

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039398.D
 Acq On : 09 Jul 2020 16:25
 Operator : SY/MD
 Sample : L3231-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284

Quant Time: Jul 10 00:22:10 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	95659	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	87790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42814	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26760	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.93	69	28238	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.58	63	41712	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.66	46	158204	62.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.72%
24) Chloroform-d	5.09	84	61795	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	43548	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.74	84	128058	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.20%
36) 1,2-Dichloropropane-d6	6.71	67	45156	6.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.60%
41) Toluene-d8	7.91	98	109335	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.40%
43) trans-1,3-Dichloropropene-	8.19	79	17691	5.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.00%
46) 2-Hexanone-d5	8.64	63	115350	59.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.60%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	41350	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	44636	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	75903	9.731 ug/L	100
8) Chloroethane	1.93	64	530	0.094 ug/L #	62
12) 1,1-Dichloroethene	2.60	96	1478	0.260 ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	117459	6.552 ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	45740	7.262 ug/L	96
19) 1,1-Dichloroethane	3.90	63	6721	0.545 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	839351	118.853 ug/L	97
25) Chloroform	5.11	83	5877	0.472 ug/L	86
33) Benzene	5.79	78	18353	0.699 ug/L	100
34) Trichloroethene	6.56	95	38590	5.687 ug/L	98
35) Methylcyclohexane	6.70	83	9772	0.899 ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5232	0.731 ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1538	0.142 ug/L	85
48) 2-Hexanone	8.70	43	4993	1.135 ug/L #	83
59) 1,2,3-Trichloropropane	11.81	75	6728	1.276 ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
Data File : VU039398.D
Acq On : 09 Jul 2020 16:25
Operator : SY/MD
Sample : L3231-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4284

Quant Time: Jul 10 00:22:10 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

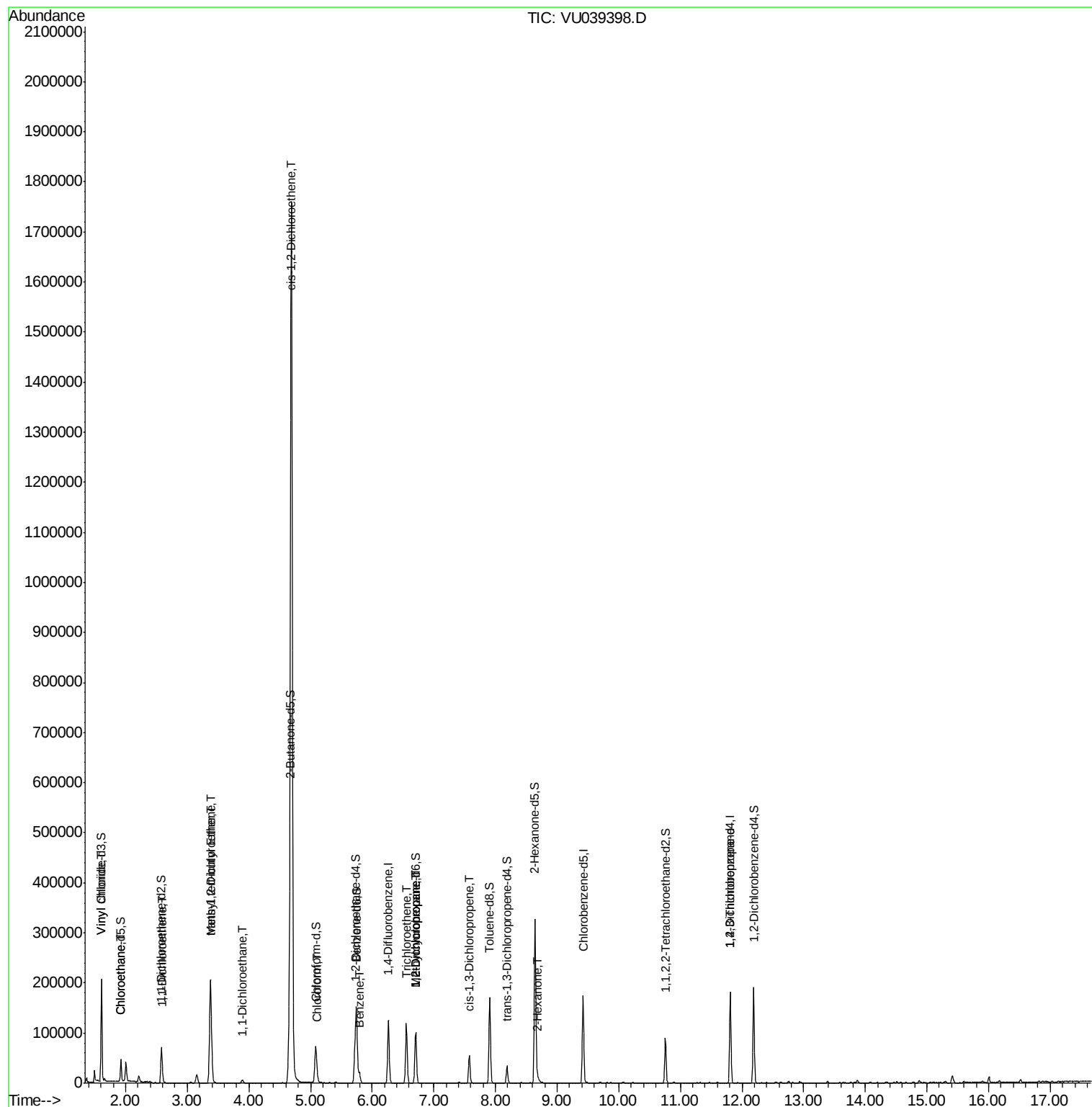
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

