

Data File : VU036950.D
Acq On : 27 Feb 2020 18:05
Operator : JC/MD
Sample : L1686-05MS 20X
Misc : 7.31g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAW03MS

Quant Time: Feb 27 22:05:08 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	260288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247449	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	95609	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	74945	34.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.58%
7) Chloroethane-d5	1.92	69	73363	40.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.12%
11) 1,1-Dichloroethene-d2	2.59	63	144954	39.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.20%
21) 2-Butanone-d5	4.67	46	149477	101.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.95%
24) Chloroform-d	5.10	84	147830	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
26) 1,2-Dichloroethane-d4	5.74	65	103853	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
32) Benzene-d6	5.76	84	316841	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.56%
36) 1,2-Dichloropropane-d6	6.72	67	106535	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.90%
41) Toluene-d8	7.92	98	288075	43.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.78%
43) trans-1,3-Dichloropropene-	8.20	79	45705	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.84%
47) 2-Hexanone-d5	8.66	63	113401	100.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	154794	47.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.72%
64) 1,2-Dichlorobenzene-d4	12.21	152	88472	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

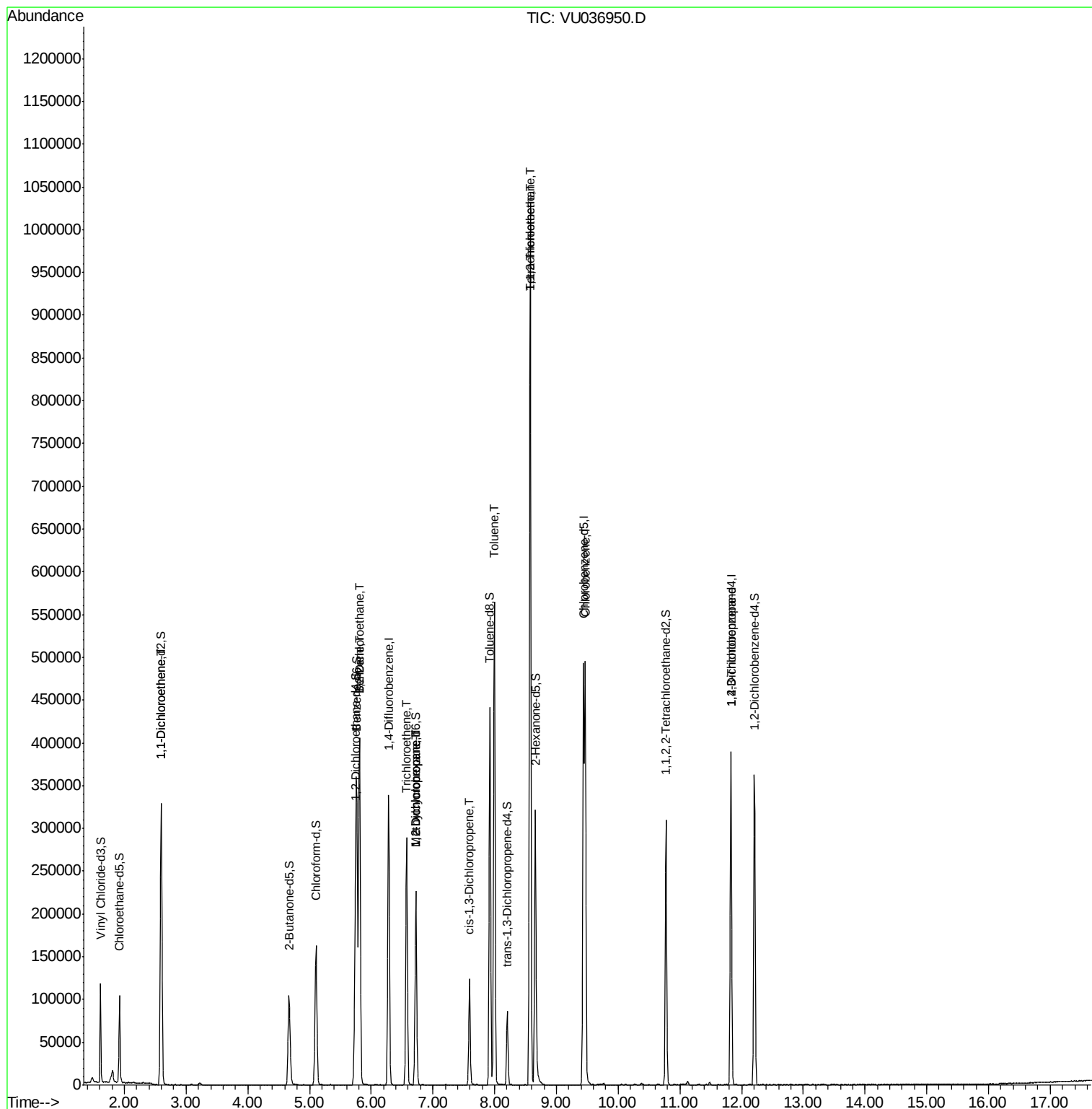
					Qvalue
12) 1,1-Dichloroethene	2.60	96	74918	44.562 ug/L	88
27) 1,2-Dichloroethane	5.81	62	3333	1.209 ug/L #	75
33) Benzene	5.81	78	372975	47.712 ug/L	100
34) Trichloroethene	6.57	95	98831	51.438 ug/L	97
35) Methylcyclohexane	6.72	83	23628	7.093 ug/L #	19
37) 1,2-Dichloropropane	6.72	63	11270	5.354 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2567	0.792 ug/L #	75
42) Toluene	8.00	91	402536	48.333 ug/L	99
45) 1,1,2-Trichloroethane	8.57	97	2103	1.124 ug/L #	1
46) Tetrachloroethene	8.57	164	208361	164.617 ug/L	99
51) Chlorobenzene	9.47	112	239685	48.571 ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	14370	5.307 ug/L	92

