26.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036925.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU036925.D (-316) (-)



#19

1,1-Dichloroethane

Concen: 0.957 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

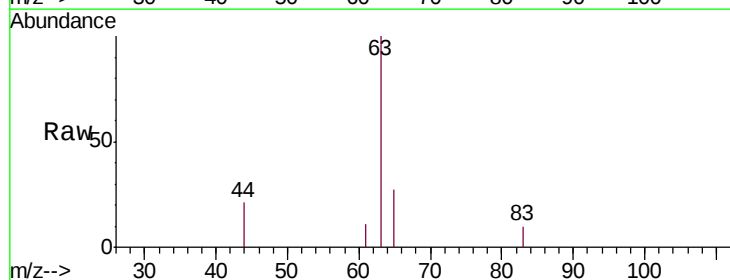
Tgt Ion: 63 Resp: 3161

Ion Ratio Lower Upper

63 100

65 26.8 21.3 39.5

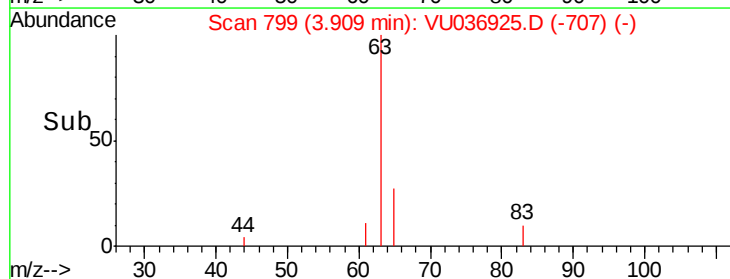
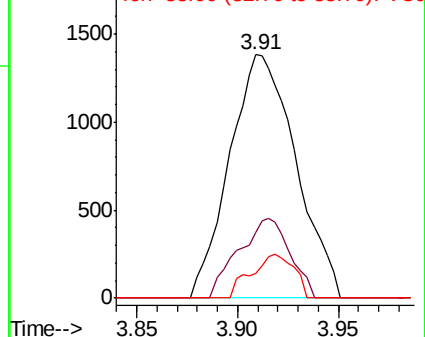
83 10.1 9.2 17.2

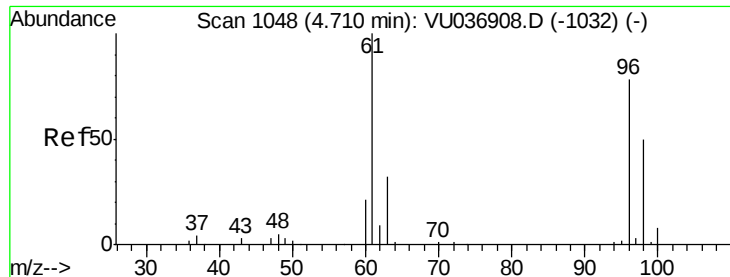


Abundance Ion 63.00 (62.70 to 63.70): VU036925.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036925.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036925.D (-707) (-)