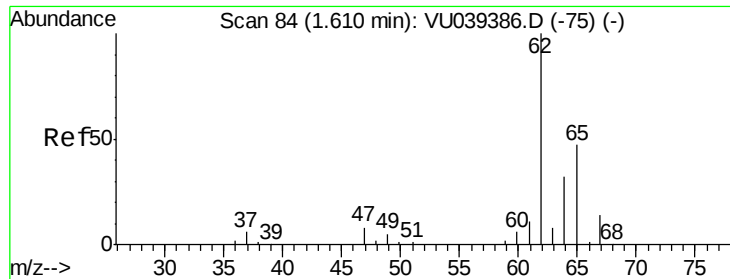
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
Data File : VU039398.D
Acq On : 09 Jul 2020 16:25
Operator : SY/MD
Sample : L3231-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4284

Quant Time: Jul 10 00:22:10 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





#5

Vinyl chloride

Concen: 9.731 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampled :

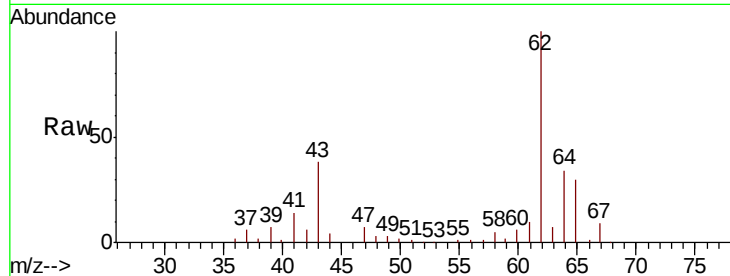
H4284

Tot Ion: 62 Resp: 75903

Ion Ratio Lower Upper

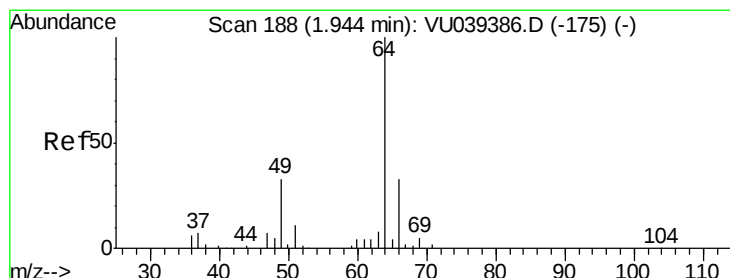
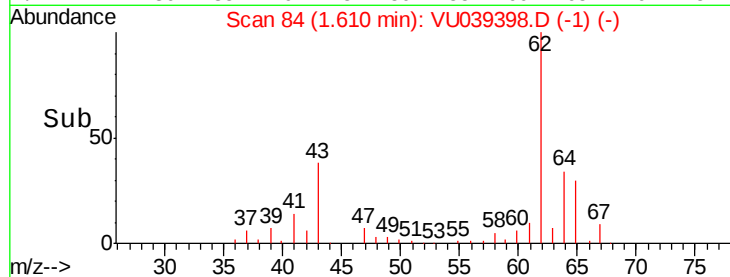
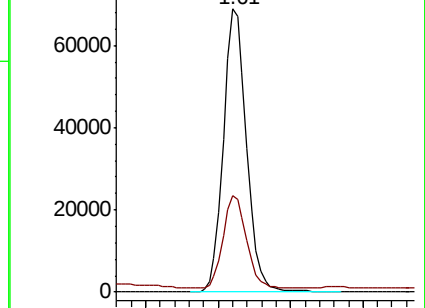
62 100

64 34.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039398.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039398.D (-75) (-)



#8

Chloroethane

Concen: 0.094 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU039398.D

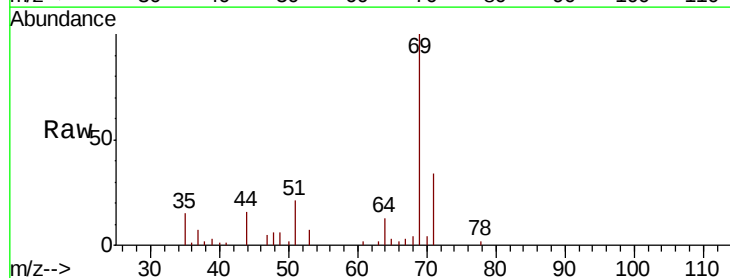
Acq: 09 Jul 2020 16:25

Tgt Ion: 64 Resp: 530

Ion Ratio Lower Upper

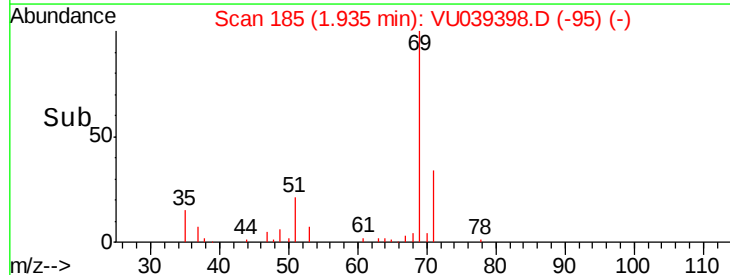
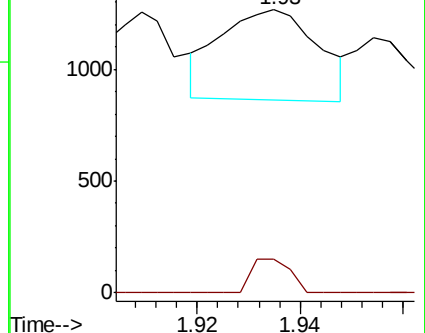
64 100

