

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037388.D
 Acq On : 27 Mar 2020 22:54
 Operator : JC/MD
 Sample : L1975-06 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 01:58:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 01:55:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	252146	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	238060	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	124267	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82837	51.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.44%
7) Chloroethane-d5	1.93	69	66354	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.35	63	162	0.05	ug/L	-0.24
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.10%#
21) 2-Butanone-d5	4.67	46	149844	103.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	5.11	84	164044	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	5.74	65	113968	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
32) Benzene-d6	5.76	84	338894	52.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.54%
36) 1,2-Dichloropropane-d6	6.72	67	108788	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.68%
41) Toluene-d8	7.92	98	324730	52.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.42%
43) trans-1,3-Dichloropropene-	8.20	79	60877	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.62%
47) 2-Hexanone-d5	8.65	63	117786	96.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162574	51.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.52%
64) 1,2-Dichlorobenzene-d4	12.21	152	129882	51.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.08%

Target Compounds

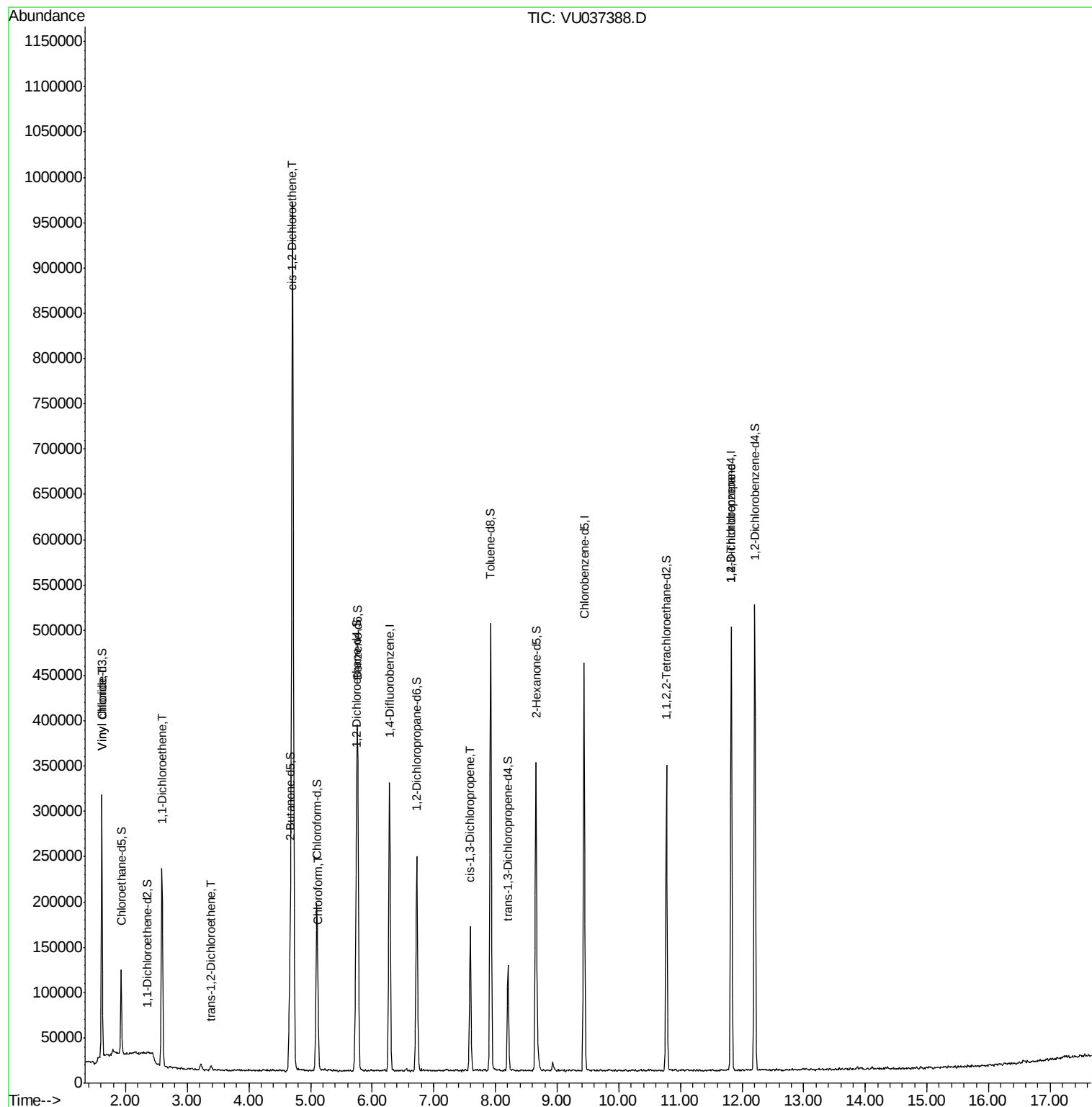
					Ovalue
5) Vinyl chloride	1.62	62	120688	54.063	ug/L 99
12) 1,1-Dichloroethene	2.59	96	1939	1.000	ug/L # 1
17) trans-1,2-Dichloroethene	3.39	96	2170	1.065	ug/L 84
20) cis-1,2-Dichloroethene	4.71	96	487746	214.884	ug/L # 99
25) Chloroform	5.13	83	4055	1.048	ug/L 84
39) cis-1,3-Dichloropropene	7.59	75	4202	1.119	ug/L # 59
59) 1,2,3-Trichloropropane	11.83	75	14529	4.737	ug/L # 83

