

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030320\
 Data File : VU037025.D
 Acq On : 03 Mar 2020 15:46
 Operator : JC/MD
 Sample : L1746-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 04 06:55:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	263890	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249306	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	88736	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	100611	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	95208	51.92	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.84%
11) 1,1-Dichloroethene-d2	2.59	63	131962	35.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.12%
21) 2-Butanone-d5	4.67	46	151112	101.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.66%
24) Chloroform-d	5.11	84	167994	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	5.74	65	116198	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
32) Benzene-d6	5.76	84	368782	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
36) 1,2-Dichloropropane-d6	6.72	67	119408	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.24%
41) Toluene-d8	7.92	98	321889	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	8.20	79	48800	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.92%
47) 2-Hexanone-d5	8.66	63	102376	89.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	160961	48.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.76%
64) 1,2-Dichlorobenzene-d4	12.21	152	94321	54.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.74%

Target Compounds

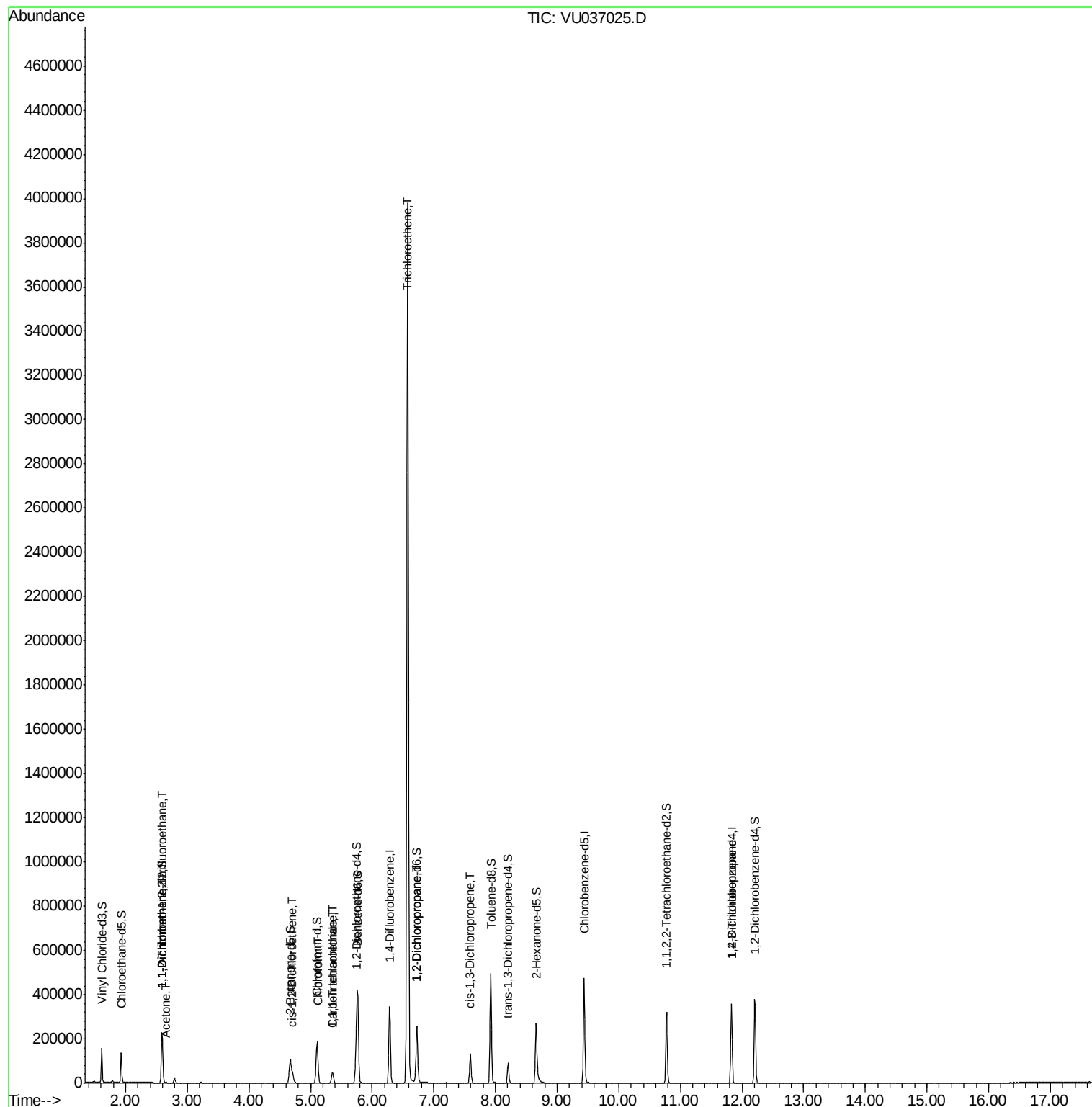
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4031	2.392	ug/L #	77
12) 1,1-Dichloroethene	2.60	96	3308	1.941	ug/L #	1
13) Acetone	2.66	43	3550	2.322	ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	18736	9.151	ug/L	98
25) Chloroform	5.12	83	3993	1.163	ug/L	83
30) 1,1,1-Trichloroethane	5.36	97	35253	13.189	ug/L	98
31) Carbon tetrachloride	5.36	117	4802	2.292	ug/L	96
34) Trichloroethene	6.57	95	1346328	695.496	ug/L	99
37) 1,2-Dichloropropane	6.72	63	13335	6.288	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3181	0.974	ug/L #	53
59) 1,2,3-Trichloropropane	11.83	75	13779	5.051	ug/L	97