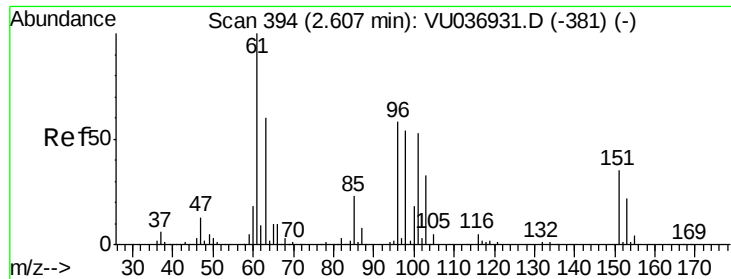
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 44.562 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036950.D

Acq: 27 Feb 2020 18:05

Instrument :

MSVOA_U

ClientSampleId :

GAW03MS

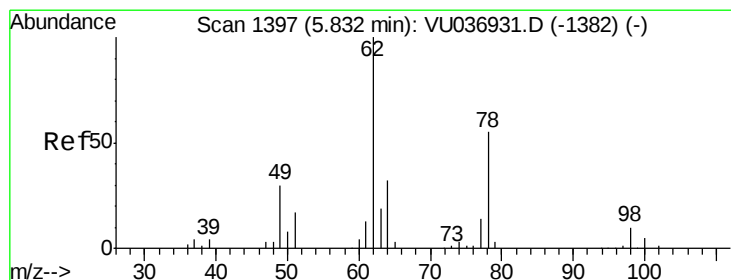
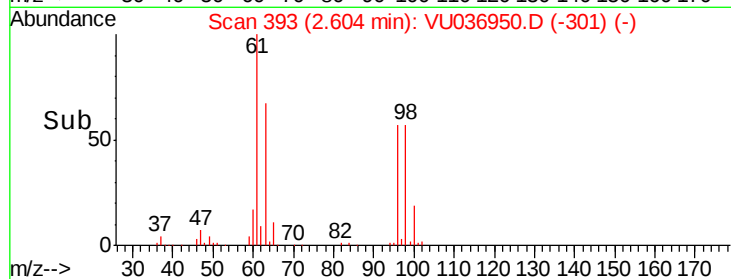
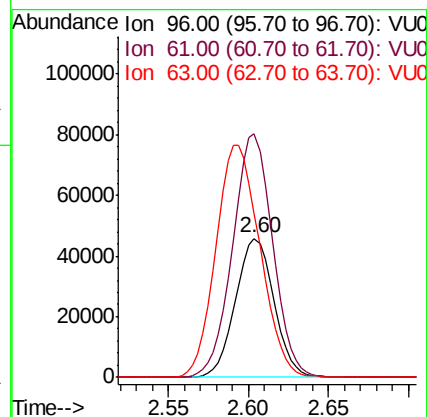
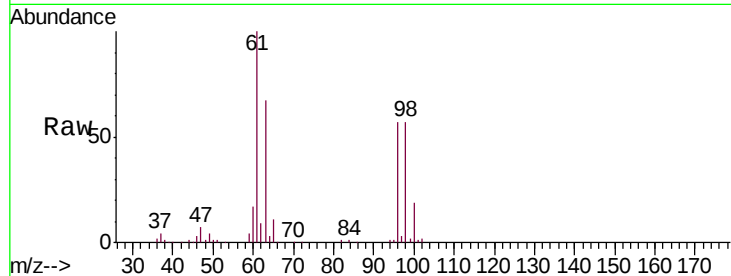
Tgt Ion: 96 Resp: 74918

