

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039352.D
 Acq On : 08 Jul 2020 17:07
 Operator : SY/MD
 Sample : L3231-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4290

Quant Time: Jul 09 02:33:17 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	103056	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96637	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47185	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32807	5.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.80%
7) Chloroethane-d5	1.93	69	31481	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.58	63	49608	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	168243	61.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.12%
24) Chloroform-d	5.09	84	71650	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.72	65	44926	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.75	84	138772	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.20%
36) 1,2-Dichloropropane-d6	6.71	67	47816	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.00%
41) Toluene-d8	7.91	98	119766	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
43) trans-1,3-Dichloropropene-	8.19	79	19336	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.64	63	123296	57.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.18%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44117	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48218	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

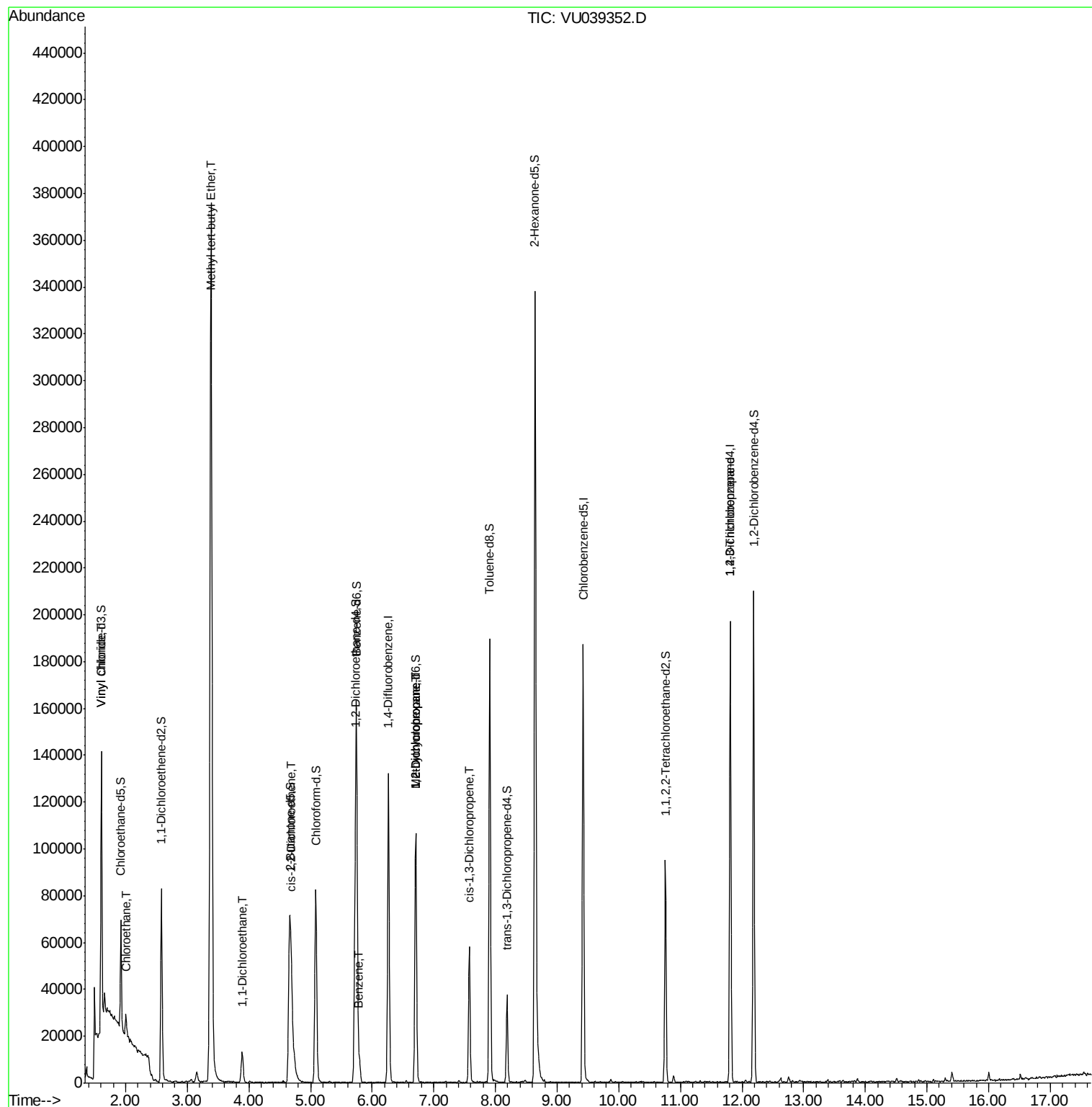
					Ovalue
5) Vinyl chloride	1.61	62	17679	2.104 ug/L #	1
8) Chloroethane	1.99	64	541	0.089 ug/L #	49
17) Methyl tert-butyl Ether	3.38	73	428453	22.186 ug/L	99
19) 1,1-Dichloroethane	3.89	63	15010	1.131 ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	4098	0.539 ug/L	93
33) Benzene	5.79	78	8284	0.287 ug/L	100
35) Methylcyclohexane	6.71	83	10613	0.887 ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5411	0.687 ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1714	0.144 ug/L #	74
59) 1,2,3-Trichloropropane	11.81	75	7476	1.288 ug/L	98

