

Data File : VU036944.D
Acq On : 27 Feb 2020 15:25
Operator : JC/MD
Sample : L1687-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AS6

Quant Time: Feb 27 22:04:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 22:00:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	254232	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	239962	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	90151	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78785	36.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.80%
7) Chloroethane-d5	1.93	69	75876	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.90%
11) 1,1-Dichloroethene-d2	2.59	63	108690	30.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.80%
21) 2-Butanone-d5	4.67	46	142788	99.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.71%
24) Chloroform-d	5.11	84	149526	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.74	65	104118	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
32) Benzene-d6	5.76	84	323072	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	6.72	67	107475	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.62%
41) Toluene-d8	7.93	98	286539	44.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.02%
43) trans-1,3-Dichloropropene-	8.20	79	45817	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
47) 2-Hexanone-d5	8.66	63	105308	95.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	152672	48.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.34%
64) 1,2-Dichlorobenzene-d4	12.21	152	88322	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%

Target Compounds

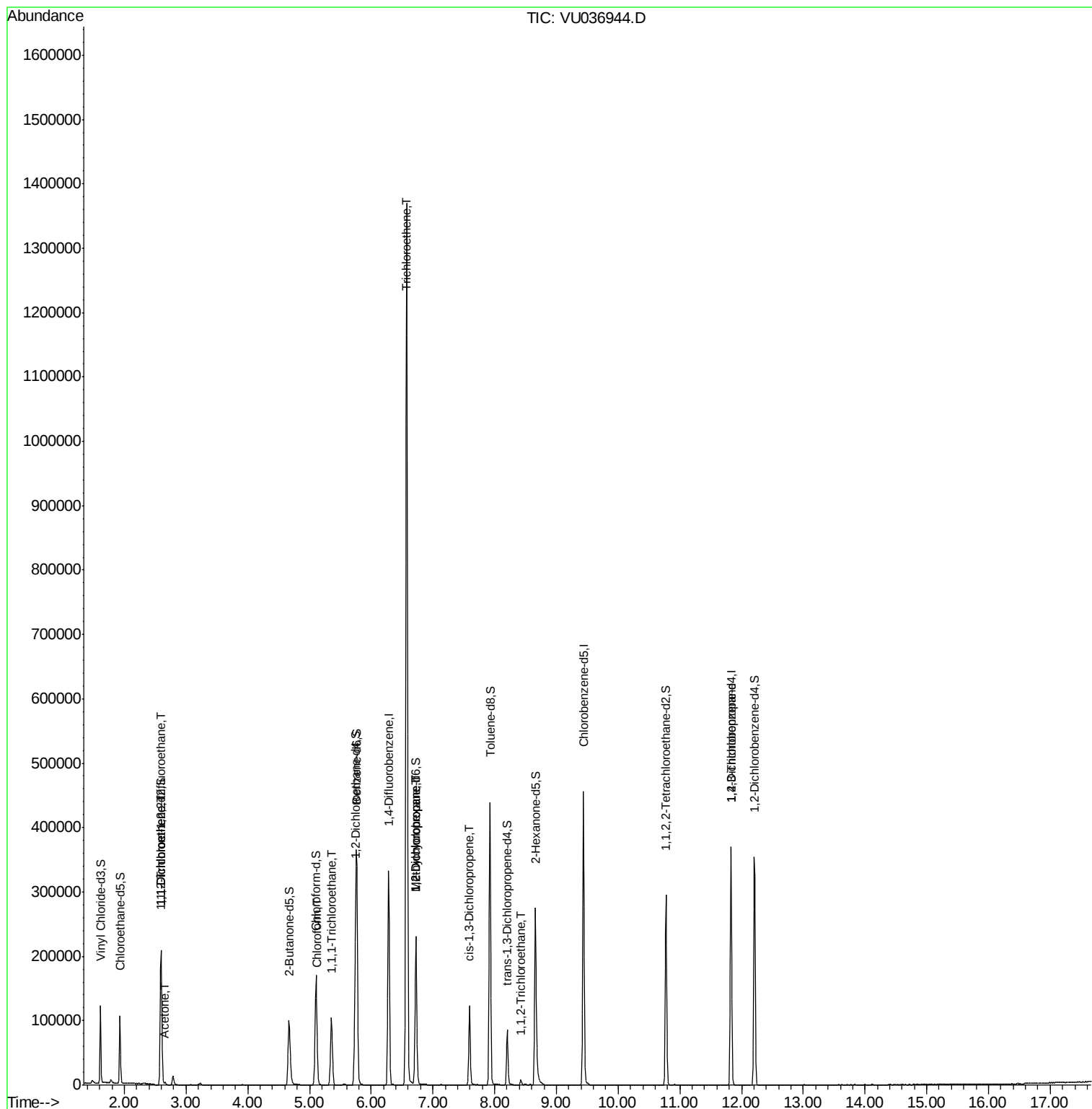
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	21625	13.320	ug/L	97
12) 1,1-Dichloroethene	2.60	96	1978	1.205	ug/L #	1
13) Acetone	2.66	43	4312	2.927	ug/L	97
25) Chloroform	5.13	83	5993	1.812	ug/L	95
30) 1,1,1-Trichloroethane	5.36	97	71774	27.898	ug/L	99
34) Trichloroethene	6.57	95	469971	252.235	ug/L	99
35) Methylcyclohexane	6.73	83	23320	7.219	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12014	5.886	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3085	0.981	ug/L #	54
45) 1,1,2-Trichloroethane	8.42	97	2609	1.437	ug/L	93
59) 1,2,3-Trichloropropane	11.83	75	13656	5.201	ug/L	89