Ion Ratio Lower Upper

96 100

61 174.9 127.5 236.7

63 117.8 101.4 188.2



#27

1,2-Dichloroethane

Concen: 1.209 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. -0.02 min

Lab File: VU036950.D

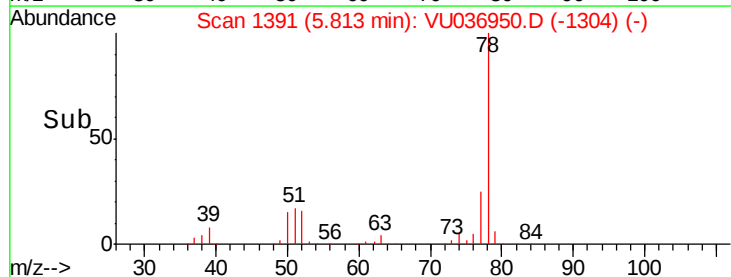
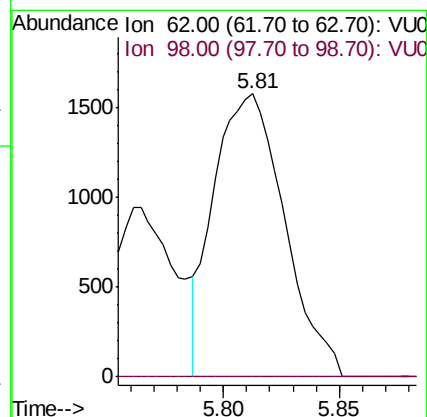
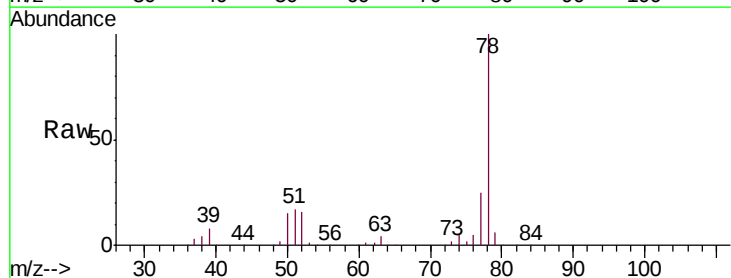
Acq: 27 Feb 2020 18:05

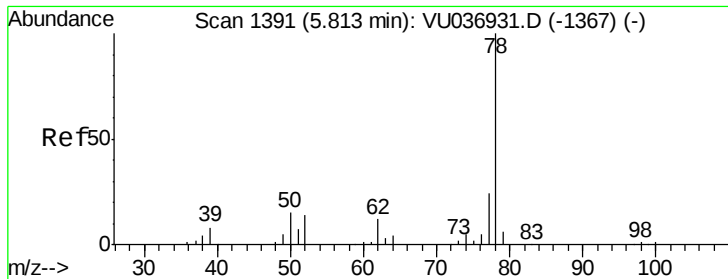
Tgt Ion: 62 Resp: 3333

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#





#33

Benzene

Concen: 47.712 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU036950.D

Acq: 27 Feb 2020 18:05

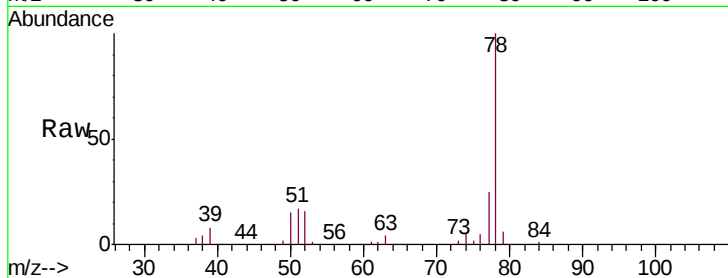
Instrument :

MSVOA_U

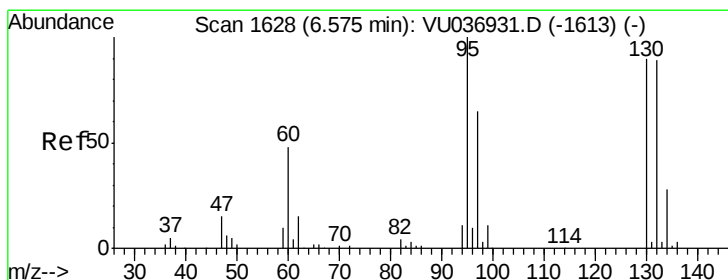
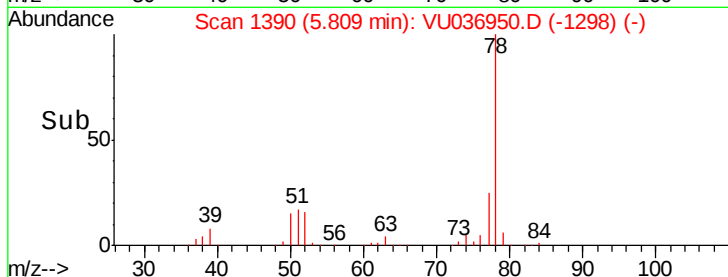
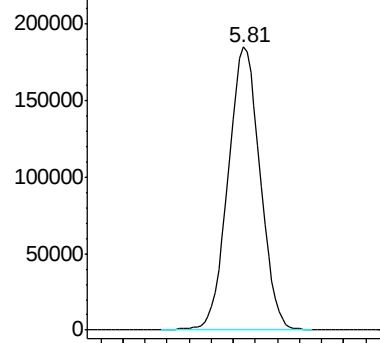
ClientSampleId :

