

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039320.D
 Acq On : 07 Jul 2020 17:38
 Operator : SY/MD
 Sample : L3193-03RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4279

Quant Time: Jul 08 01:46:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	105957	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	97475	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47229	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39066	6.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.20%
7) Chloroethane-d5	1.93	69	35563	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.20%
11) 1,1-Dichloroethene-d2	2.58	63	57506	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.67	46	183497	65.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.60%#
24) Chloroform-d	5.09	84	80153	6.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.60%
26) 1,2-Dichloroethane-d4	5.72	65	49364	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.20%
32) Benzene-d6	5.75	84	157238	6.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	134.00%#
36) 1,2-Dichloropropane-d6	6.71	67	52232	6.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.80%
41) Toluene-d8	7.91	98	139444	6.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	137.00%#
43) trans-1,3-Dichloropropene-	8.19	79	21907	6.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.40%
46) 2-Hexanone-d5	8.65	63	135222	62.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.22%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49729	6.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	54588	6.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.60%#

Target Compounds

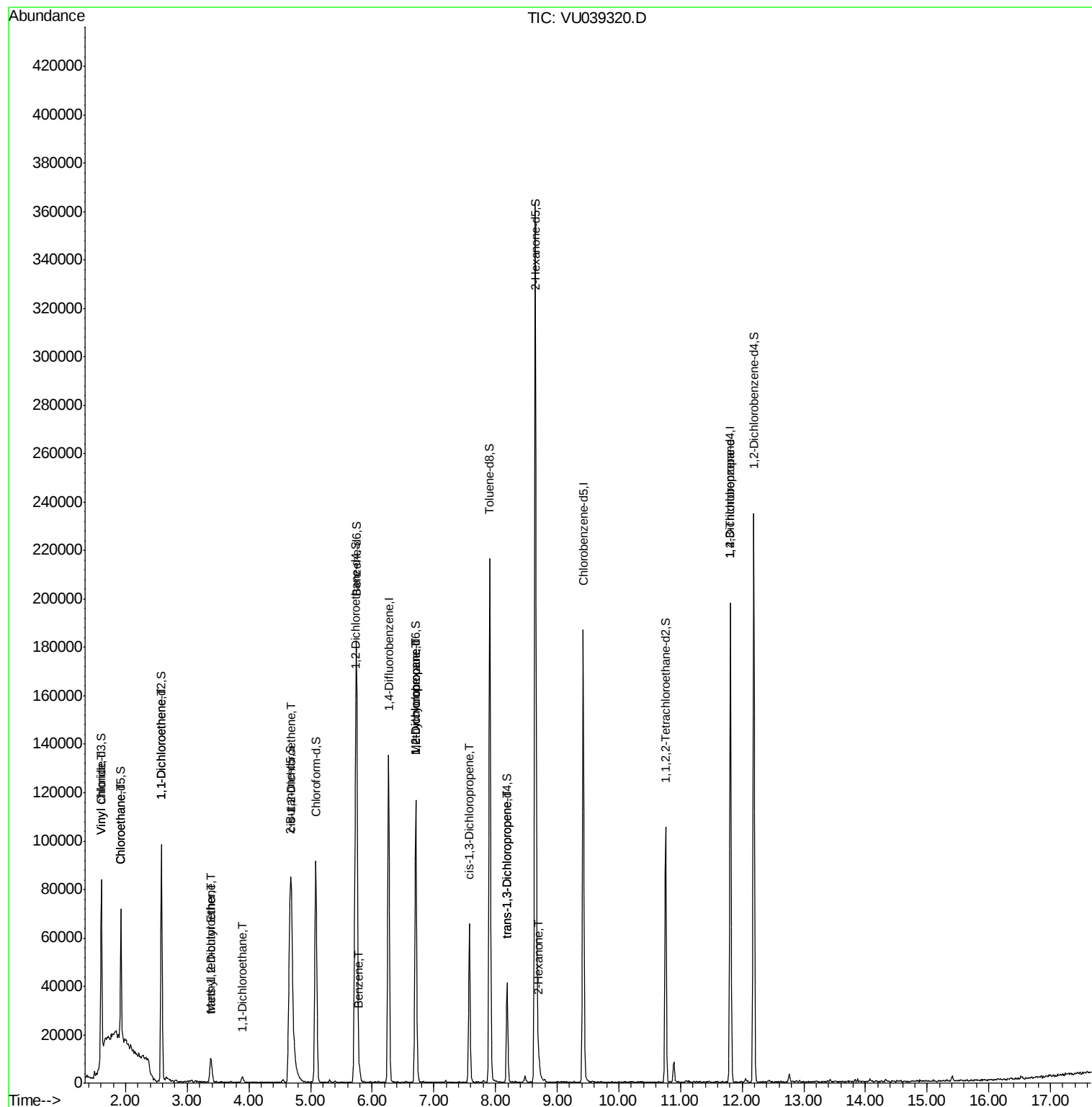
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	10441	1.209	ug/L #	1
8) Chloroethane	1.93	64	937	0.150	ug/L #	51
12) 1,1-Dichloroethene	2.58	96	784	0.124	ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	9859	0.497	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	871	0.125	ug/L #	85
19) 1,1-Dichloroethane	3.89	63	3281	0.240	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	15302	1.956	ug/L	100
33) Benzene	5.79	78	3888	0.133	ug/L	100
35) Methylcyclohexane	6.71	83	12088	1.001	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5917	0.745	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1708	0.142	ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	1372	0.129	ug/L	87
48) 2-Hexanone	8.70	43	5622	1.151	ug/L #	78
59) 1,2,3-Trichloropropane	11.81	75	7663	1.309	ug/L	92