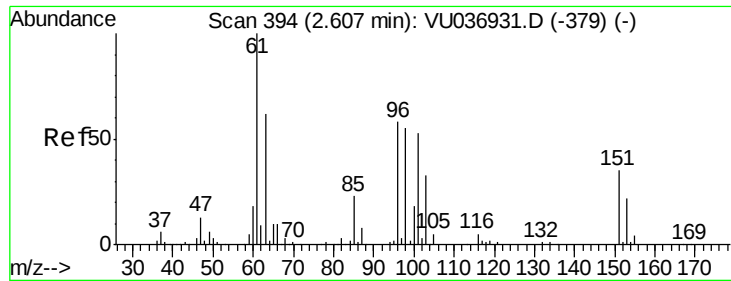
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 13.320 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

Instrument :

MSVOA_U

ClientSampleId :

C0AS6

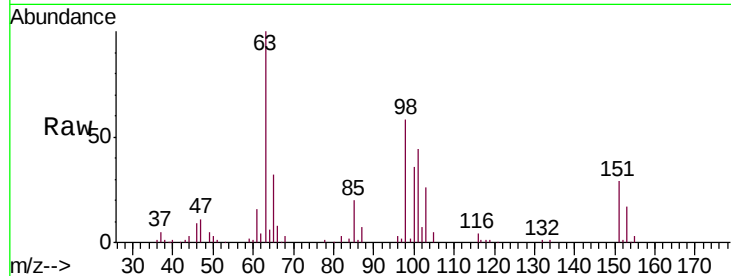
Tgt Ion:101 Resp: 21625

Ion Ratio Lower Upper

101 100

85 42.9 36.4 54.6

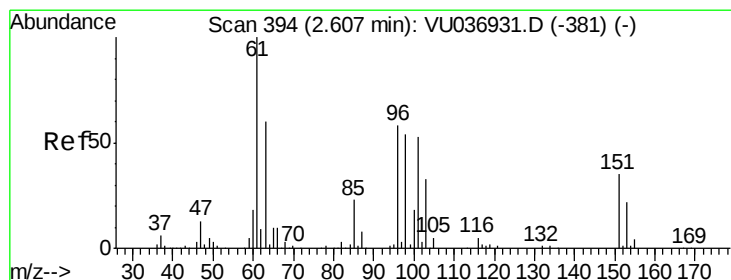
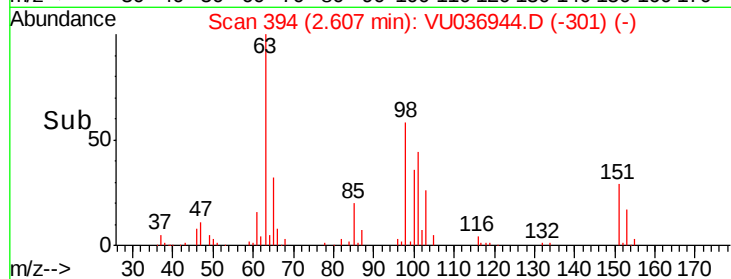
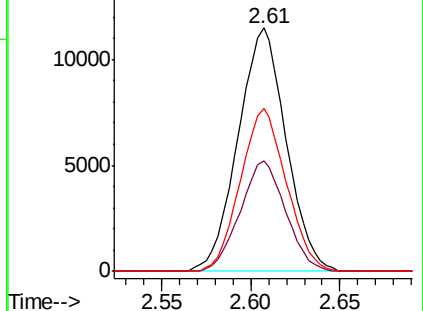
151 64.1 52.4 78.6