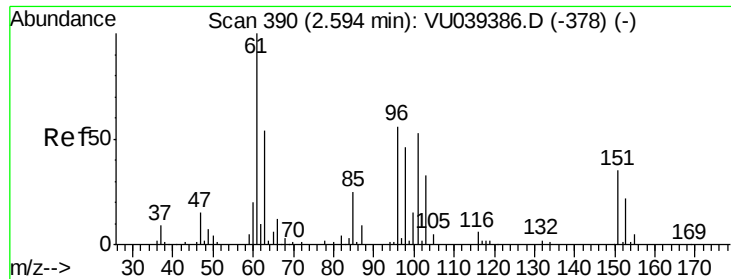
66 11.9 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039398.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU039398.D (-175) (-)





#12

1,1-Dichloroethene

Concen: 0.260 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

H4284

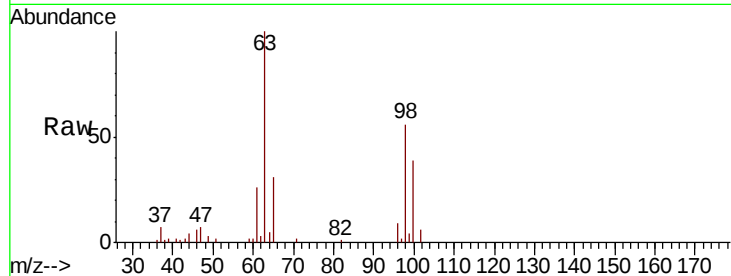
Tot Ion: 96 Resp: 1478

Ion Ratio Lower Upper

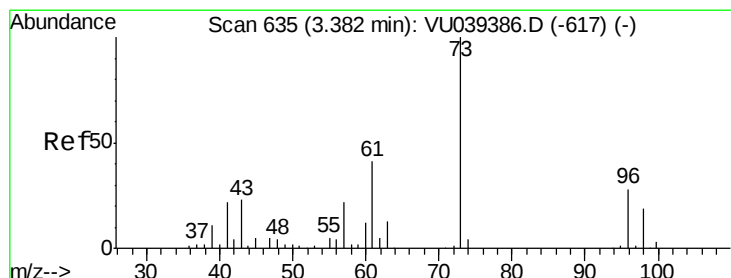
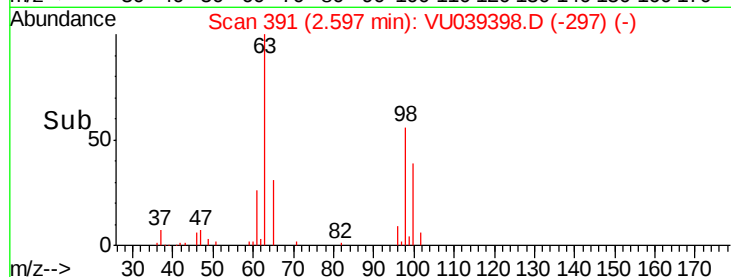
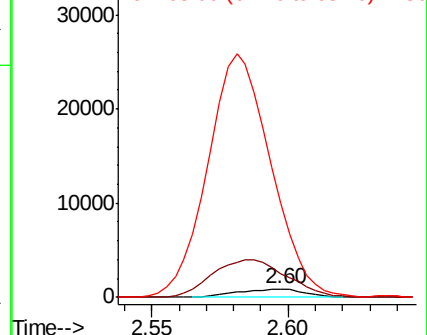
96 100

61 285.3 125.4 232.8#

63 1118.5 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#17

Methyl tert-butyl Ether

Concen: 6.552 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

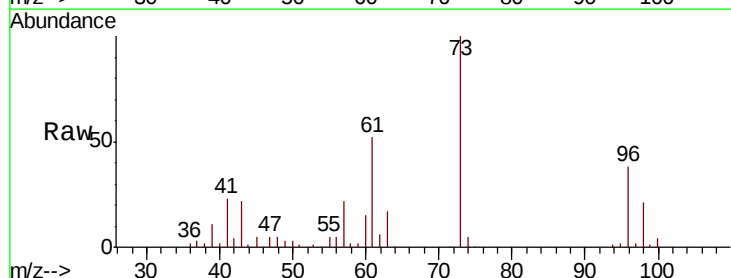
Tgt Ion: 73 Resp: 117459

Ion Ratio Lower Upper

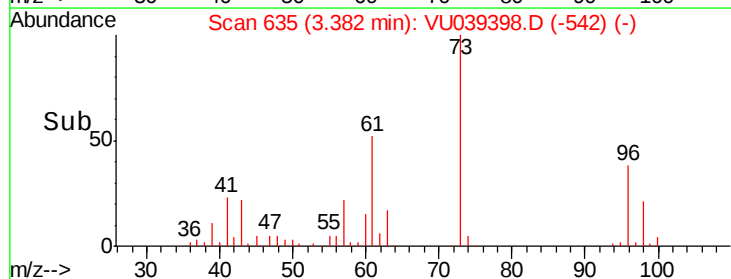
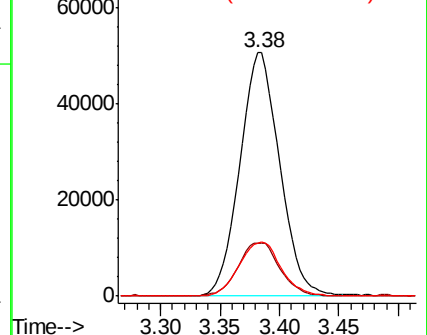
73 100