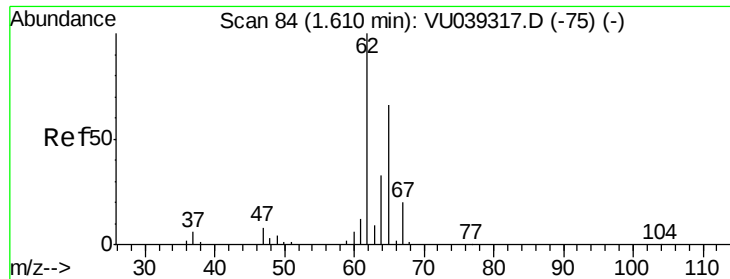
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.209 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039320.D

Acq: 07 Jul 2020 17:38

Instrument :

MSVOA_U

ClientSampleID :

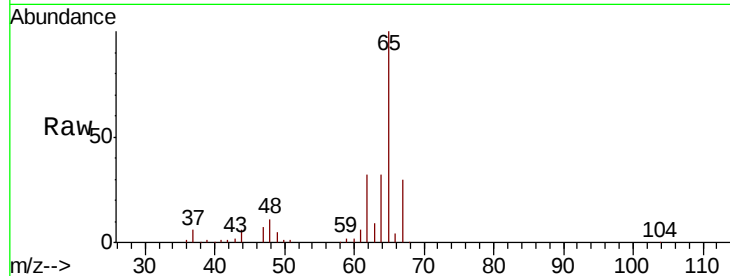
H4279

Tot Ion: 62 Resp: 10441

Ion Ratio Lower Upper

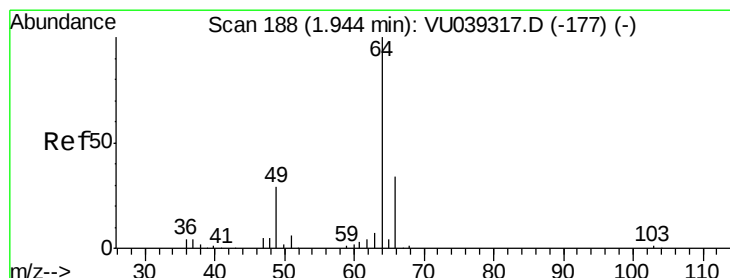
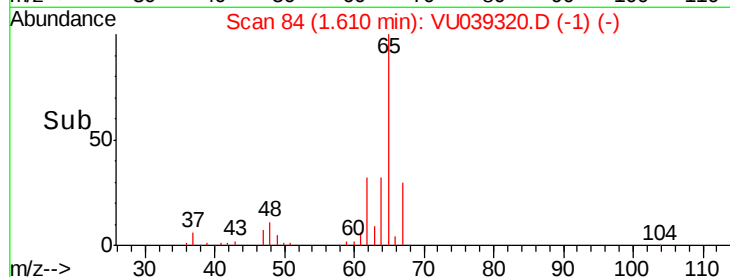
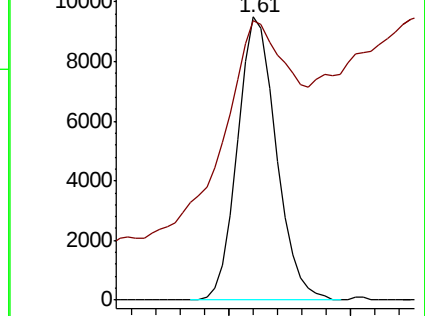
62 100

64 98.7 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.150 ug/L

RT: 1.93 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU039320.D

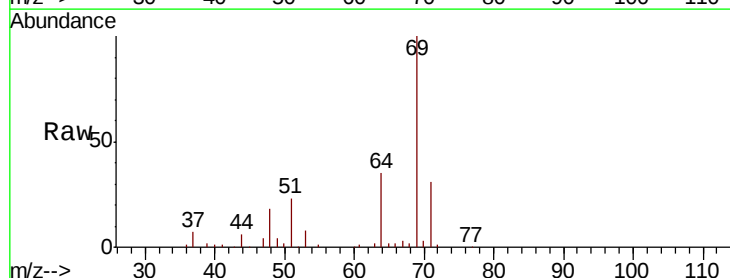
Acq: 07 Jul 2020 17:38

Tgt Ion: 64 Resp: 937

Ion Ratio Lower Upper

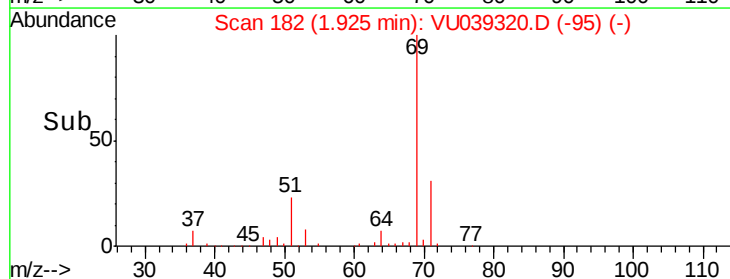
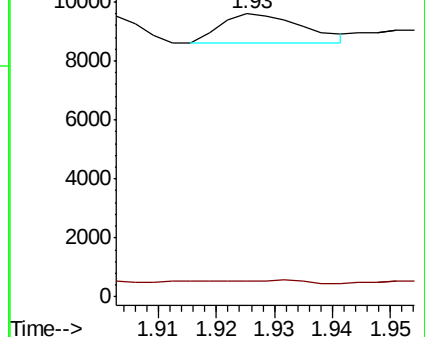
64 100

