

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037573.D
 Acq On : 03 Apr 2020 17:54
 Operator : JC/MD
 Sample : L2158-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ0

Quant Time: Apr 04 06:18:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 05:18:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	171181	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	159688	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	76743	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62105	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.34%
7) Chloroethane-d5	1.93	69	48761	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.59	63	86430	36.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.96%
21) 2-Butanone-d5	4.66	46	100091	95.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.79%
24) Chloroform-d	5.10	84	104555	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	5.74	65	70061	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.10%
32) Benzene-d6	5.76	84	215861	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.72	67	73167	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.96%
41) Toluene-d8	7.92	98	198599	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	8.20	79	38080	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.65	63	76838	93.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.11%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103212	46.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.70%
64) 1,2-Dichlorobenzene-d4	12.21	152	72281	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%

Target Compounds

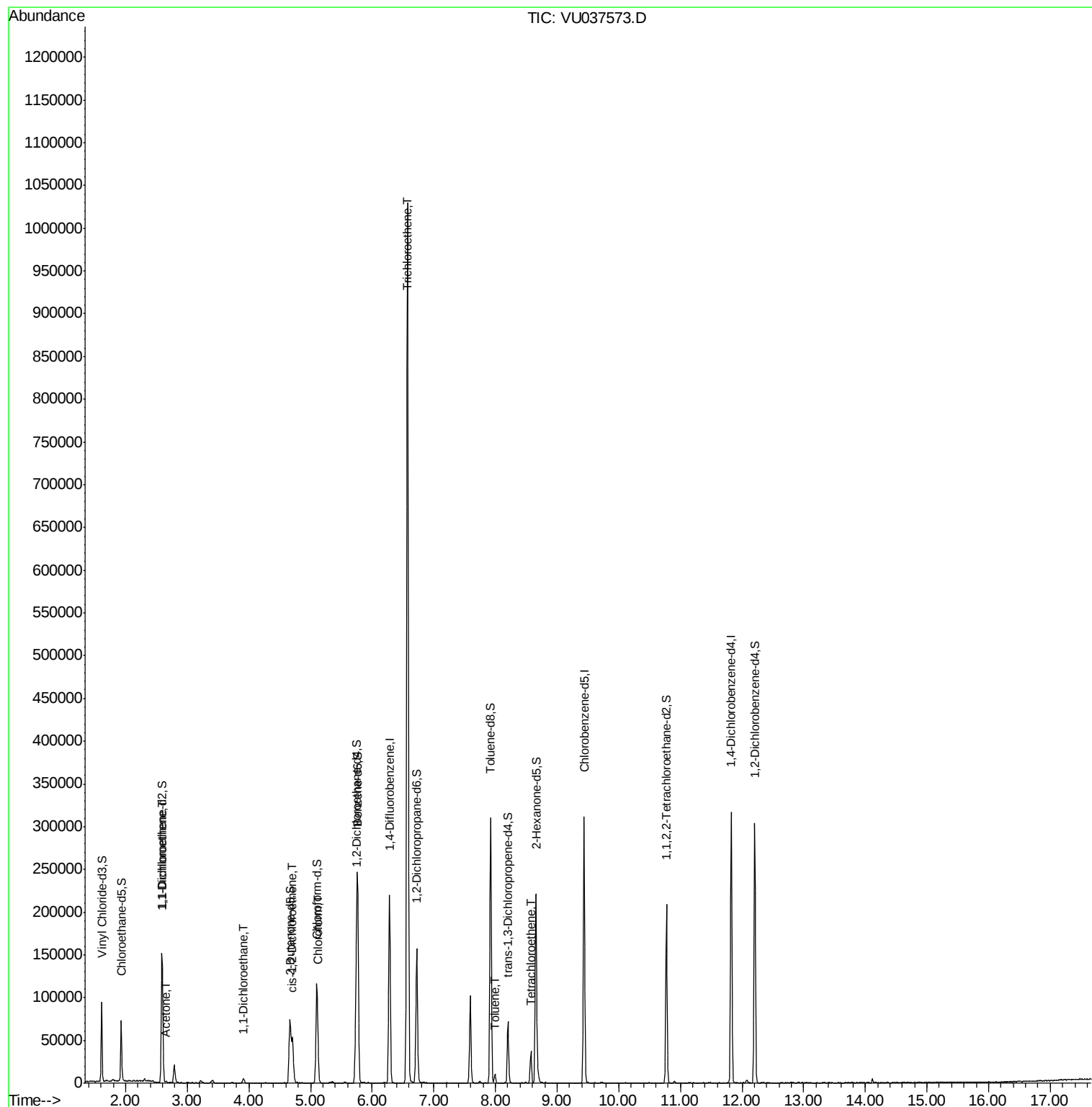
					Ovalue
12) 1,1-Dichloroethene	2.60	96	8851	9.666 ug/L	# 1
13) Acetone	2.66	43	1896	3.139 ug/L	87
19) 1,1-Dichloroethane	3.91	63	5683	2.942 ug/L	93
20) cis-1,2-Dichloroethene	4.71	96	23642	20.821 ug/L	96
25) Chloroform	5.12	83	3068	1.523 ug/L	84
34) Trichloroethene	6.57	95	349740	319.667 ug/L	99
42) Toluene	7.99	91	7117	1.572 ug/L	100
46) Tetrachloroethene	8.57	164	8174	11.127 ug/L	91