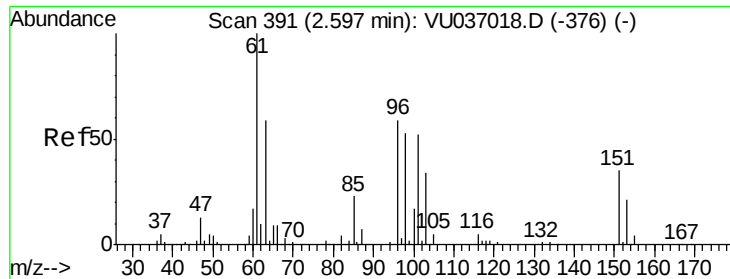
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 2.392 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037025.D

Acq: 03 Mar 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

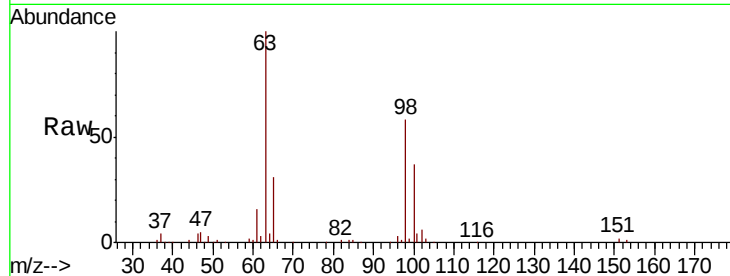
Tot Ion:101 Resp: 4031

Ion Ratio Lower Upper

101 100

85 30.9 36.4 54.6#

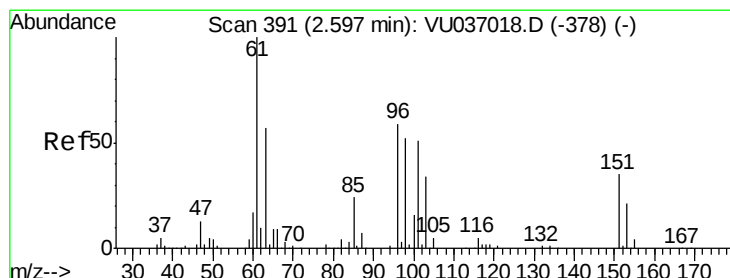
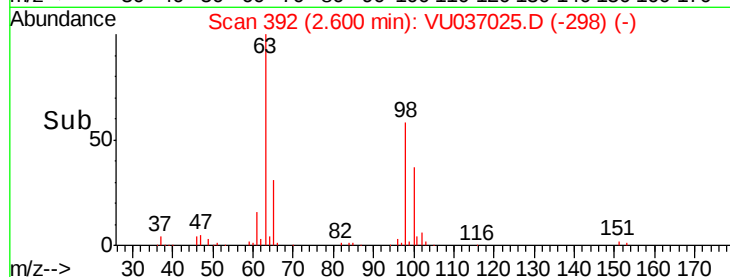
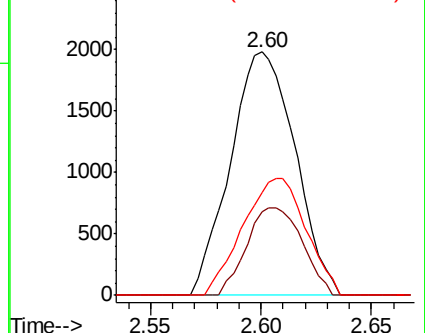
151 46.8 52.4 78.6#