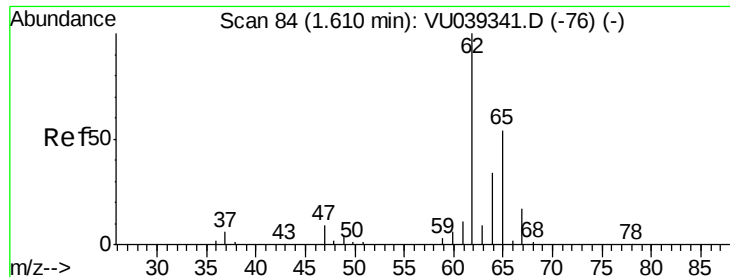
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.104 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

Instrument :

MSVOA_U

ClientSampled :

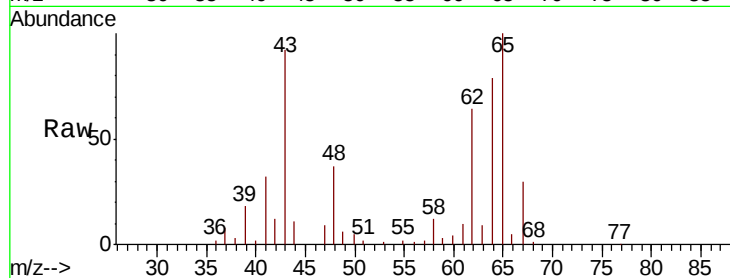
H4290

Tot Ion: 62 Resp: 17679

Ion Ratio Lower Upper

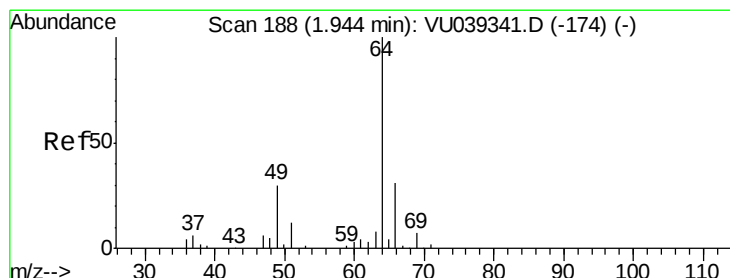
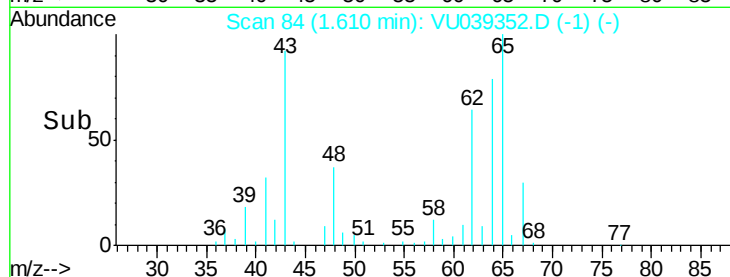
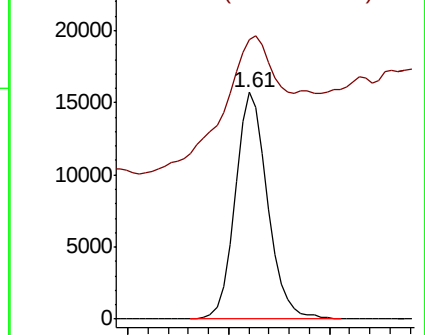
62 100

