

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039351.D
 Acq On : 08 Jul 2020 16:44
 Operator : SY/MD
 Sample : L3231-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4289

Quant Time: Jul 09 02:33:04 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	6.27	114	106956	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	100549	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32829	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.93	69	30712	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	49699	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.66	46	164505	58.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.00%
24) Chloroform-d	5.08	84	71938	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.72	65	45636	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.74	84	142516	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
36) 1,2-Dichloropropane-d6	6.71	67	48346	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.91	98	125609	5.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.80%
43) trans-1,3-Dichloropropene-	8.19	79	19329	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.64	63	121504	54.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	45216	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49389	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

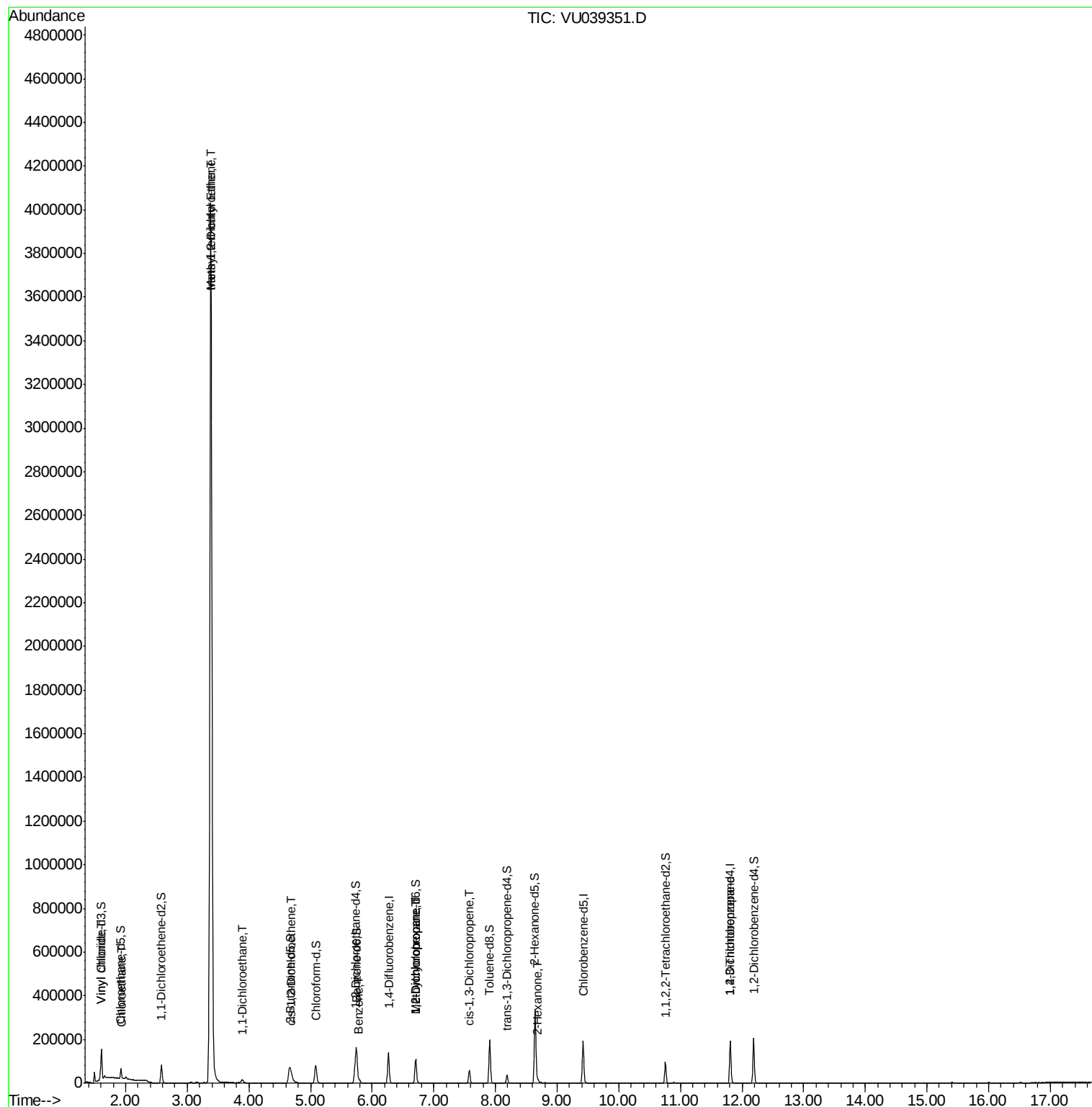
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	27435	3.146	ug/L #	44
8) Chloroethane	1.94	64	2191	0.348	ug/L #	52
17) Methyl tert-butyl Ether	3.38	73	4559029	227.462	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	10626	1.509	ug/L	99
19) 1,1-Dichloroethane	3.89	63	16567	1.202	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	3639	0.461	ug/L	94
33) Benzene	5.79	78	13717	0.456	ug/L	100
35) Methylcyclohexane	6.71	83	11036	0.886	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5600	0.683	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1767	0.143	ug/L #	61
48) 2-Hexanone	8.70	43	4648	0.922	ug/L #	97
59) 1,2,3-Trichloropropane	11.81	75	7331	1.214	ug/L	99