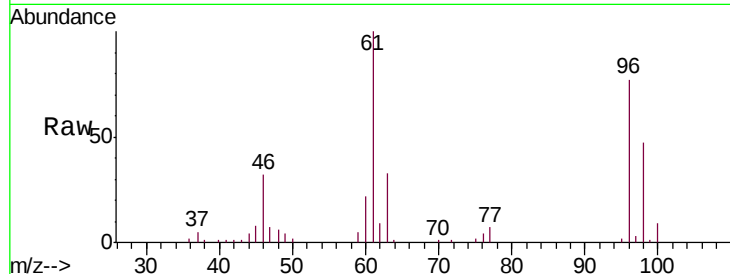




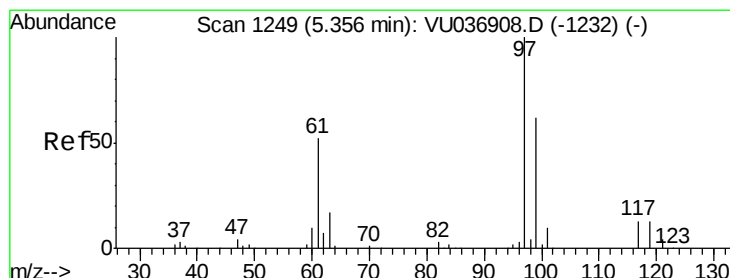
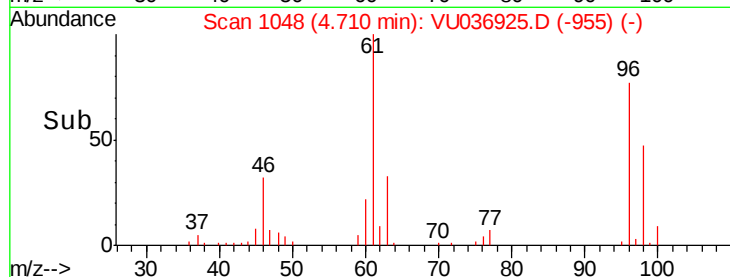
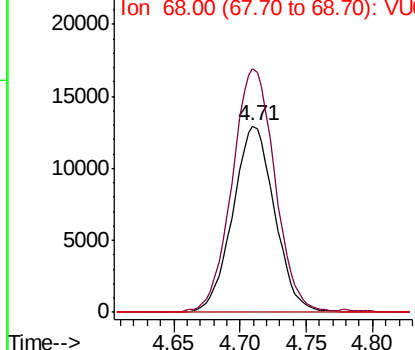
#20
 cis-1,2-Dichloroethene
 Concen: 14.950 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036925.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT3

Tgt Ion: 96 Resp: 28427
 Ion Ratio Lower Upper
 96 100
 61 130.6 93.1 172.9
 68 0.0 0.0 0.0

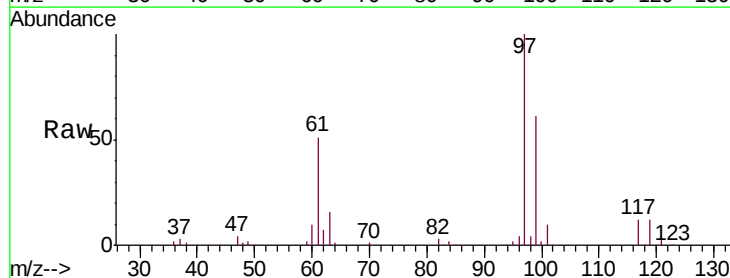


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

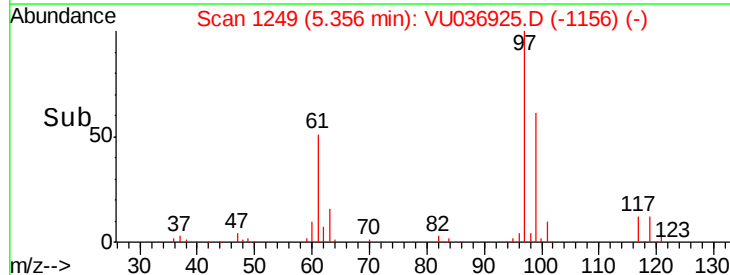
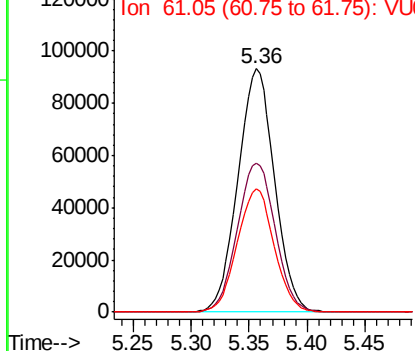