GAW03MS

Tgt Ion: 78 Resp: 372975



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 51.438 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU036950.D

Acq: 27 Feb 2020 18:05

Tgt Ion: 95 Resp: 98831

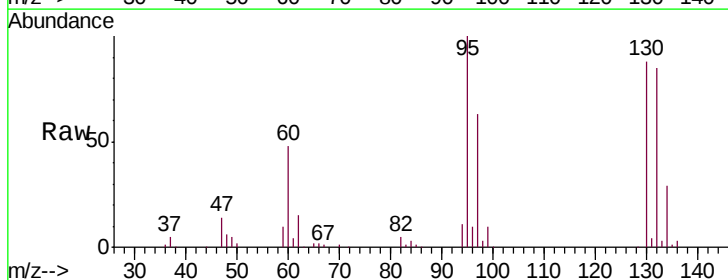
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.1	81.9
132	84.7	60.6	112.6
130	87.9	64.9	120.5

95 100

97 62.9 44.1 81.9

132 84.7 60.6 112.6

130 87.9 64.9 120.5

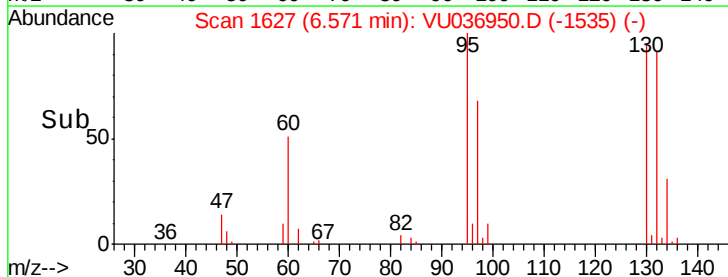
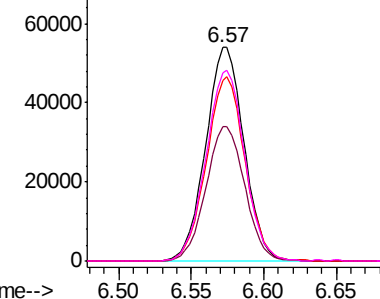


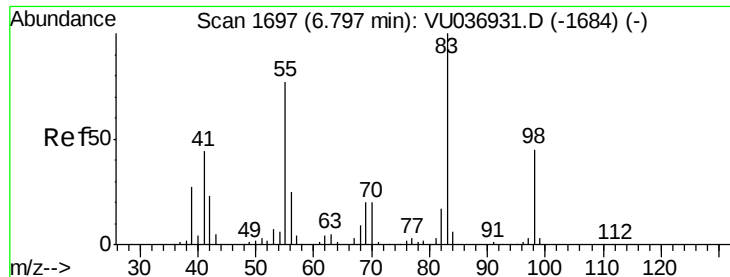
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

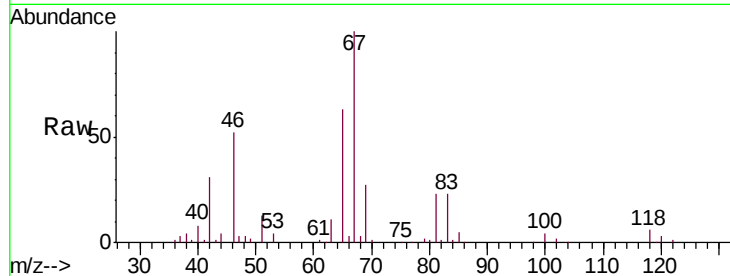




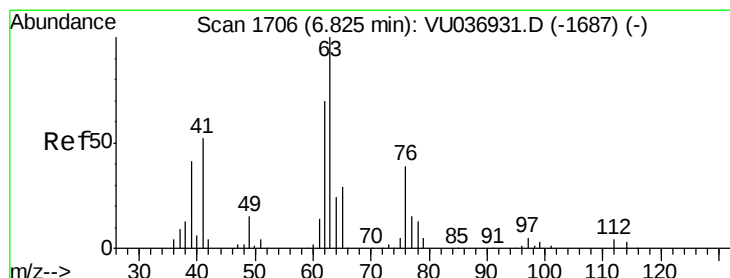
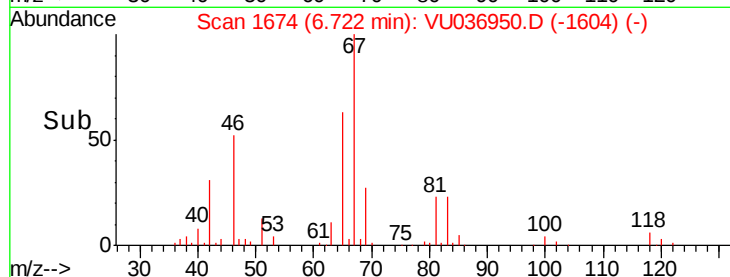
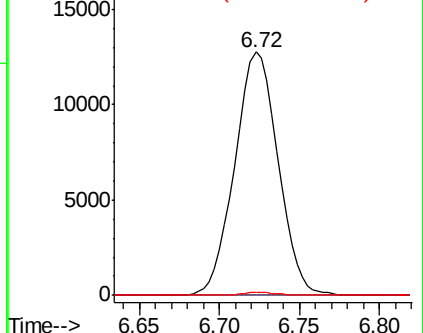
#35
Methylcyclohexane
Concen: 7.093 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU036950.D
Acq: 27 Feb 2020 18:05