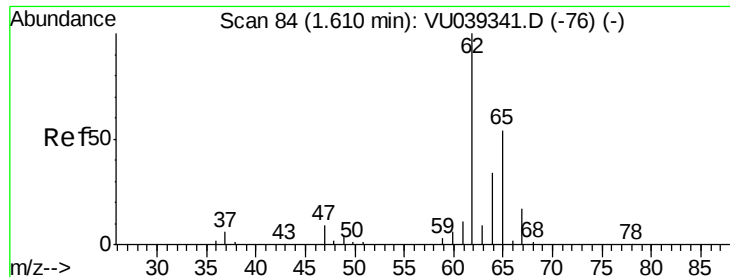
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.146 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039351.D

Acq: 08 Jul 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

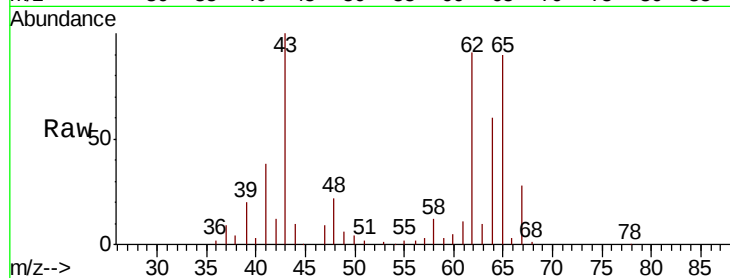
H4289

Tot Ion: 62 Resp: 27435

Ion Ratio Lower Upper

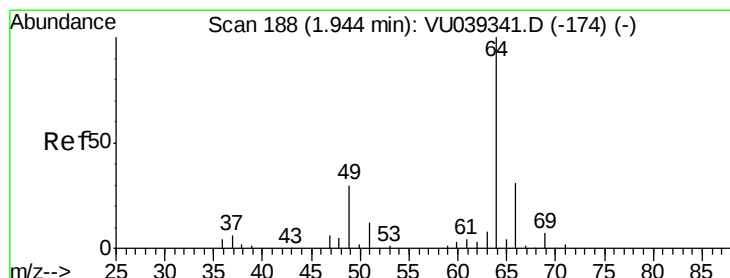
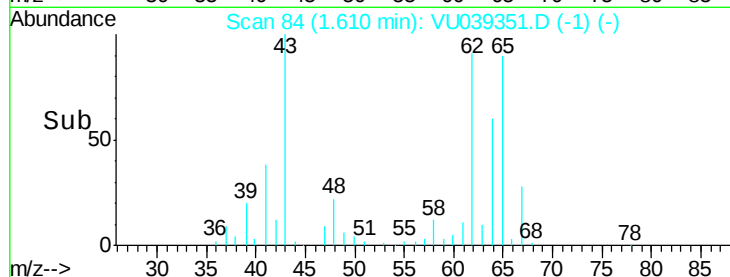
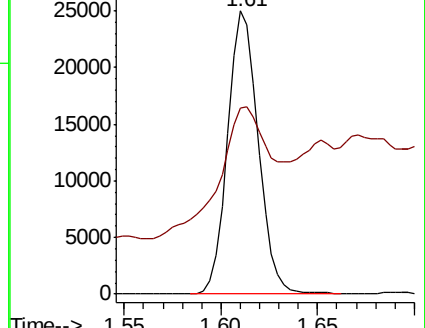
62 100

64 65.8 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU039351.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039351.D (-1) (-)



