

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039356.D
 Acq On : 08 Jul 2020 18:39
 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 09 02:34:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104634	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46105	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32744	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.93	69	32153	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	50362	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	168872	60.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.72%
24) Chloroform-d	5.08	84	71447	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.72	65	47656	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.74	84	144870	6.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.20%
36) 1,2-Dichloropropane-d6	6.70	67	49021	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.60%
41) Toluene-d8	7.91	98	125229	6.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.80%
43) trans-1,3-Dichloropropene-	8.19	79	20074	5.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.00%
46) 2-Hexanone-d5	8.64	63	125632	58.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.06%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	45465	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49613	6.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	74989	8.790	ug/L	90
8) Chloroethane	1.93	64	802	0.130	ug/L #	50
12) 1,1-Dichloroethene	2.59	96	1639	0.263	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	124153	6.332	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	46653	6.772	ug/L	99
19) 1,1-Dichloroethane	3.89	63	7111	0.528	ug/L #	84
22) cis-1,2-Dichloroethene	4.69	96	861633	111.542	ug/L	92
25) Chloroform	5.11	83	2756	0.202	ug/L #	71
33) Benzene	5.79	78	19582	0.676	ug/L	100
34) Trichloroethene	6.56	95	38391	5.127	ug/L	97
35) Methylcyclohexane	6.71	83	10861	0.905	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5796	0.734	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1745	0.146	ug/L #	75
48) 2-Hexanone	8.69	43	4746	0.977	ug/L #	80
59) 1,2,3-Trichloropropane	11.81	75	7303	1.255	ug/L	89

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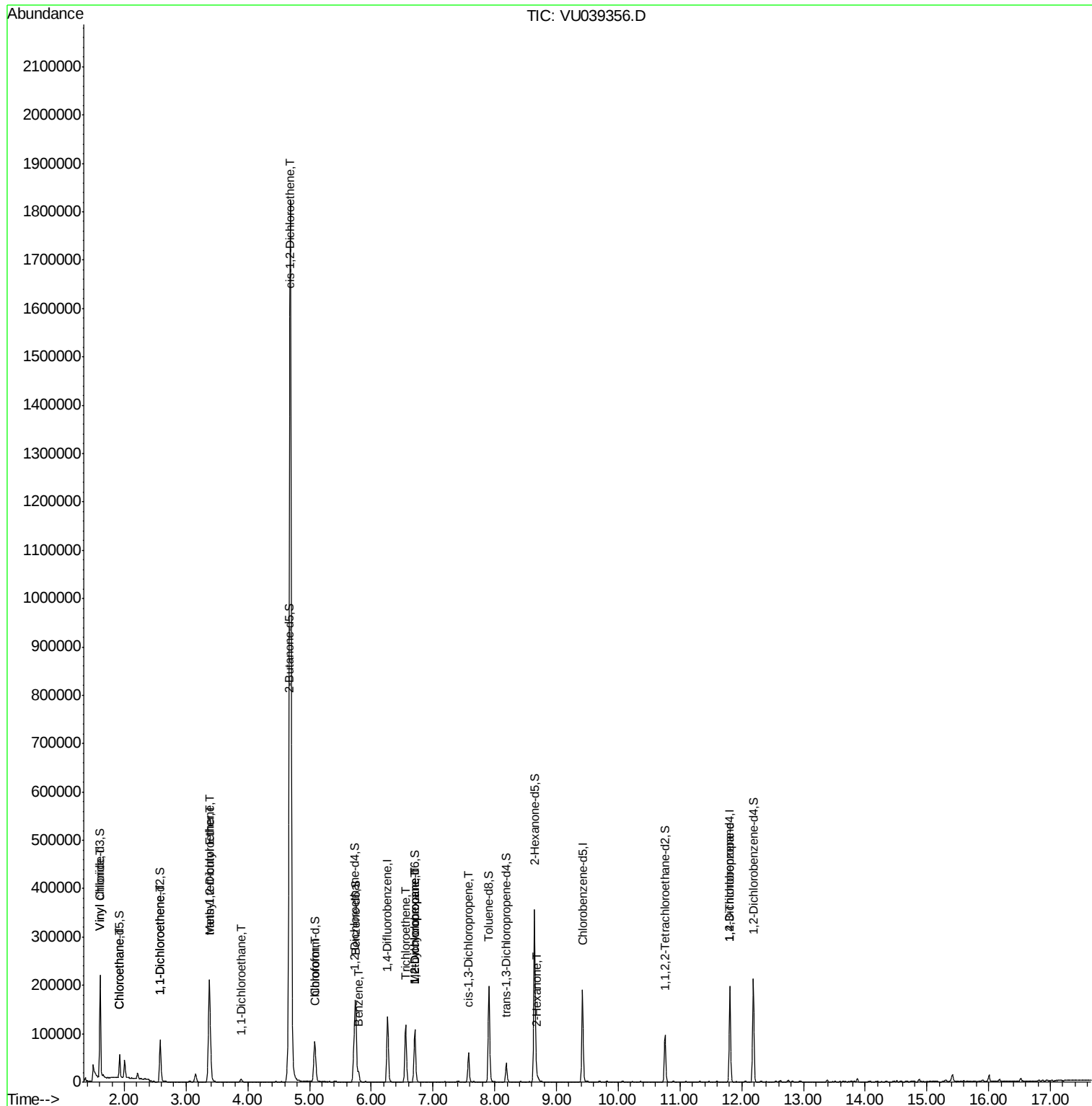
Quant Time: Jul 09 02:34:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
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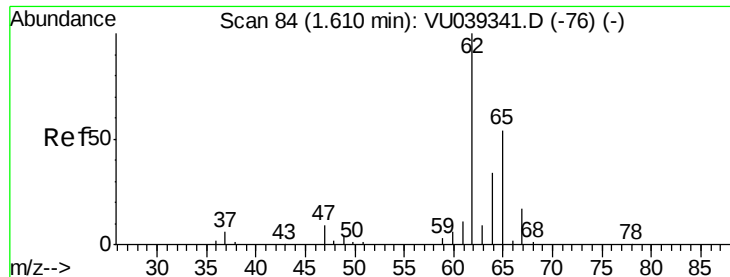
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070820\  
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#5