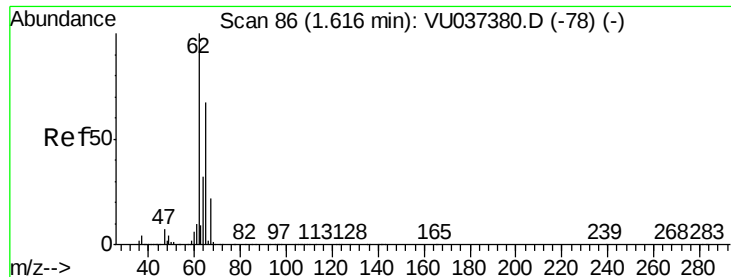
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 28 01:55:20 2020
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#5

Vinyl chloride

Concen: 54.063 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037388.D

Acq: 27 Mar 2020 22:54

Instrument :

MSVOA_U

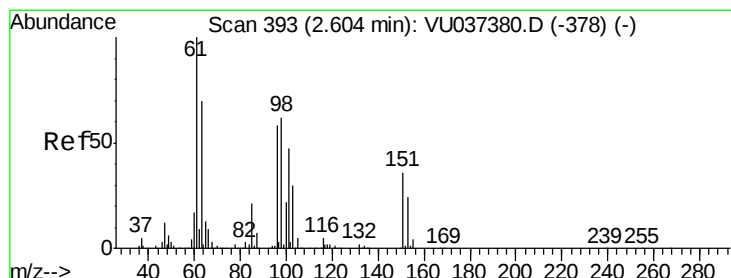
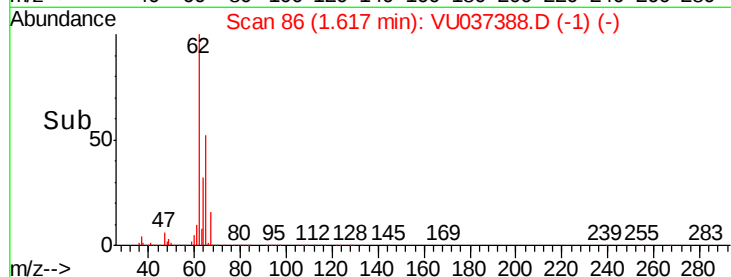
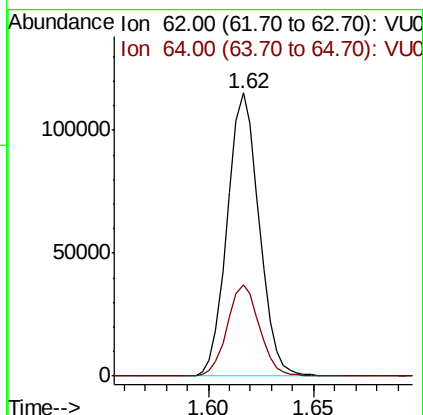
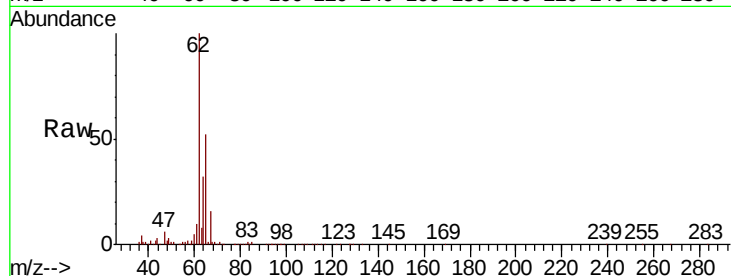
ClientSampled :