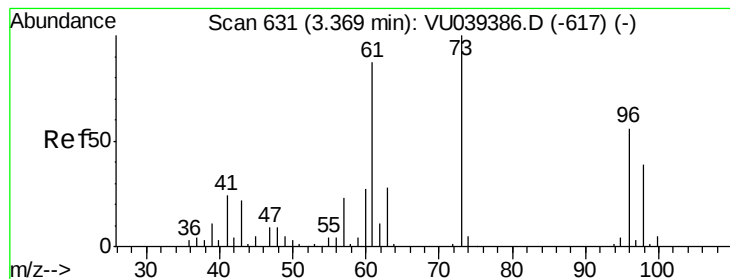
43 23.2 18.6 28.0

57 23.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 7.262 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampled :

H4284

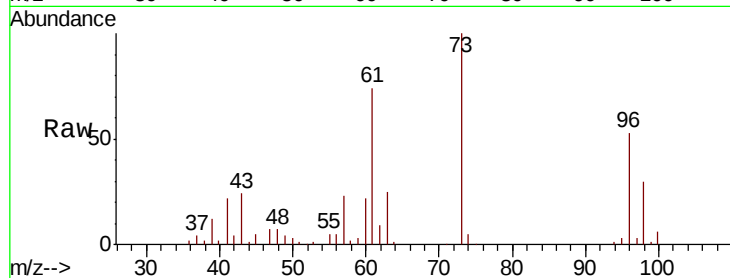
Tot Ion: 96 Resp: 45740

Ion Ratio Lower Upper

96 100

61 140.0 102.1 189.5

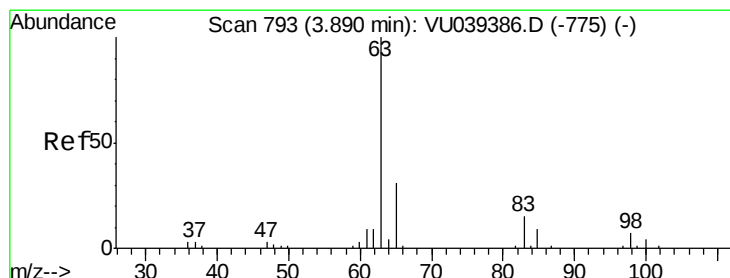
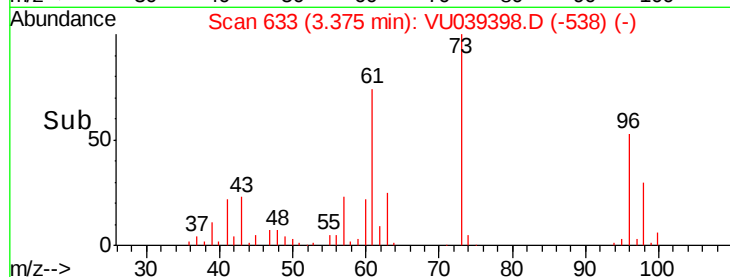
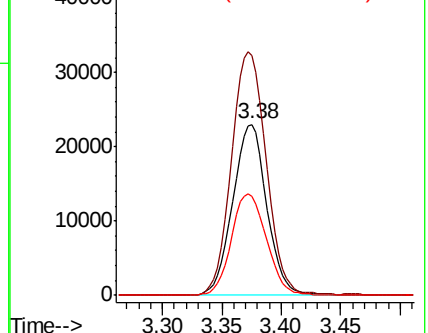
98 57.6 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.545 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

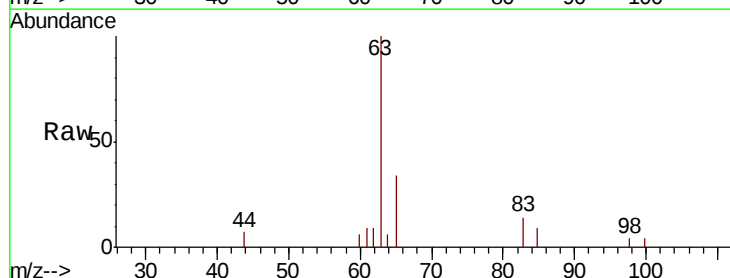
Tgt Ion: 63 Resp: 6721

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.6

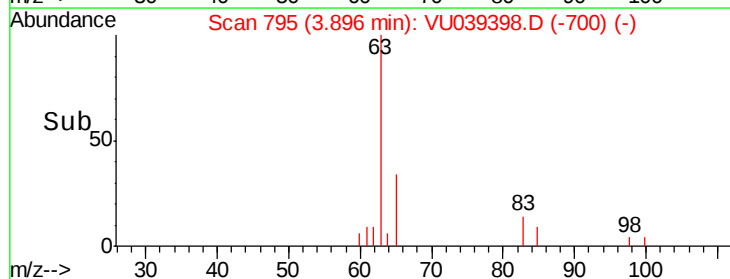
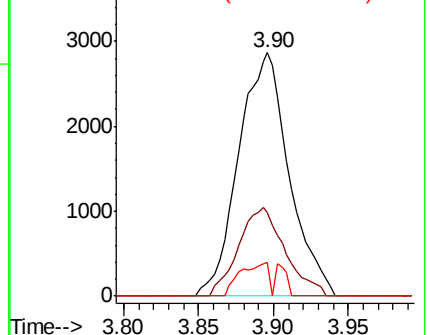
83 13.2 9.6 17.8