Vinyl chloride

Concen: 8.790 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

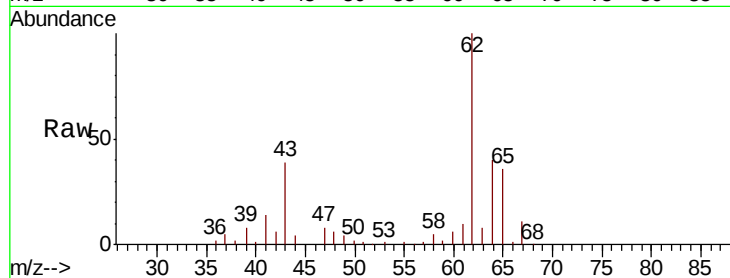
H4310

Tot Ion: 62 Resp: 74989

Ion Ratio Lower Upper

62 100

64 39.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

60000

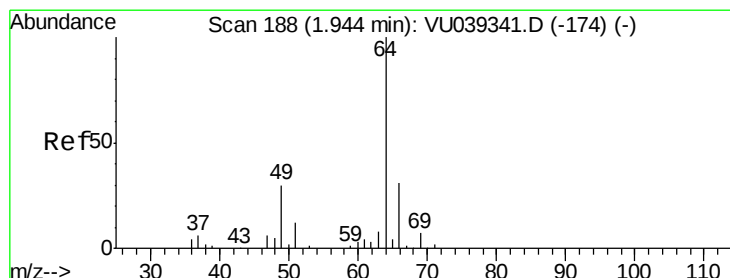
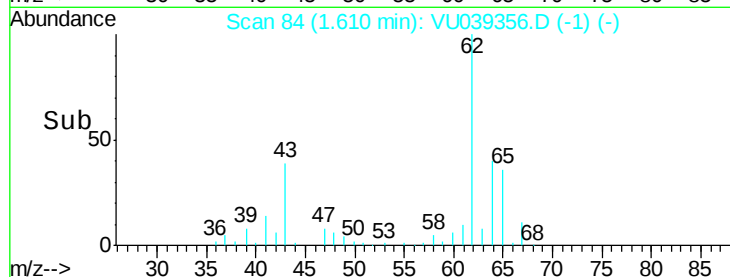
40000

20000

0

1.55 1.60 1.65

Time-->



#8

Chloroethane

Concen: 0.130 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU039356.D

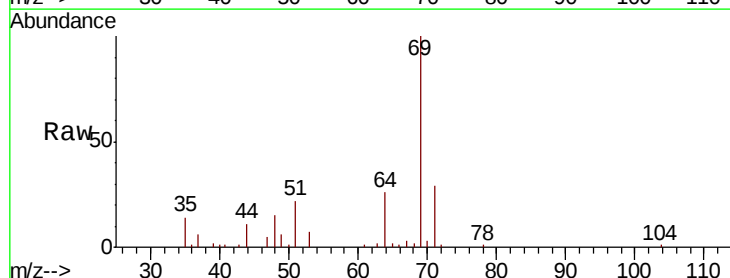
Acq: 08 Jul 2020 18:39

Tgt Ion: 64 Resp: 802

Ion Ratio Lower Upper

64 100

66 5.0 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.93

5000

4000

3000

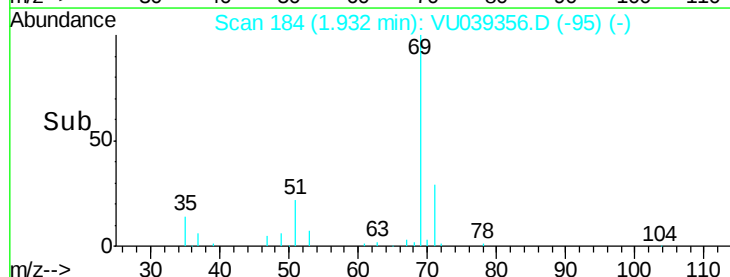
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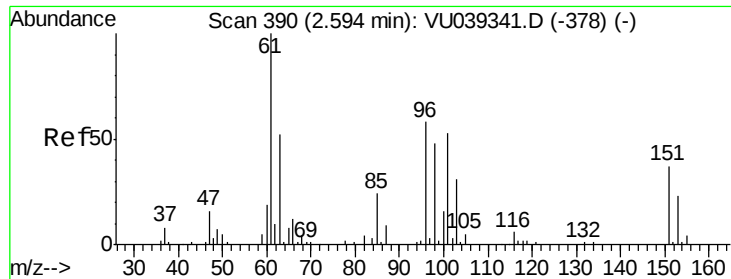
1000