Tot Ion: 62 Resp: 120688

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



#12

1,1-Dichloroethene

Concen: 1.000 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037388.D

Acq: 27 Mar 2020 22:54

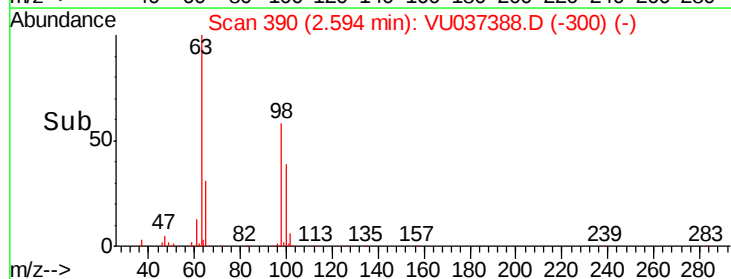
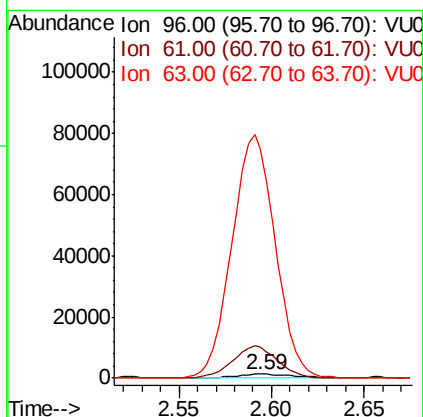
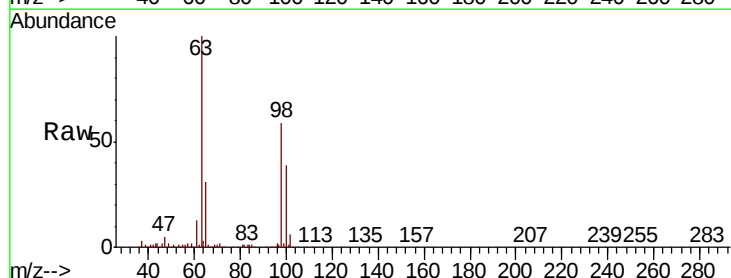
Tgt Ion: 96 Resp: 1939

