

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039396.D
 Acq On : 09 Jul 2020 15:38
 Operator : SY/MD
 Sample : L3231-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4310

Quant Time: Jul 10 00:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	103524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96425	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28813	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.93	69	29015	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.58	63	45372	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.66	46	167406	60.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.96%
24) Chloroform-d	5.08	84	66585	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	45095	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.75	84	130420	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.70	67	47244	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.80%
41) Toluene-d8	7.91	98	116040	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
43) trans-1,3-Dichloropropene-	8.19	79	19076	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.64	63	123111	57.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.26%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43377	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46861	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

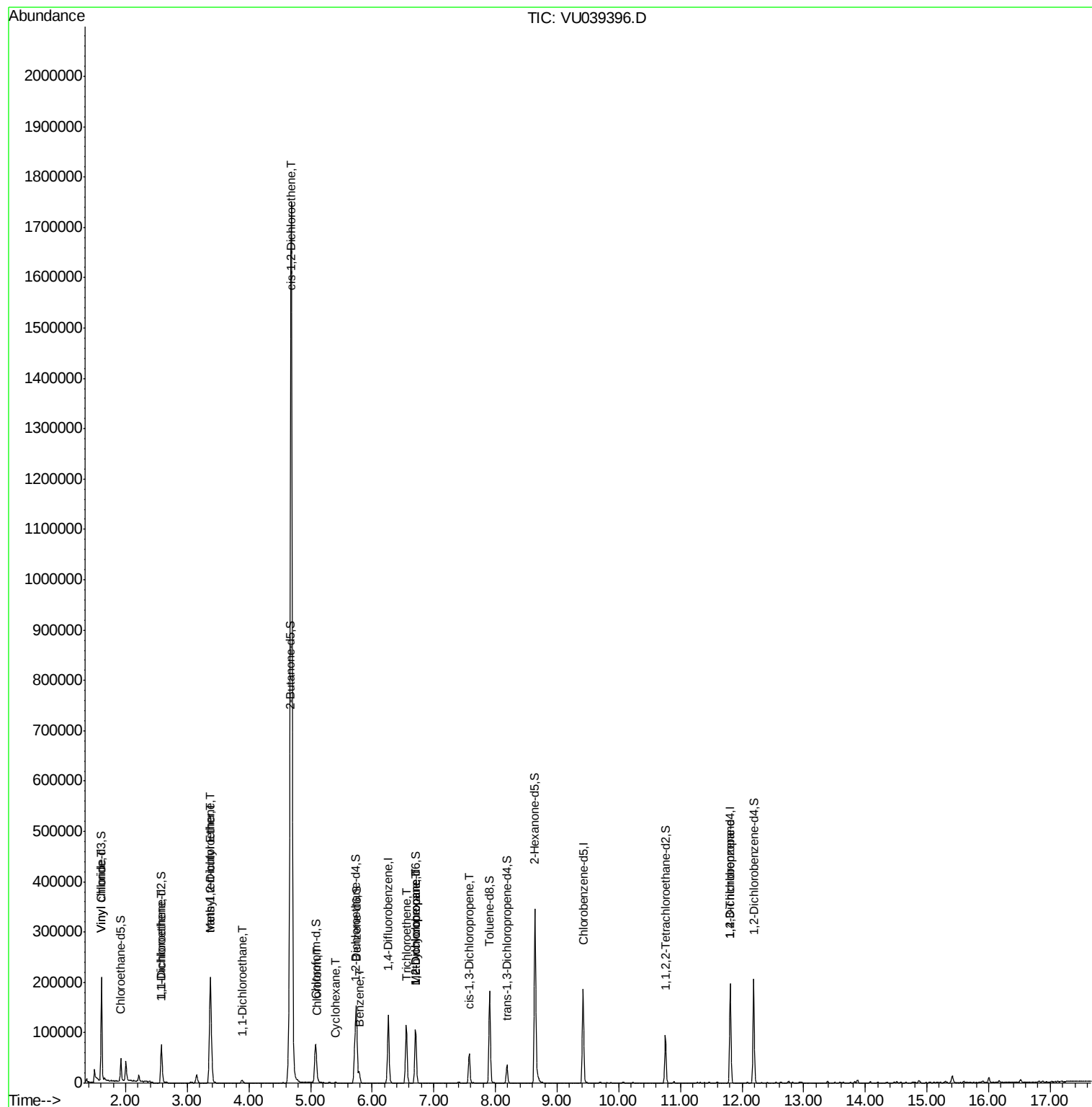
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	76480	9.060	ug/L	100
12) 1,1-Dichloroethene	2.59	96	1219	0.198	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	120145	6.193	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	44782	6.570	ug/L	98
19) 1,1-Dichloroethane	3.89	63	6758	0.507	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	825871	108.059	ug/L	92
25) Chloroform	5.11	83	4974	0.369	ug/L	84
30) Cyclohexane	5.39	56	870	0.073	ug/L #	89
33) Benzene	5.79	78	18421	0.639	ug/L	100
34) Trichloroethene	6.56	95	36319	4.873	ug/L	99
35) Methylcyclohexane	6.71	83	10404	0.871	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5591	0.711	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1462	0.123	ug/L #	56
59) 1,2,3-Trichloropropane	11.81	75	7215	1.246	ug/L	91