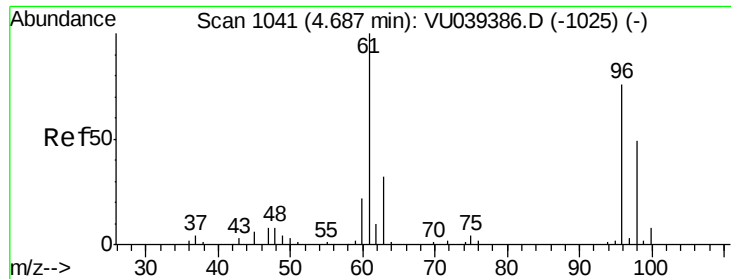


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

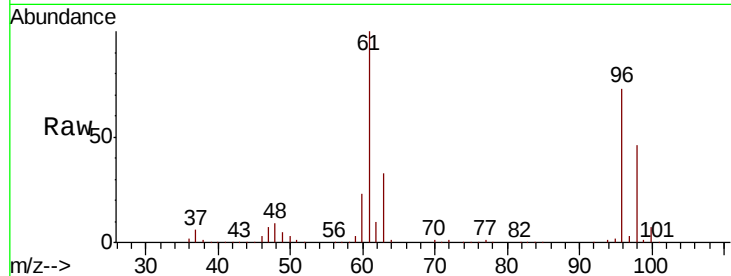




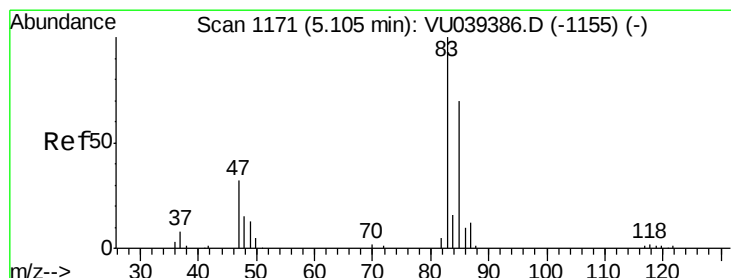
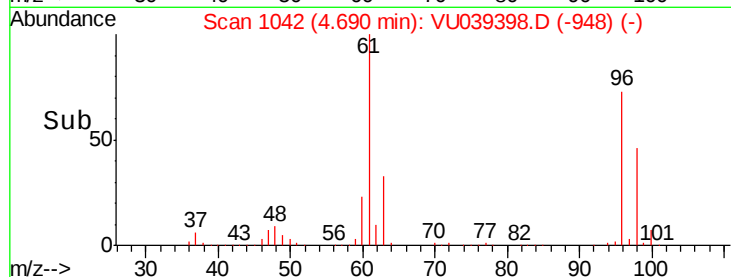
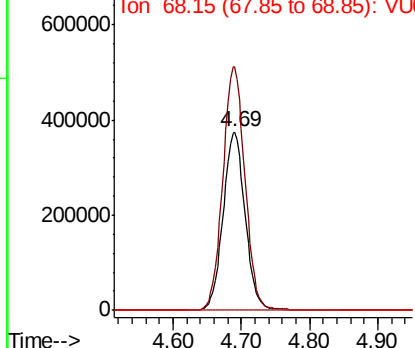
#22
 cis-1,2-Dichloroethene
 Concen: 118.853 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 H4284

Tot Ion: 96 Resp: 839351
 Ion Ratio Lower Upper
 96 100
 61 136.1 92.8 172.4
 68 0.0 0.0 0.0

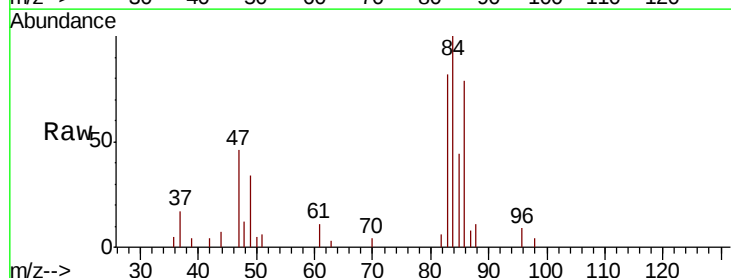


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

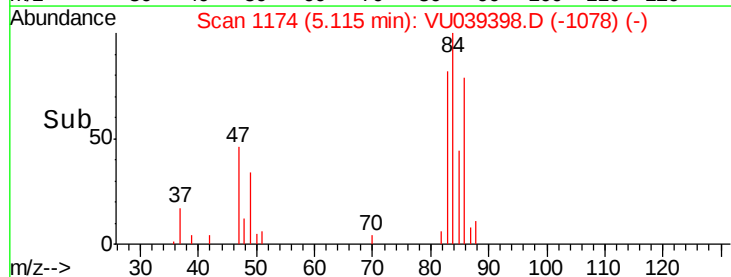
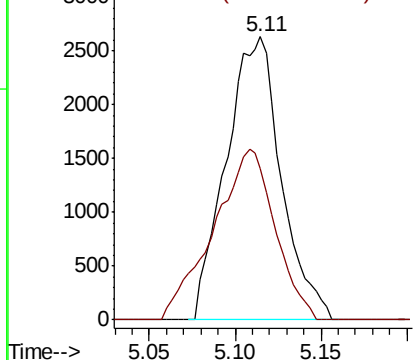


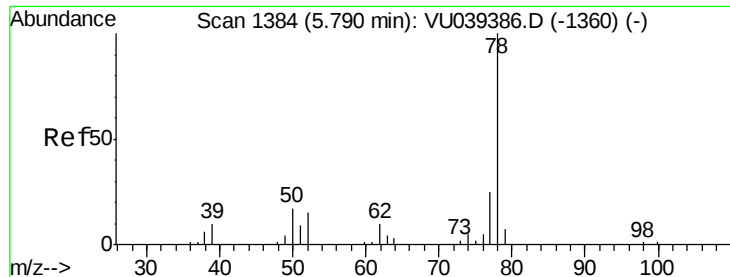
#25
 Chloroform
 Concen: 0.472 ug/L
 RT: 5.11 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25

Tgt Ion: 83 Resp: 5877
 Ion Ratio Lower Upper
 83 100
 85 53.4 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.699 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