Instrument :
MSVOA_U
ClientSampleId :
GAW03MS

Tgt Ion: 83 Resp: 23628
Ion Ratio Lower Upper
83 100
55 0.0 62.6 93.8#
98 0.8 35.1 52.7#

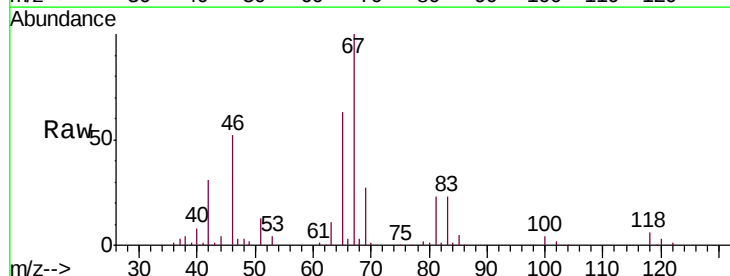


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

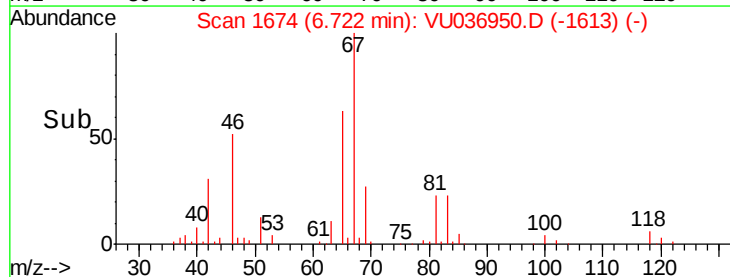
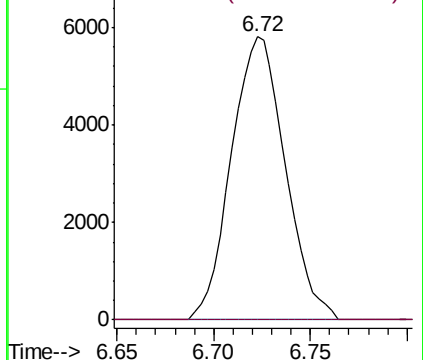


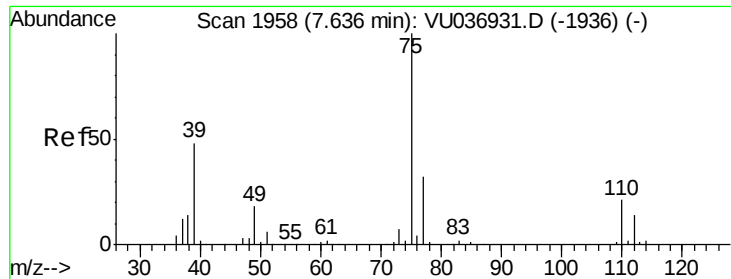
#37
1,2-Dichloropropane
Concen: 5.354 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU036950.D
Acq: 27 Feb 2020 18:05