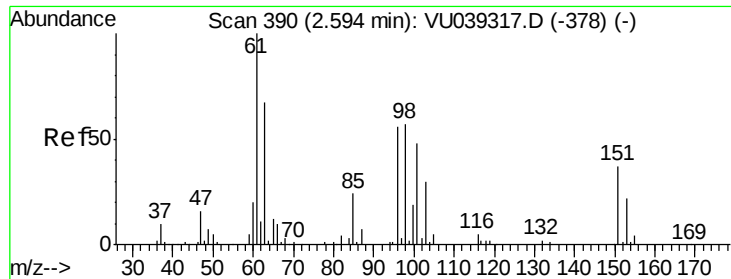
66 5.7 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.124 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039320.D

Acq: 07 Jul 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

H4279

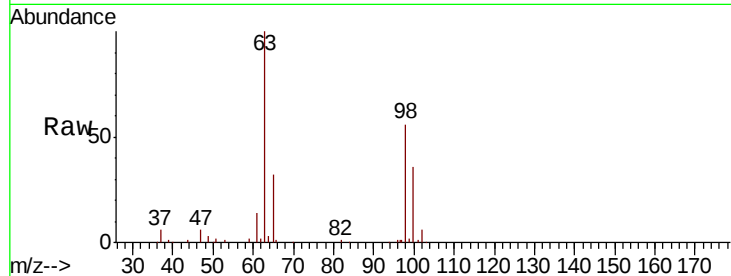
Tot Ion: 96 Resp: 784

Ion Ratio Lower Upper

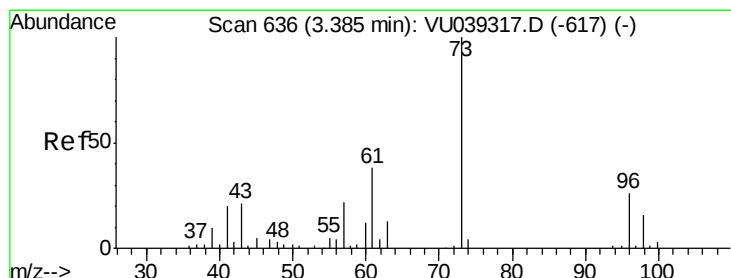
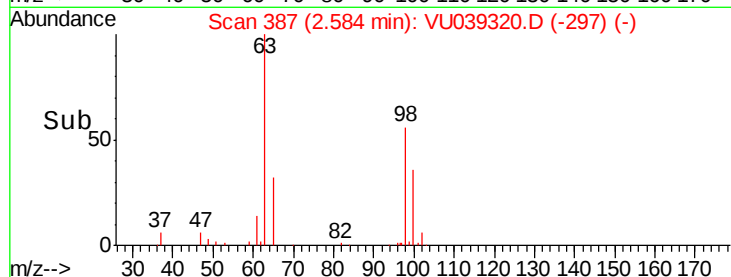
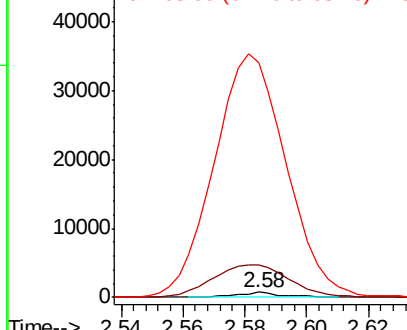
96 100

61 632.8 125.4 232.8#

63 4614.6 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: 0.497 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU039320.D

Acq: 07 Jul 2020 17:38

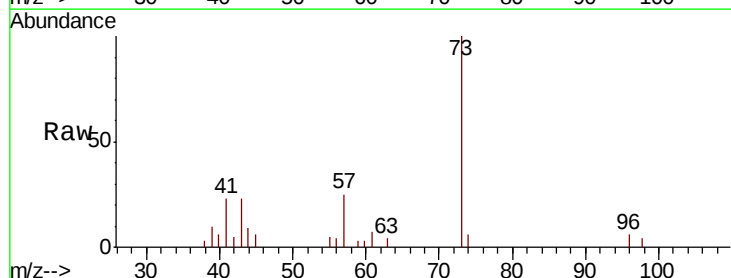
Tgt Ion: 73 Resp: 9859

Ion Ratio Lower Upper

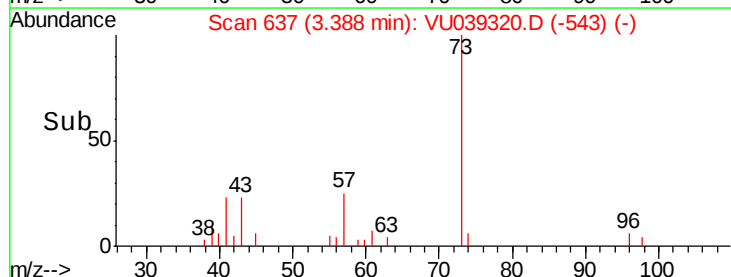
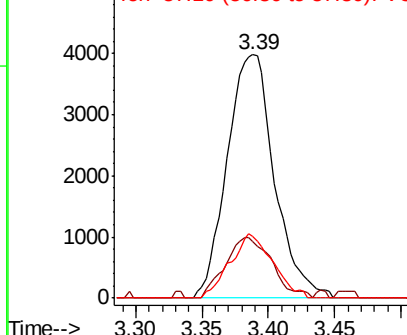
73 100