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: 1.205 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

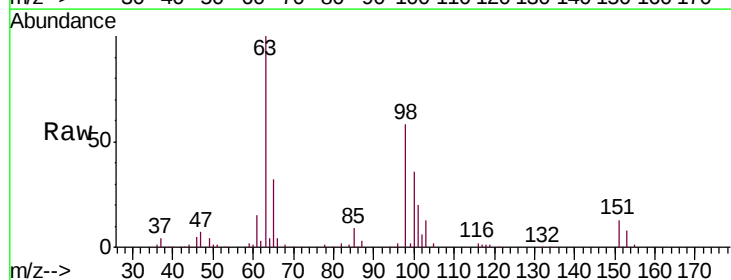
Tgt Ion: 96 Resp: 1978

Ion Ratio Lower Upper

96 100

61 698.3 127.5 236.7#

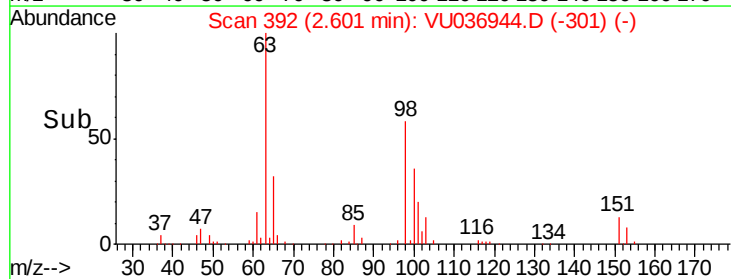
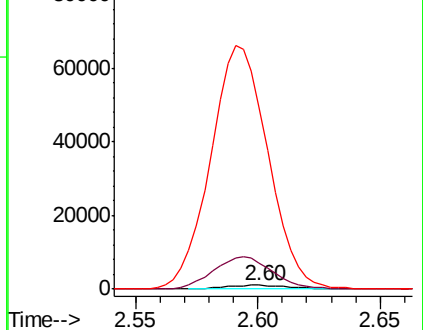
63 4771.4 101.4 188.2#

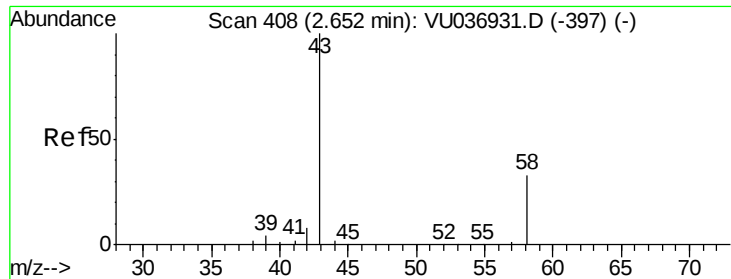


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

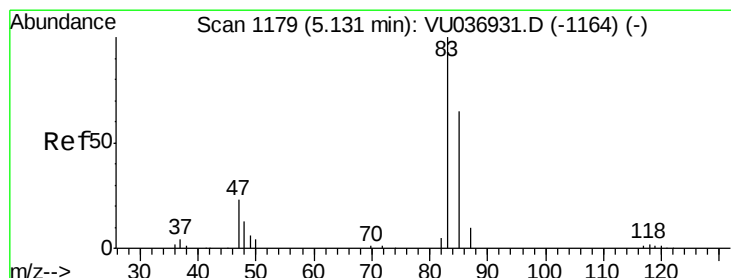
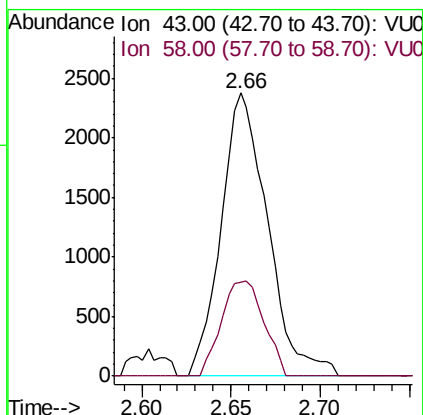
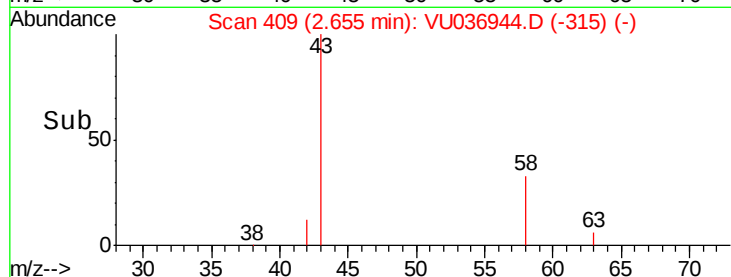
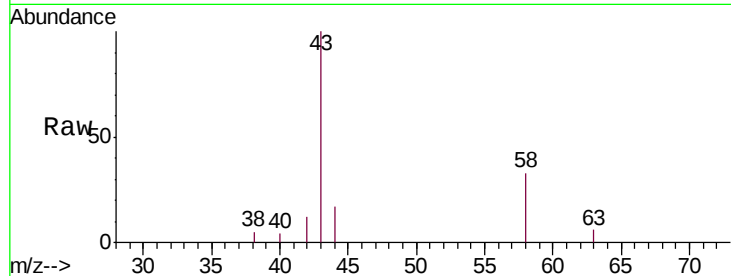