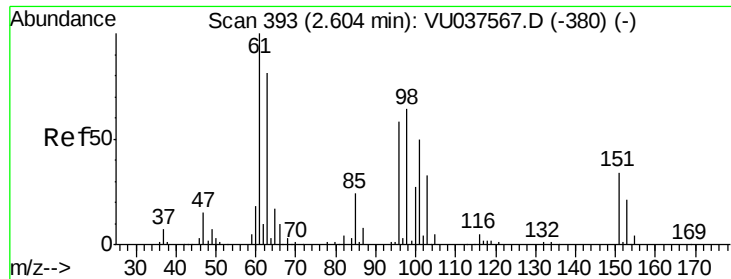
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 04 05:18:00 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 9.666 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0EZ0

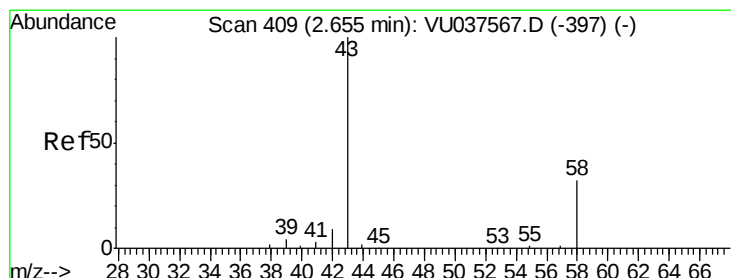
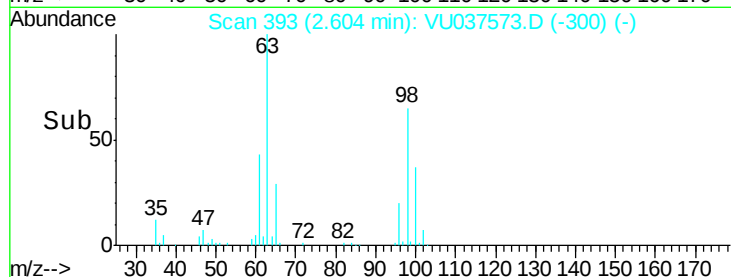
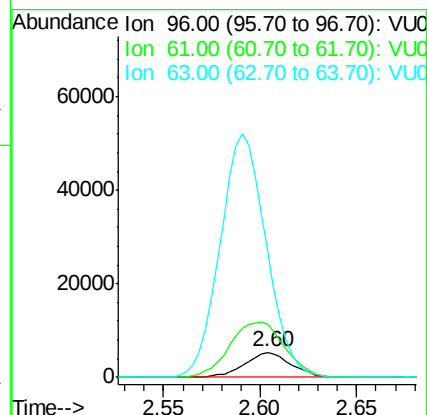
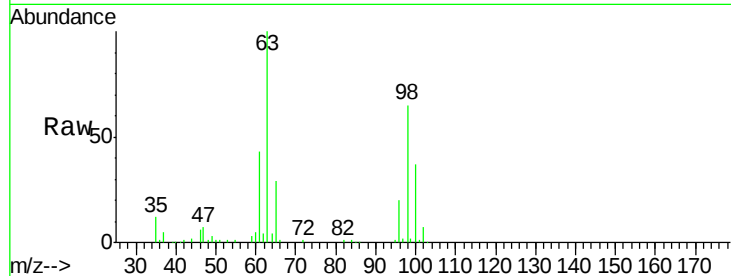
Tot Ion: 96 Resp: 8851