64 123.4 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: 0.089 ug/L

RT: 1.99 min Scan# 203

Delta R.T. 0.05 min

Lab File: VU039352.D

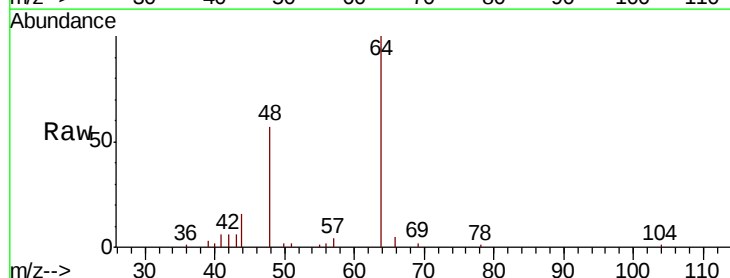
Acq: 08 Jul 2020 17:07

Tgt Ion: 64 Resp: 541

Ion Ratio Lower Upper

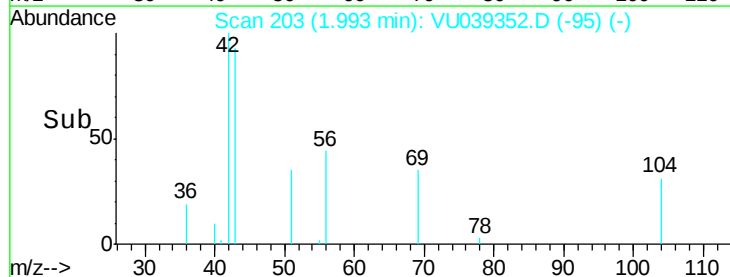
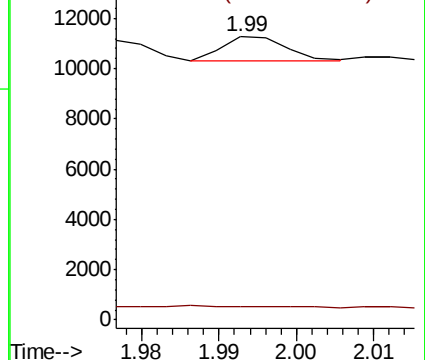
64 100

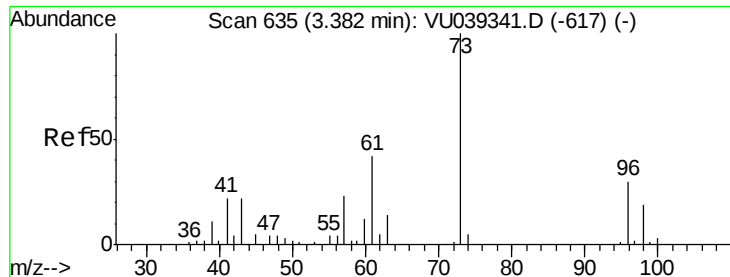
66 4.6 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