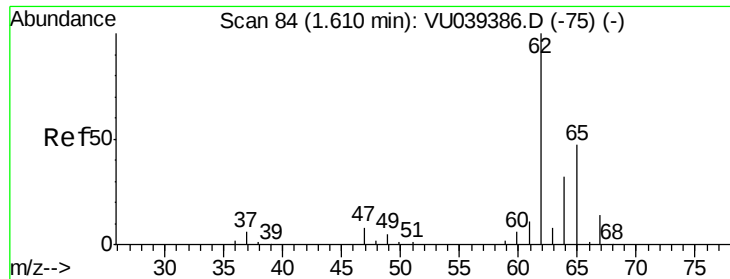
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 10 00:19:08 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.060 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

Instrument :

MSVOA_U

ClientSampled :

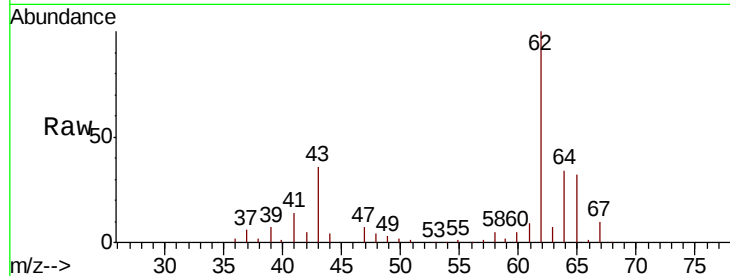
H4310

Tot Ion: 62 Resp: 76480

Ion Ratio Lower Upper

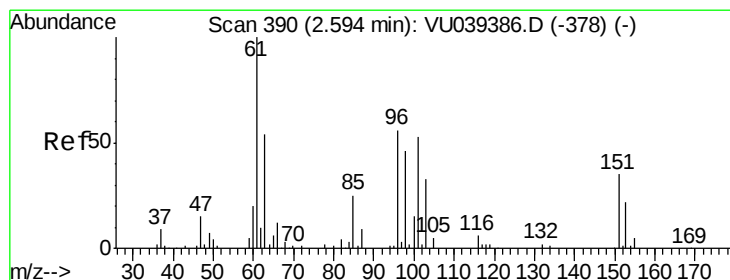
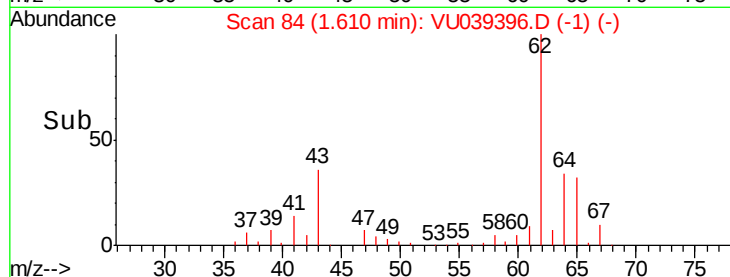
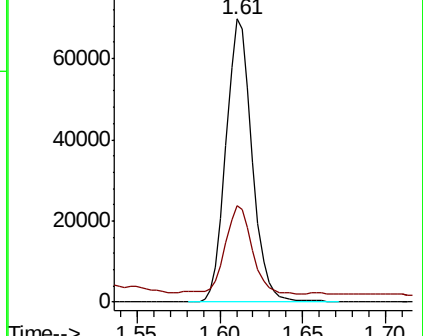
62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039396.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039396.D (-75) (-)



#12

1,1-Dichloroethene

Concen: 0.198 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

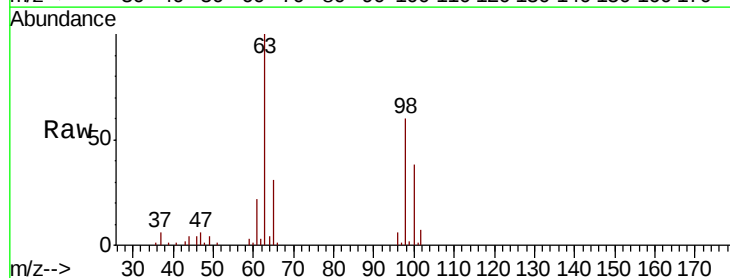
Tgt Ion: 96 Resp: 1219

Ion Ratio Lower Upper

96 100

61 371.1 125.4 232.8#

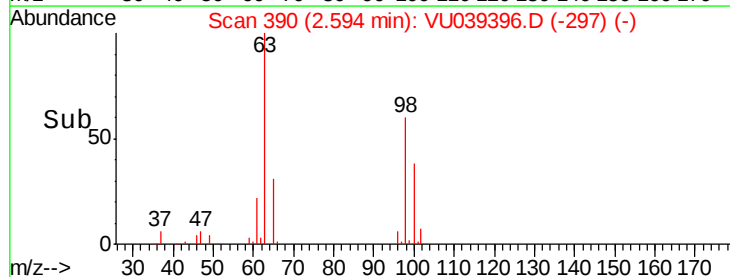
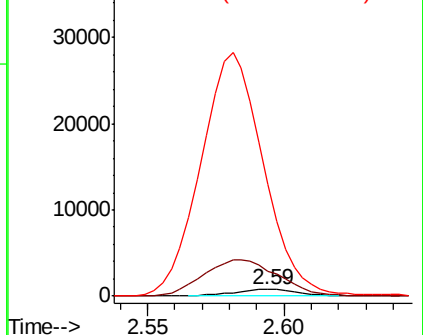
63 1662.5 92.7 172.3#