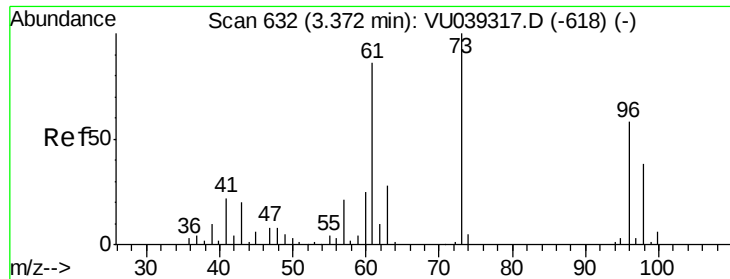
43 24.5 18.6 28.0

57 23.8 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

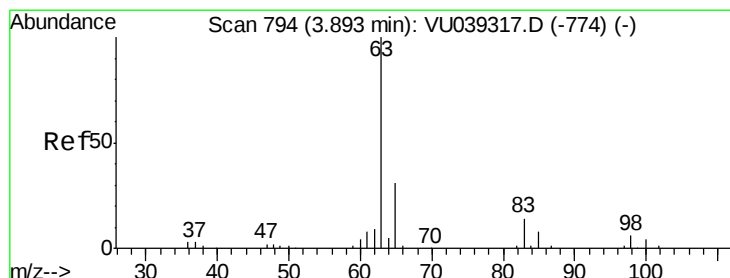
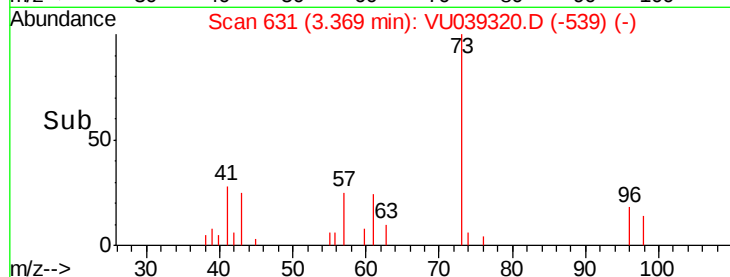
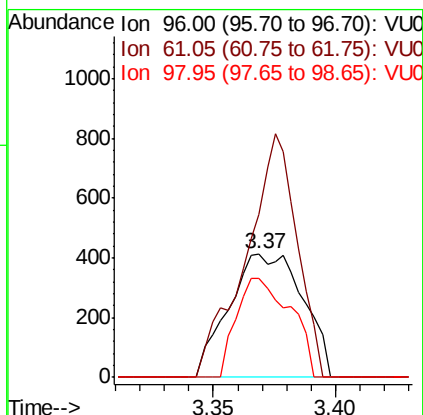
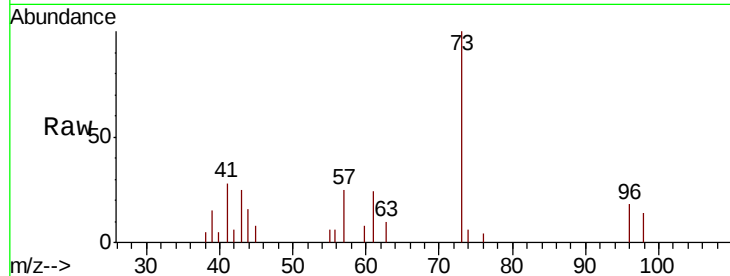




#18
trans-1,2-Dichloroethene
Concen: 0.125 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039320.D
Acq: 07 Jul 2020 17:38

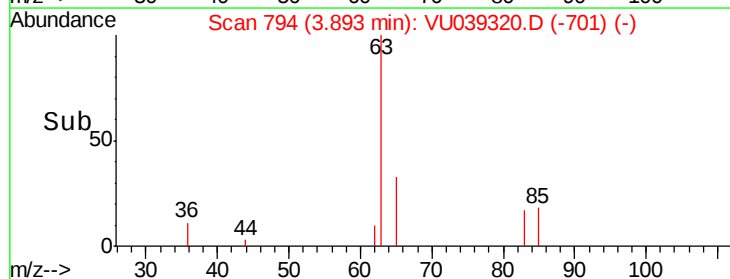
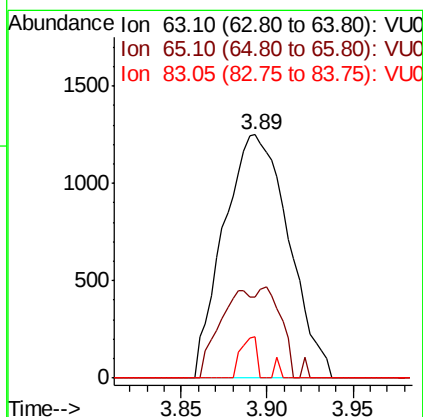
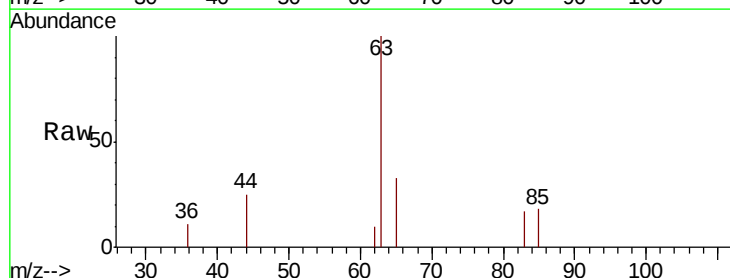
Instrument :
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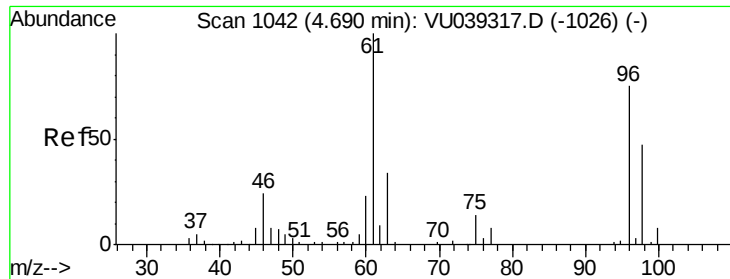
Tot Ion: 96 Resp: 871
Ion Ratio Lower Upper
96 100
61 132.1 102.1 189.5
98 80.2 42.5 78.9#