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: 1.941 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037025.D

Acq: 03 Mar 2020 15:46

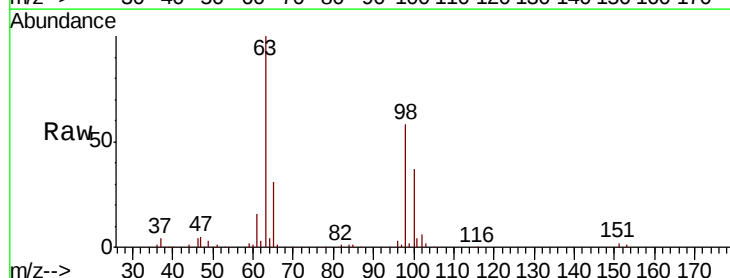
Tgt Ion: 96 Resp: 3308

Ion Ratio Lower Upper

96 100

61 546.5 127.5 236.7#

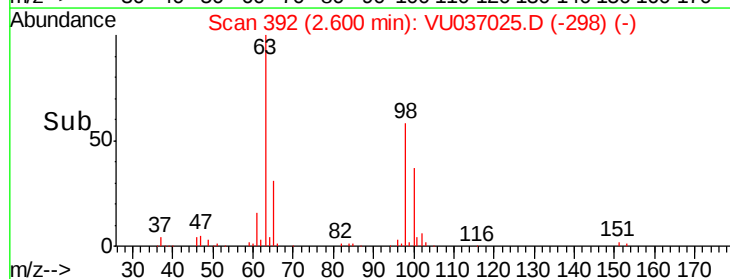
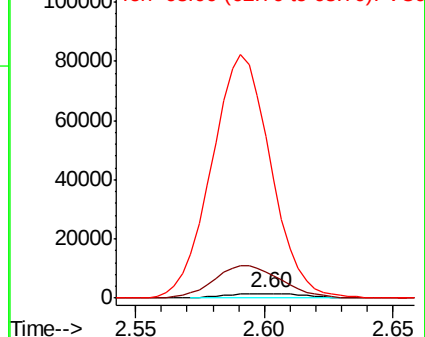
63 3389.1 101.4 188.2#

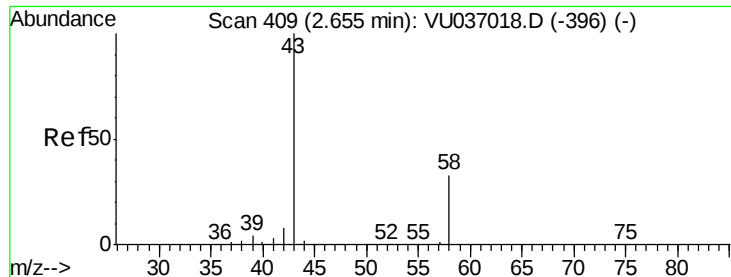


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.322 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037025.D

Acq: 03 Mar 2020 15:46

Instrument :

MSVOA_U

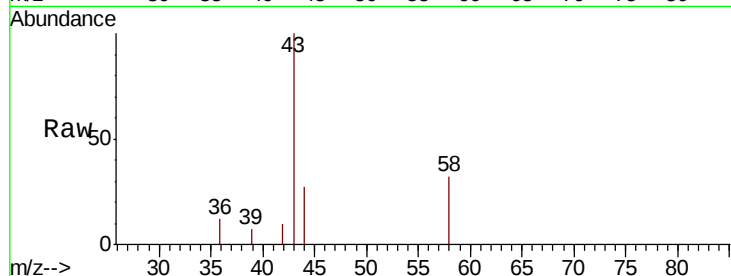
ClientSampleId :