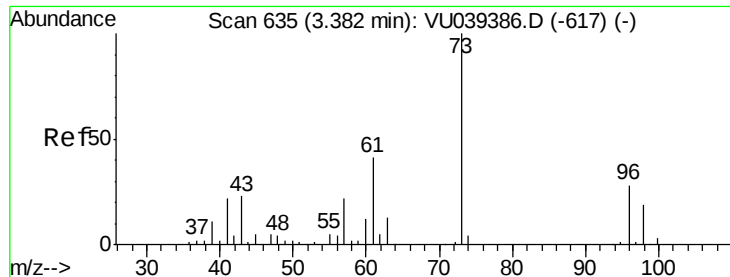


Abundance Ion 96.00 (95.70 to 96.70): VU039396.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU039396.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU039396.D (-378) (-)

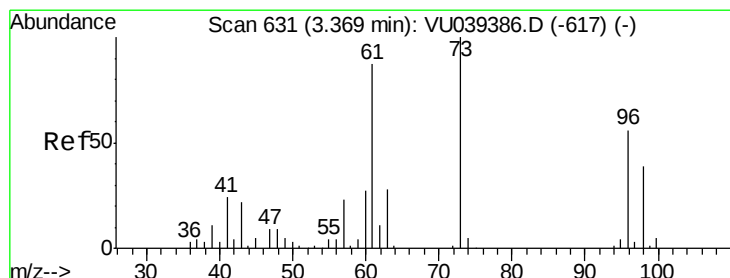
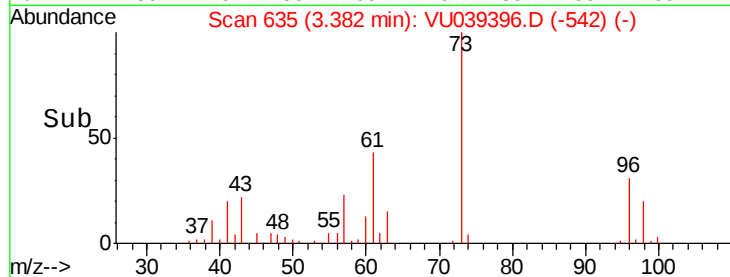
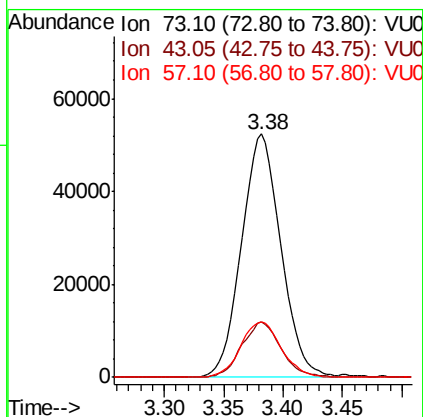
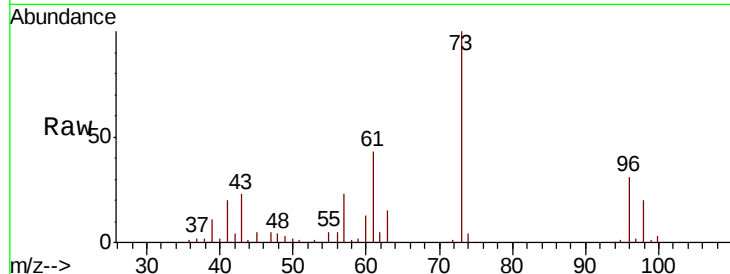




#17
Methvl tert-butvl Ether
Concen: 6.193 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

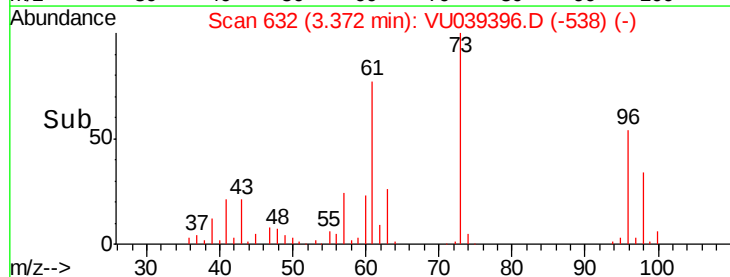
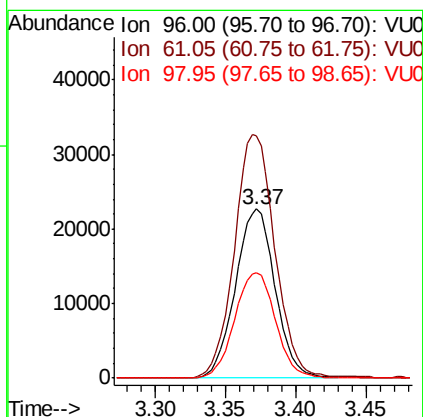
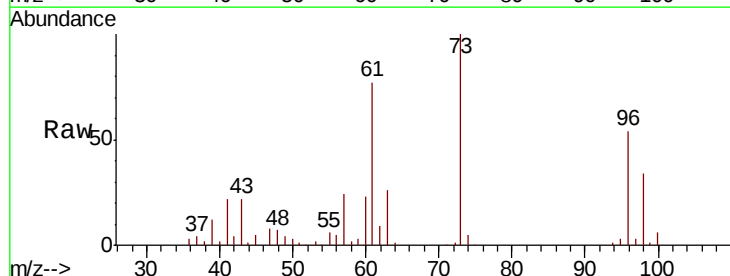
Instrument :
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ClientSampleId :
H4310

