

Data File : VU036951.D
Acq On : 27 Feb 2020 18:28
Operator : JC/MD
Sample : L1686-06MSD 20X
Misc : 7.61g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAW03MSD

Quant Time: Feb 27 22:05:19 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	259765	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	250216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	95467	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76874	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.48%
7) Chloroethane-d5	1.92	69	74448	41.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.50%
11) 1,1-Dichloroethene-d2	2.59	63	146472	40.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.20%
21) 2-Butanone-d5	4.67	46	148893	101.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.75%
24) Chloroform-d	5.10	84	148797	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.34%
26) 1,2-Dichloroethane-d4	5.74	65	104529	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
32) Benzene-d6	5.76	84	324348	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
36) 1,2-Dichloropropane-d6	6.72	67	108512	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.58%
41) Toluene-d8	7.92	98	291837	43.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.94%
43) trans-1,3-Dichloropropene-	8.20	79	46329	42.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.06%
47) 2-Hexanone-d5	8.66	63	115021	100.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.35%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	156754	47.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.86%
64) 1,2-Dichlorobenzene-d4	12.21	152	90046	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%

Target Compounds

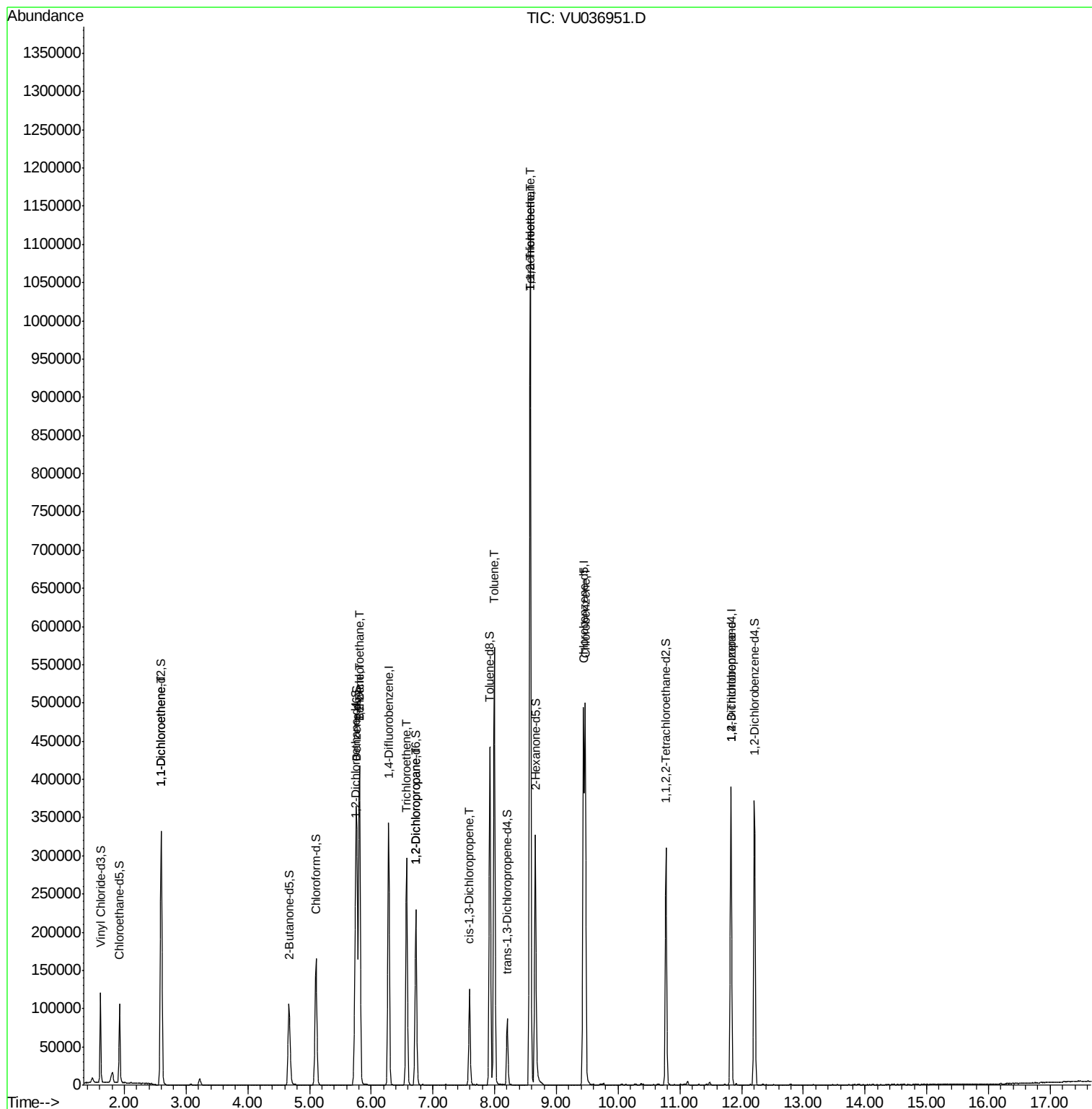
						Qvalue
12) 1,1-Dichloroethene	2.60	96	75598	45.057	ug/L	88
27) 1,2-Dichloroethane	5.81	62	3592	1.306	ug/L #	75
33) Benzene	5.81	78	378915	47.935	ug/L	100
34) Trichloroethene	6.57	95	101679	52.335	ug/L	99
37) 1,2-Dichloropropane	6.72	63	11593	5.447	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2856	0.871	ug/L #	62
42) Toluene	8.00	91	409657	48.644	ug/L	99
45) 1,1,2-Trichloroethane	8.57	97	2273	1.201	ug/L #	1
46) Tetrachloroethene	8.57	164	233140	182.157	ug/L	99
51) Chlorobenzene	9.47	112	244466	48.992	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	14159	5.171	ug/L	94