#8

Chloroethane

Concen: 0.348 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039351.D

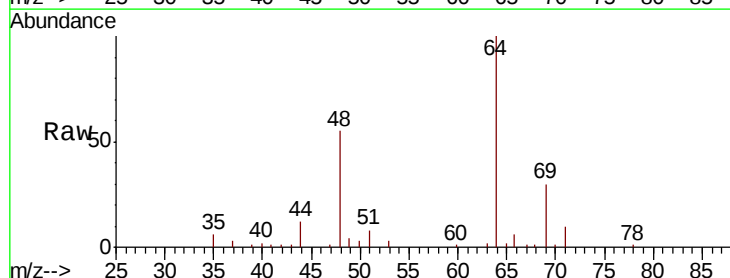
Acq: 08 Jul 2020 16:44

Tgt Ion: 64 Resp: 2191

Ion Ratio Lower Upper

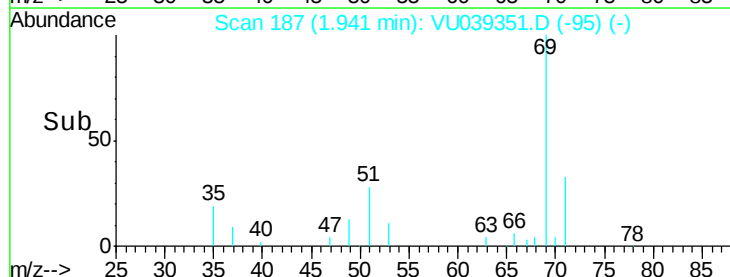
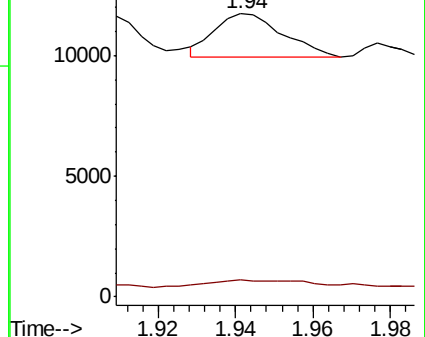
64 100

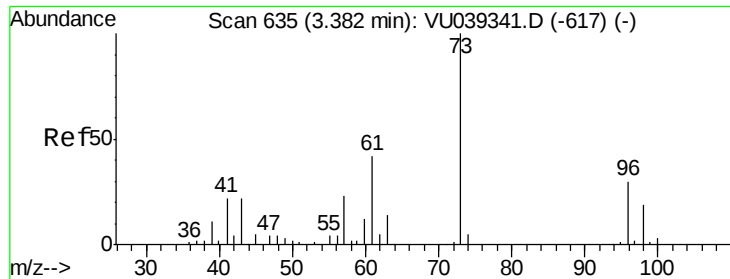
66 6.0 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039351.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU039351.D (-95) (-)

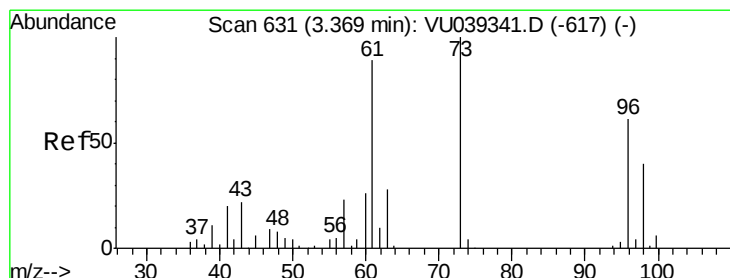
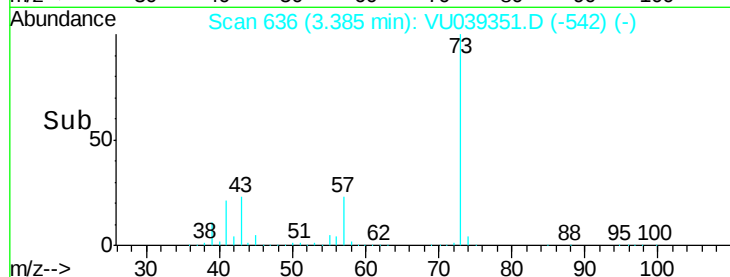
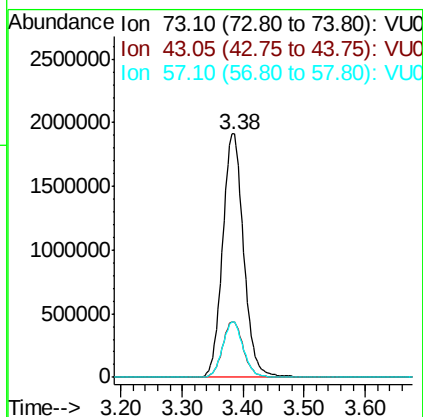
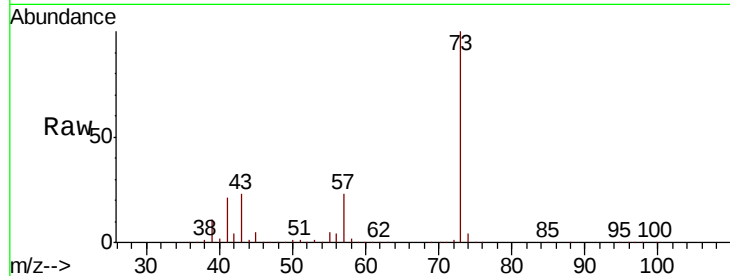




#17
Methvl tert-butvl Ether
Concen: 227.462 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