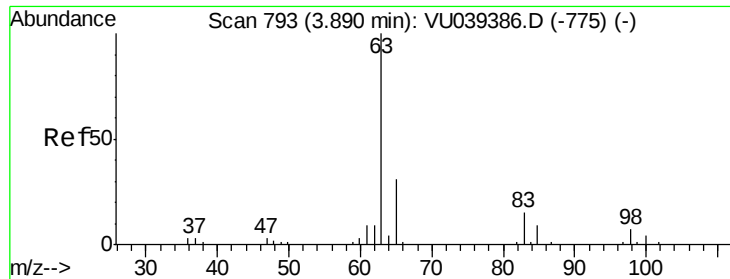
Tot Ion: 73 Resp: 120145
Ion Ratio Lower Upper
73 100
43 22.6 18.6 28.0
57 23.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 6.570 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

Tgt Ion: 96 Resp: 44782
Ion Ratio Lower Upper
96 100
61 144.0 102.1 189.5
98 62.8 42.5 78.9

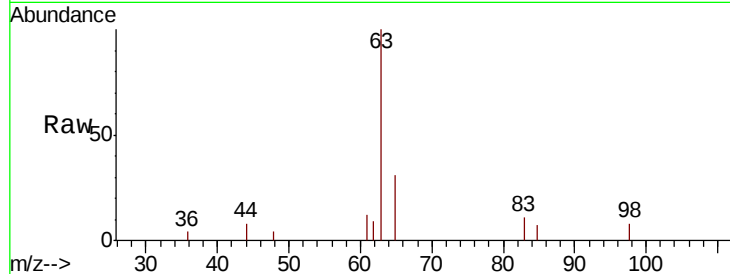




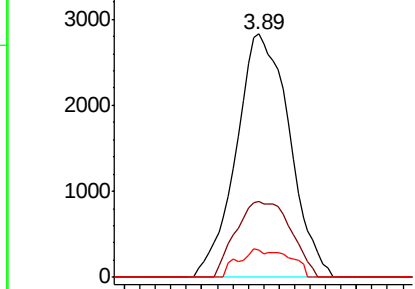
#19
 1,1-Dichloroethane
 Concen: 0.507 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039396.D
 Acq: 09 Jul 2020 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 H4310

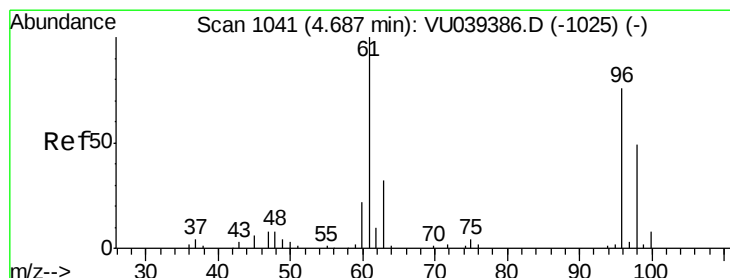
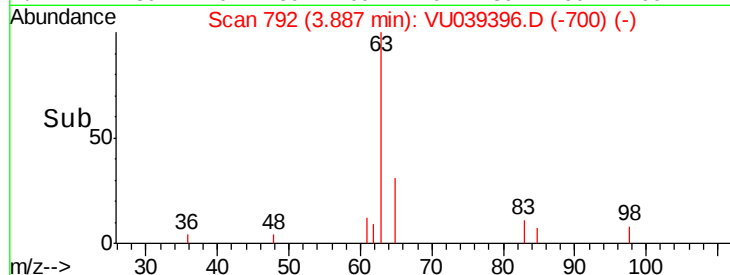
Tot Ion: 63 Resp: 6758
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.0 42.6
 83 11.2 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

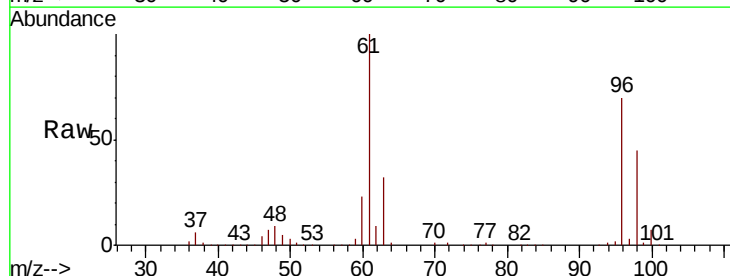


Time--> 3.80 3.85 3.90 3.95

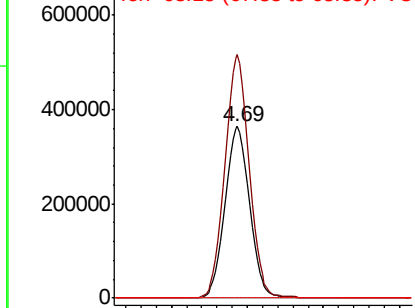


#22
 cis-1,2-Dichloroethene
 Concen: 108.059 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039396.D
 Acq: 09 Jul 2020 15:38