#19
1,1-Dichloroethane
Concen: 0.240 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039320.D
Acq: 07 Jul 2020 17:38

Tgt Ion: 63 Resp: 3281
Ion Ratio Lower Upper
63 100
65 33.3 23.0 42.6
83 16.7 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 1.956 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039320.D

Acq: 07 Jul 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

H4279

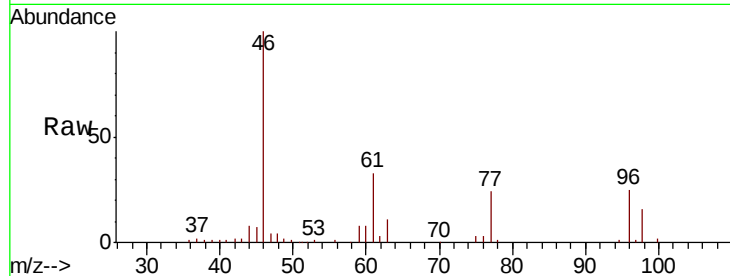
Tot Ion: 96 Resp: 15302

Ion Ratio Lower Upper

96 100

61 132.6 92.8 172.4

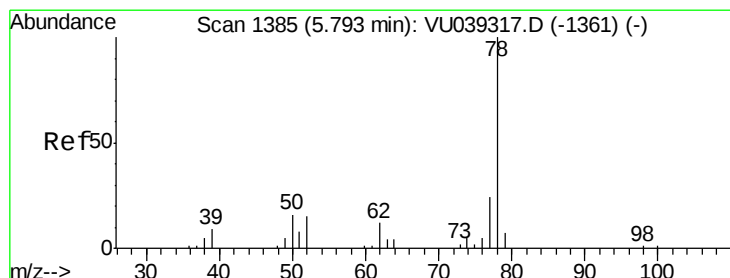
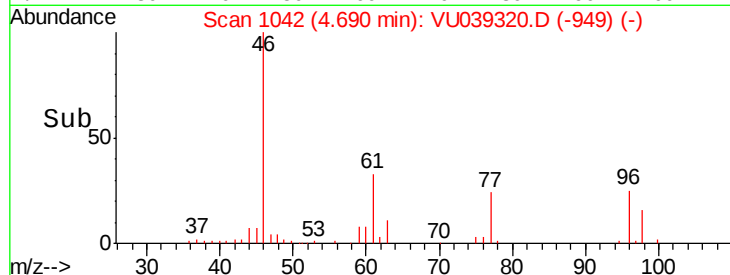
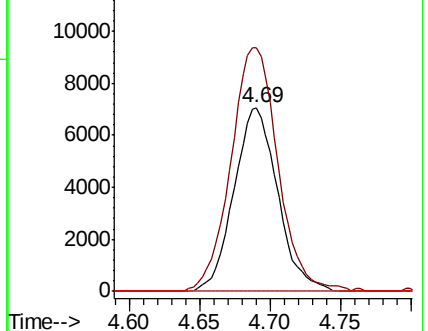
68 0.0 0.0 0.0



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



#33

Benzene

Concen: 0.133 ug/L

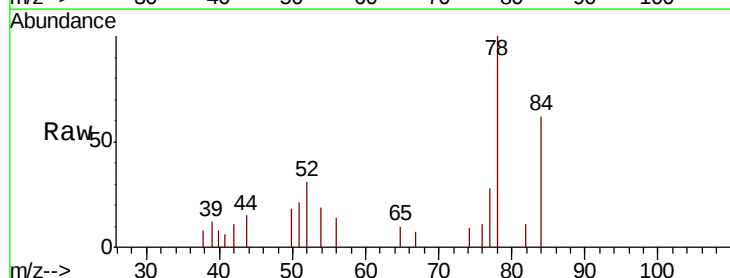
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