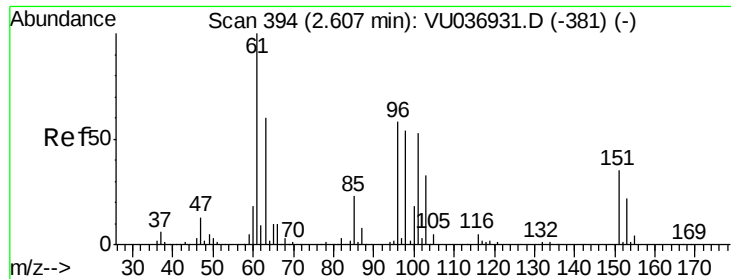
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#12

1,1-Dichloroethene

Concen: 45.057 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

GAW03MSD

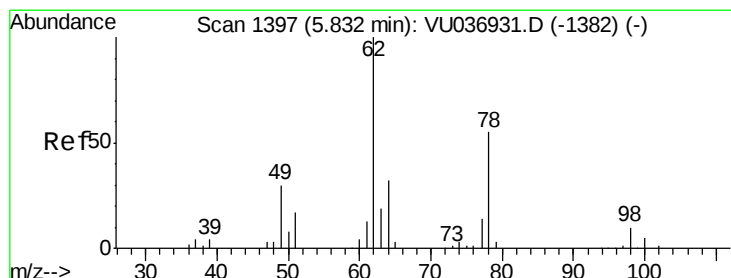
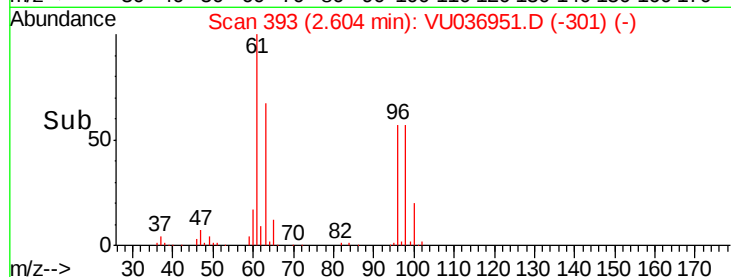
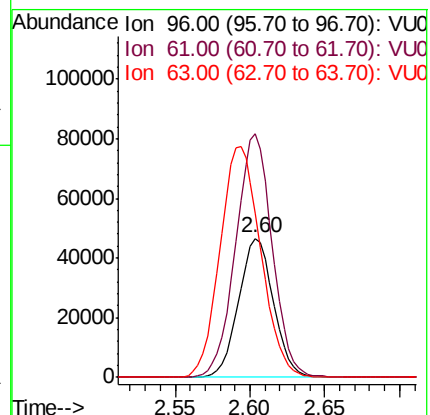
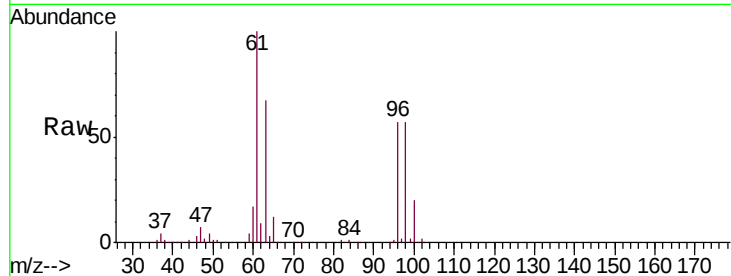
Tgt Ion: 96 Resp: 75598