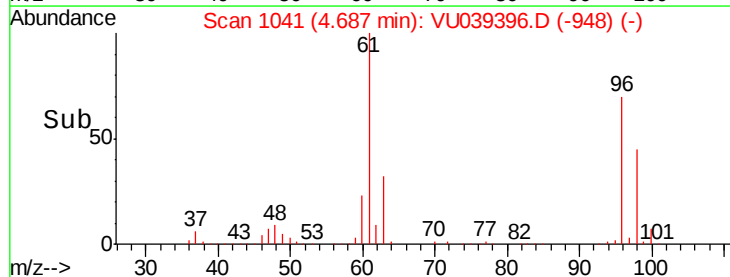
Tgt Ion: 96 Resp: 825871
 Ion Ratio Lower Upper
 96 100
 61 142.1 92.8 172.4
 68 0.0 0.0 0.0

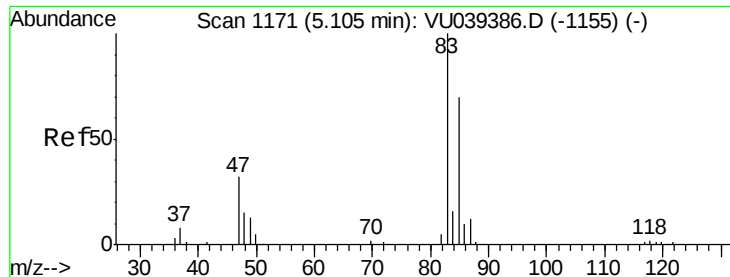


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



Time--> 4.60 4.70 4.80

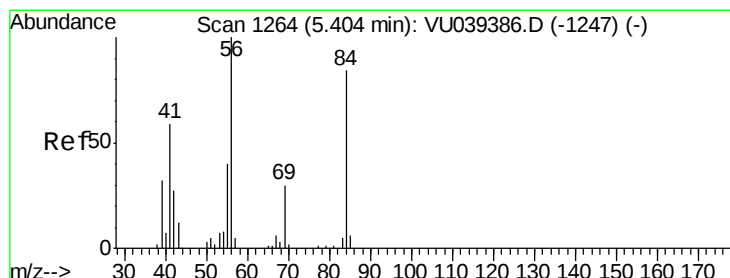
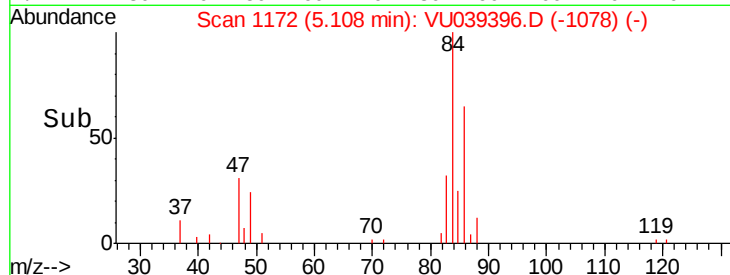
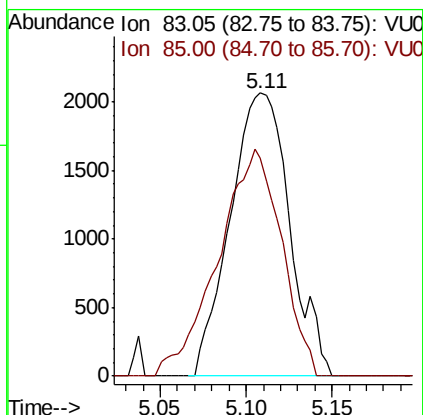
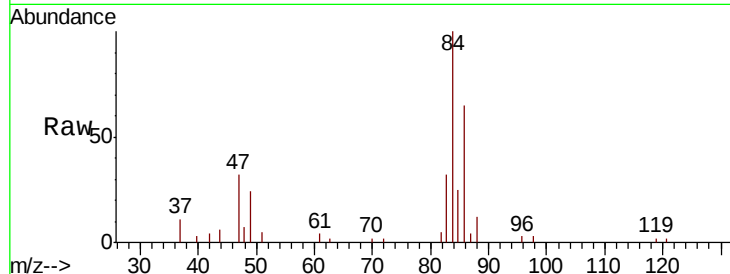




#25
Chloroform
Concen: 0.369 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