Ion Ratio Lower Upper

96 100

61 210.4 117.2 217.8

63 494.2 90.9 168.9#



#13

Acetone

Concen: 3.139 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037573.D

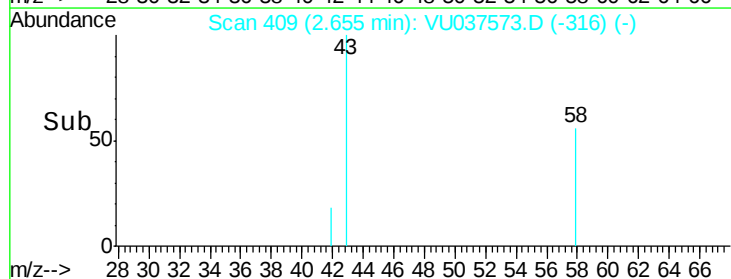
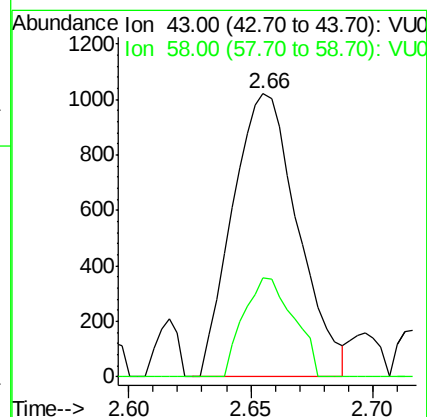
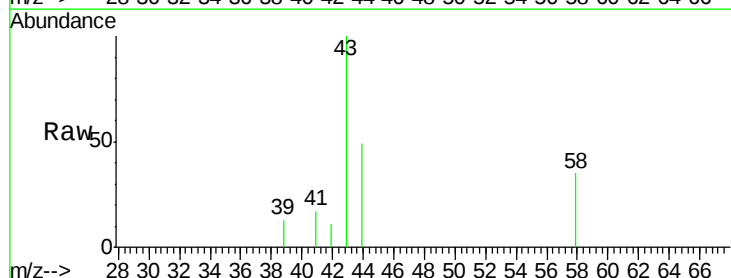
Acq: 03 Apr 2020 17:54