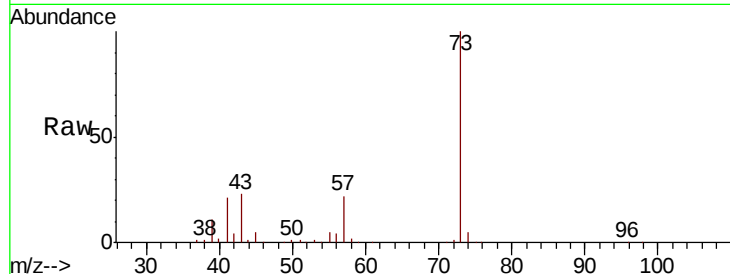




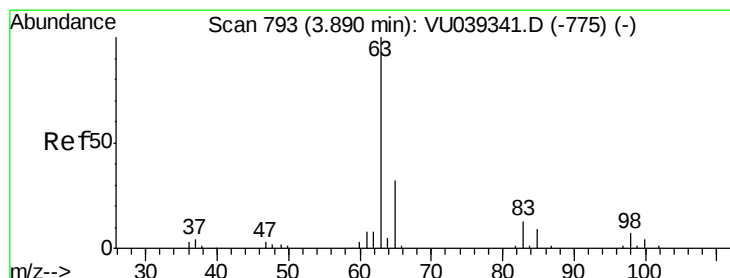
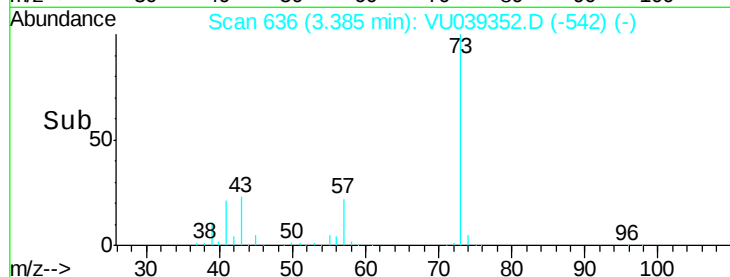
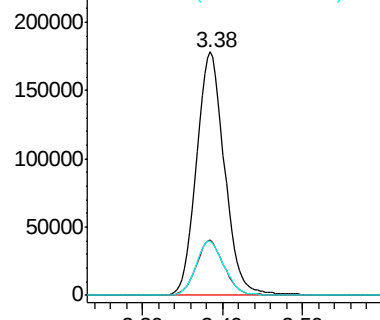
#17
Methvl tert-butvl Ether
Concen: 22.186 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039352.D
Acq: 08 Jul 2020 17:07

Instrument :
MSVOA_U
ClientSampleId :
H4290

Tot Ion: 73 Resp: 428453
Ion Ratio Lower Upper
73 100
43 22.4 18.6 28.0
57 22.7 17.9 26.9

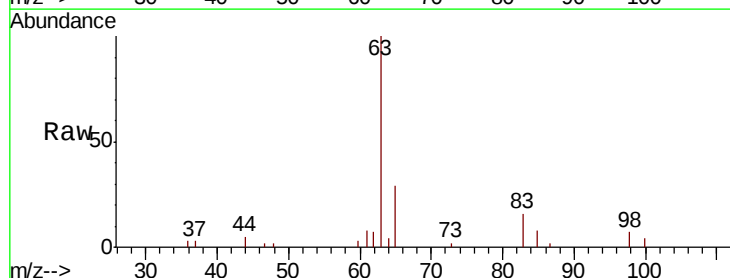


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

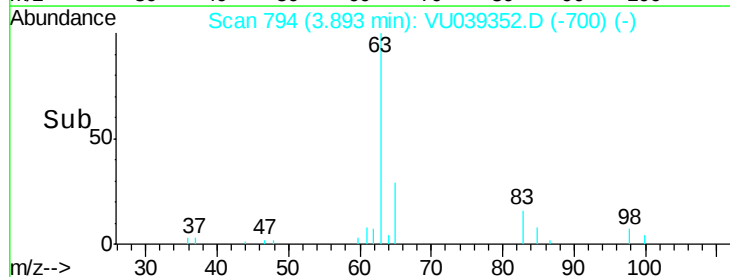
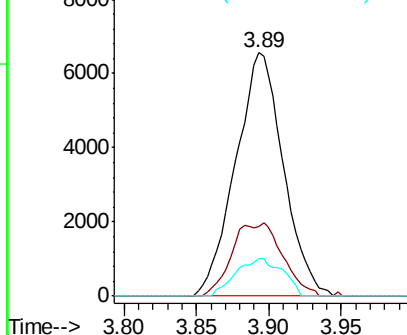