Ion Ratio Lower Upper

96 100

61 174.8 127.5 236.7

63 117.9 101.4 188.2



#27

1,2-Dichloroethane

Concen: 1.306 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU036951.D

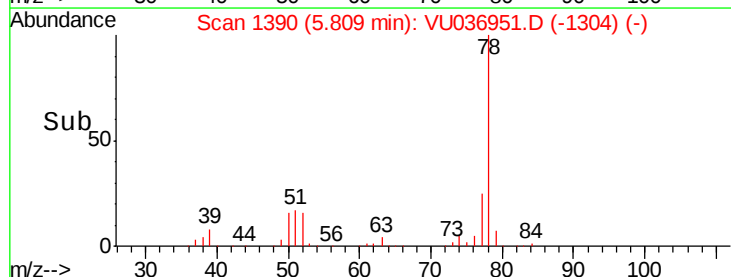
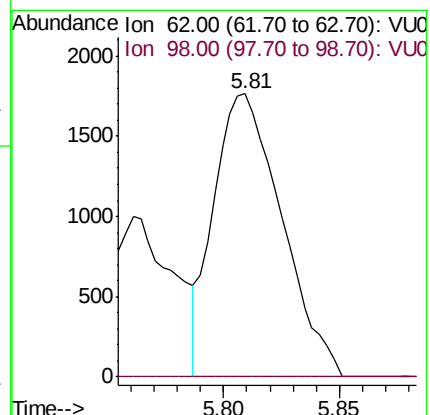
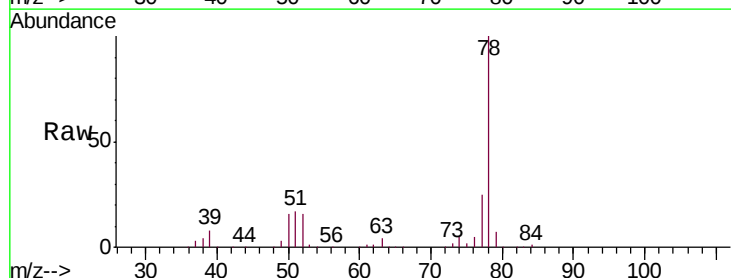
Acq: 27 Feb 2020 18:28

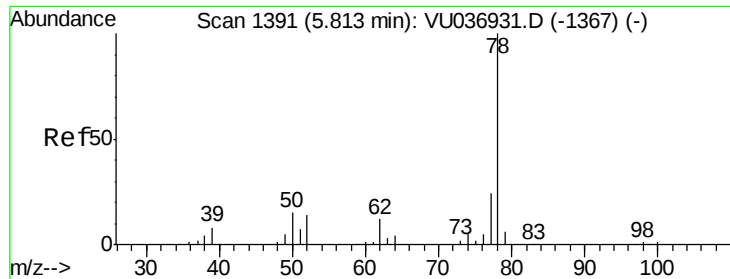
Tgt Ion: 62 Resp: 3592

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#





#33

Benzene

Concen: 47.935 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

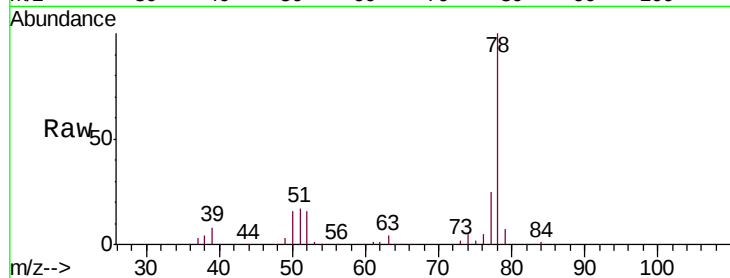
Instrument :