#13
Acetone
Concen: 2.927 ug/L
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU036944.D
Acq: 27 Feb 2020 15:25

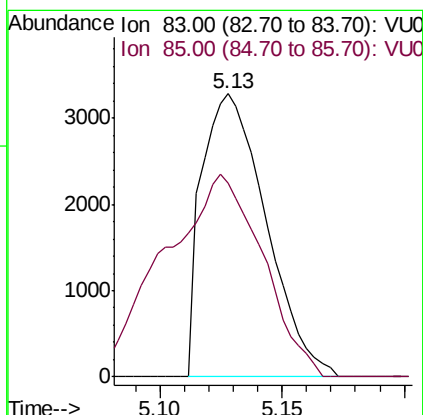
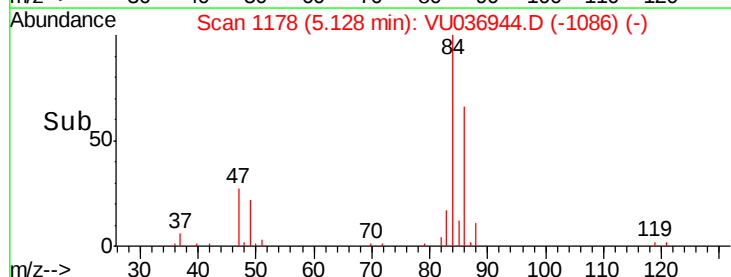
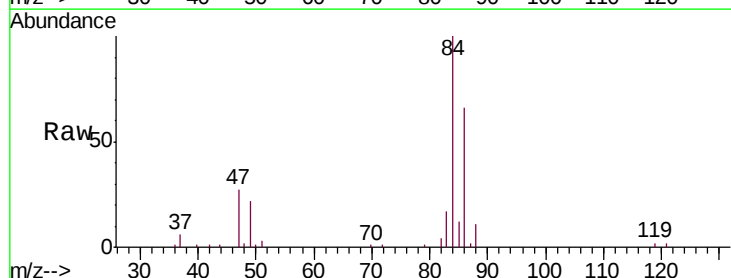
Instrument :
MSVOA_U
ClientSampleId :
C0AS6

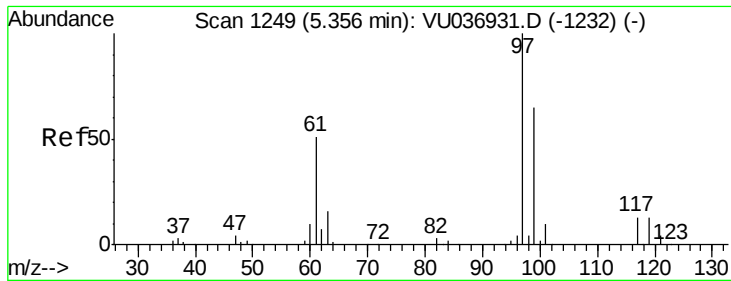
Tgt Ion: 43 Resp: 4312
Ion Ratio Lower Upper
43 100
58 30.6 0.0 64.6



#25
Chloroform
Concen: 1.812 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036944.D
Acq: 27 Feb 2020 15:25

Tgt Ion: 83 Resp: 5993
Ion Ratio Lower Upper
83 100
85 68.3 45.1 83.9





#30

1,1,1-Trichloroethane

Concen: 27.898 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

Instrument :

MSVOA_U

ClientSampleId :