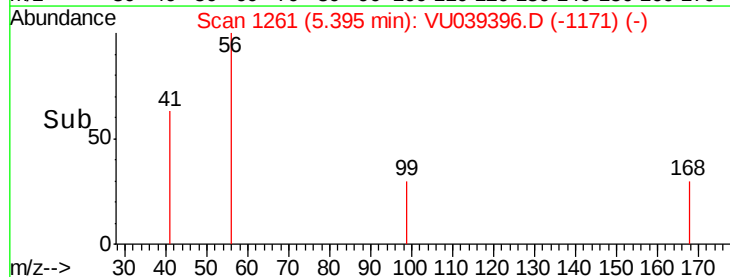
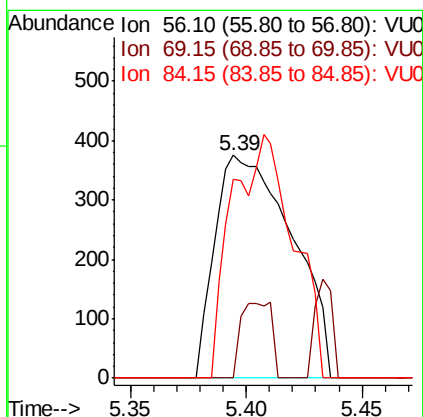
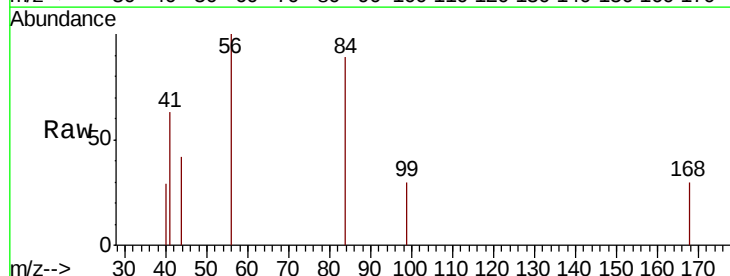
Instrument :
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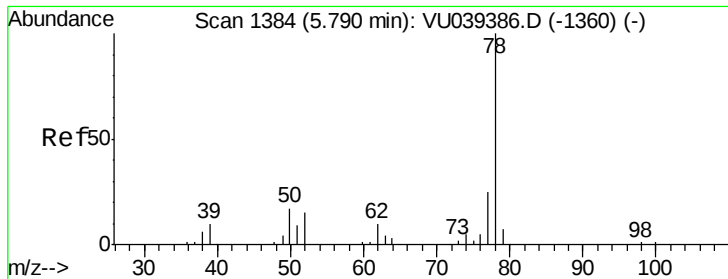
Tot Ion: 83 Resp: 4974
Ion Ratio Lower Upper
83 100
85 77.0 44.9 83.5



#30
Cyclohexane
Concen: 0.073 ug/L
RT: 5.39 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

Tgt Ion: 56 Resp: 870
Ion Ratio Lower Upper
56 100
69 13.4 24.1 36.1#
84 87.1 67.0 100.6





#33

Benzene

Concen: 0.639 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

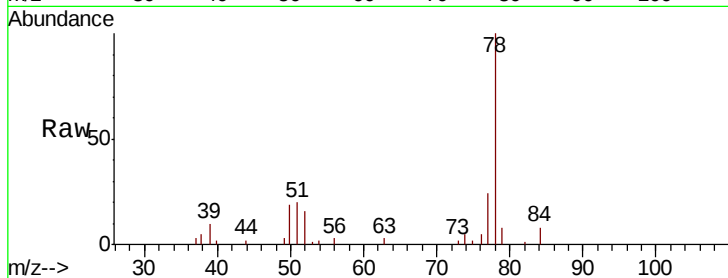
Instrument :

MSVOA_U

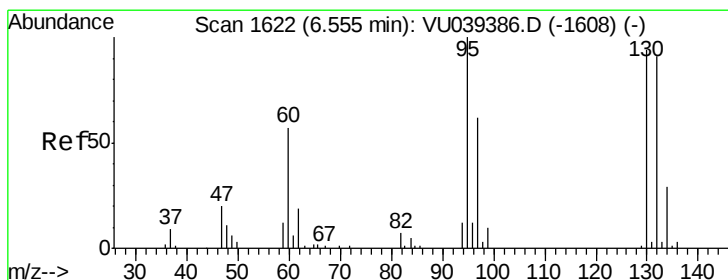
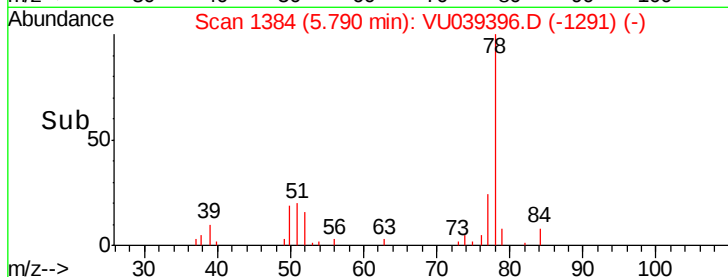
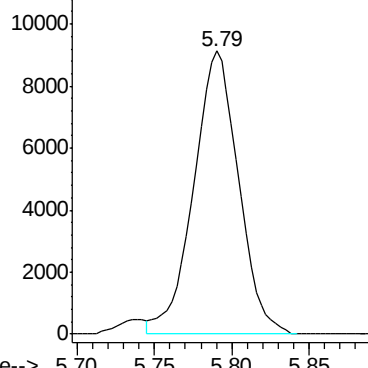
ClientSampleId :

H4310

Tgt Ion: 78 Resp: 18421



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.873 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039396.D

Acq: 09 Jul 2020 15:38

Tgt Ion: 95 Resp: 36319

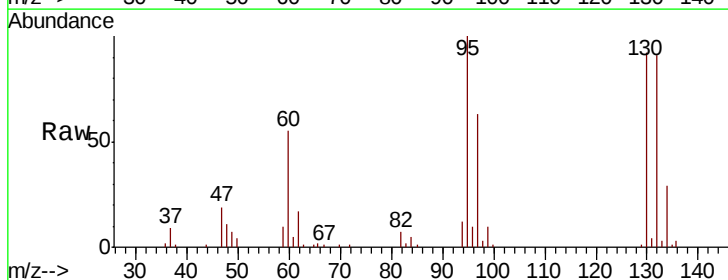
Ion	Ratio	Lower	Upper
95	100		
97	63.0	46.3	85.9
132	91.3	64.0	118.8
130	91.9	64.3	119.5