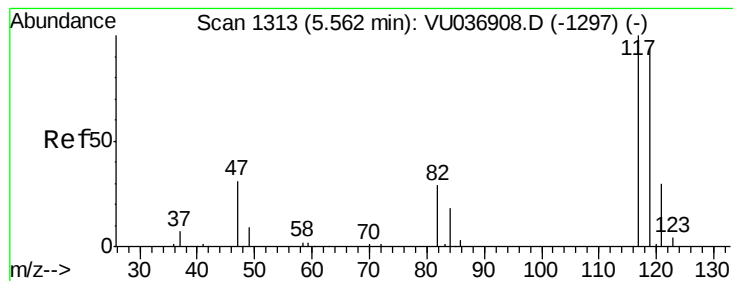
#30
 1,1,1-Trichloroethane
 Concen: 83.036 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036925.D
 Acq: 26 Feb 2020 19:06

Tgt Ion: 97 Resp: 205523
 Ion Ratio Lower Upper
 97 100
 99 63.3 50.4 75.6
 61 50.8 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 13.614 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.21 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_U

ClientSampled :

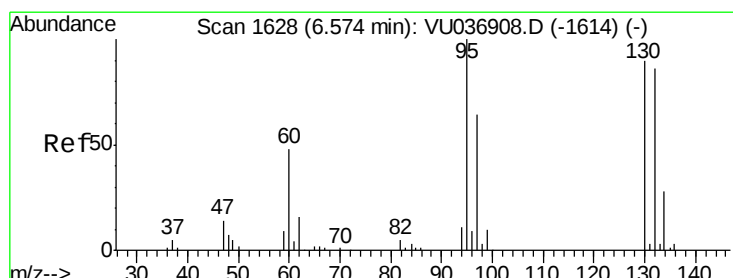
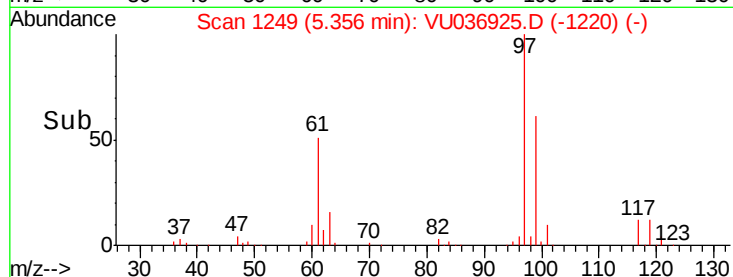
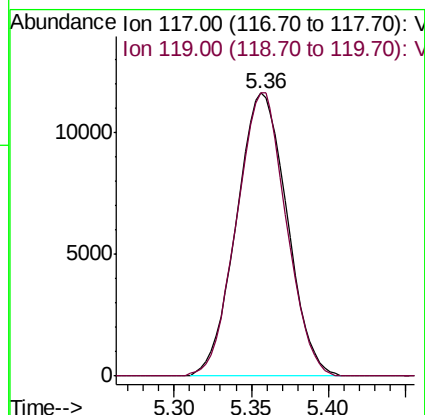
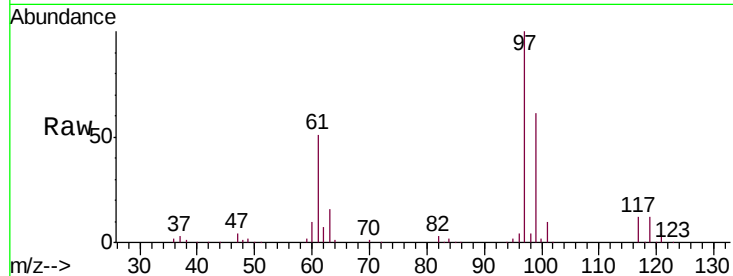
C0AT3