0

1.92 1.94 1.96

Time-->





#12

1,1-Dichloroethene

Concen: 0.263 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

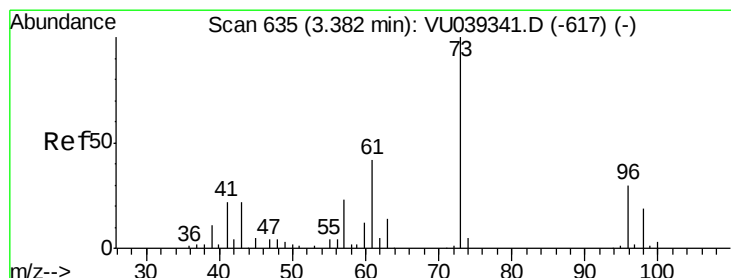
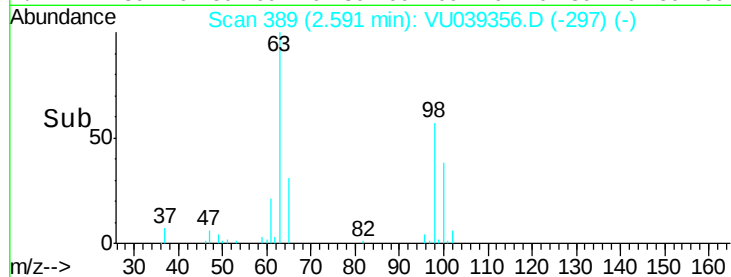
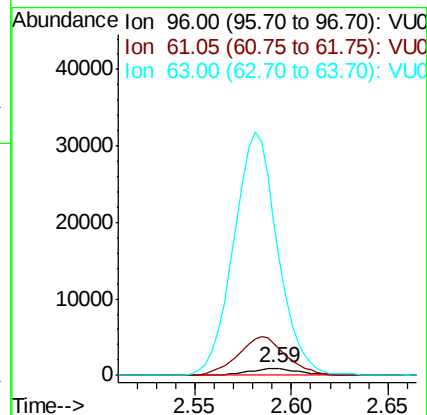
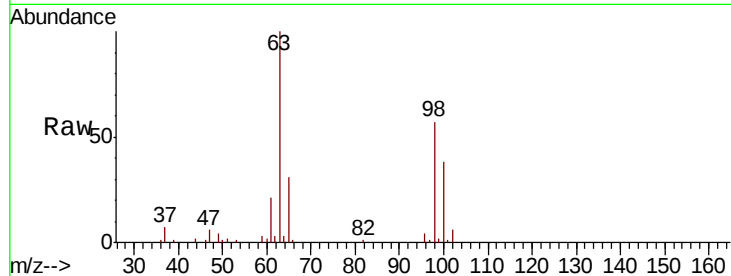
Tot Ion: 96 Resp: 1639

Ion Ratio Lower Upper

96 100

61 469.3 125.4 232.8#

63 2268.0 92.7 172.3#



#17

Methyl tert-butyl Ether

Concen: 6.332 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

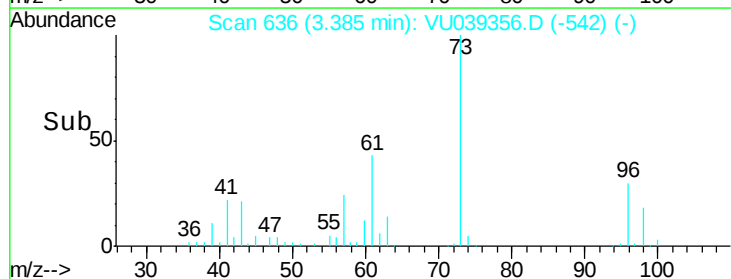
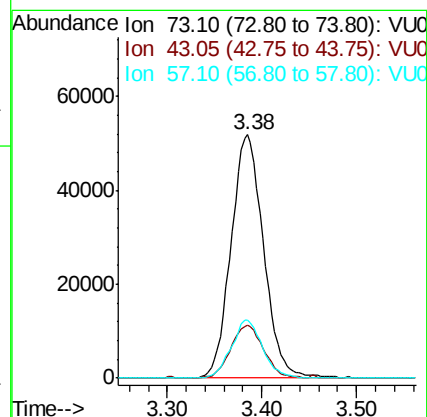
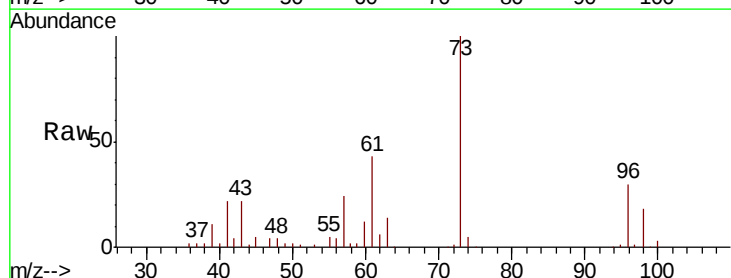
Tgt Ion: 73 Resp: 124153

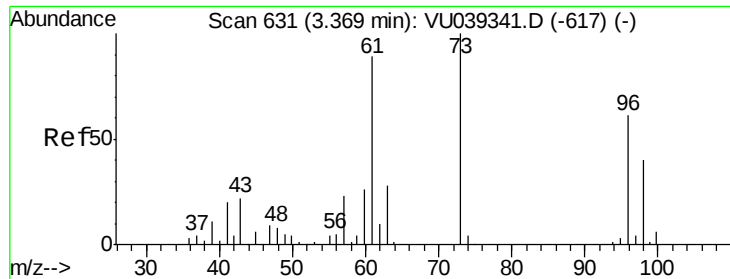
Ion Ratio Lower Upper

73 100

43 22.1 18.6 28.0

57 22.9 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 6.772 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