C0AS6

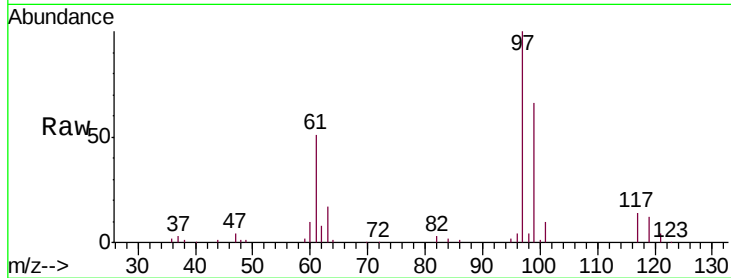
Tgt Ion: 97 Resp: 71774

Ion Ratio Lower Upper

97 100

99 63.9 50.4 75.6

61 51.3 40.3 60.5

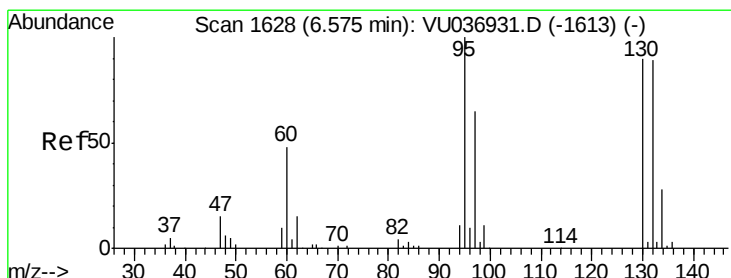
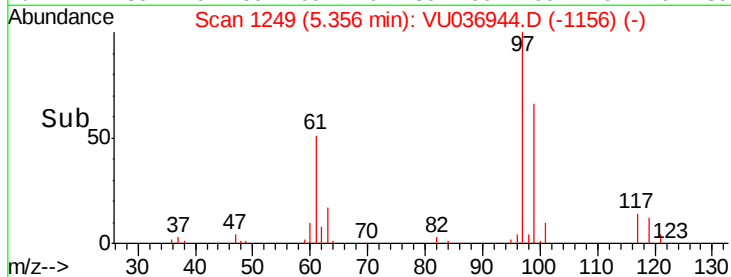
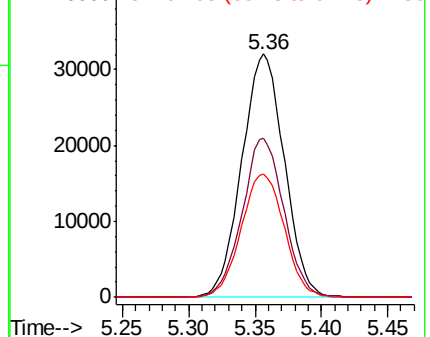


Abundance

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



#34

Trichloroethene

Concen: 252.235 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

Tgt Ion: 95 Resp: 469971

Ion Ratio Lower Upper

95 100

97 64.2 44.1 81.9

132 87.5 60.6 112.6

130 92.2 64.9 120.5

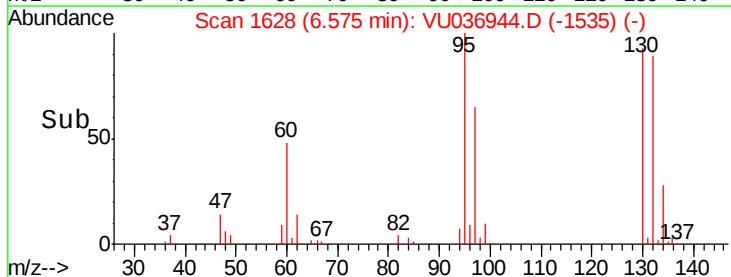
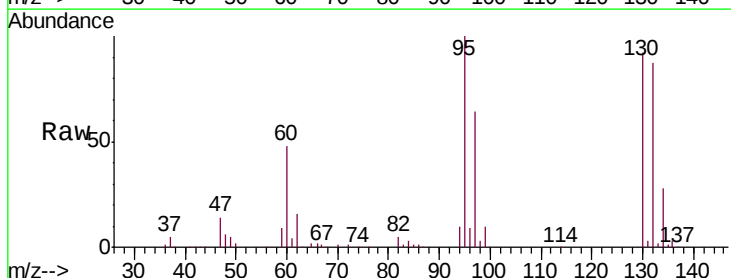
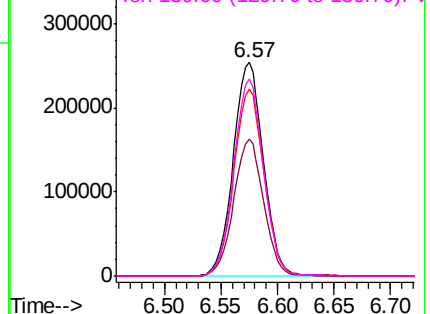
Abundance