MSVOA_U

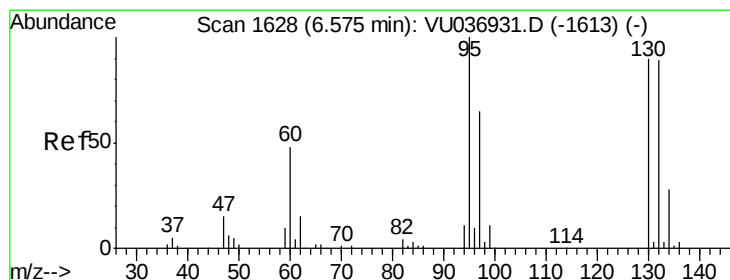
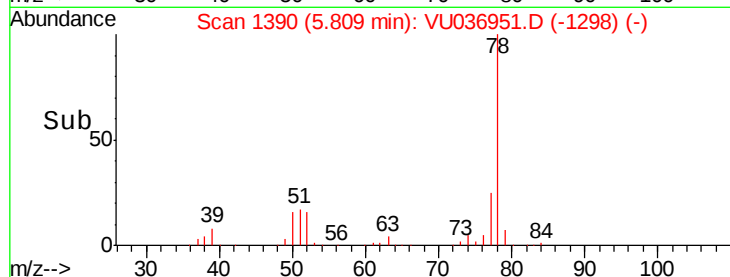
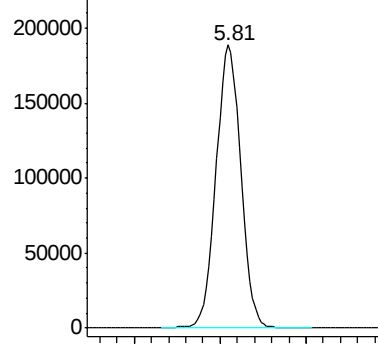
ClientSampleId :

GAW03MSD

Tgt Ion: 78 Resp: 378915



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 52.335 ug/L

RT: 6.57 min Scan# 1627

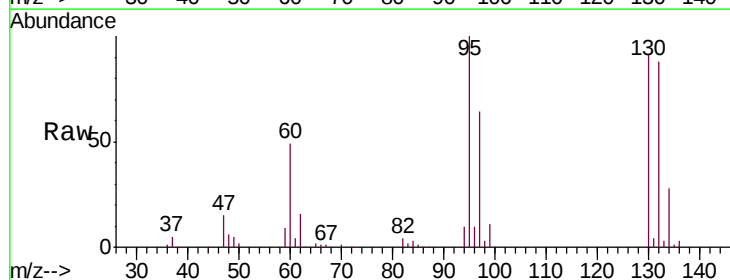
Delta R.T. -0.00 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

Tgt Ion: 95 Resp: 101679

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.1	81.9
132	87.5	60.6	112.6
130	91.0	64.9	120.5

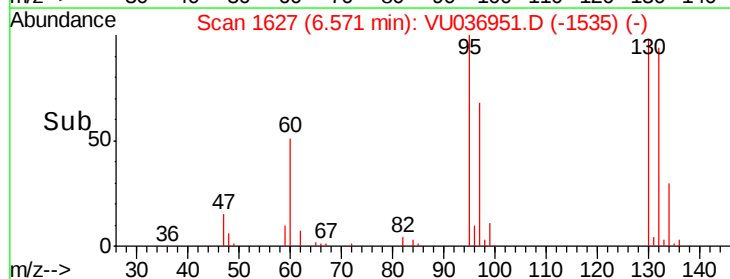
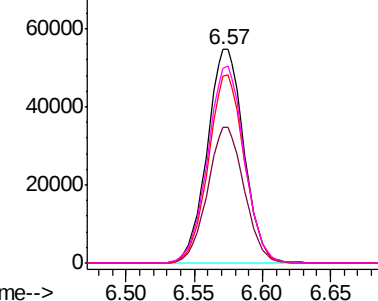