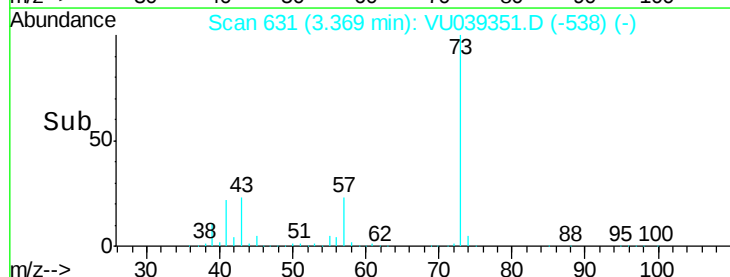
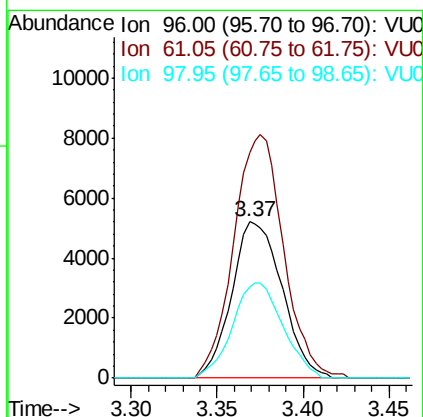
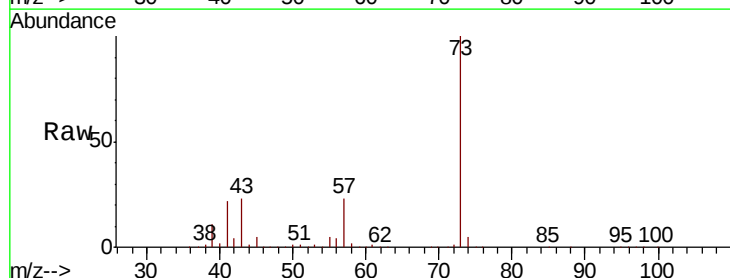
Instrument :
MSVOA_U
ClientSampled :
H4289

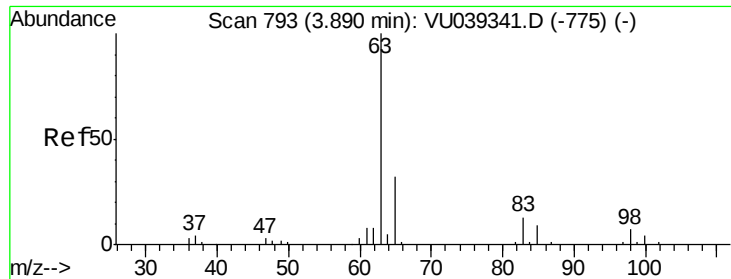
Tot Ion: 73 Resp: 4559029
Ion Ratio Lower Upper
73 100
43 22.6 18.6 28.0
57 22.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 1.509 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039351.D
Acq: 08 Jul 2020 16:44

Tgt Ion: 96 Resp: 10626
Ion Ratio Lower Upper
96 100
61 144.6 102.1 189.5
98 58.8 42.5 78.9

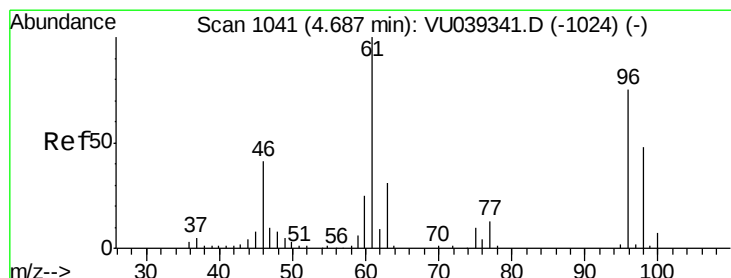
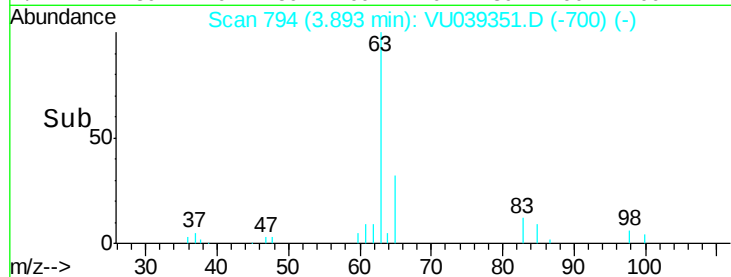
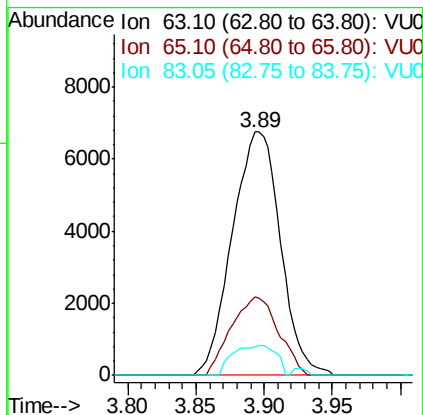
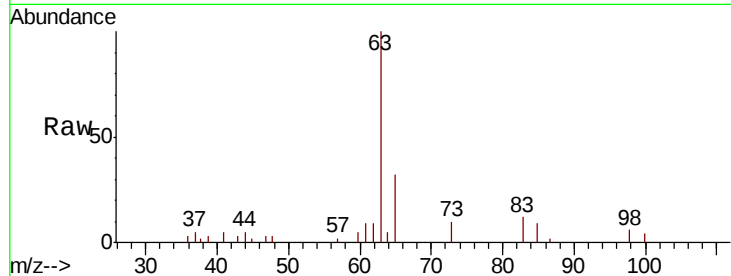