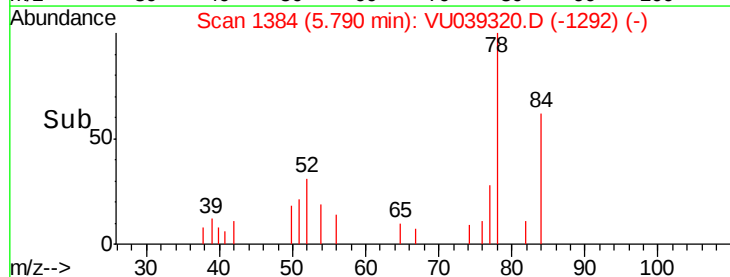
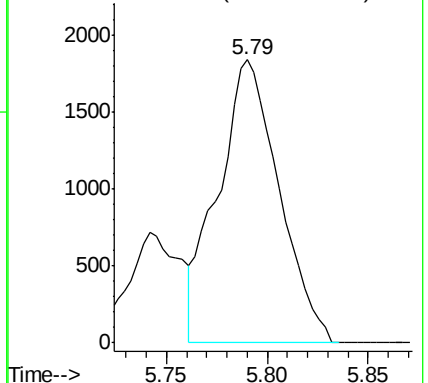
Lab File: VU039320.D

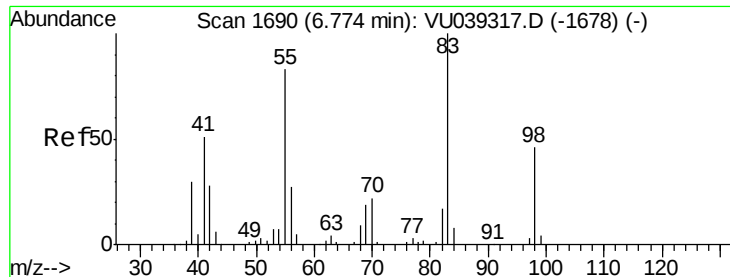
Acq: 07 Jul 2020 17:38

Tgt Ion: 78 Resp: 3888



Abundance Ion 78.10 (77.80 to 78.80): VU0

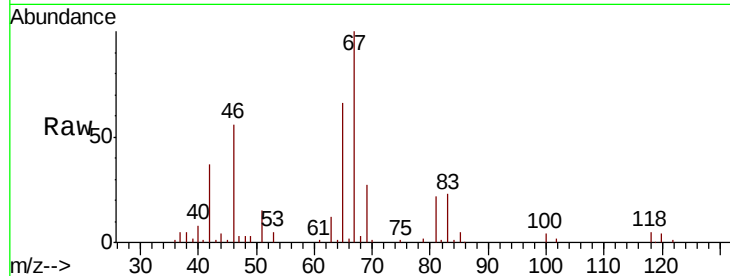




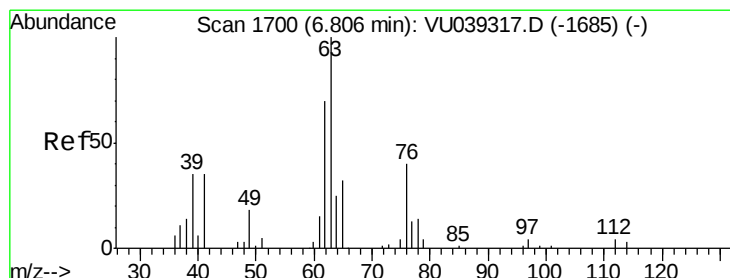
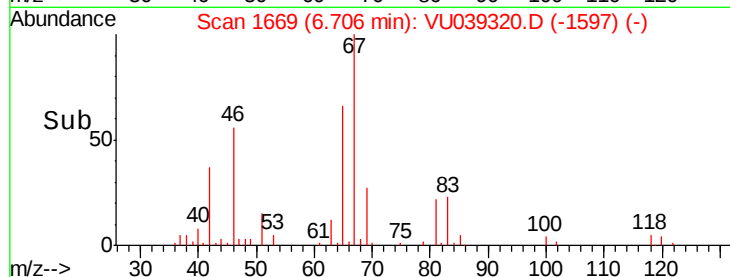
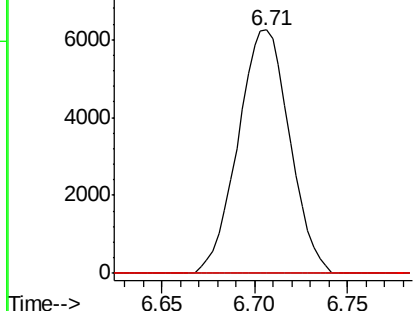
#35
Methylcyclohexane
Concen: 1.001 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039320.D
Acq: 07 Jul 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
H4279

Tot Ion: 83 Resp: 12088
Ion Ratio Lower Upper
83 100
55 0.2 62.1 93.1#
98 0.0 35.9 53.9#

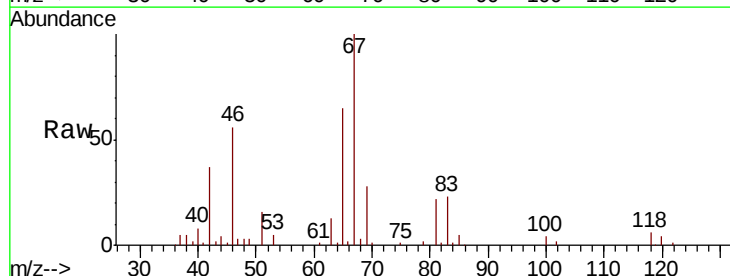


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

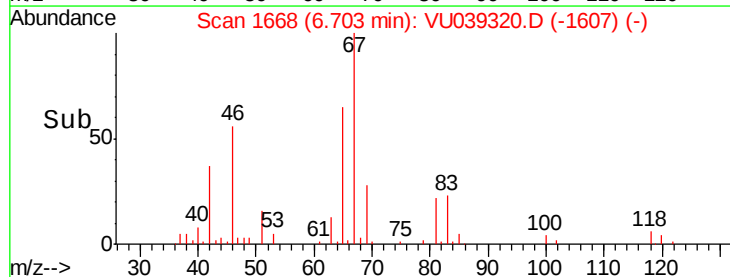
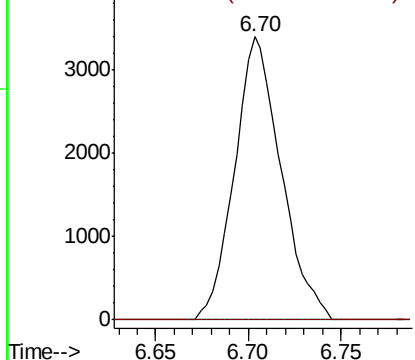