Tgt Ion:117 Resp: 26412

Ion Ratio Lower Upper

117 100

119 97.8 77.2 115.8



#34

Trichloroethene

Concen: 509.370 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

Tgt Ion: 95 Resp: 913050

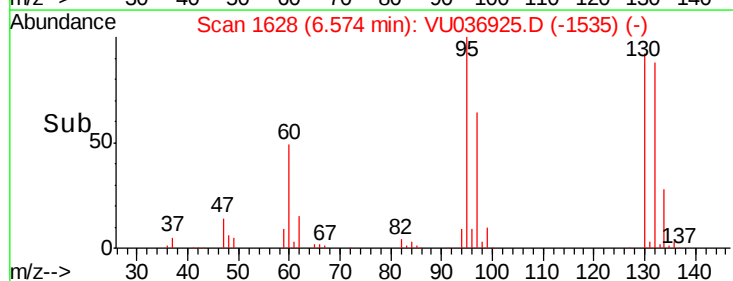
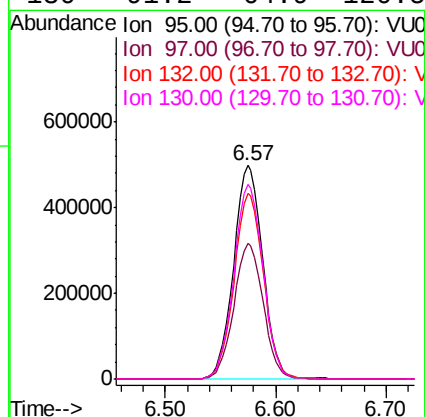
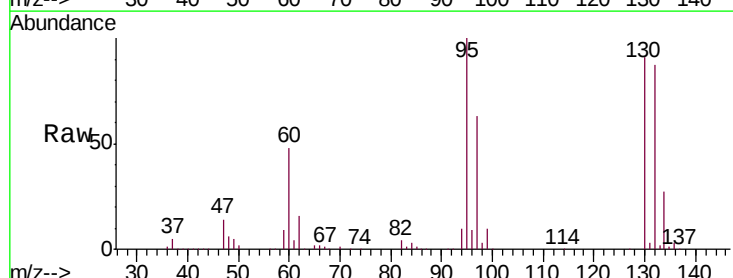
Ion Ratio Lower Upper