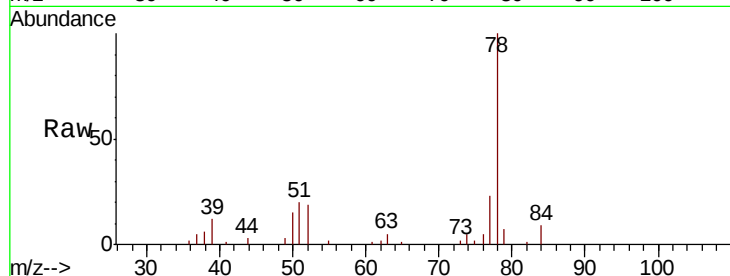
Instrument :

MSVOA_U

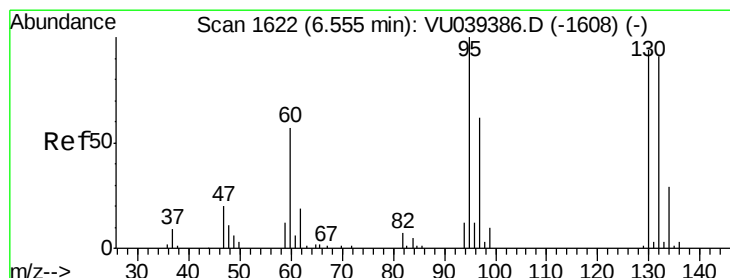
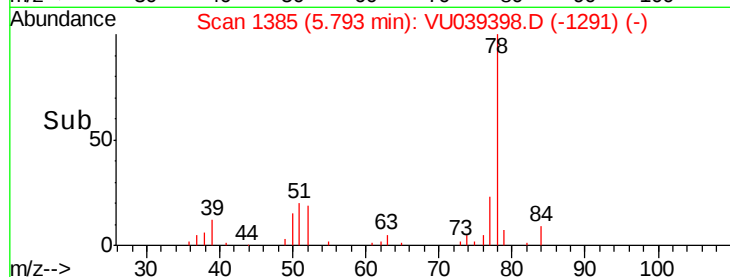
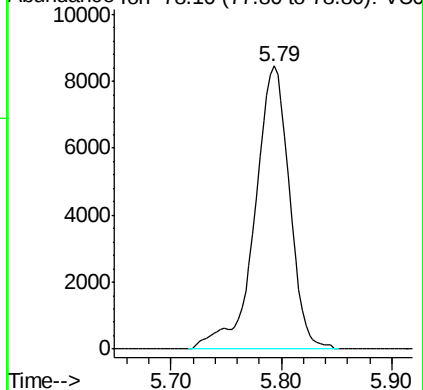
ClientSampleId :

H4284

Tgt Ion: 78 Resp: 18353



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.687 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Tgt Ion: 95 Resp: 38590

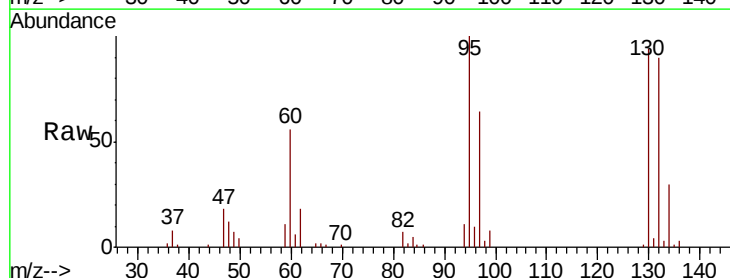
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.3	85.9
132	89.8	64.0	118.8
130	94.2	64.3	119.5

95 100

97 64.4 46.3 85.9

132 89.8 64.0 118.8

130 94.2 64.3 119.5

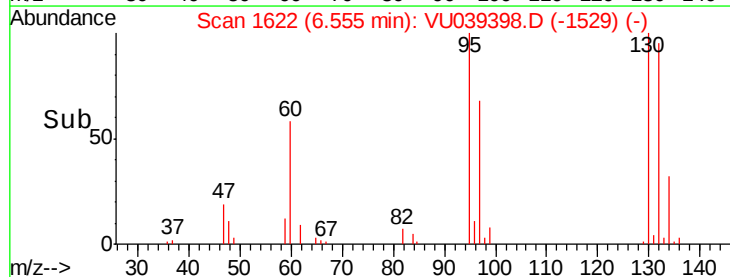
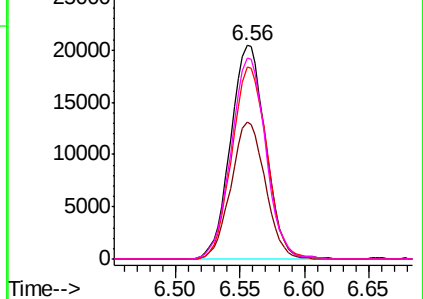


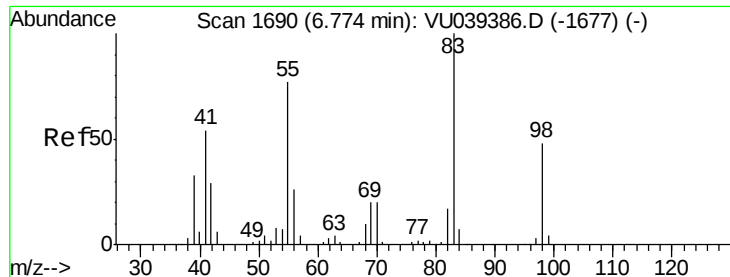
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