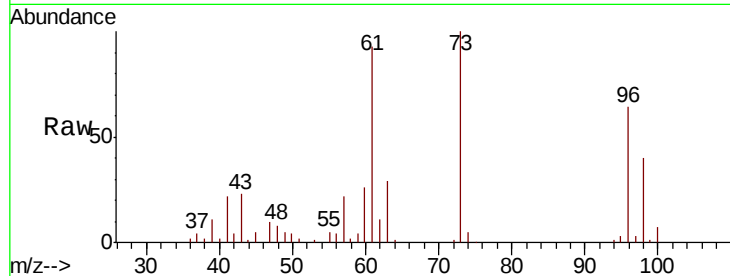
Tot Ion: 96 Resp: 46653

Ion Ratio Lower Upper

96 100

61 144.8 102.1 189.5

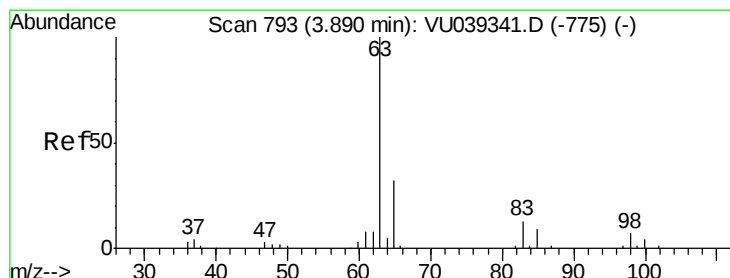
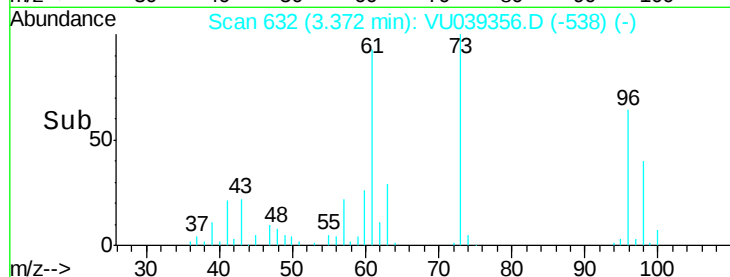
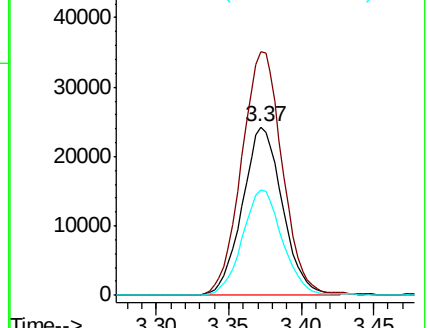
98 62.9 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039356.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039356.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039356.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.528 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

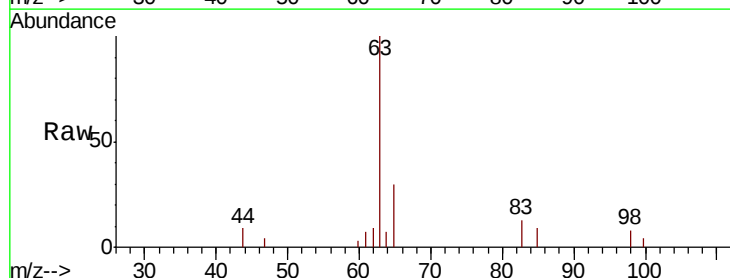
Tgt Ion: 63 Resp: 7111

Ion Ratio Lower Upper

63 100

65 27.6 23.0 42.6

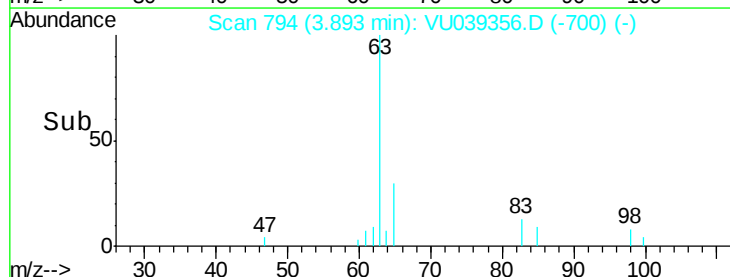
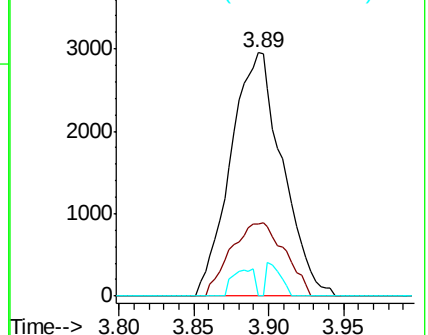
83 0.0 9.6 17.8#

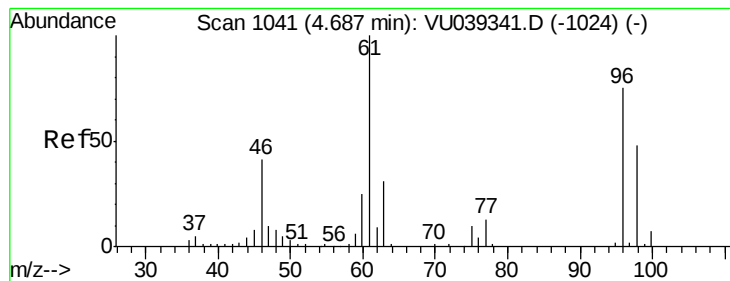


Abundance Ion 63.10 (62.80 to 63.80): VU039356.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039356.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039356.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 111.542 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