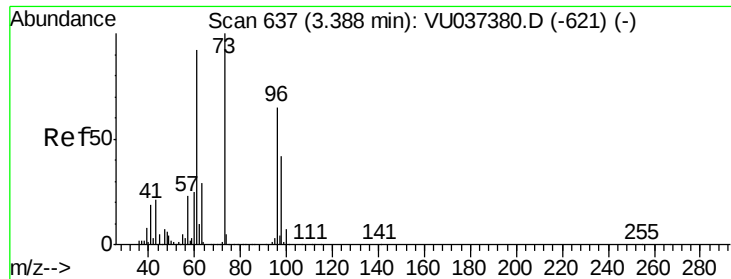
Ion Ratio Lower Upper

96 100

61 736.4 120.0 222.8#

63 5525.1 83.3 154.7#





#17

trans-1,2-Dichloroethene

Concen: 1.065 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU037388.D

Acq: 27 Mar 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

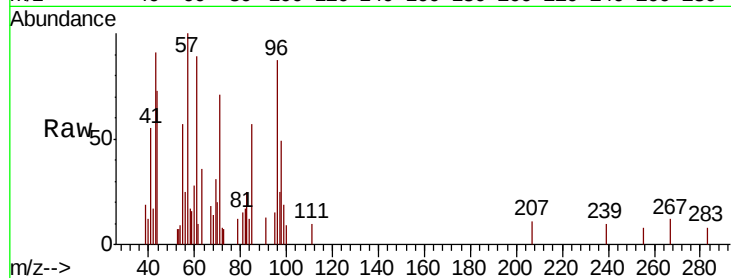
Tot Ion: 96 Resp: 2170

Ion Ratio Lower Upper

96 100

61 114.6 96.6 179.4

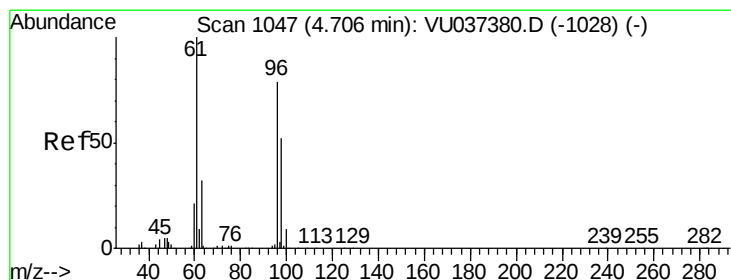
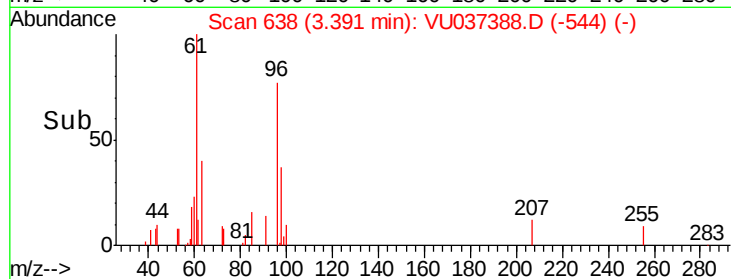
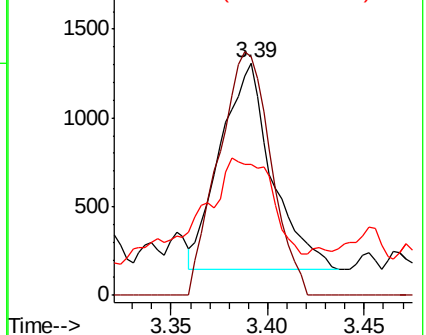
98 56.2 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VU037388.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU037388.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU037388.D (-544) (-)