#19
 1,1-Dichloroethane
 Concen: 1.202 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039351.D
 Acq: 08 Jul 2020 16:44

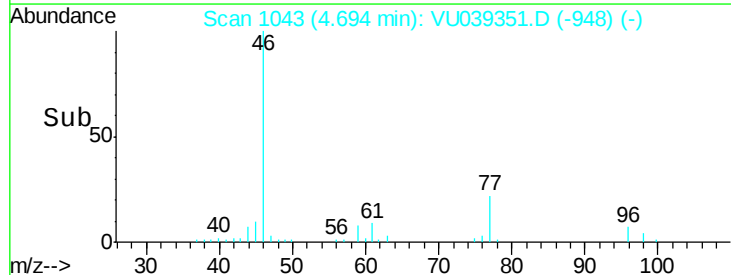
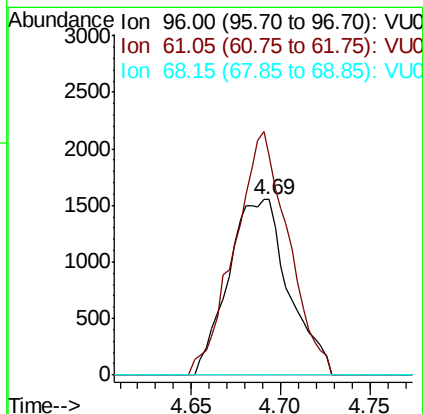
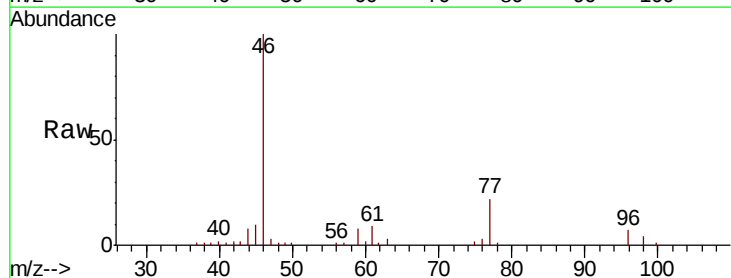
Instrument :
 MSVOA_U
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 H4289

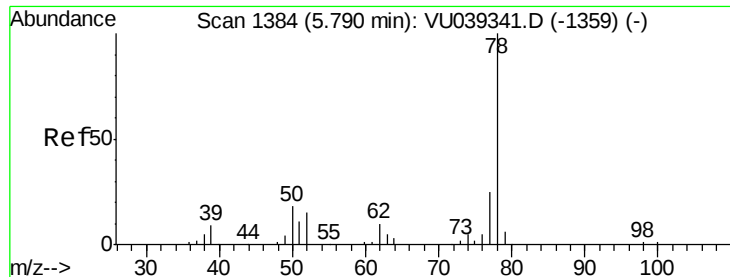
Tot Ion: 63 Resp: 16567
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.0 42.6
 83 11.7 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.461 ug/L
 RT: 4.69 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: VU039351.D
 Acq: 08 Jul 2020 16:44

Tgt Ion: 96 Resp: 3639
 Ion Ratio Lower Upper
 96 100
 61 125.2 92.8 172.4
 68 0.0 0.0 0.0





#33

Benzene

Concen: 0.456 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039351.D

Acq: 08 Jul 2020 16:44

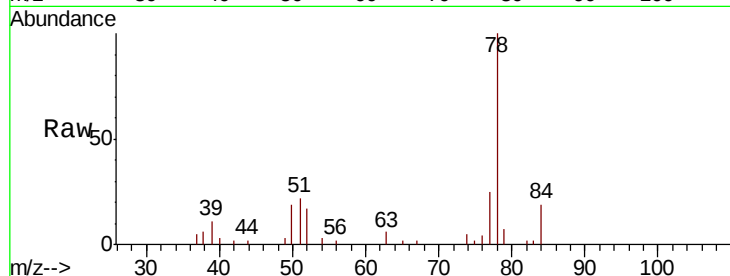
Instrument :