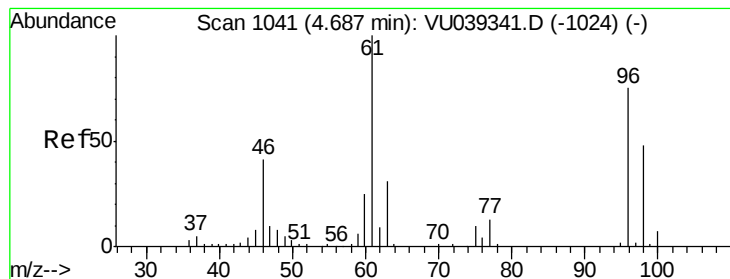
#19
1,1-Dichloroethane
Concen: 1.131 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039352.D
Acq: 08 Jul 2020 17:07

Tgt Ion: 63 Resp: 15010
Ion Ratio Lower Upper
63 100
65 28.8 23.0 42.6
83 15.6 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: 0.539 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

H4290

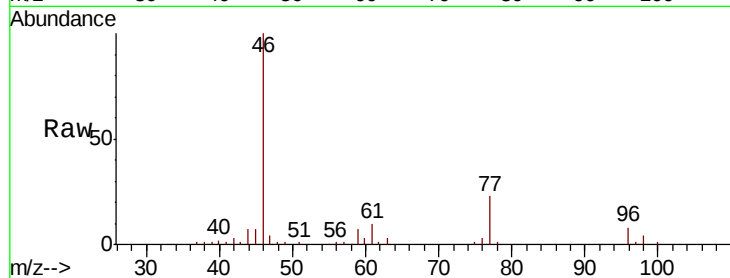
Tot Ion: 96 Resp: 4098

Ion Ratio Lower Upper

96 100

61 124.7 92.8 172.4

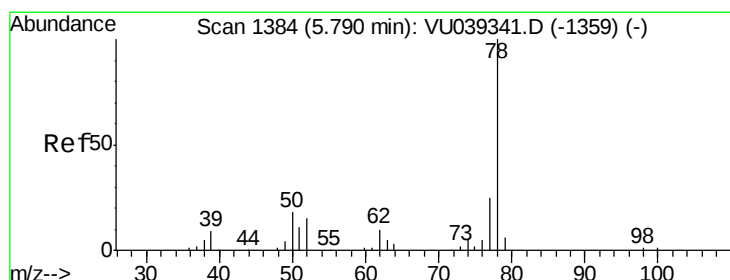
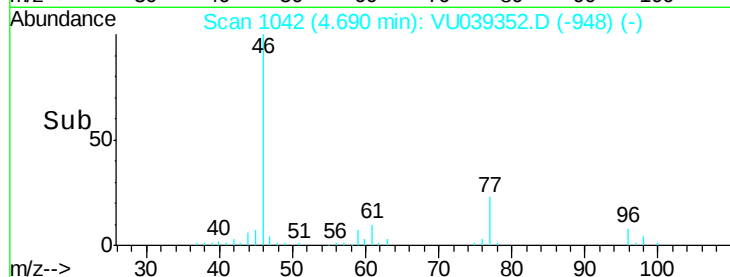
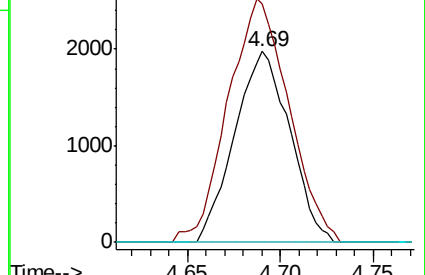
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039341.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039341.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039341.D (-1024) (-)