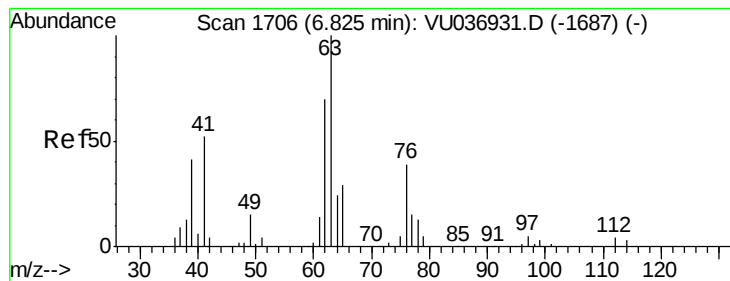
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#37

1,2-Dichloropropane

Concen: 5.447 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

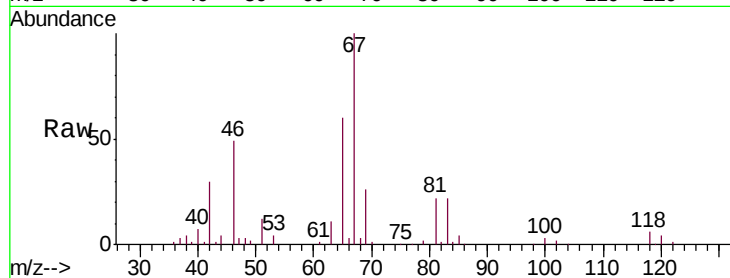
GAW03MSD

Tgt Ion: 63 Resp: 11593

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU036951.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU036951.D (-1687) (-)

6.72

6000

4000

2000

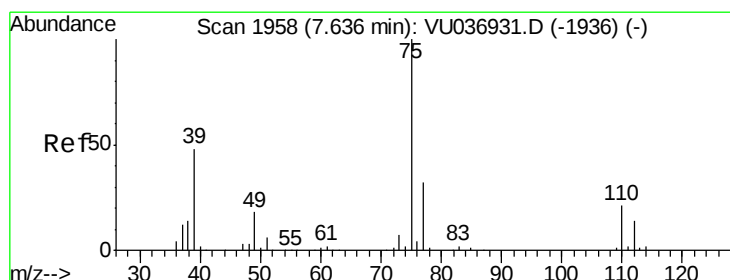
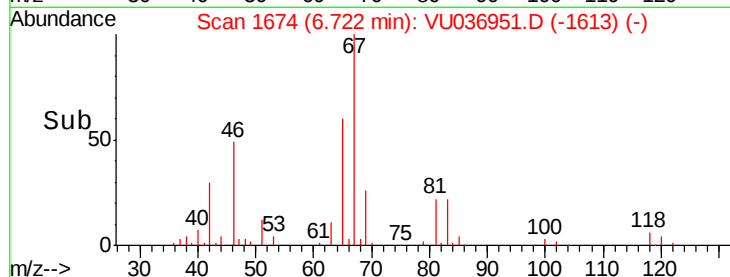
0

Time-->

6.65

6.70

6.75



#39

cis-1,3-Dichloropropene

Concen: 0.871 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.05 min

Lab File: VU036951.D

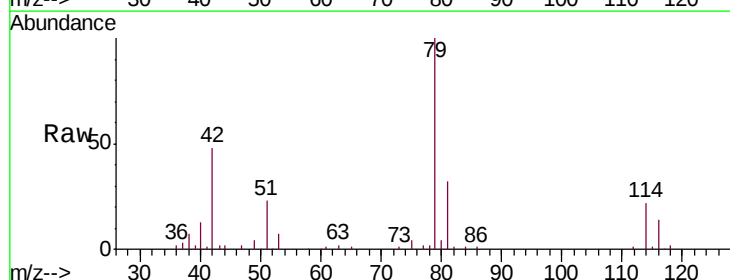
Acq: 27 Feb 2020 18:28

Tgt Ion: 75 Resp: 2856

Ion Ratio Lower Upper

75 100

77 52.4 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU036951.D (-1865) (-)

Ion 77.00 (76.70 to 77.70): VU036951.D (-1865) (-)