MSVOA_U

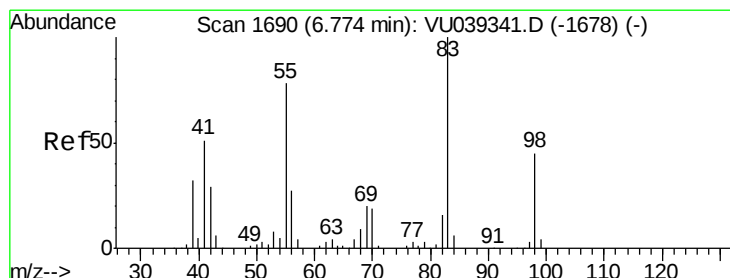
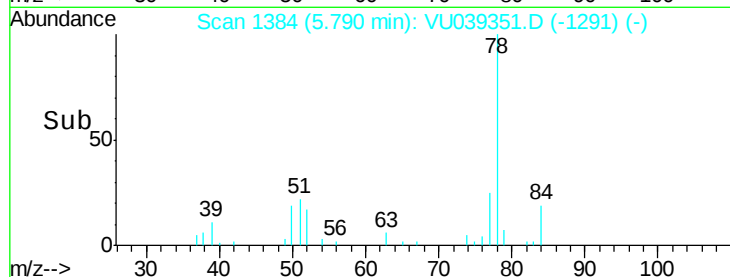
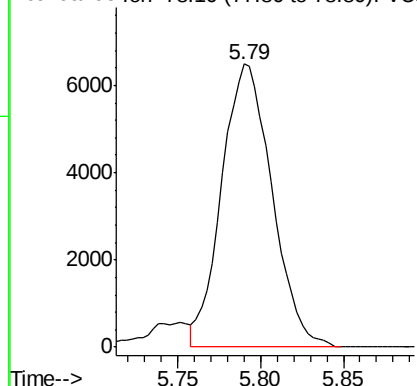
ClientSampled :

H4289

Tgt Ion: 78 Resp: 13717



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.886 ug/L

RT: 6.71 min Scan# 1669

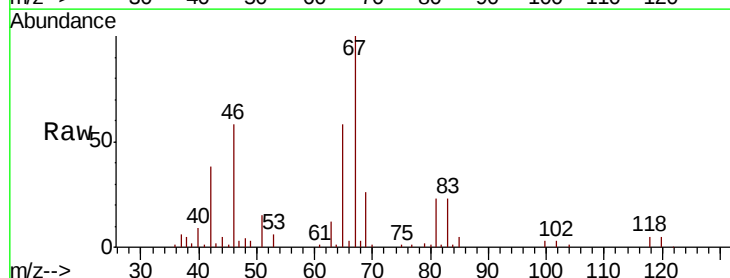
Delta R.T. -0.07 min

Lab File: VU039351.D

Acq: 08 Jul 2020 16:44

Tgt Ion: 83 Resp: 11036

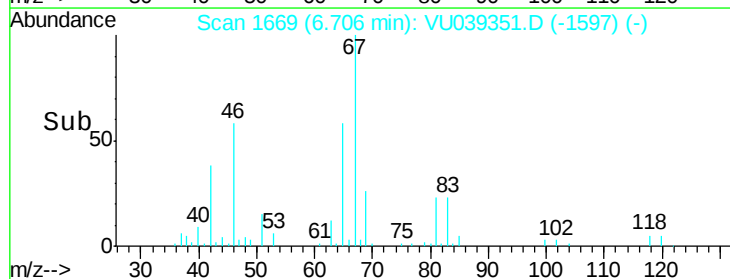
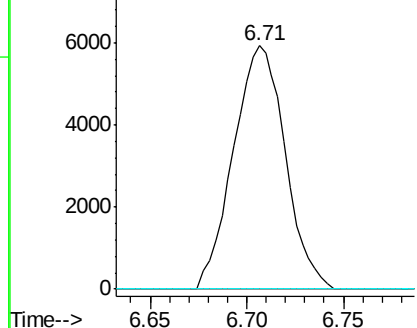
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.1	93.1#
98	0.0	35.9	53.9#