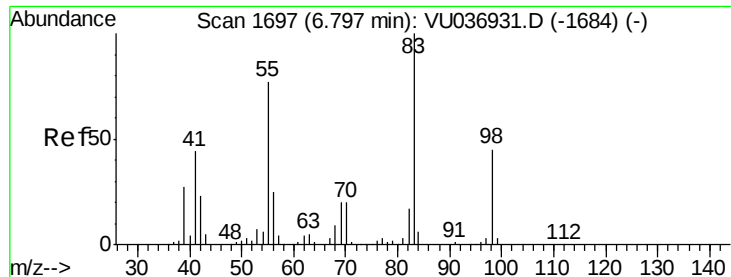
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

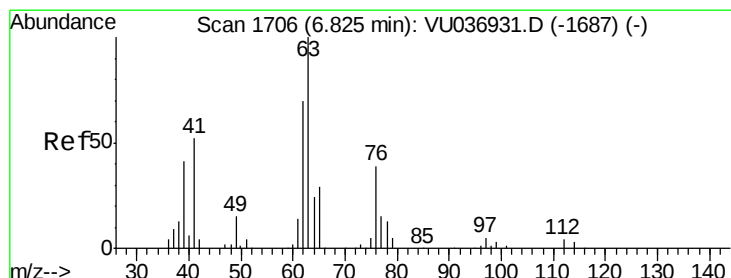
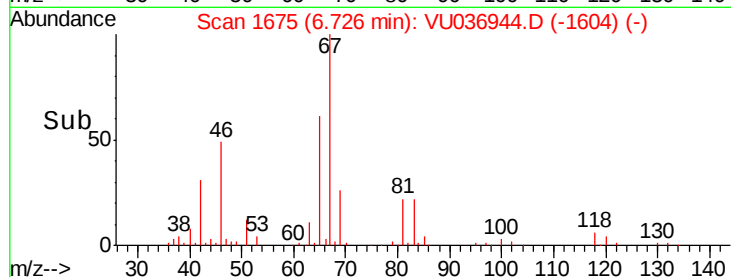
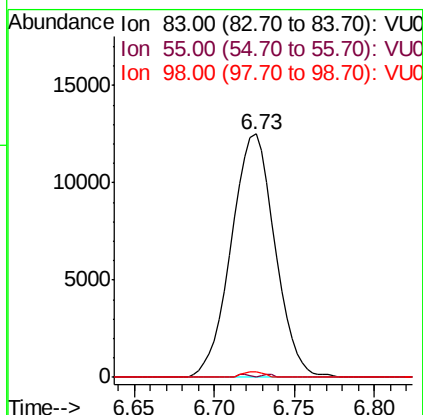
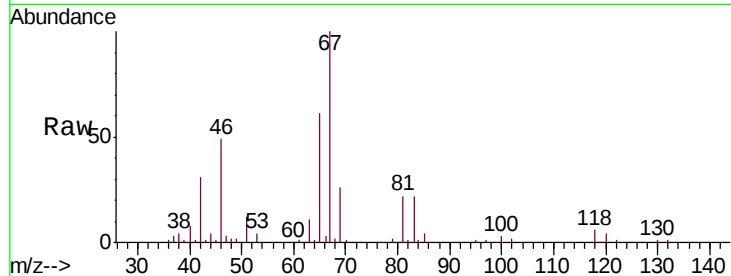




#35
Methylcyclohexane
Concen: 7.219 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036944.D
Acq: 27 Feb 2020 15:25