Tot Ion: 43 Resp: 3550

Ion Ratio Lower Upper

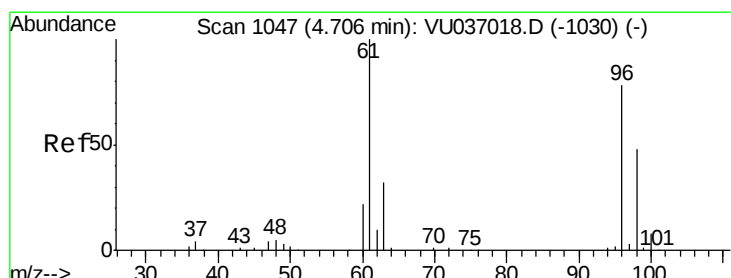
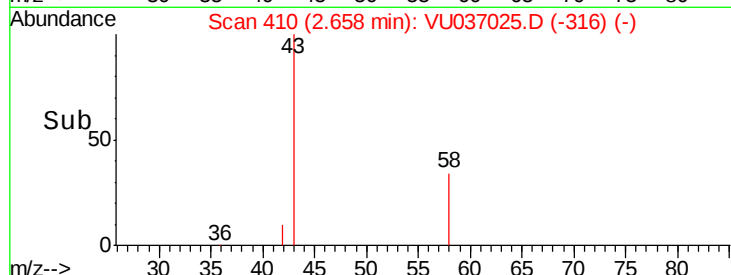
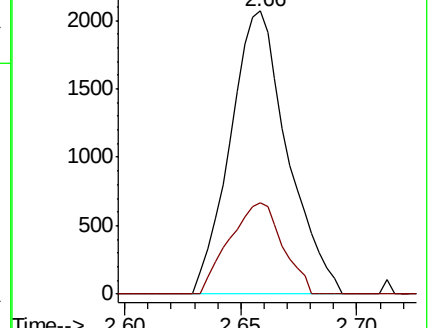
43 100

58 30.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037018.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037018.D (-396) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.151 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037025.D

Acq: 03 Mar 2020 15:46

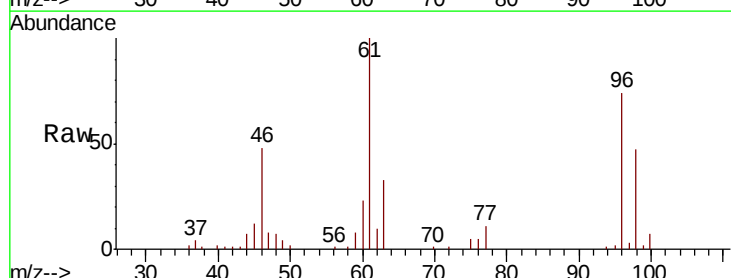
Tgt Ion: 96 Resp: 18736

Ion Ratio Lower Upper

96 100

61 135.3 93.1 172.9

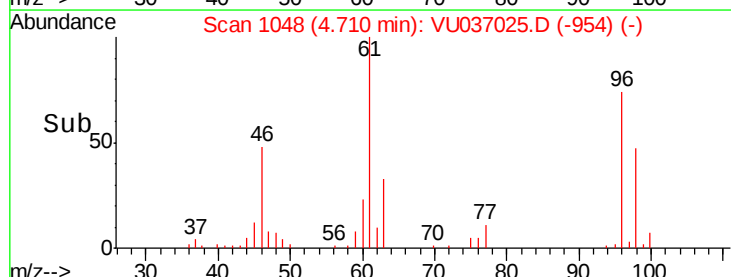
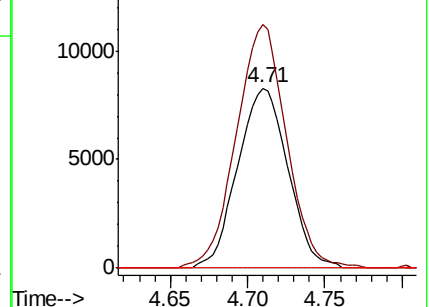
68 0.0 0.0 0.0

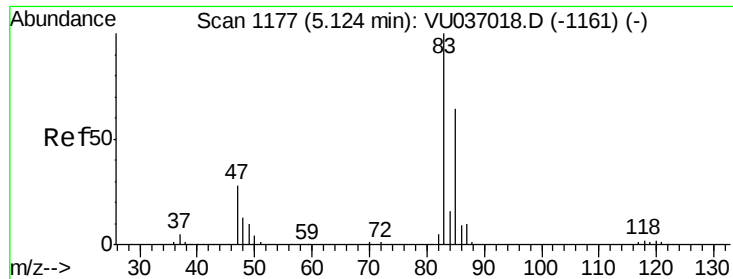


Abundance Ion 96.00 (95.70 to 96.70): VU037018.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037018.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU037018.D (-1030) (-)