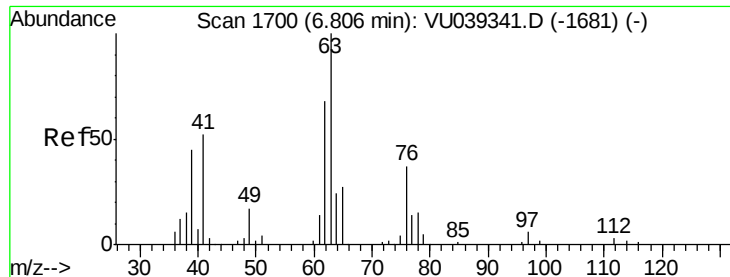


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

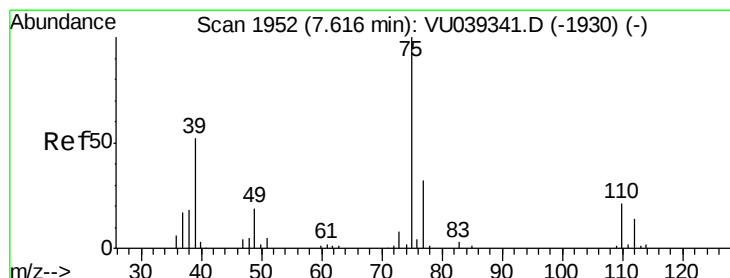
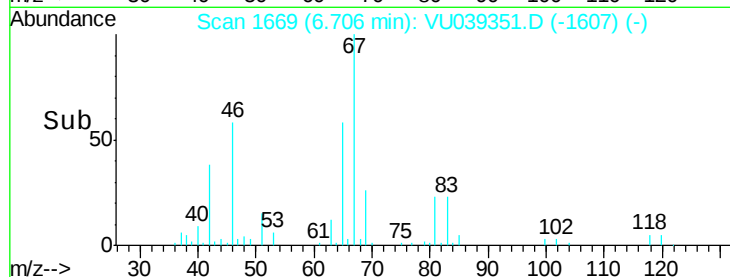
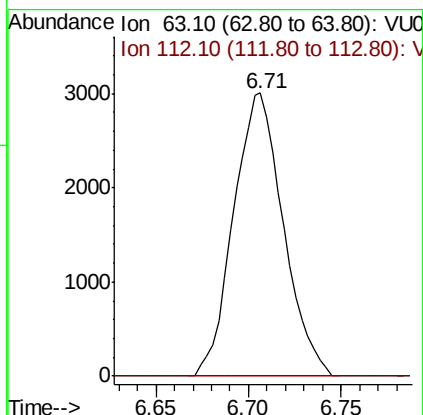
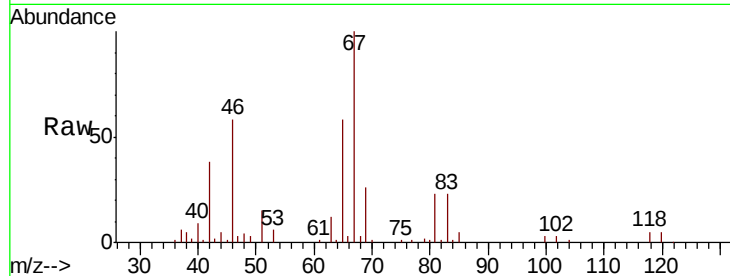




#37
 1,2-Dichloropropane
 Concen: 0.683 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039351.D
 Acq: 08 Jul 2020 16:44

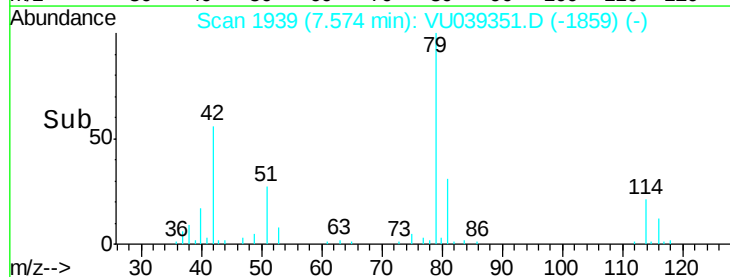
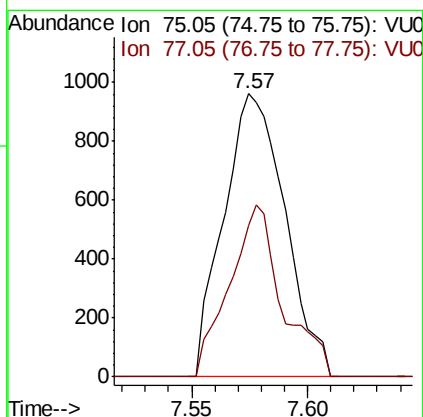
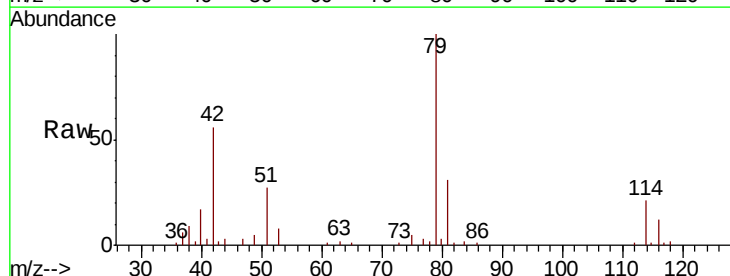
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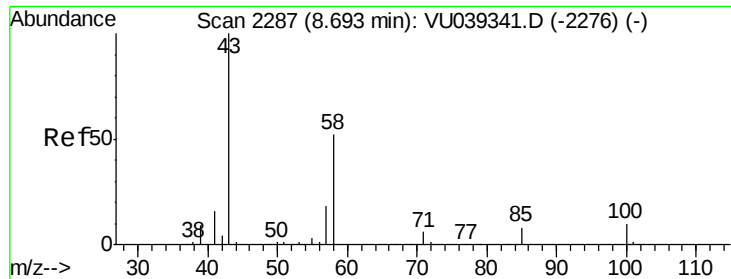
Tot Ion: 63 Resp: 5600
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.143 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039351.D
 Acq: 08 Jul 2020 16:44