Tgt Ion: 63 Resp: 11270
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

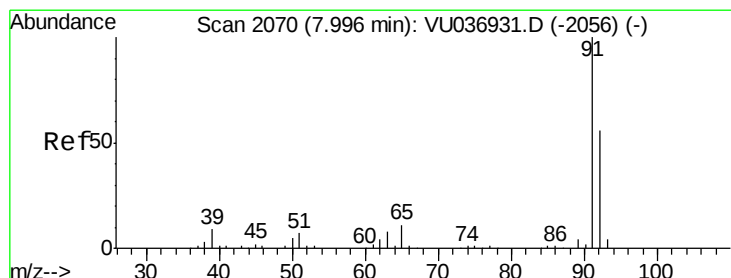
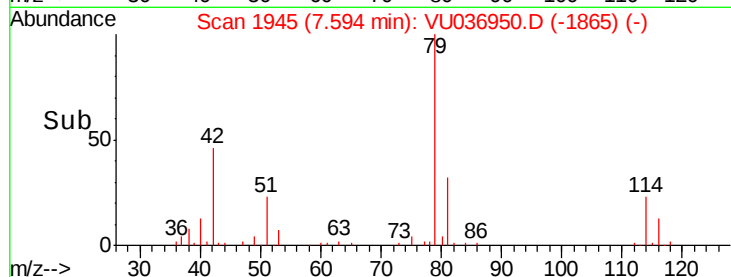
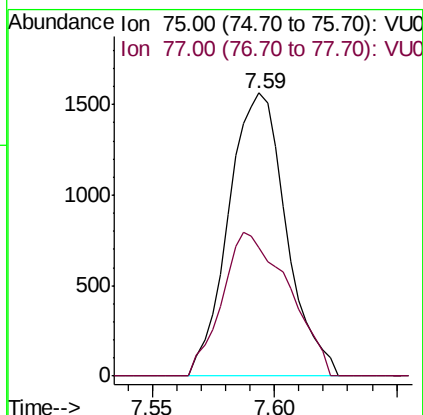
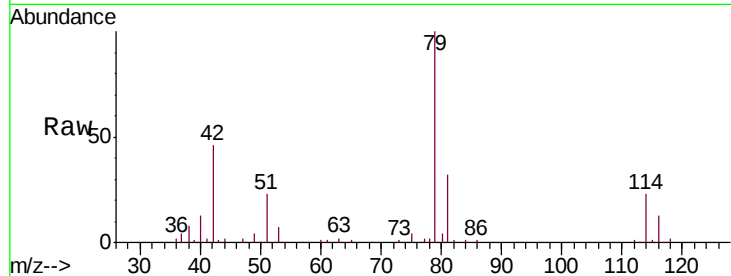




#39
 cis-1,3-Dichloropropene
 Concen: 0.792 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU036950.D
 Acq: 27 Feb 2020 18:05

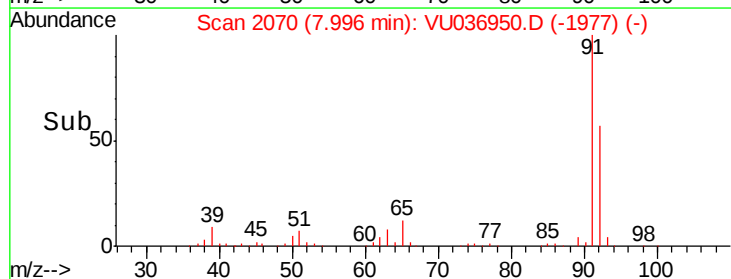
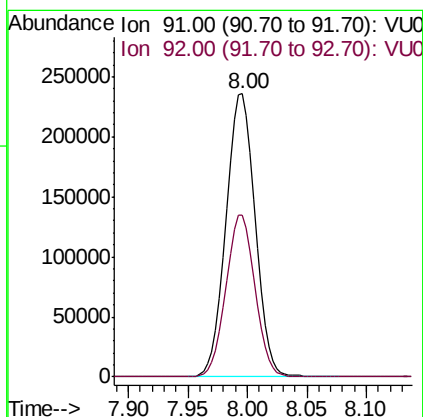
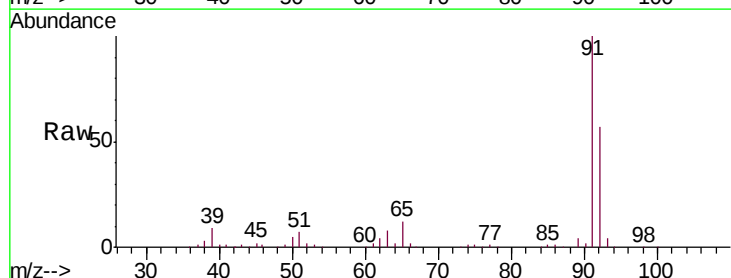
Instrument :
 MSVOA_U
 ClientSampleId :
 GAW03MS

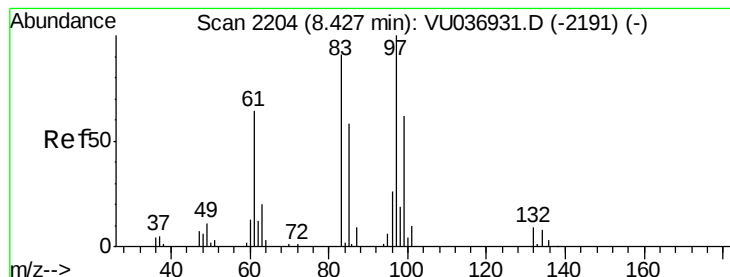
Tgt Ion: 75 Resp: 2567
 Ion Ratio Lower Upper
 75 100
 77 45.4 22.0 41.0#



#42
 Toluene
 Concen: 48.333 ug/L
 RT: 8.00 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VU036950.D
 Acq: 27 Feb 2020 18:05