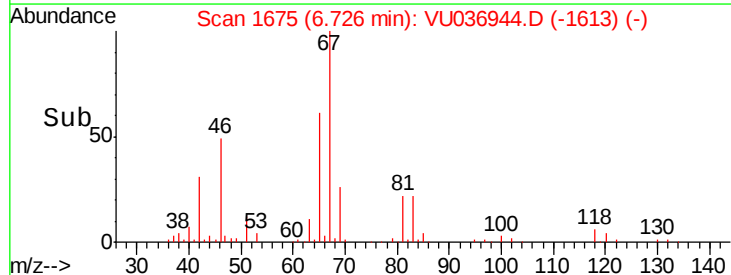
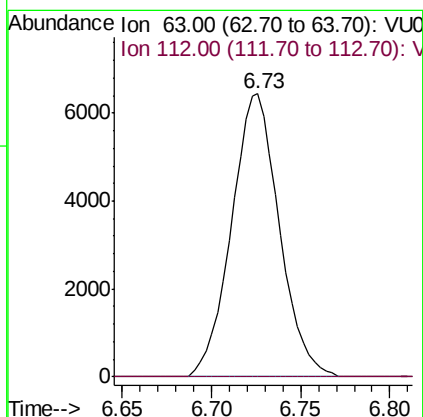
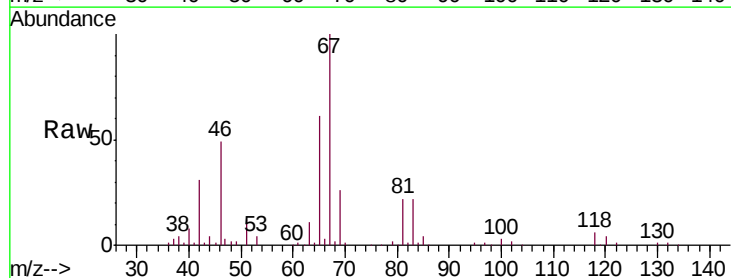
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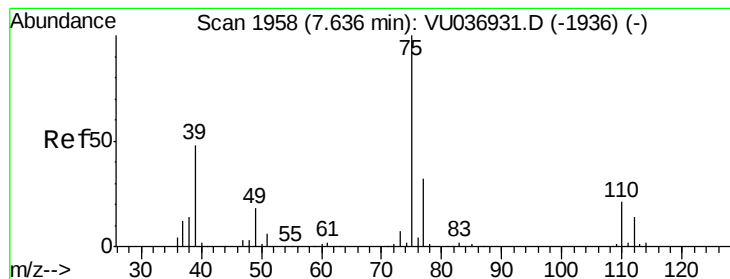
Tgt Ion: 83 Resp: 23320
Ion Ratio Lower Upper
83 100
55 0.3 62.6 93.8#
98 1.0 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 5.886 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU036944.D
Acq: 27 Feb 2020 15:25

Tgt Ion: 63 Resp: 12014
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.981 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

Instrument :

MSVOA_U

ClientSampleId :

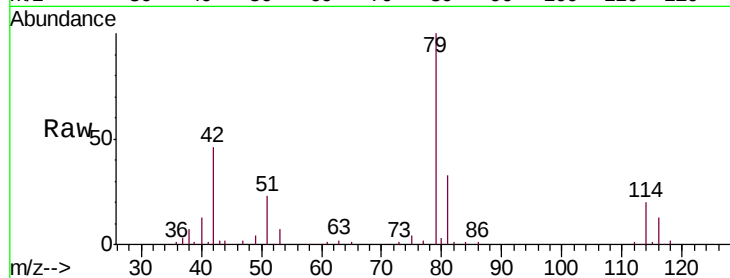
C0AS6

Tgt Ion: 75 Resp: 3085

Ion Ratio Lower Upper

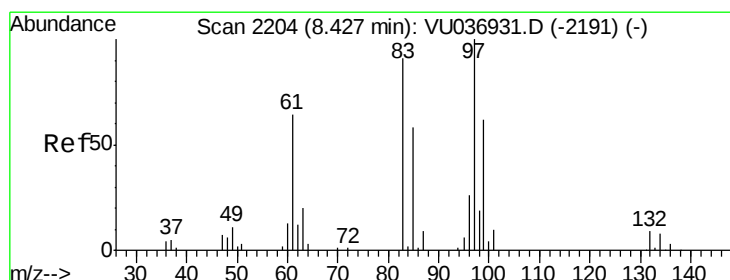
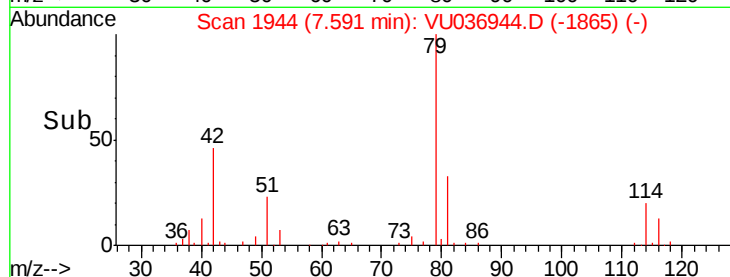
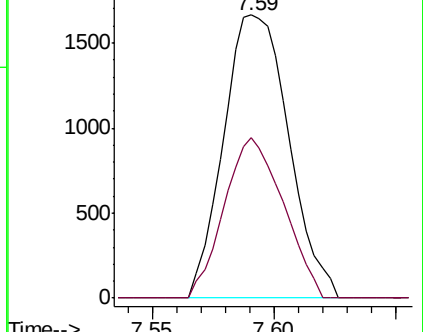
75 100