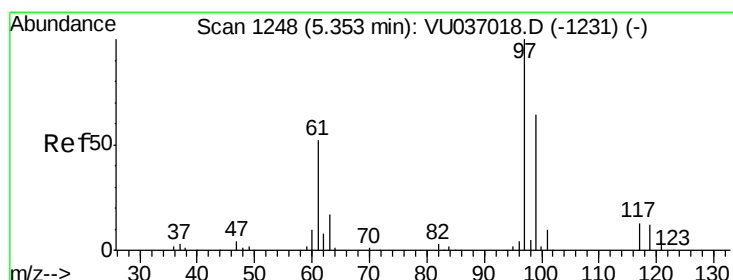
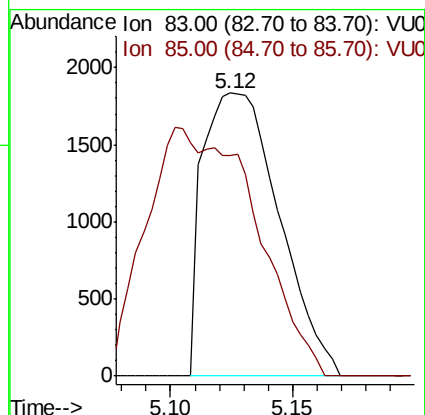
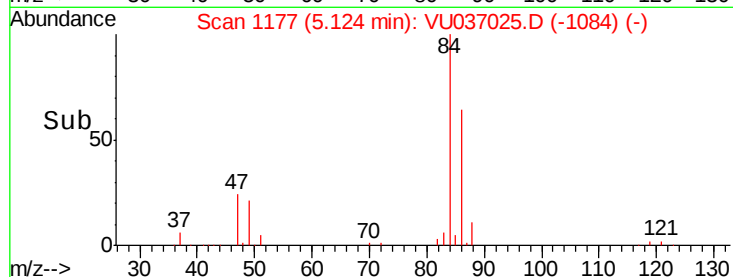
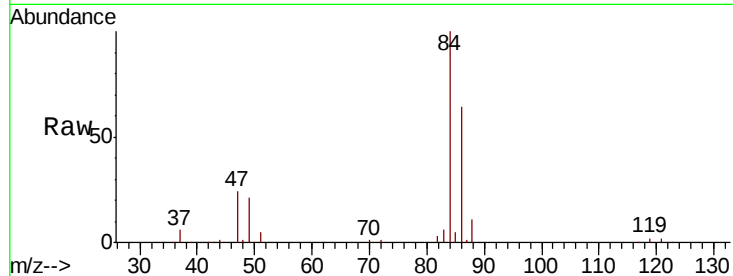




#25
Chloroform
Concen: 1.163 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU037025.D
Acq: 03 Mar 2020 15:46

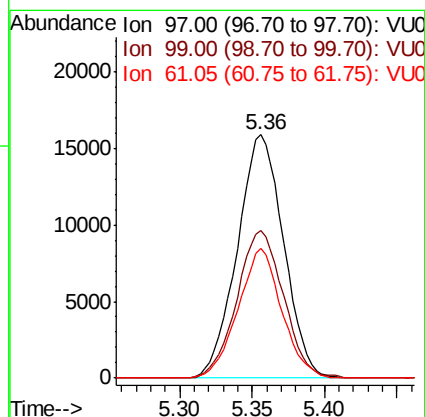
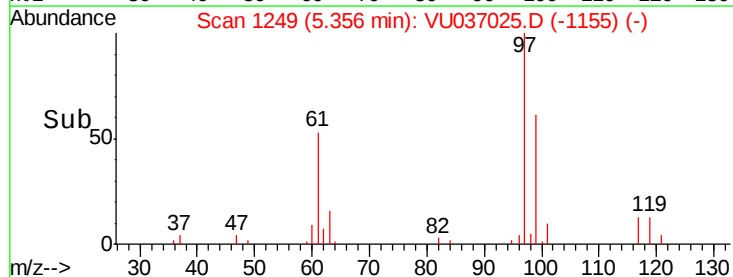
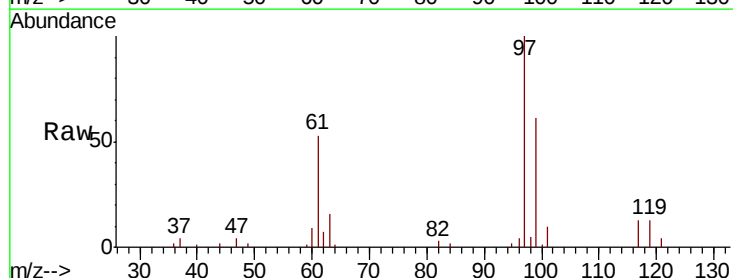
Instrument :
MSVOA_U
ClientSampleId :