95 100

97 63.0 46.3 85.9

132 91.3 64.0 118.8

130 91.9 64.3 119.5

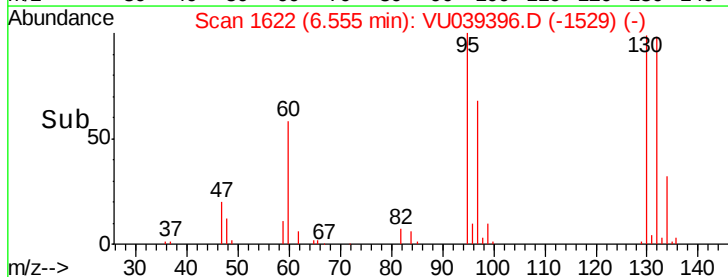
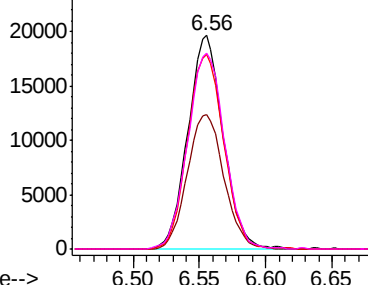


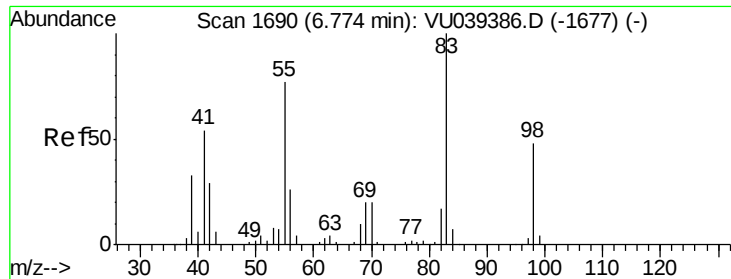
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

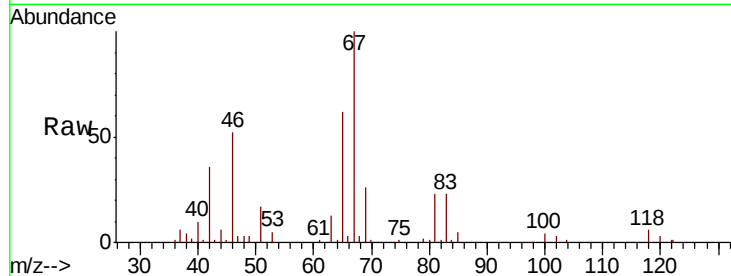




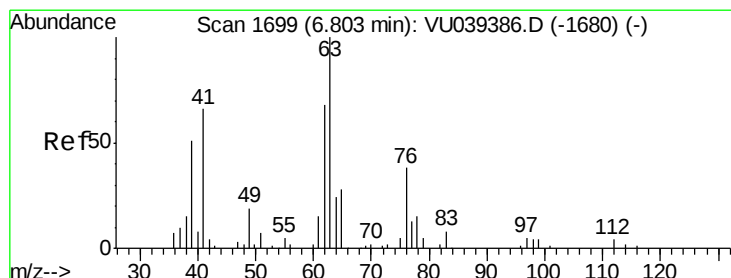
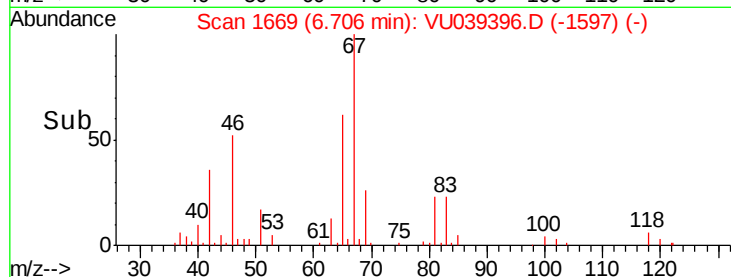
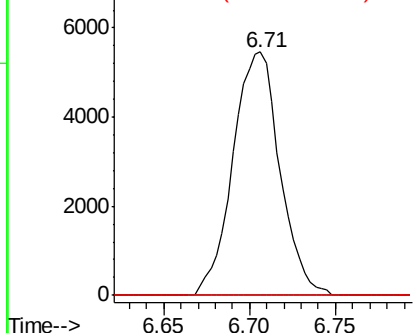
#35
Methvlcvclohexane
Concen: 0.871 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

Instrument :
MSVOA_U
ClientSampleId :
H4310

Tot Ion: 83 Resp: 10404
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 35.9 53.9#