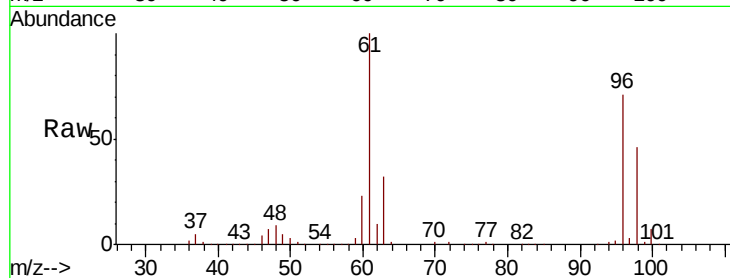
Tot Ion: 96 Resp: 861633

Ion Ratio Lower Upper

96 100

61 141.6 92.8 172.4

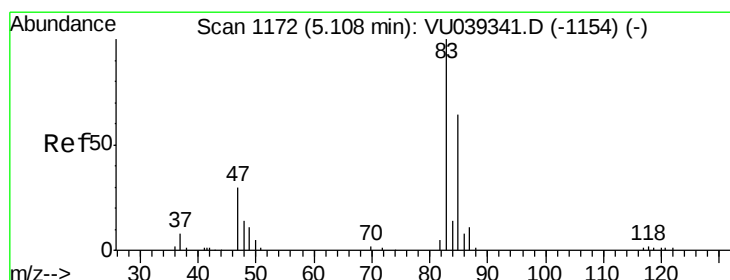
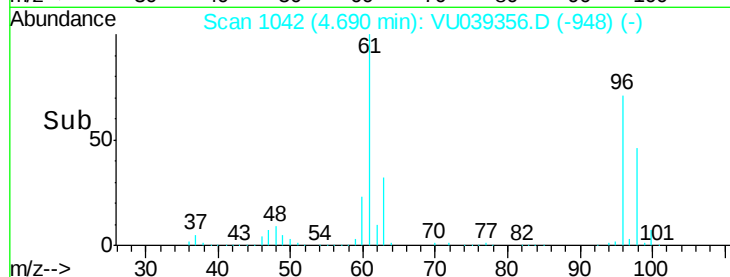
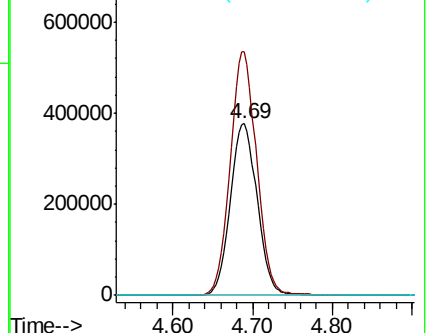
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039356.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039356.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039356.D (-1042) (-)



#25

Chloroform

Concen: 0.202 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039356.D

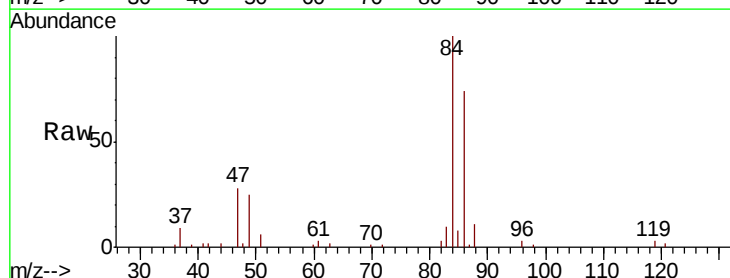
Acq: 08 Jul 2020 18:39

Tgt Ion: 83 Resp: 2756

Ion Ratio Lower Upper

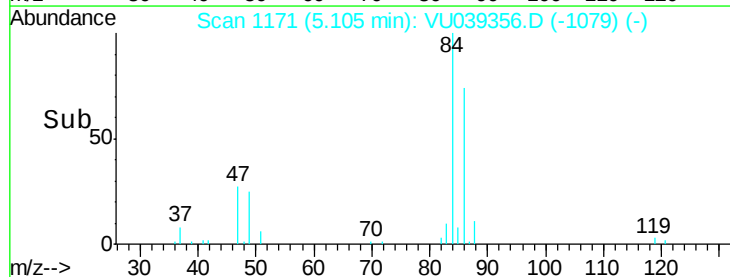
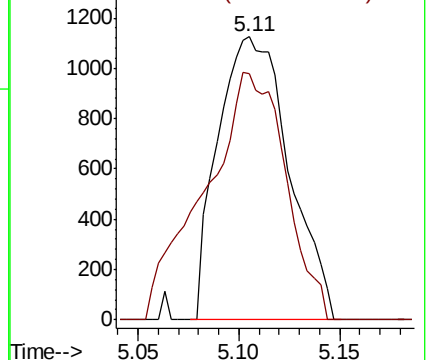
83 100

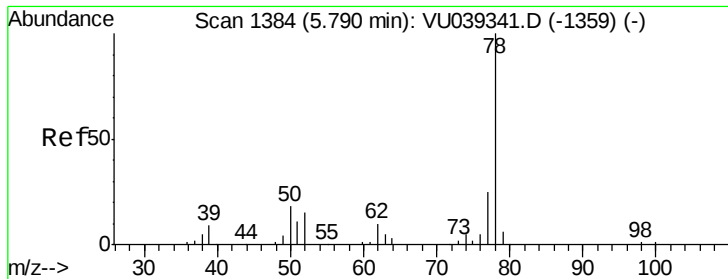
85 87.1 44.9 83.5#



Abundance Ion 83.05 (82.75 to 83.75): VU039356.D (-1172) (-)

Ion 85.00 (84.70 to 85.70): VU039356.D (-1172) (-)