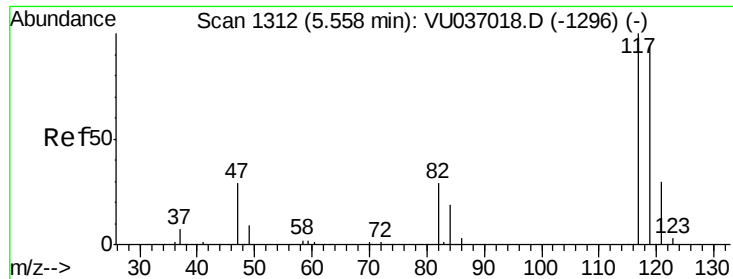
Tot Ion: 83 Resp: 3993
Ion Ratio Lower Upper
83 100
85 77.8 45.1 83.9



#30
1,1,1-Trichloroethane
Concen: 13.189 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037025.D
Acq: 03 Mar 2020 15:46

Tgt Ion: 97 Resp: 35253
Ion Ratio Lower Upper
97 100
99 60.9 50.4 75.6
61 50.3 40.3 60.5

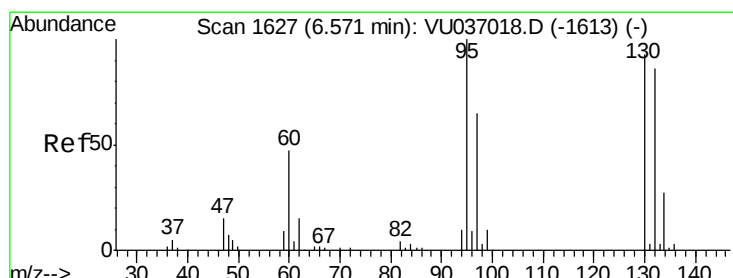
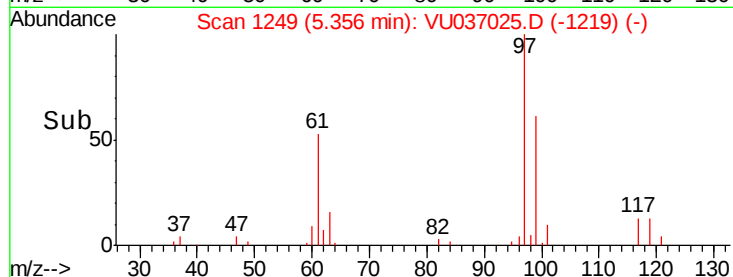
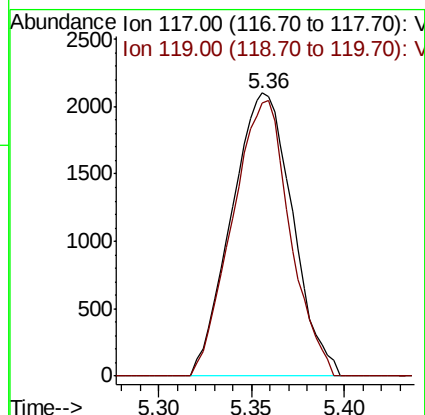
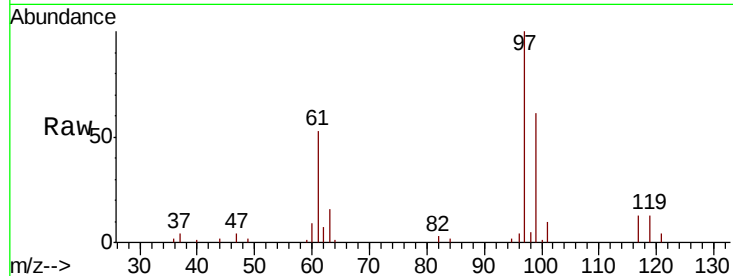