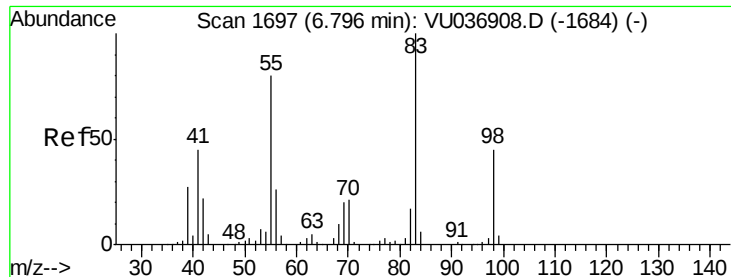
95 100

97 63.4 44.1 81.9

132 87.2 60.6 112.6

130 91.2 64.9 120.5





#35

Methylcyclohexane

Concen: 7.740 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

C0AT3

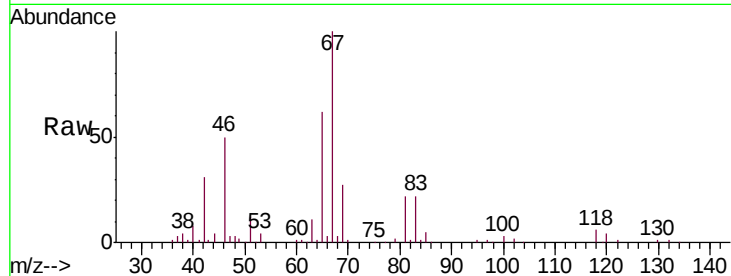
Tgt Ion: 83 Resp: 24056

Ion Ratio Lower Upper

83 100

55 0.0 62.6 93.8#

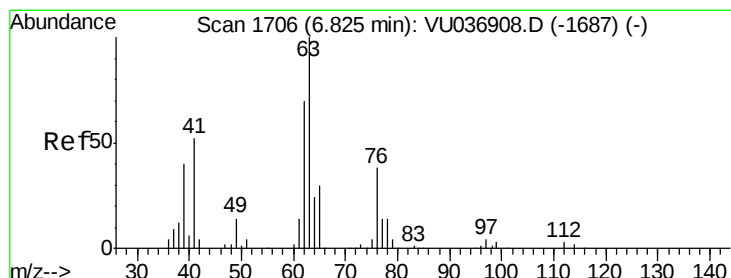
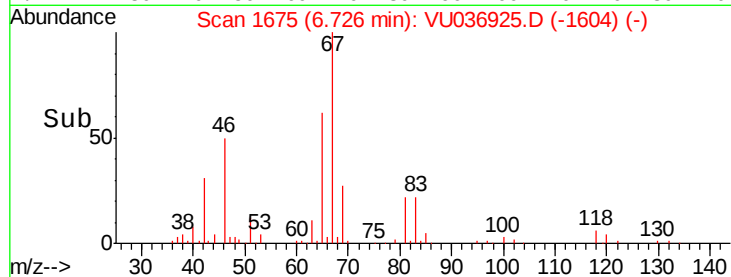
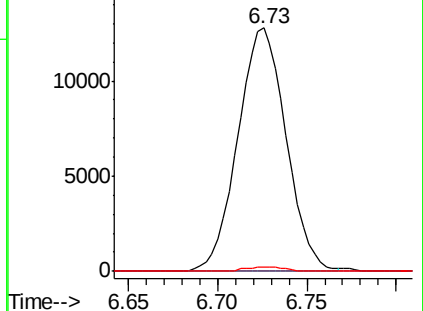
98 1.4 35.1 52.7#



Abundance Ion 83.00 (82.70 to 83.70): VU036925.D (-1675) (-)

Ion 55.00 (54.70 to 55.70): VU036925.D (-1675) (-)

Ion 98.00 (97.70 to 98.70): VU036925.D (-1675) (-)



#37

1,2-Dichloropropane

Concen: 6.124 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU036925.D

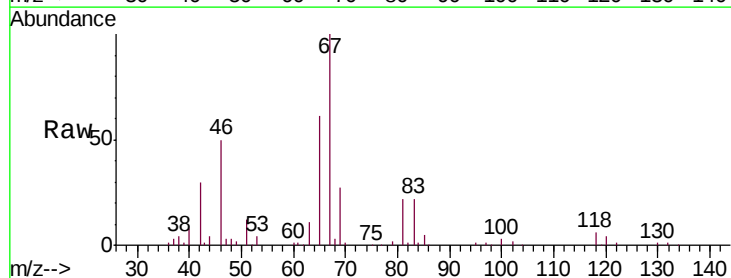
Acq: 26 Feb 2020 19:06

Tgt Ion: 63 Resp: 12025

Ion Ratio Lower Upper

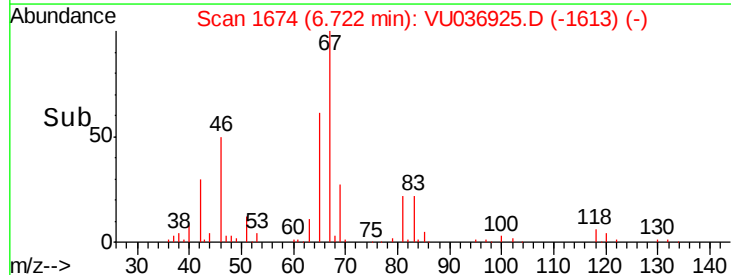
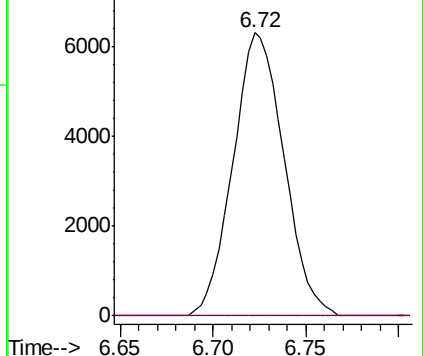
63 100

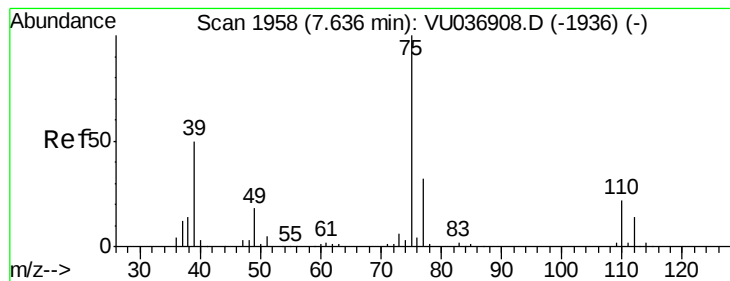
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU036925.D (-1674) (-)