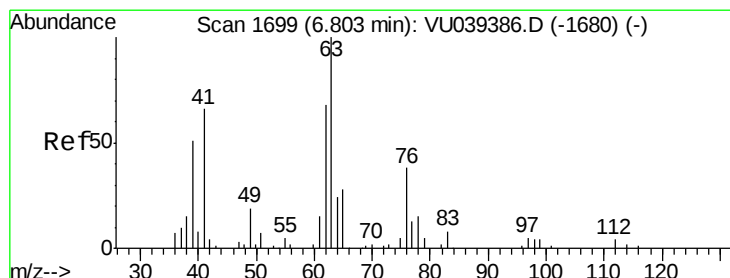
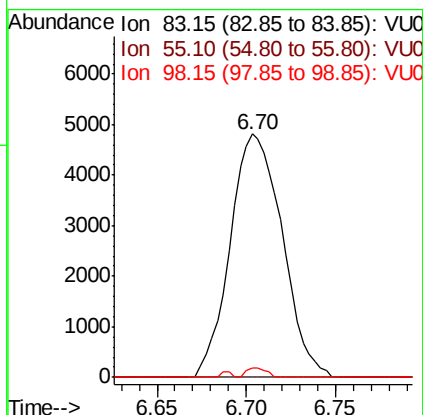
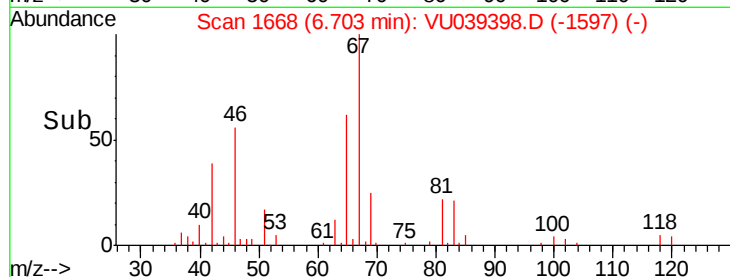
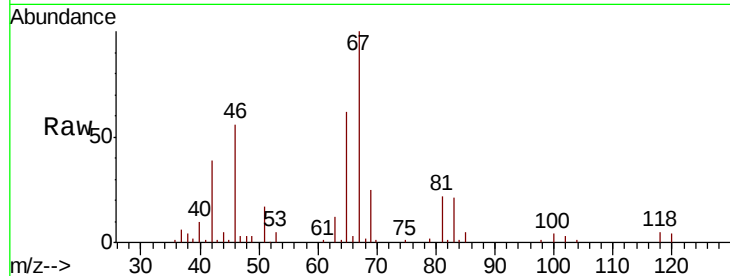




#35
Methvlcvclohexane
Concen: 0.899 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039398.D
Acq: 09 Jul 2020 16:25

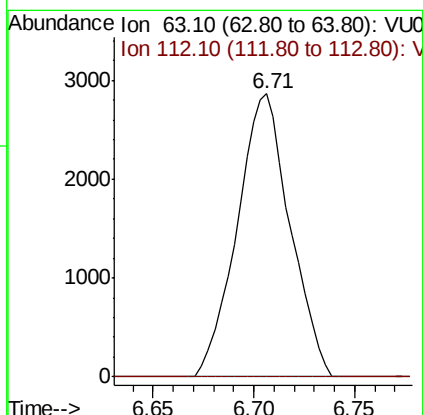
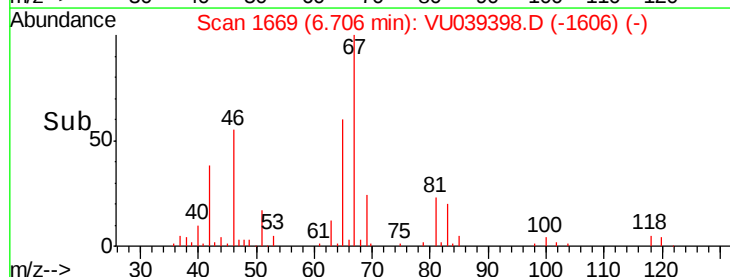
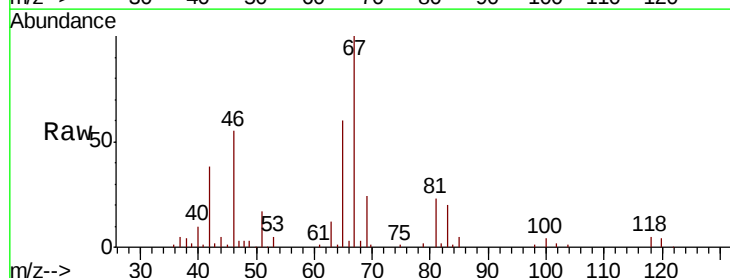
Instrument :
MSVOA_U
ClientSampleId :
H4284

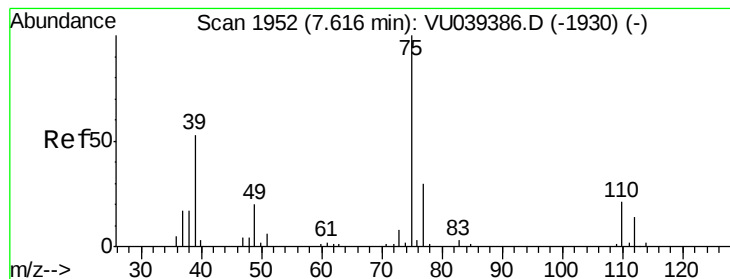
Tot Ion: 83 Resp: 9772
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 1.5 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.731 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039398.D
Acq: 09 Jul 2020 16:25