Tgt Ion: 91 Resp: 402536
 Ion Ratio Lower Upper
 91 100
 92 57.3 39.4 73.2





#45

1,1,2-Trichloroethane

Concen: 1.124 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.15 min

Lab File: VU036950.D

Acq: 27 Feb 2020 18:05

Instrument :

MSVOA_U

ClientSampleId :

GAW03MS

Tgt Ion: 97 Resp: 2103

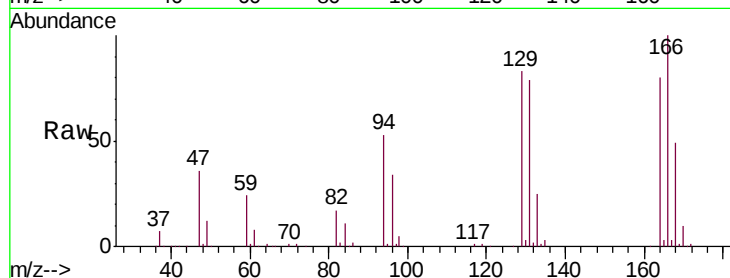
Ion Ratio Lower Upper

97 100

99 12.4 43.6 81.0#

83 263.9 62.7 116.5#

85 41.6 40.3 74.9

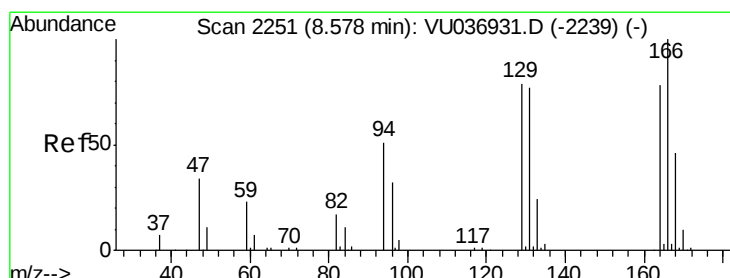
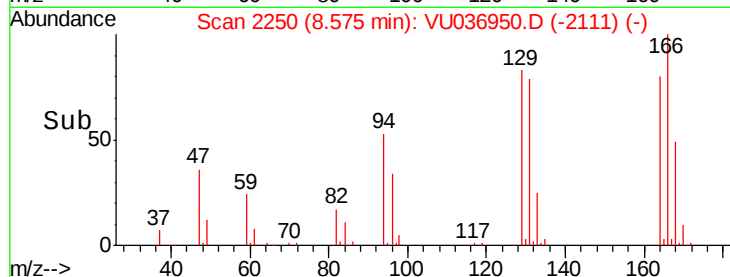
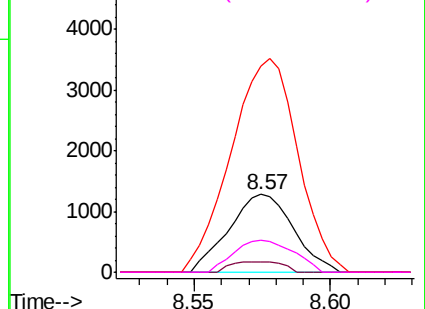


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 164.617 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU036950.D

Acq: 27 Feb 2020 18:05

Tgt Ion:164 Resp: 208361

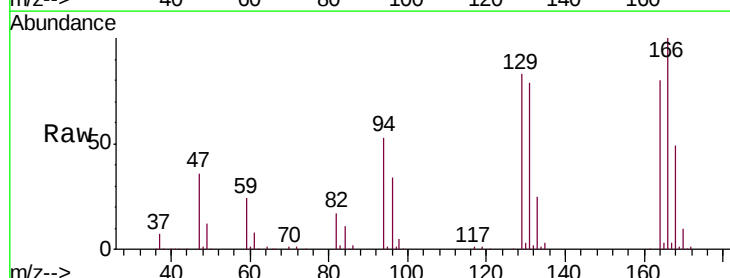
Ion Ratio Lower Upper

164 100

129 104.1 72.0 133.8

131 99.0 67.9 126.1

166 125.4 87.1 161.7

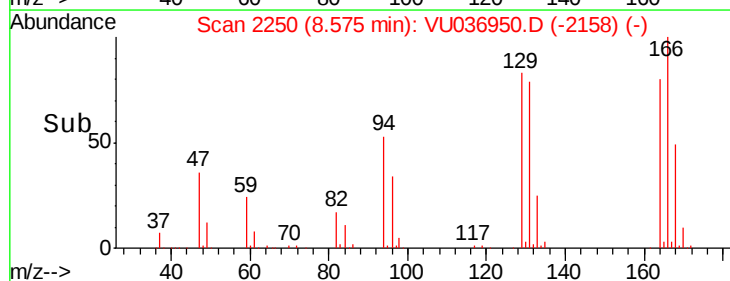
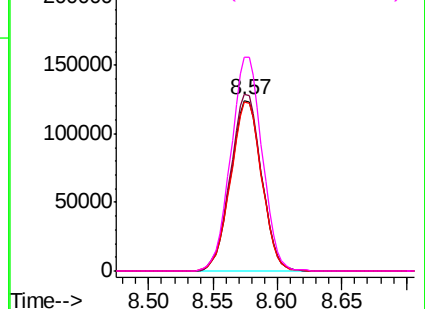