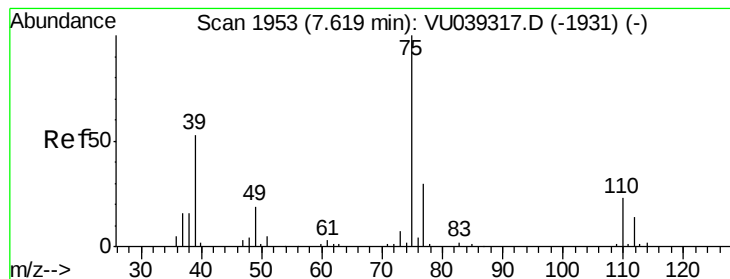
#37
1,2-Dichloropropane
Concen: 0.745 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039320.D
Acq: 07 Jul 2020 17:38

Tgt Ion: 63 Resp: 5917
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: 0.142 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039320.D

Acq: 07 Jul 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

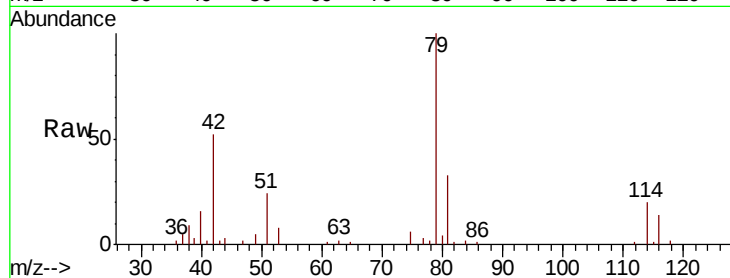
H4279

Tot Ion: 75 Resp: 1708

Ion Ratio Lower Upper

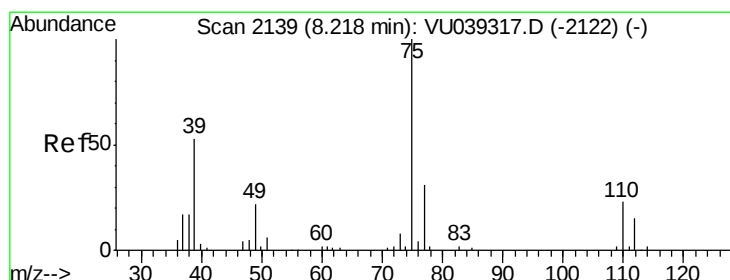
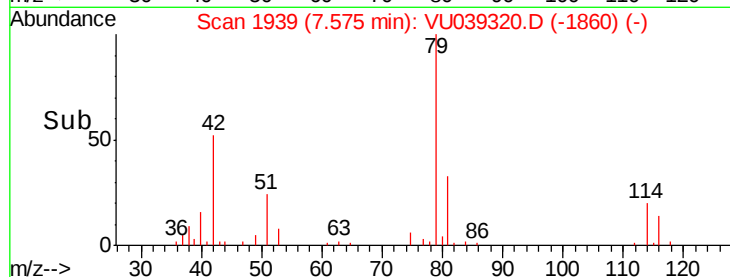
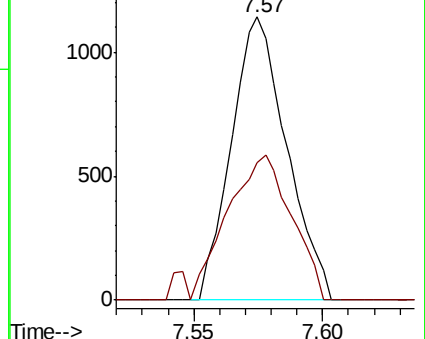
75 100