7.59

2000

1500

1000

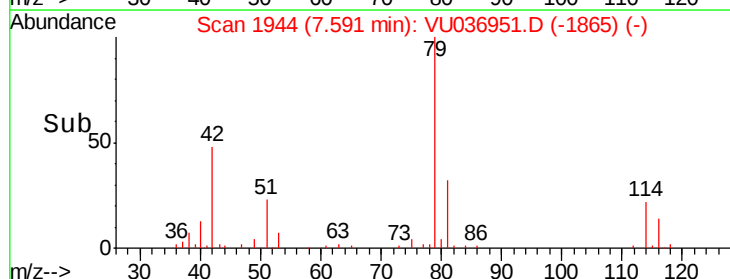
500

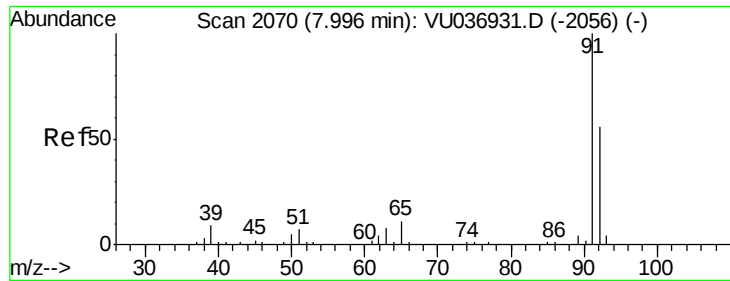
0

Time-->

7.55

7.60





#42

Toluene

Concen: 48.644 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

Instrument :

MSVOA_U

ClientSampled :

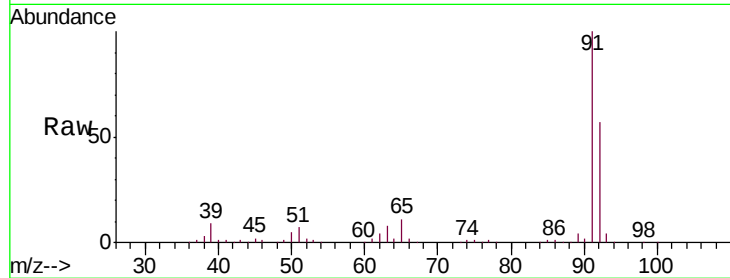
GAW03MSD

Tgt Ion: 91 Resp: 409657

Ion Ratio Lower Upper

91 100

92 56.9 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036951.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036951.D (-2056) (-)

8.00

250000

200000

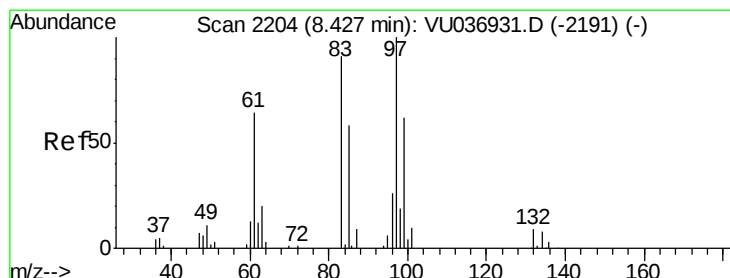
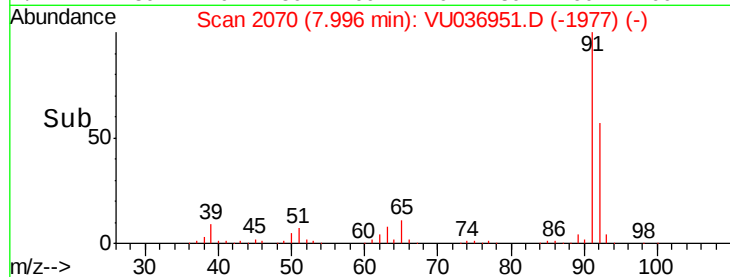
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#45

1,1,2-Trichloroethane

Concen: 1.201 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.14 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