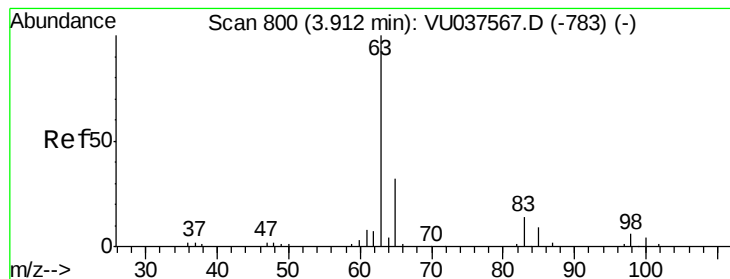
Tgt Ion: 43 Resp: 1896

Ion Ratio Lower Upper

43 100

58 26.7 0.0 68.8





#19

1,1-Dichloroethane

Concen: 2.942 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

C0EZ0

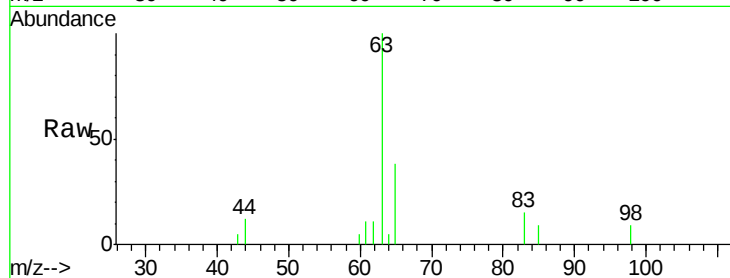
Tot Ion: 63 Resp: 5683

Ion Ratio Lower Upper

63 100

65 38.0 23.2 43.2

83 14.6 9.6 17.8

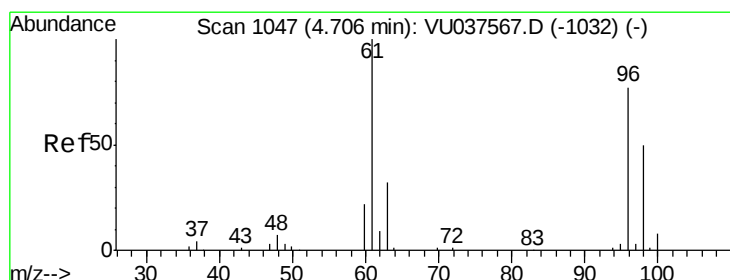
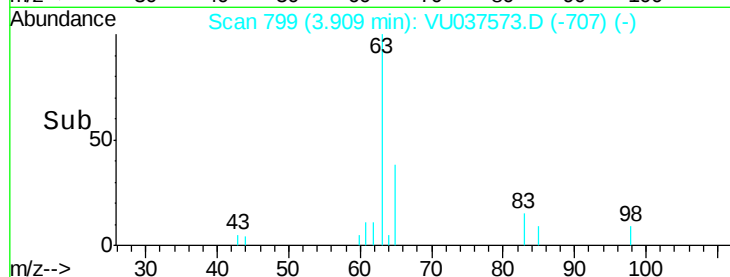


Abundance Ion 63.00 (62.70 to 63.70): VU037567.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU037567.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU037567.D (-783) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 20.821 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

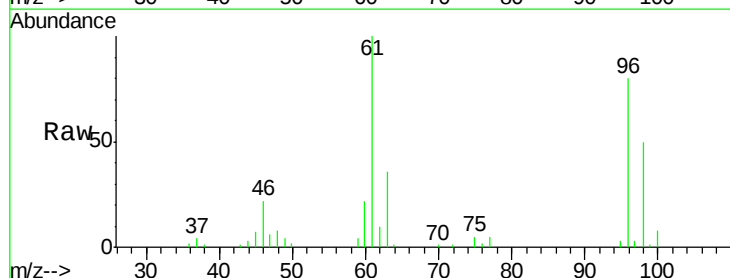
Tgt Ion: 96 Resp: 23642

Ion Ratio Lower Upper

96 100

61 124.4 90.2 167.6

68 0.0 0.0 0.0

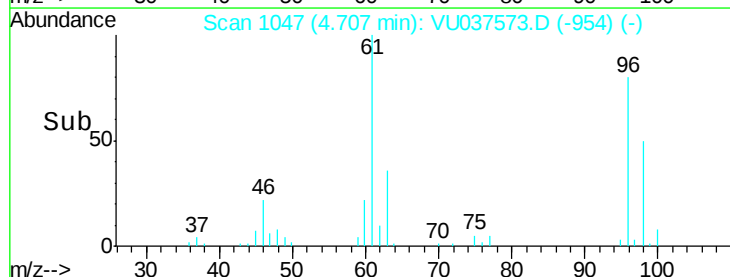


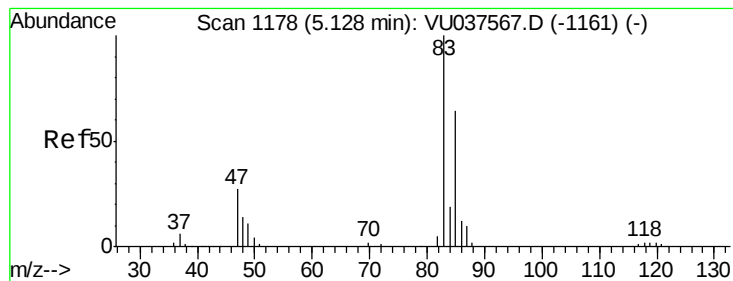
Abundance Ion 96.00 (95.70 to 96.70): VU037567.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU037567.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU037567.D (-1032) (-)