#31
Carbon tetrachloride
Concen: 2.292 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.20 min
Lab File: VU037025.D
Acq: 03 Mar 2020 15:46

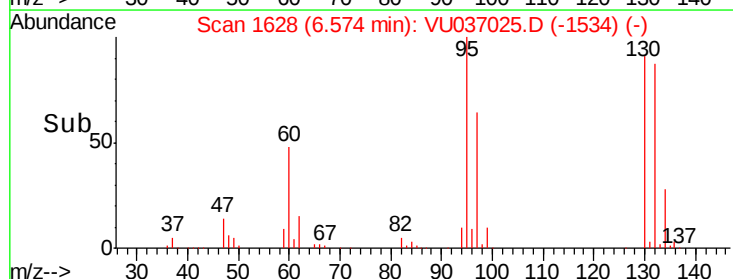
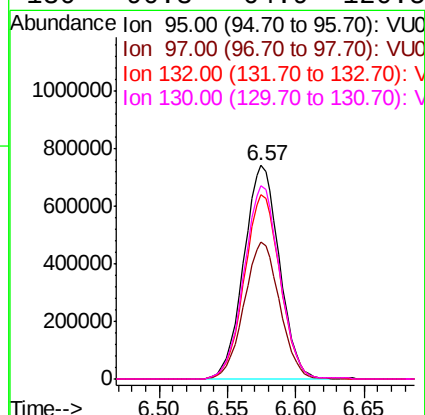
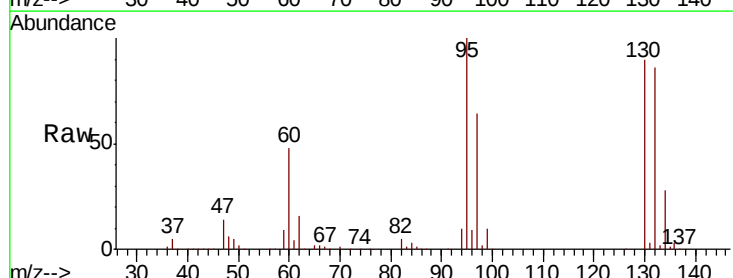
Instrument :
MSVOA_U
ClientSampled :

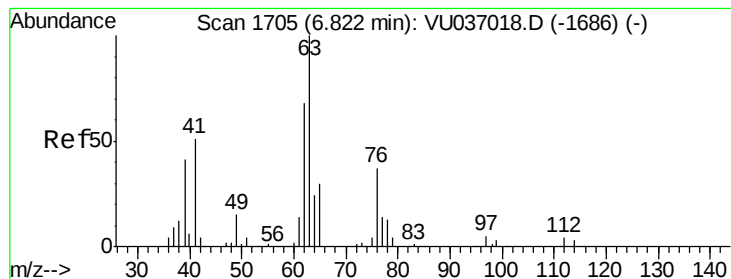
Tot Ion:117 Resp: 4802
Ion Ratio Lower Upper
117 100
119 92.2 77.2 115.8



#34
Trichloroethene
Concen: 695.496 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VU037025.D
Acq: 03 Mar 2020 15:46

Tgt Ion: 95 Resp: 1346328
Ion Ratio Lower Upper
95 100
97 63.9 44.1 81.9
132 86.3 60.6 112.6
130 90.3 64.9 120.5





#37

1,2-Dichloropropane

Concen: 6.288 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037025.D

Acq: 03 Mar 2020 15:46

Instrument :

MSVOA_U

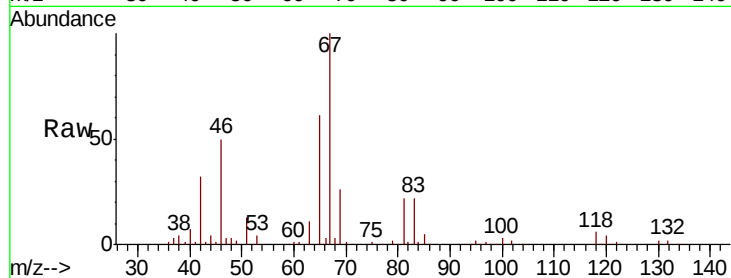
ClientSampled :