#33

Benzene

Concen: 0.676 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

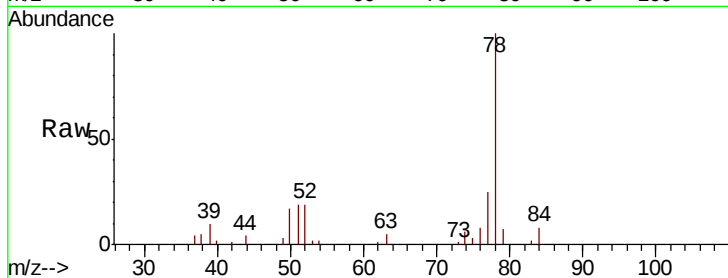
Instrument :

MSVOA_U

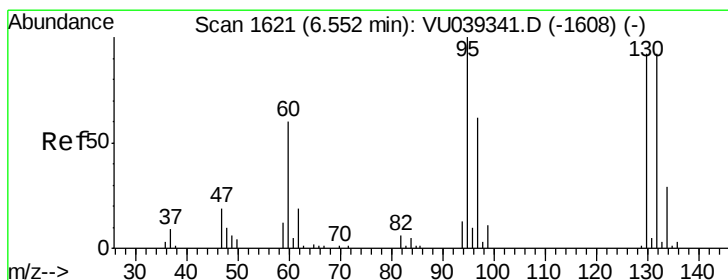
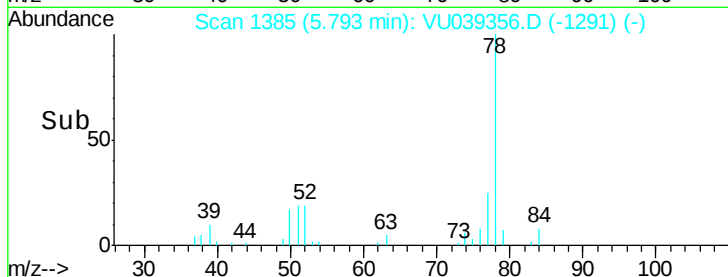
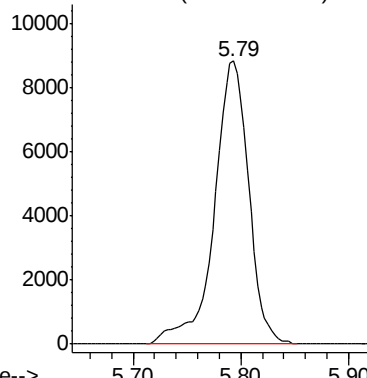
ClientSampleId :

H4310

Tgt Ion: 78 Resp: 19582



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.127 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Tgt Ion: 95 Resp: 38391

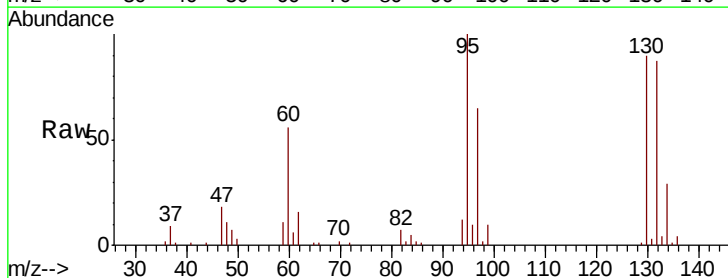
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.3	85.9
132	86.6	64.0	118.8
130	90.0	64.3	119.5

95 100

97 64.6 46.3 85.9

132 86.6 64.0 118.8

130 90.0 64.3 119.5

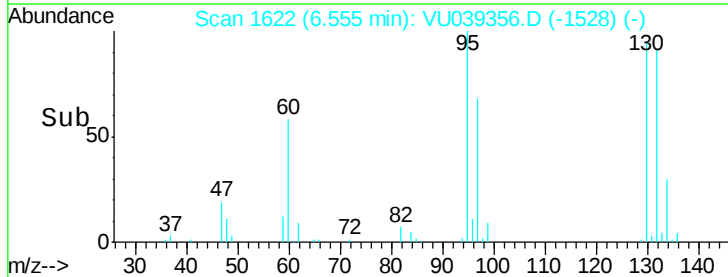
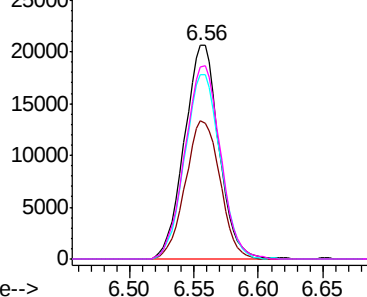


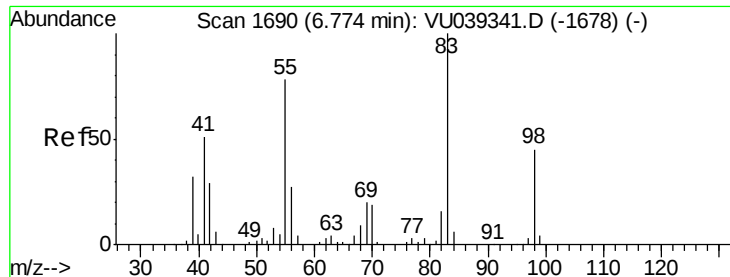
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