#33

Benzene

Concen: 0.287 ug/L

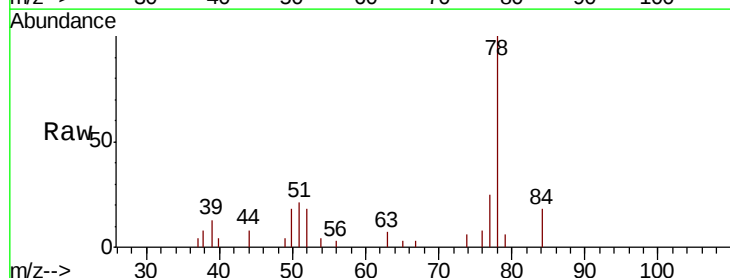
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

Tgt Ion: 78 Resp: 8284



Abundance Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

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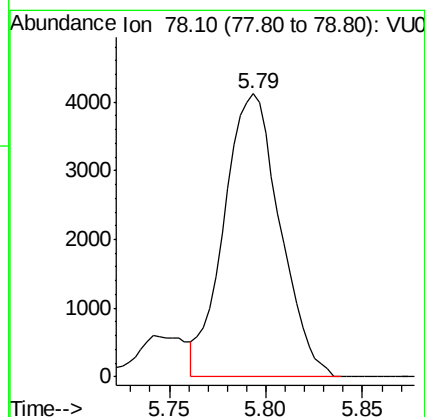
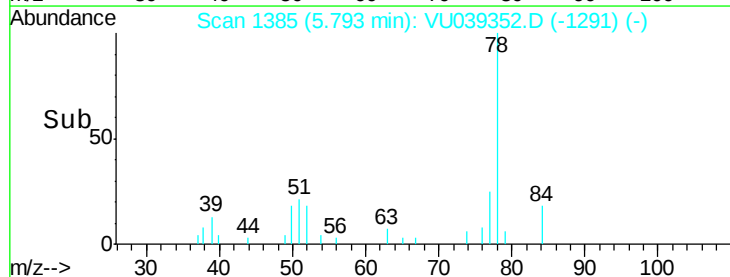
Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

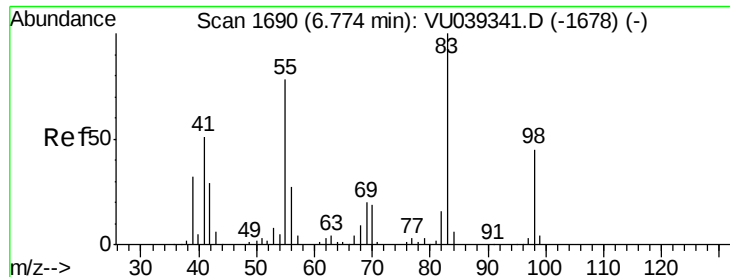
Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

Ion 78.10 (77.80 to 78.80): VU039341.D (-1359) (-)

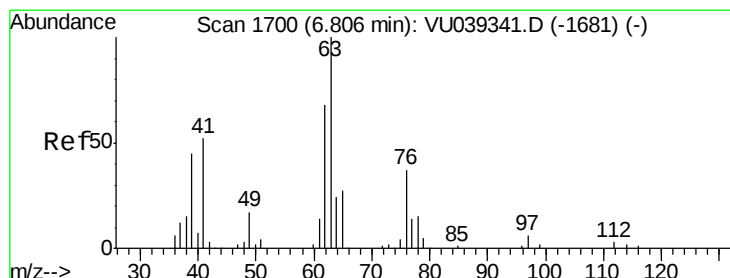
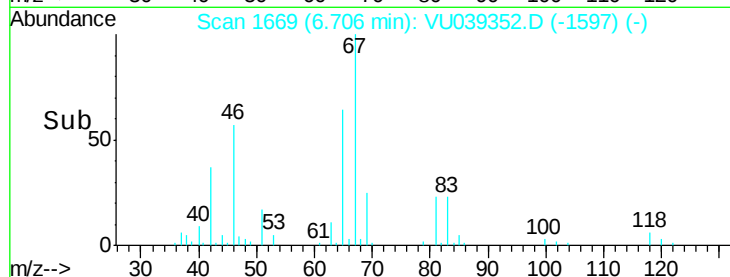
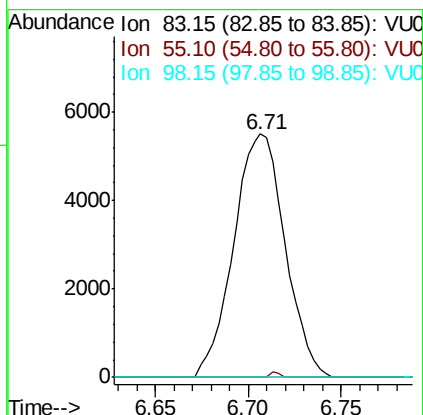
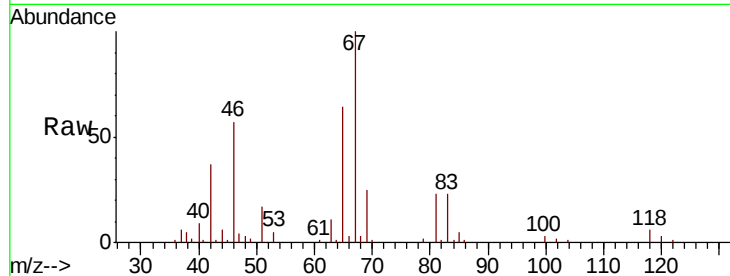