77 48.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU039320.D

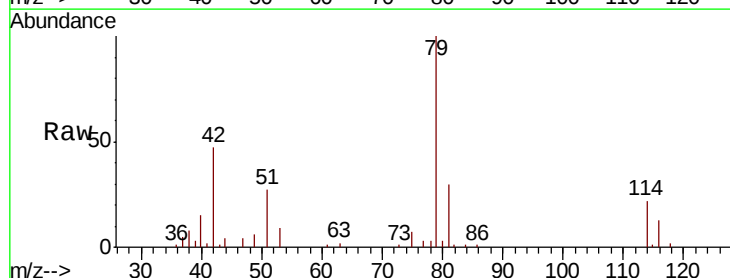
Acq: 07 Jul 2020 17:38

Tgt Ion: 75 Resp: 1372

Ion Ratio Lower Upper

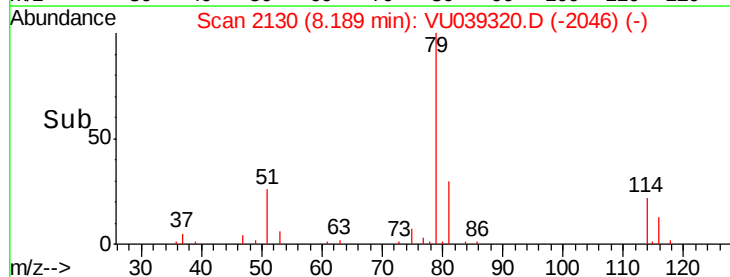
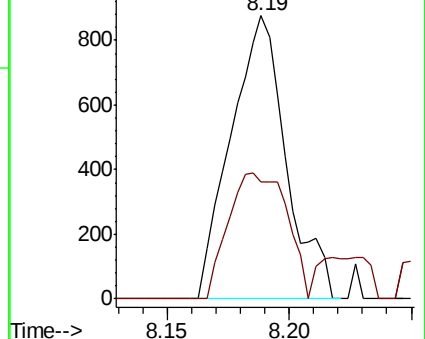
75 100

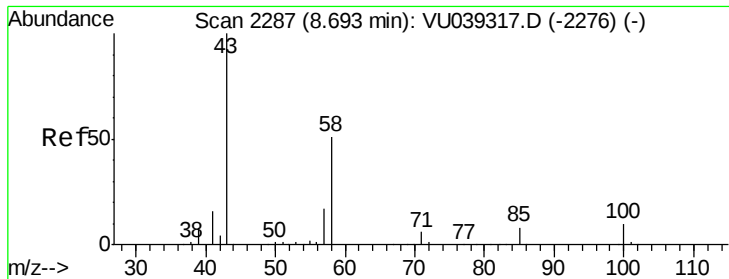
77 41.3 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

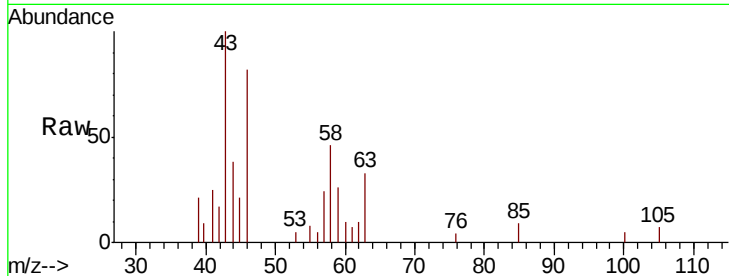




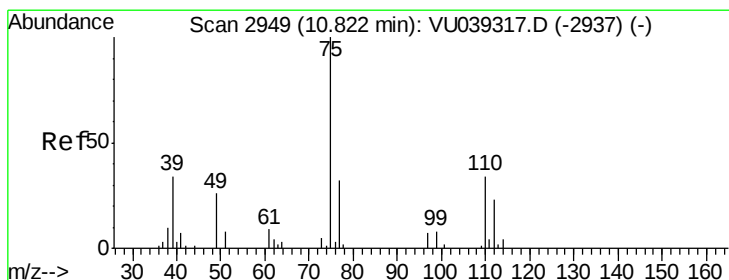
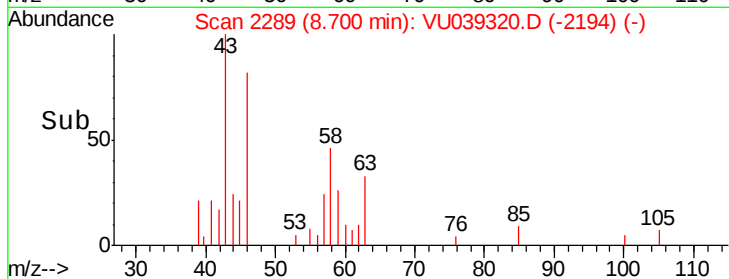
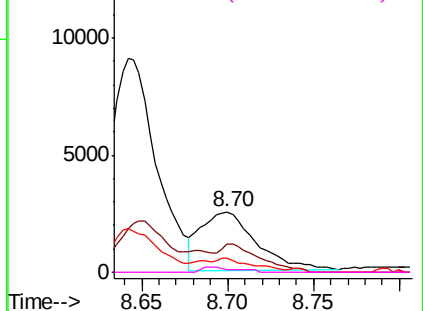
#48
2-Hexanone
Concen: 1.151 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VU039320.D
Acq: 07 Jul 2020 17:38

Instrument :
MSVOA_U
ClientSampled :
H4279

Tot Ion: 43 Resp: 5622
Ion Ratio Lower Upper
43 100
58 33.6 42.0 63.0#
57 22.6 14.0 21.0#
100 4.6 8.2 12.2#

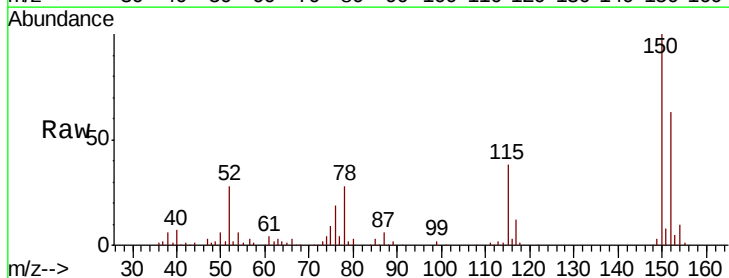


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0



#59
1,2,3-Trichloropropane
Concen: 1.309 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039320.D
Acq: 07 Jul 2020 17:38

Tgt Ion: 75 Resp: 7663
Ion Ratio Lower Upper
75 100
77 38.1 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