#20

cis-1,2-Dichloroethene

Concen: 214.884 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037388.D

Acq: 27 Mar 2020 22:54

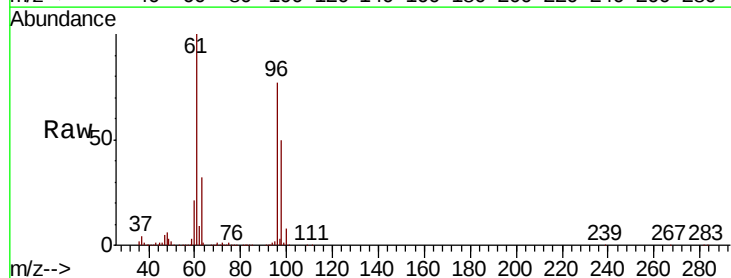
Tgt Ion: 96 Resp: 487746

Ion Ratio Lower Upper

96 100

61 129.1 89.4 166.0

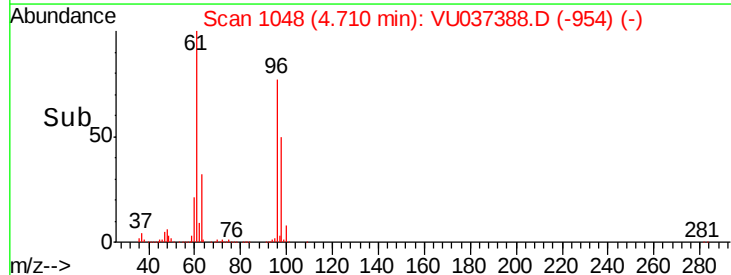
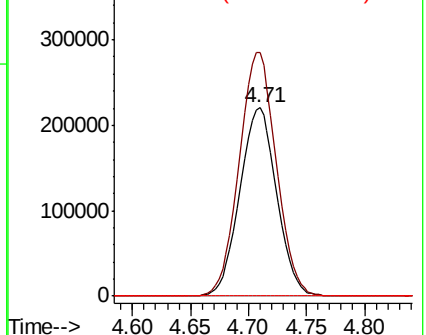
68 0.1 0.3 0.7#

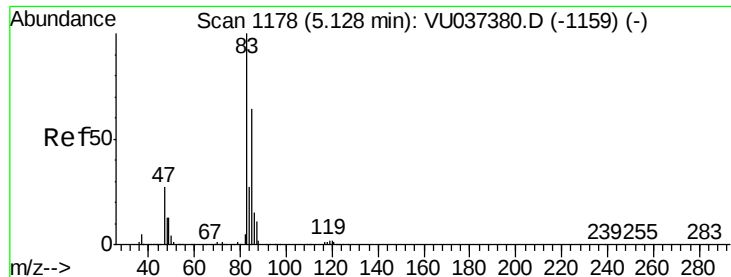


Abundance Ion 96.00 (95.70 to 96.70): VU037388.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037388.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037388.D (-954) (-)

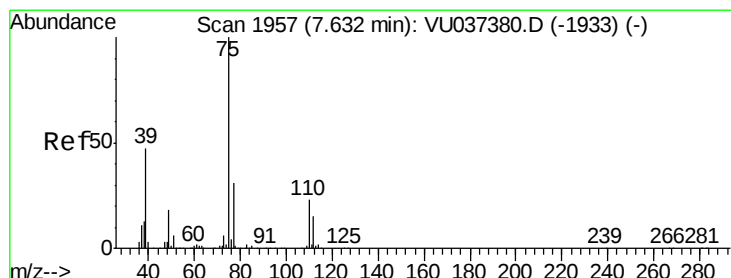
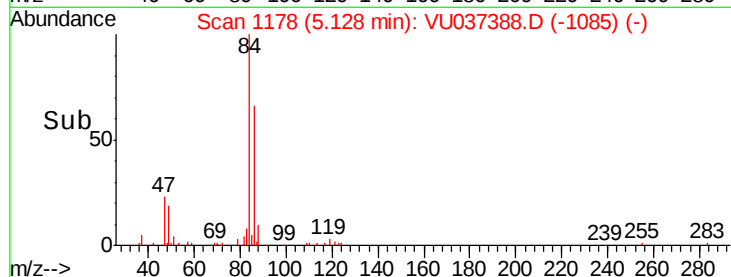
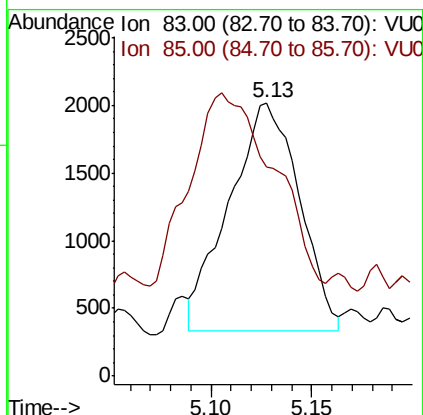
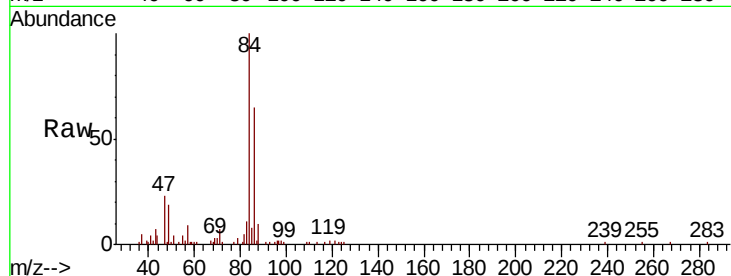