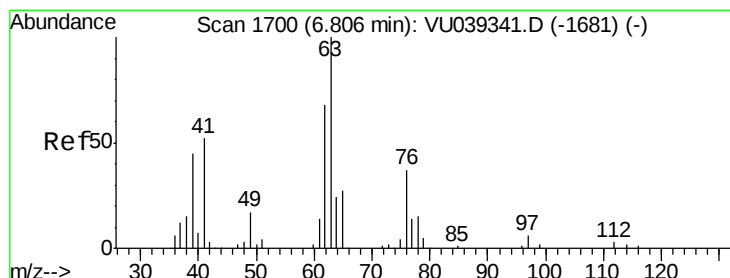
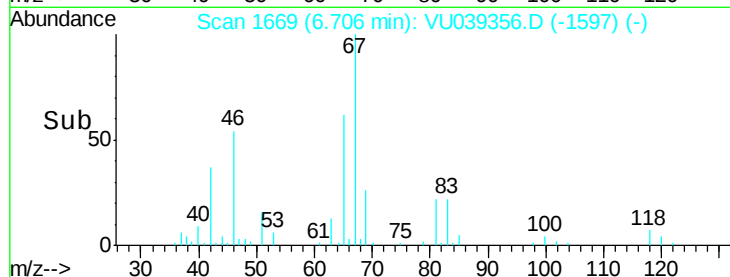
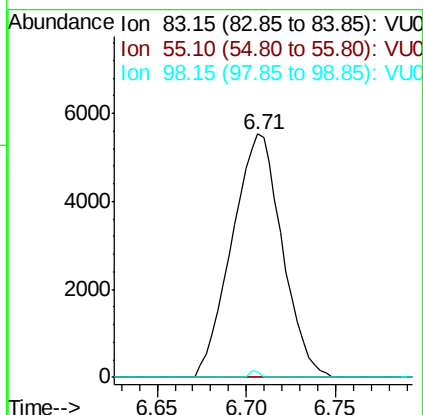
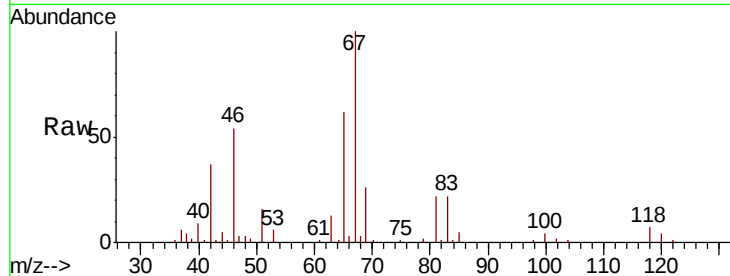




#35
Methvlcvclohexane
Concen: 0.905 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039356.D
Acq: 08 Jul 2020 18:39

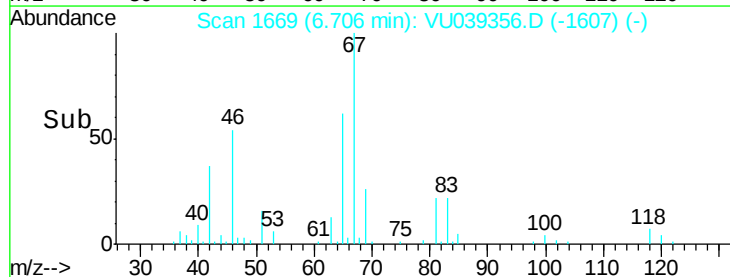
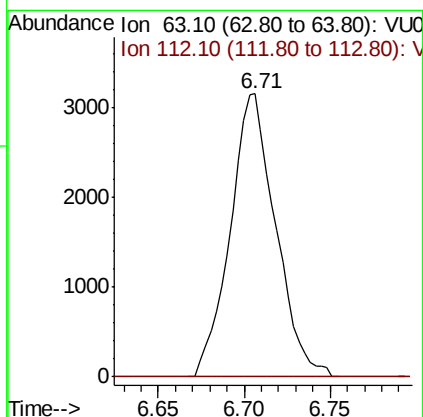
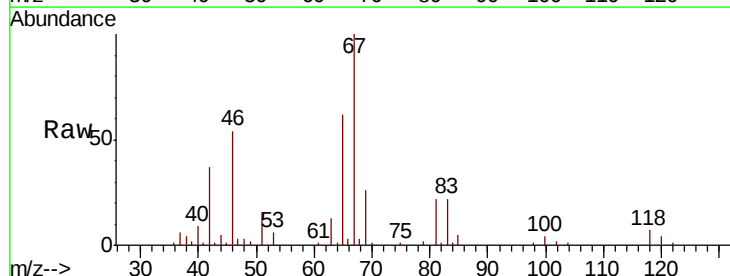
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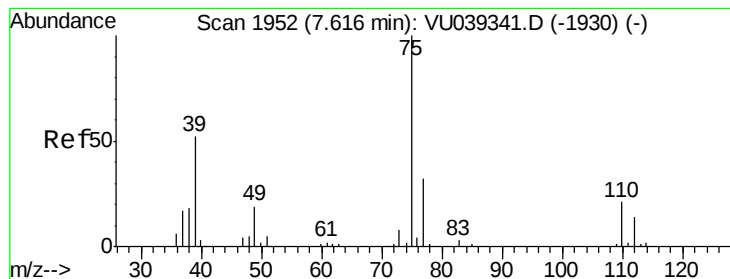
Tot Ion: 83 Resp: 10861
Ion Ratio Lower Upper
83 100
55 1.0 62.1 93.1#
98 0.0 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.734 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039356.D
Acq: 08 Jul 2020 18:39