Tgt Ion: 63 Resp: 5232
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



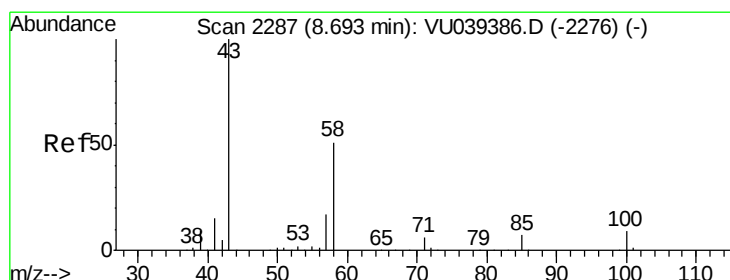
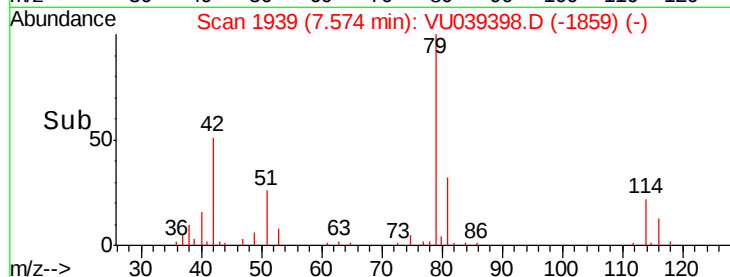
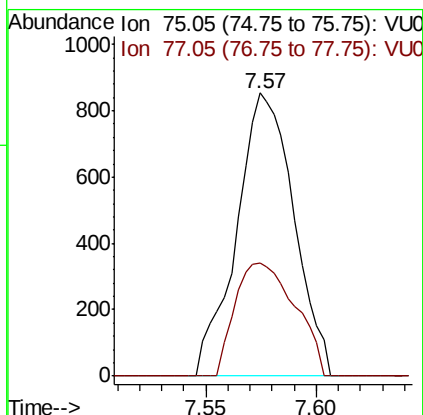
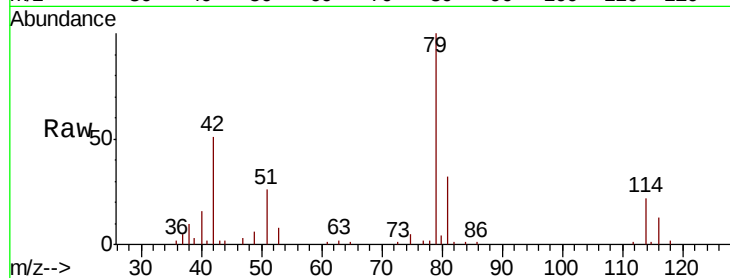


#39

cis-1,3-Dichloropropene
 Concen: 0.142 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25

Instrument :
 MSVOA_U
 ClientSampled :
 H4284

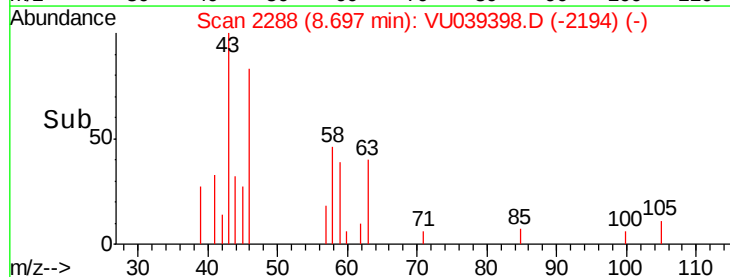
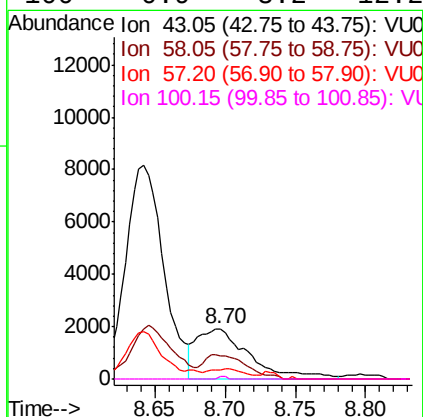
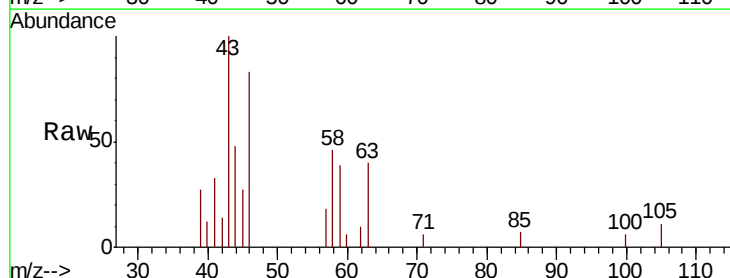
Tot Ion: 75 Resp: 1538
 Ion Ratio Lower Upper
 75 100
 77 40.0 22.3 41.3

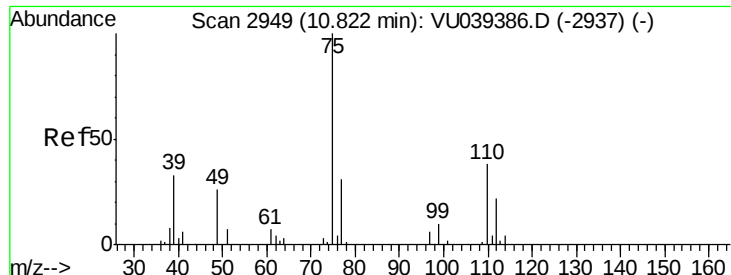


#48

2-Hexanone
 Concen: 1.135 ug/L
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU039398.D
 Acq: 09 Jul 2020 16:25

Tgt Ion: 43 Resp: 4993
 Ion Ratio Lower Upper
 43 100
 58 39.6 42.0 63.0#
 57 13.8 14.0 21.0#
 100 0.9 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.276 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039398.D

Acq: 09 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

H4284

Tot Ion: 75 Resp: 6728

Ion Ratio Lower Upper

75 100

77 39.4 26.8 40.2