#25
Chloroform
Concen: 1.048 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037388.D
Acq: 27 Mar 2020 22:54

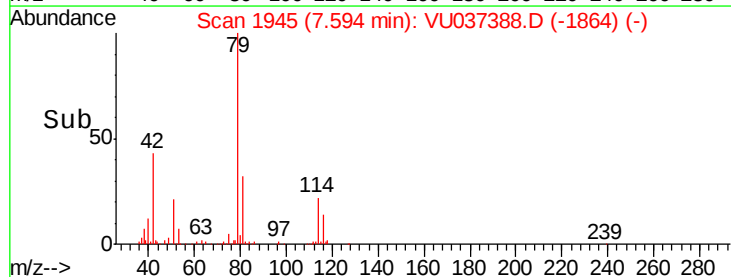
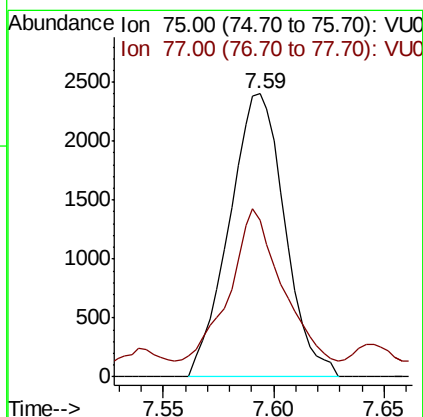
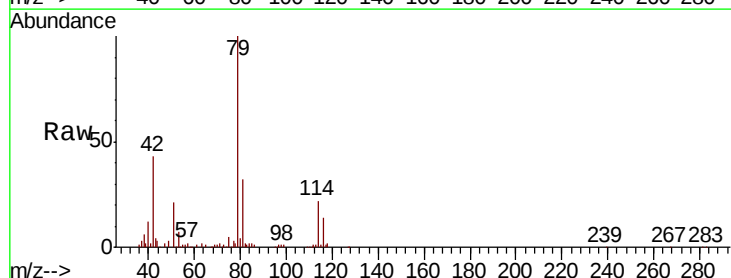
Instrument :
MSVOA_U
ClientSampleId :

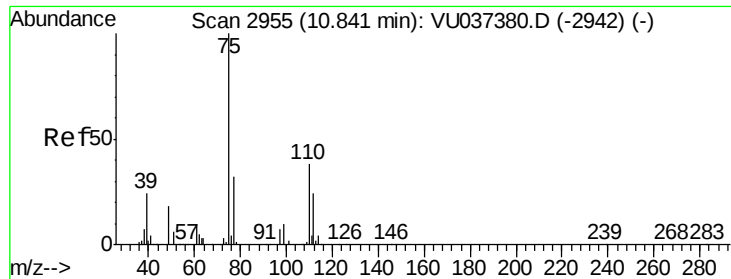
Tot Ion: 83 Resp: 4055
Ion Ratio Lower Upper
83 100
85 76.6 45.1 83.7



#39
cis-1,3-Dichloropropene
Concen: 1.119 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU037388.D
Acq: 27 Mar 2020 22:54

Tgt Ion: 75 Resp: 4202
Ion Ratio Lower Upper
75 100
77 55.3 22.5 41.9#





#59

1,2,3-Trichloropropane

Concen: 4.737 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037388.D

Acq: 27 Mar 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14529

Ion Ratio Lower Upper

75 100

77 41.4 25.6 38.4#