Time-->





#25

Chloroform

Concen: 1.523 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

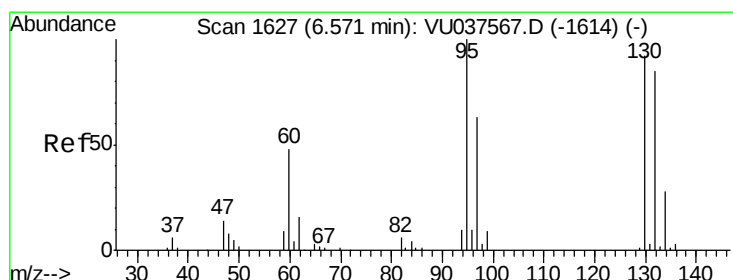
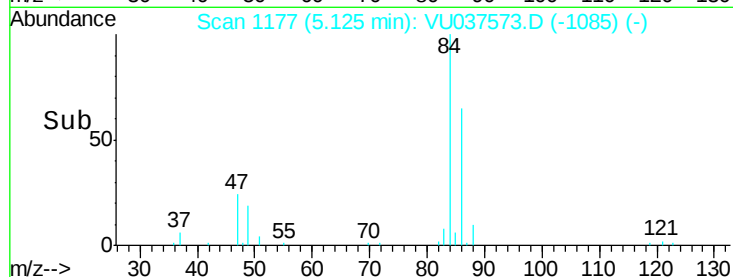
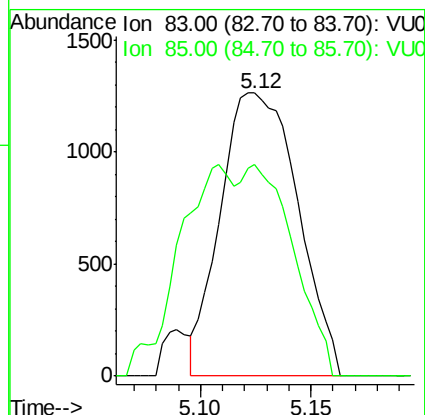
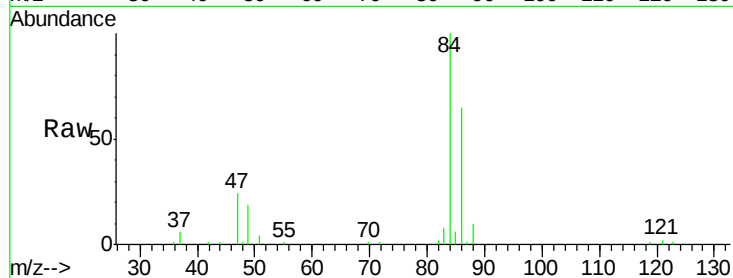
C0EZ0

Tot Ion: 83 Resp: 3068

Ion Ratio Lower Upper

83 100

85 74.6 43.7 81.1



#34

Trichloroethene

Concen: 319.667 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Tgt Ion: 95 Resp: 349740

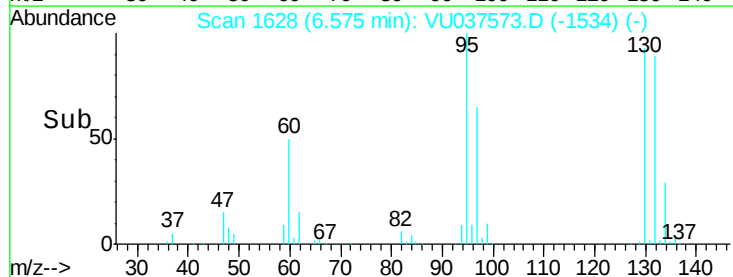
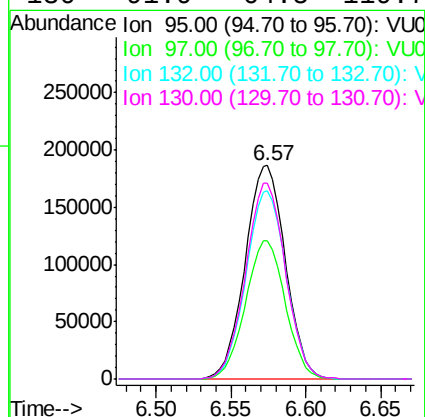
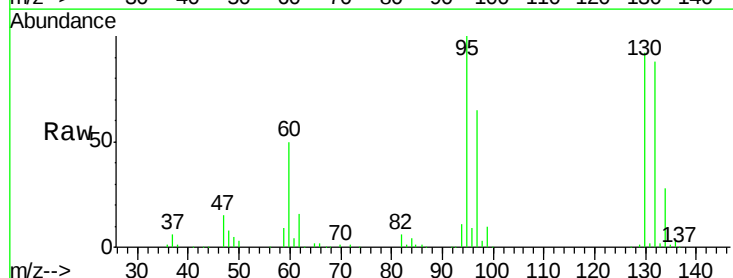
Ion Ratio Lower Upper