Tgt Ion: 75 Resp: 1767
 Ion Ratio Lower Upper
 75 100
 77 53.5 22.3 41.3#

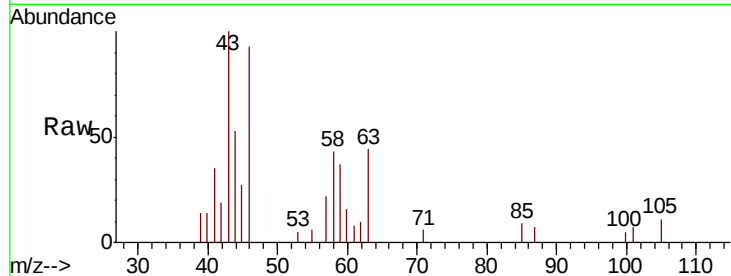




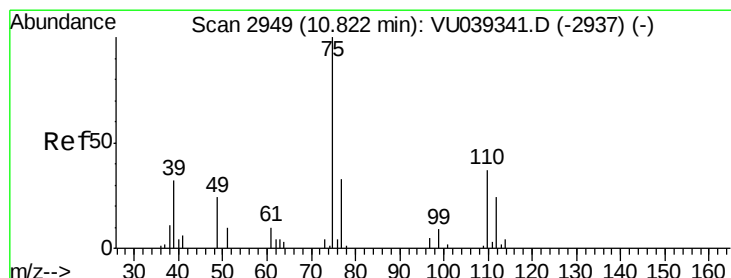
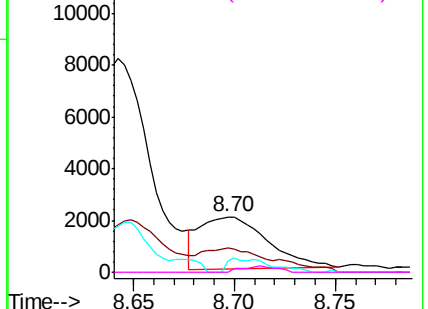
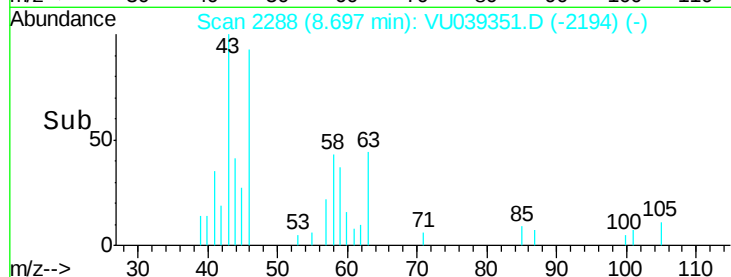
#48
 2-Hexanone
 Concen: 0.922 ug/L
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU039351.D
 Acq: 08 Jul 2020 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 H4289

Tot Ion: 43 Resp: 4648
 Ion Ratio Lower Upper
 43 100
 58 50.7 42.0 63.0
 57 17.0 14.0 21.0
 100 6.3 8.2 12.2#

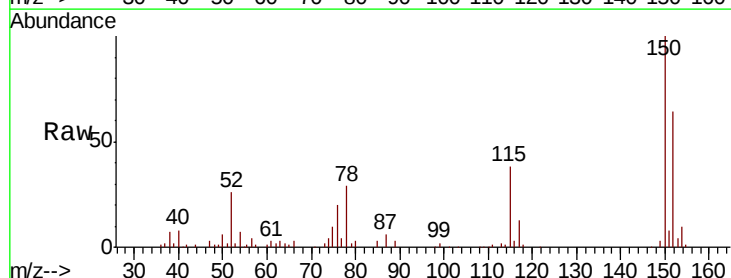


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 57.20 (56.90 to 57.90): VU0
 Ion 100.15 (99.85 to 100.85): VU0



#59
 1,2,3-Trichloropropane
 Concen: 1.214 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039351.D
 Acq: 08 Jul 2020 16:44

Tgt Ion: 75 Resp: 7331
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.8 40.2



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