Tgt Ion: 63 Resp: 5796
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



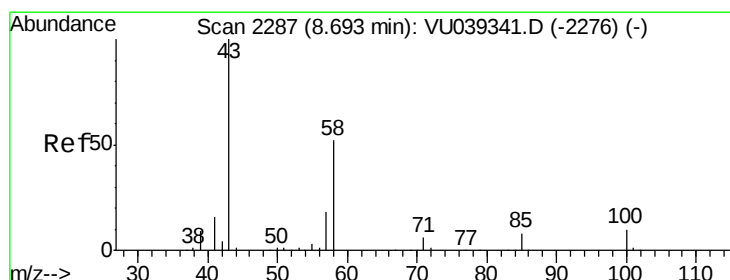
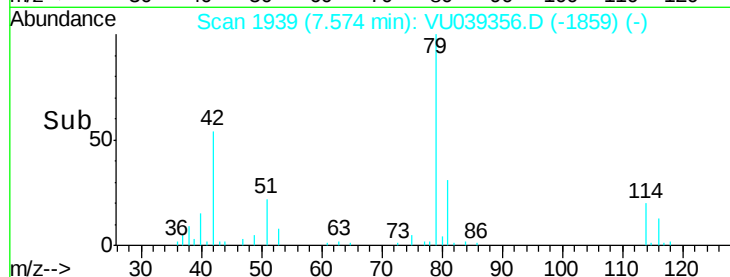
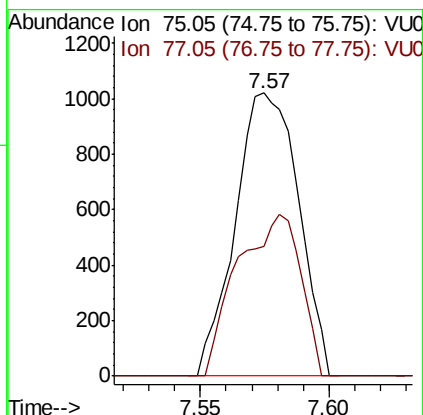
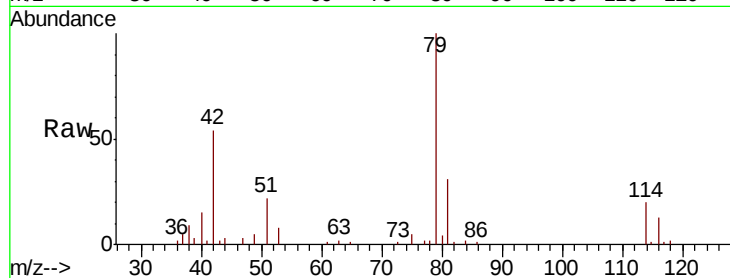


#39

cis-1,3-Dichloropropene
Concen: 0.146 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU039356.D
Acq: 08 Jul 2020 18:39

Instrument :
MSVOA_U
ClientSampleId :
H4310

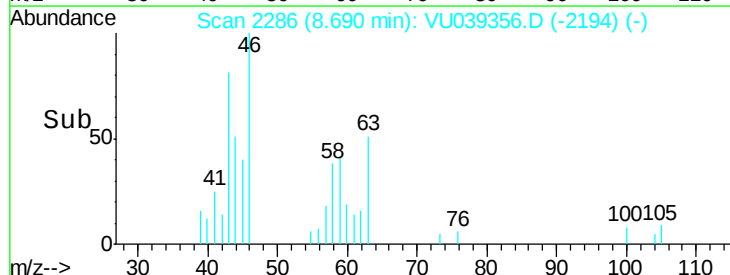
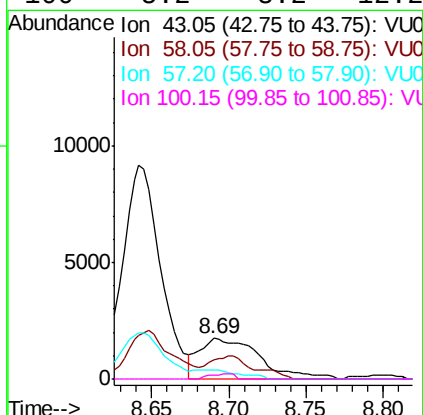
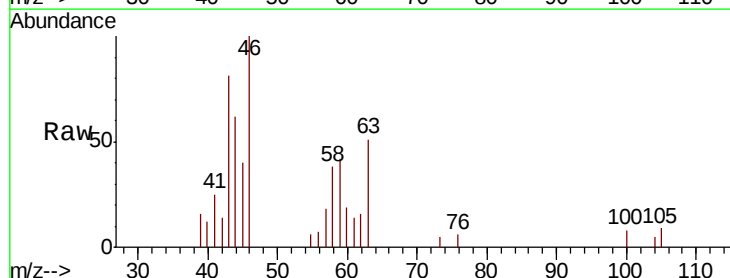
Tot Ion: 75 Resp: 1745
Ion Ratio Lower Upper
75 100
77 45.9 22.3 41.3#

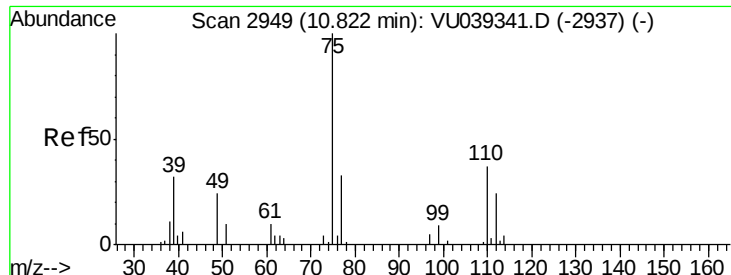


#48

2-Hexanone
Concen: 0.977 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039356.D
Acq: 08 Jul 2020 18:39

Tgt Ion: 43 Resp: 4746
Ion Ratio Lower Upper
43 100
58 42.2 42.0 63.0
57 0.0 14.0 21.0#
100 5.2 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.255 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039356.D

Acq: 08 Jul 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

H4310

Tot Ion: 75 Resp: 7303

Ion Ratio Lower Upper

75 100

77 40.0 26.8 40.2