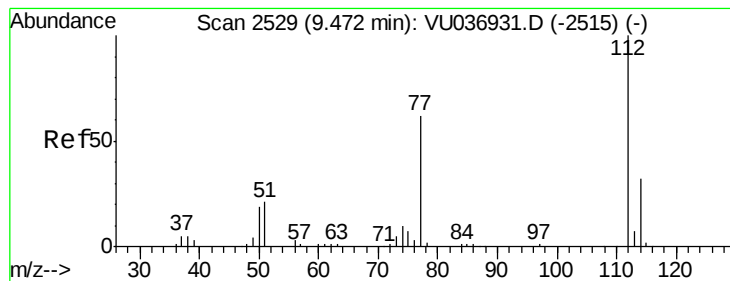
Abundance Ion 164.00 (163.70 to 164.70): V

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





#51

Chlorobenzene

Concen: 48.571 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU036950.D

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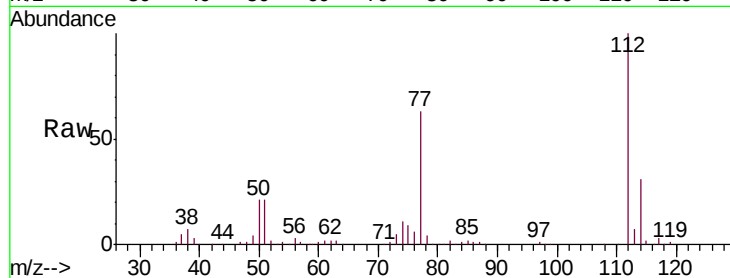
Tgt Ion: 112 Resp: 239685

Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

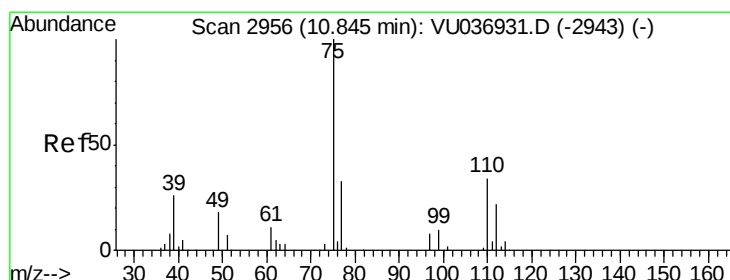
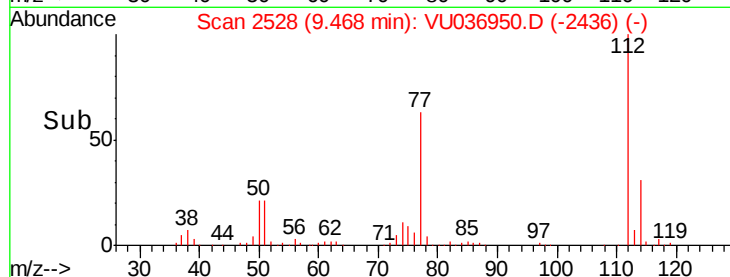
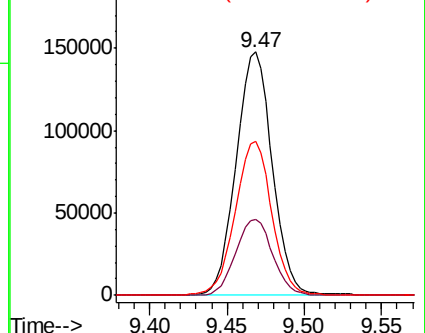
77 63.0 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 5.307 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036950.D

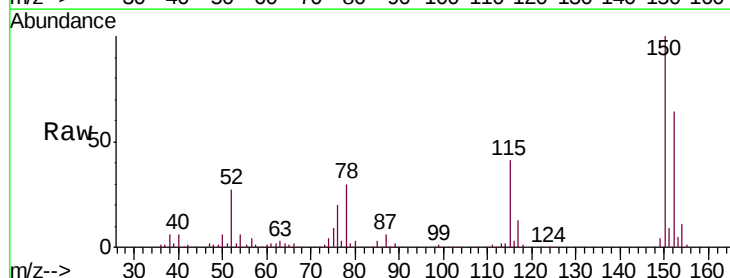
Acq: 27 Feb 2020 18:05

Tgt Ion: 75 Resp: 14370

Ion Ratio Lower Upper

75 100

77 37.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