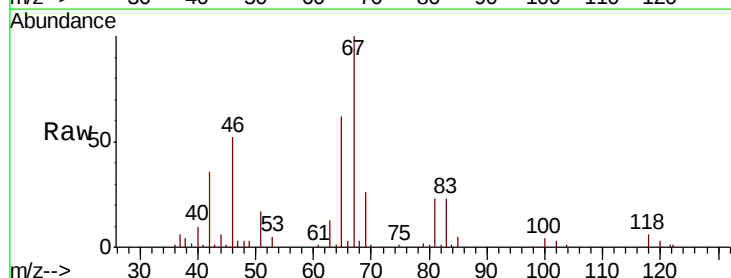


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

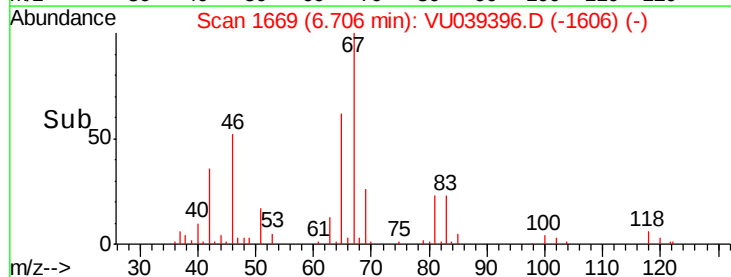
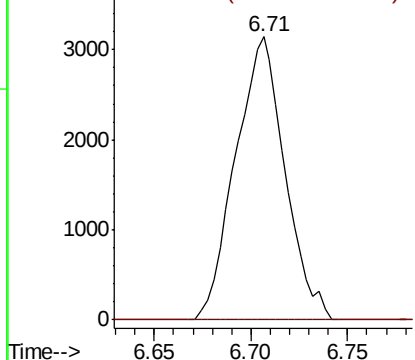


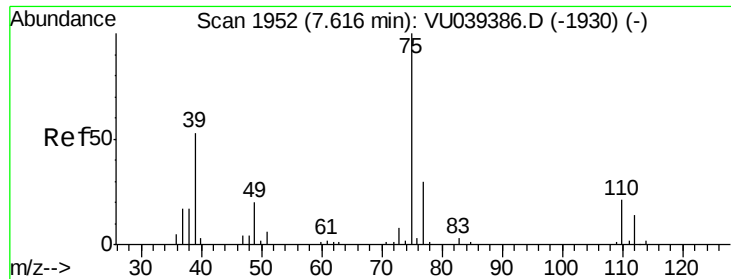
#37
1,2-Dichloropropane
Concen: 0.711 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039396.D
Acq: 09 Jul 2020 15:38

Tgt Ion: 63 Resp: 5591
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

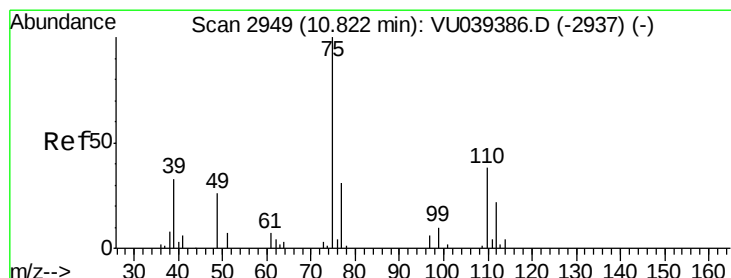
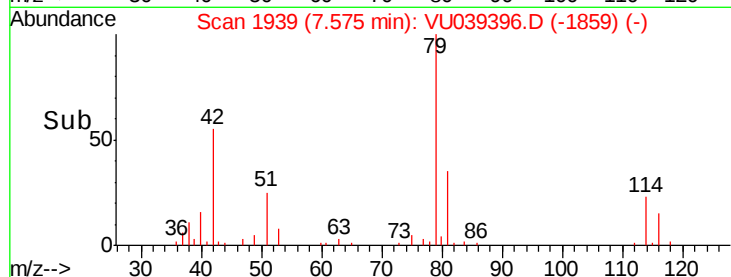
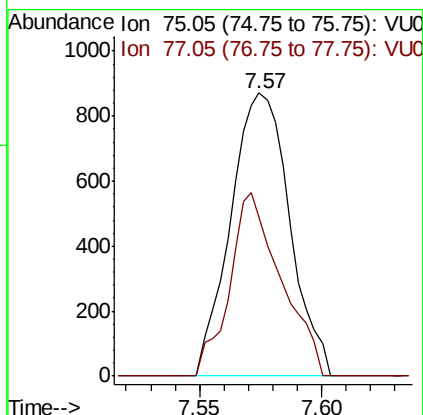
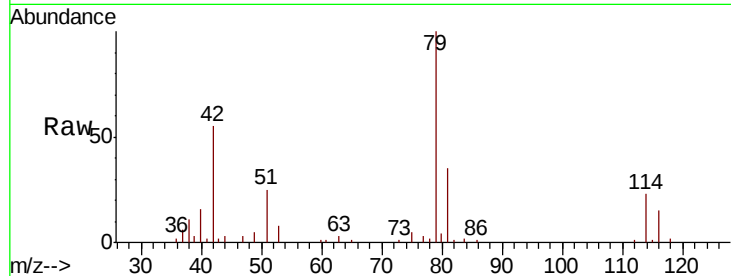




#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039396.D
 Acq: 09 Jul 2020 15:38

Instrument :
 MSVOA_U
 ClientSampleID :
 H4310

Tot Ion: 75 Resp: 1462
 Ion Ratio Lower Upper
 75 100
 77 56.1 22.3 41.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.246 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039396.D
 Acq: 09 Jul 2020 15:38

Tgt Ion: 75 Resp: 7215
 Ion Ratio Lower Upper
 75 100
 77 38.9 26.8 40.2