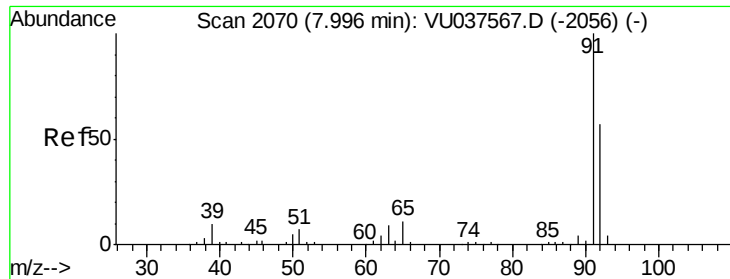
95 100

97 64.8 45.2 84.0

132 87.9 63.7 118.3

130 91.9 64.5 119.7





#42

Toluene

Concen: 1.572 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.01 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Instrument :

MSVOA_U

ClientSampleId :

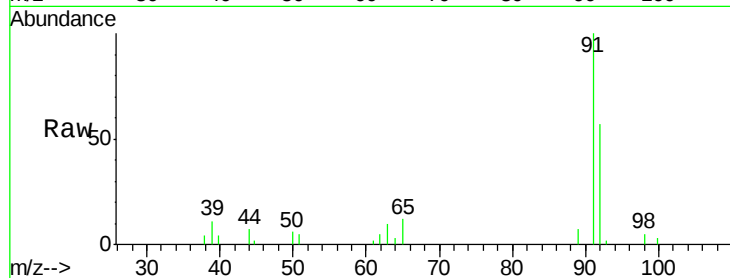
C0EZ0

Tot Ion: 91 Resp: 7117

Ion Ratio Lower Upper

91 100

92 56.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU037567.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037567.D (-2056) (-)

7.99

4000

3000

2000

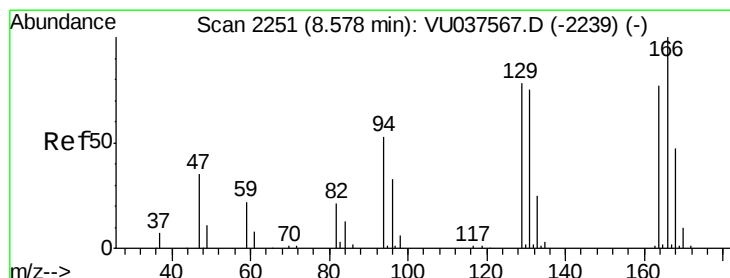
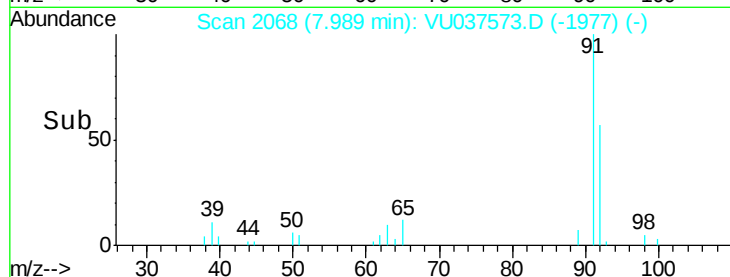
1000

0

Time-->

7.95

8.00



#46

Tetrachloroethene

Concen: 11.127 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU037573.D

Acq: 03 Apr 2020 17:54

Tgt Ion: 164 Resp: 8174

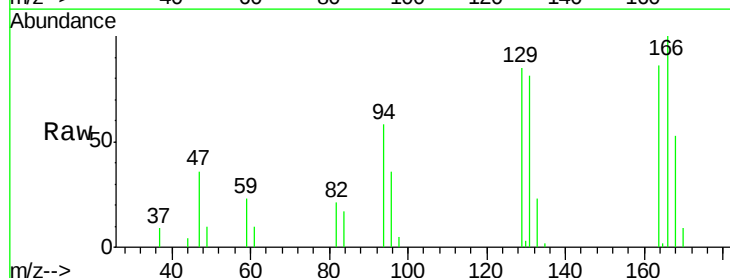
Ion Ratio Lower Upper

164 100

129 99.5 76.5 142.1

131 94.1 71.7 133.1

166 116.6 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU037567.D (-2239) (-)

Ion 129.00 (128.70 to 129.70): VU037567.D (-2239) (-)

Ion 131.00 (130.70 to 131.70): VU037567.D (-2239) (-)

Ion 166.00 (165.70 to 166.70): VU037567.D (-2239) (-)

8000

6000

4000

2000

0

Time-->

8.55

8.60