Ion 112.00 (111.70 to 112.70): VU036925.D (-1674) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.956 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU036925.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

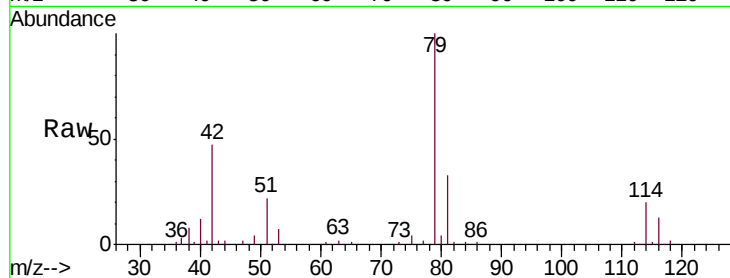
C0AT3

Tgt Ion: 75 Resp: 2892

Ion Ratio Lower Upper

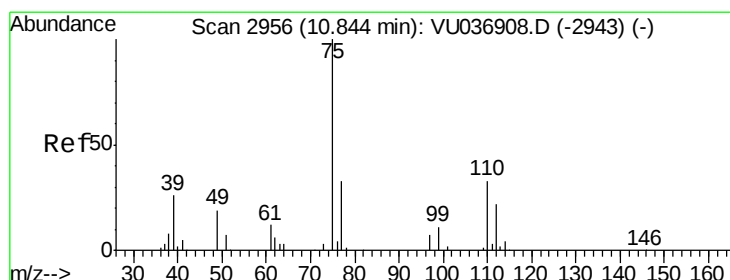
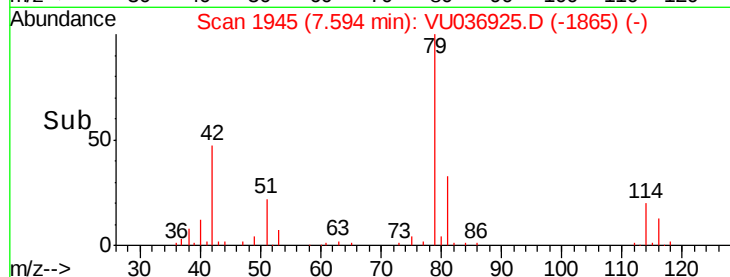
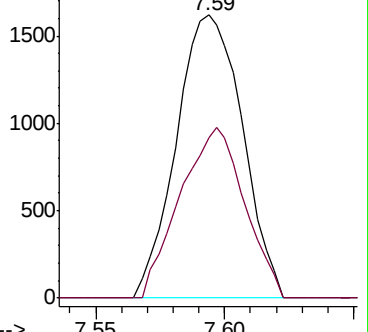
75 100

77 56.9 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU036908.D (-1936) (-)

Ion 77.00 (76.70 to 77.70): VU036908.D (-1936) (-)



#59

1,2,3-Trichloropropane

Concen: 5.177 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036925.D

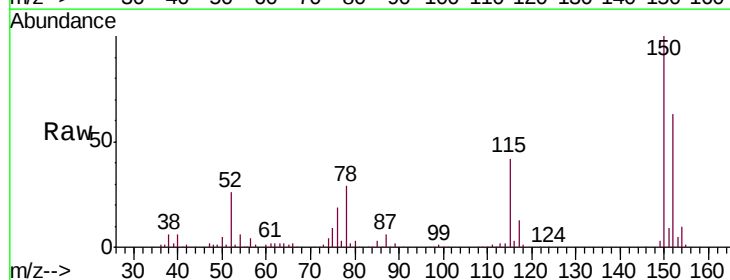
Acq: 26 Feb 2020 19:06

Tgt Ion: 75 Resp: 13077

Ion Ratio Lower Upper

75 100

77 35.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036908.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036908.D (-2943) (-)