Tot Ion: 63 Resp: 13335

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU037018.D (-1686) (-)

Ion 112.00 (111.70 to 112.70): VU037018.D (-1686) (-)

8000

6000

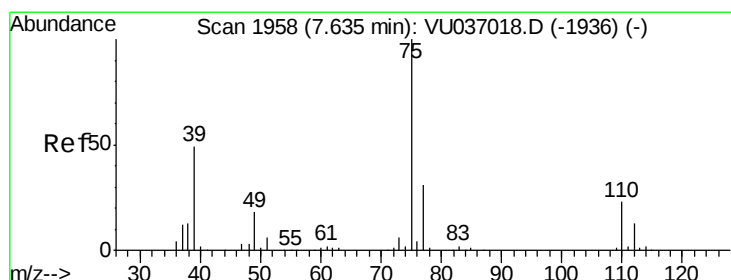
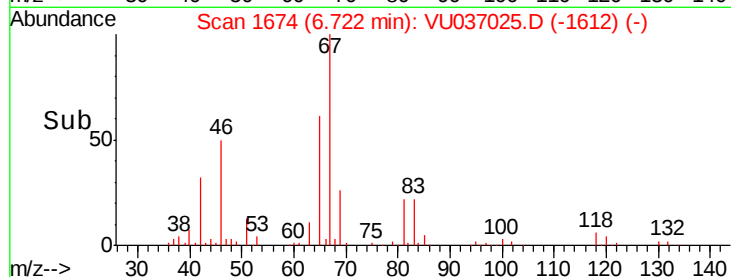
4000

2000

0

6.65 6.70 6.75 6.80

6.72



#39

cis-1,3-Dichloropropene

Concen: 0.974 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037025.D

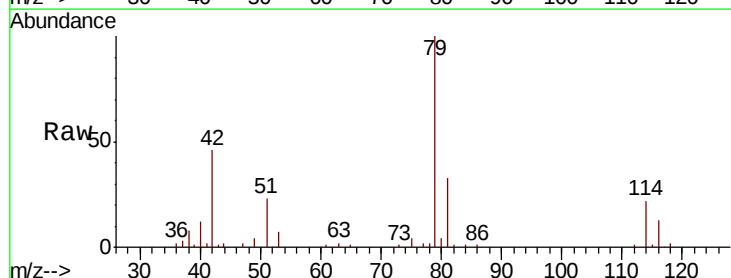
Acq: 03 Mar 2020 15:46

Tgt Ion: 75 Resp: 3181

Ion Ratio Lower Upper

75 100

77 57.3 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU037018.D (-1936) (-)

Ion 77.00 (76.70 to 77.70): VU037018.D (-1936) (-)

2000

1500

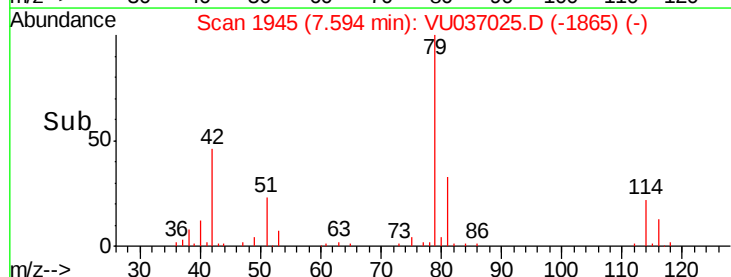
1000

500

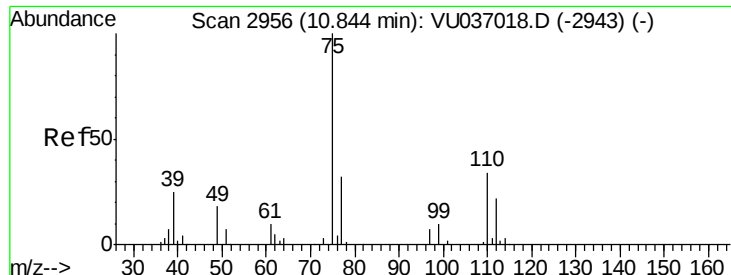
0

7.55 7.60

7.59



Time-->



#59

1,2,3-Trichloropropane

Concen: 5.051 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037025.D

Acq: 03 Mar 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13779

Ion Ratio Lower Upper

75 100

77 34.6 26.2 39.2