#35
Methvlcvclohexane
Concen: 0.887 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039352.D
Acq: 08 Jul 2020 17:07

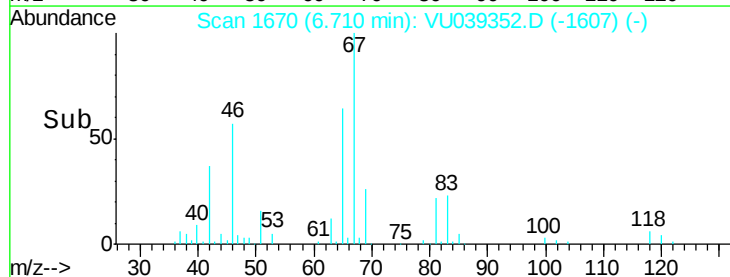
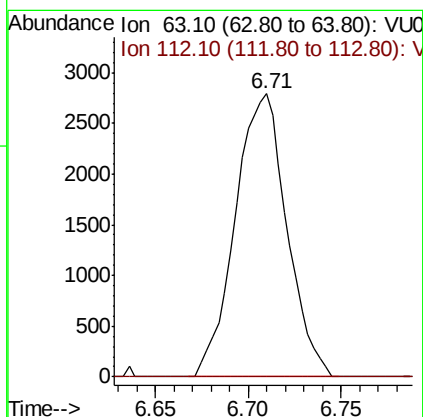
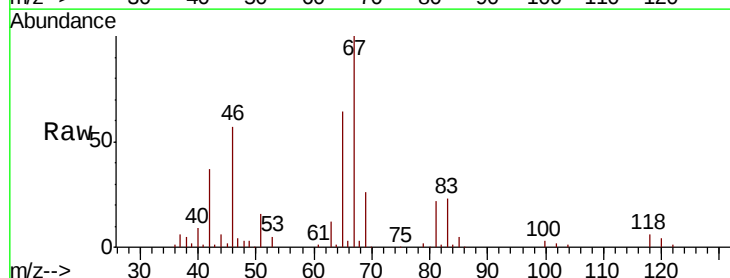
Instrument :
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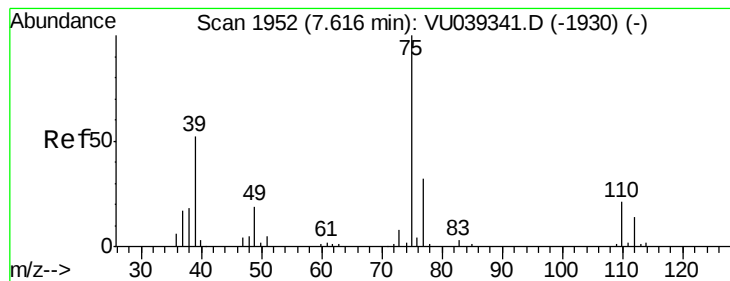
Tot Ion: 83 Resp: 10613
Ion Ratio Lower Upper
83 100
55 0.4 62.1 93.1#
98 0.0 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.687 ug/L
RT: 6.71 min Scan# 1670
Delta R.T. -0.10 min
Lab File: VU039352.D
Acq: 08 Jul 2020 17:07