Tgt Ion: 97 Resp: 2273

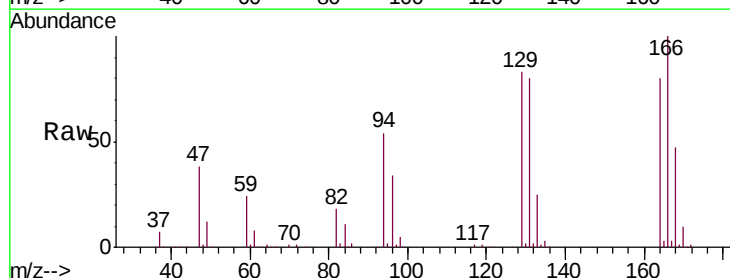
Ion Ratio Lower Upper

97 100

99 18.1 43.6 81.0#

83 278.8 62.7 116.5#

85 40.6 40.3 74.9



Abundance Ion 97.00 (96.70 to 97.70): VU036951.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU036951.D (-2191) (-)

Ion 83.00 (82.70 to 83.70): VU036951.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU036951.D (-2191) (-)

6000

5000

4000

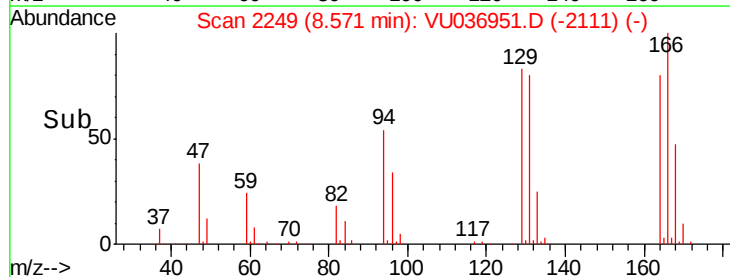
3000

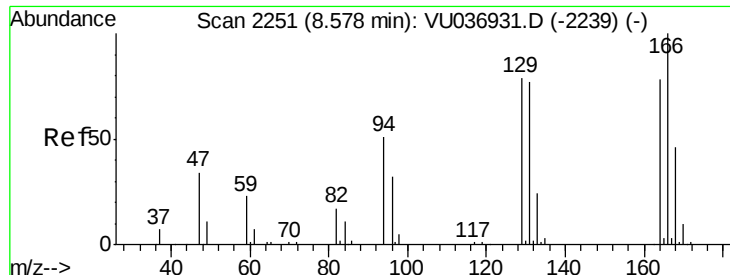
2000

1000

0

Time--> 8.54 8.56 8.58 8.60





#46

Tetrachloroethene

Concen: 182.157 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

GAW03MSD

Tgt Ion:164 Resp: 233140

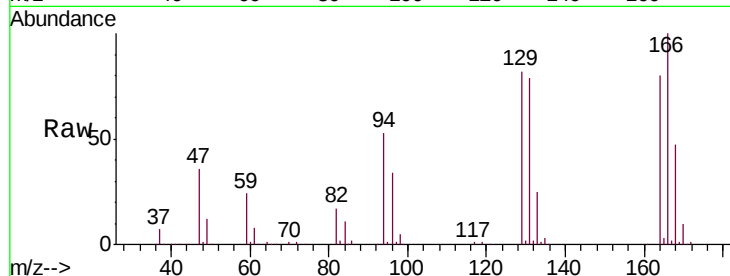
Ion Ratio Lower Upper

164 100

129 103.2 72.0 133.8

131 98.9 67.9 126.1

166 125.7 87.1 161.7

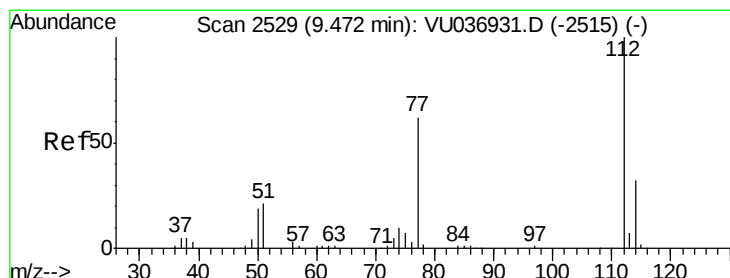
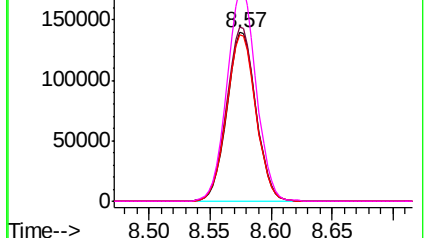
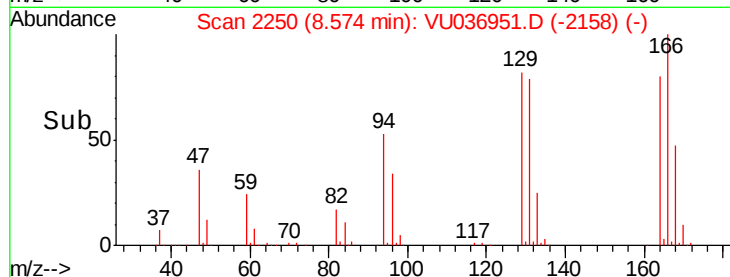