77 56.7 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU036931.D (-1936) (-)

Ion 77.00 (76.70 to 77.70): VU036931.D (-1936) (-)



#45

1,1,2-Trichloroethane

Concen: 1.437 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

Tgt Ion: 97 Resp: 2609

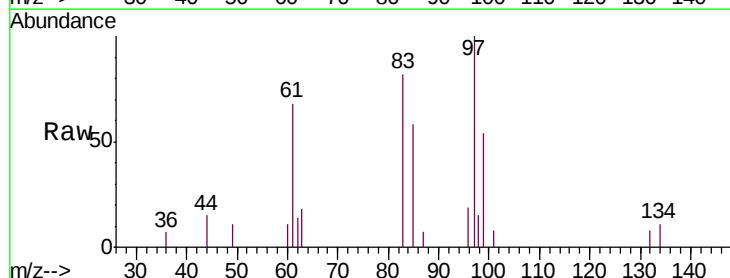
Ion Ratio Lower Upper

97 100

99 53.7 43.6 81.0

83 81.9 62.7 116.5

85 57.7 40.3 74.9

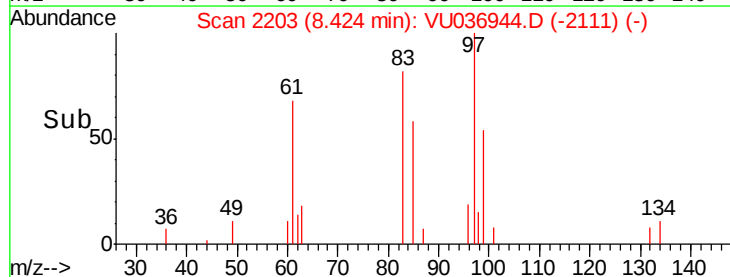
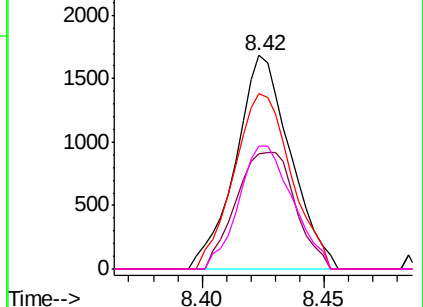


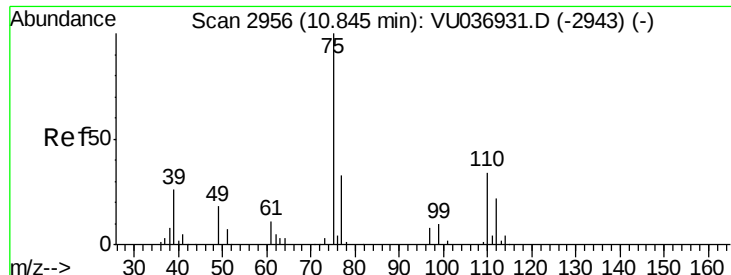
Abundance Ion 97.00 (96.70 to 97.70): VU036931.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU036931.D (-2191) (-)

Ion 83.00 (82.70 to 83.70): VU036931.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU036931.D (-2191) (-)





#59

1,2,3-Trichloropropane

Concen: 5.201 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036944.D

Acq: 27 Feb 2020 15:25

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MSVOA_U

ClientSampleId :

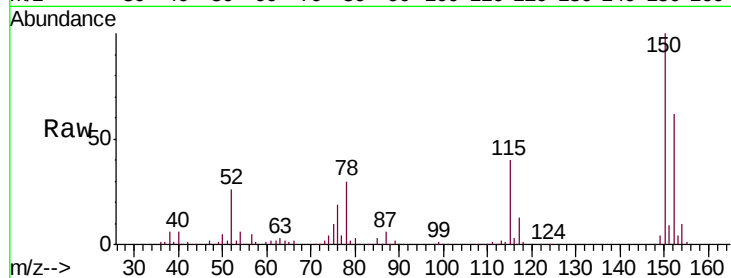
C0AS6

Tgt Ion: 75 Resp: 13656

Ion Ratio Lower Upper

75 100

77 38.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