Tgt Ion: 63 Resp: 5411
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#





#39

cis-1,3-Dichloropropene

Concen: 0.144 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039352.D

Acq: 08 Jul 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

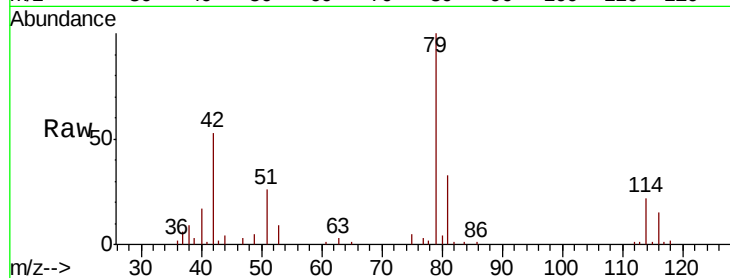
H4290

Tot Ion: 75 Resp: 1714

Ion Ratio Lower Upper

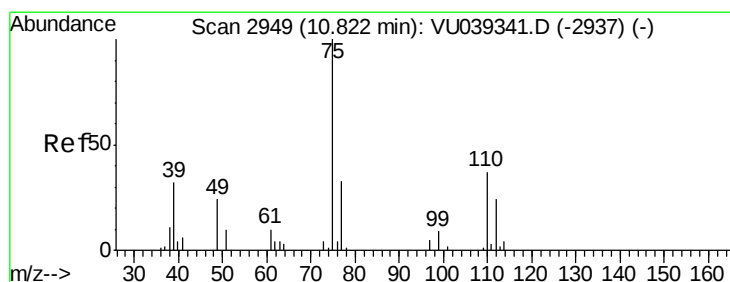
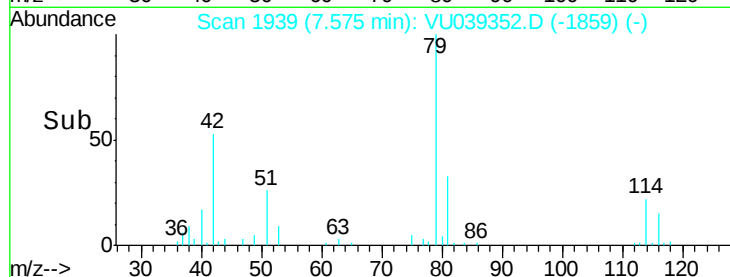
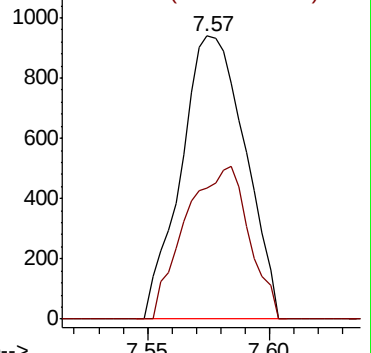
75 100

77 46.4 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 1.288 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039352.D

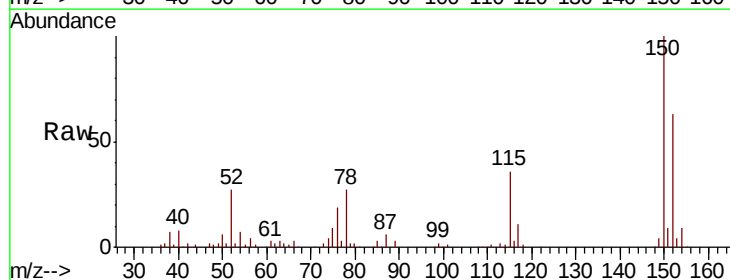
Acq: 08 Jul 2020 17:07

Tgt Ion: 75 Resp: 7476

Ion Ratio Lower Upper

75 100

77 34.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