Abundance Ion 164.00 (163.70 to 164.70): V

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



#51

Chlorobenzene

Concen: 48.992 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

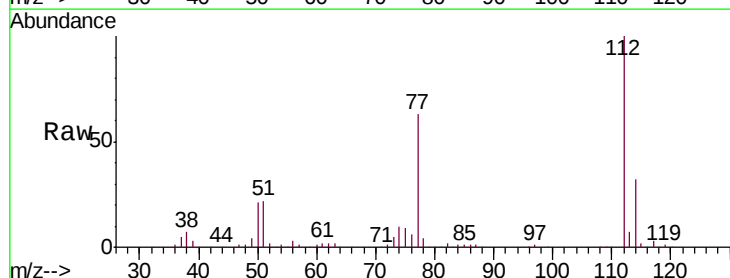
Tgt Ion:112 Resp: 244466

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.5

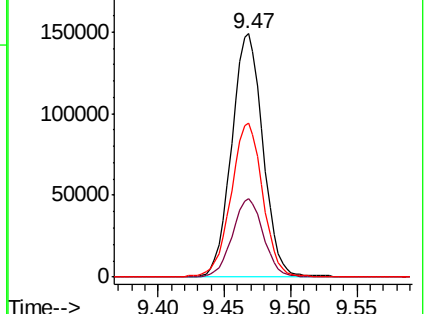
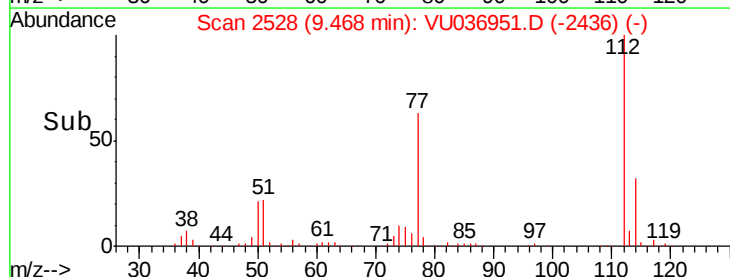
77 63.3 50.1 75.1

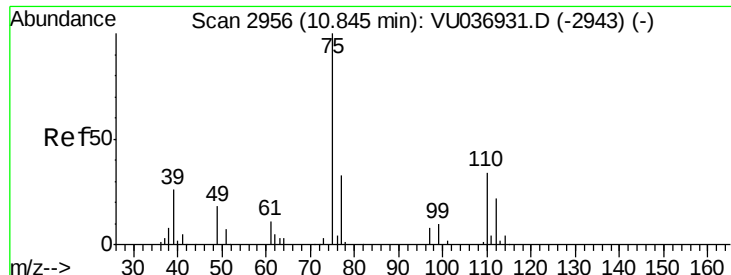


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.171 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036951.D

Acq: 27 Feb 2020 18:28

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MSVOA_U

ClientSampleId :

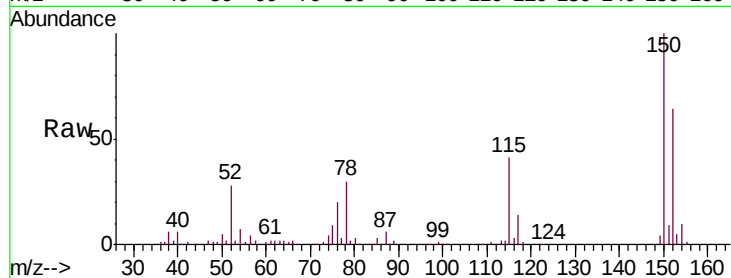
GAW03MSD

Tgt Ion: 75 Resp: 14159

Ion Ratio Lower Upper

75 100

77 36.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

