

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039394.D
 Acq On : 09 Jul 2020 14:41
 Operator : SY/MD
 Sample : L3231-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4292

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:49:54 AM

Quant Time: Jul 10 01:06:29 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	6.27	114	103404	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95831	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29637	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.93	69	25033	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.58	63	42037	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	4.66	46	134904	49.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.40%
24) Chloroform-d	5.09	84	59355	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	37424	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.75	84	111209	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.71	67	38123	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.91	98	92740	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	15041	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.64	63	96342	45.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.76%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	36800	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	40665	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	59924	7.107 ug/L #	58
17) Methyl tert-butyl Ether	3.39	73	28330	1.462 ug/L #	90
18) trans-1,2-Dichloroethene	3.37	96	114435	16.809 ug/L	97
19) 1,1-Dichloroethane	3.90	63	26810	2.013 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	10702	1.402 ug/L	91
30) Cyclohexane	5.41	56	1833m	0.154 ug/L	
33) Benzene	5.79	78	23877	0.833 ug/L	100

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

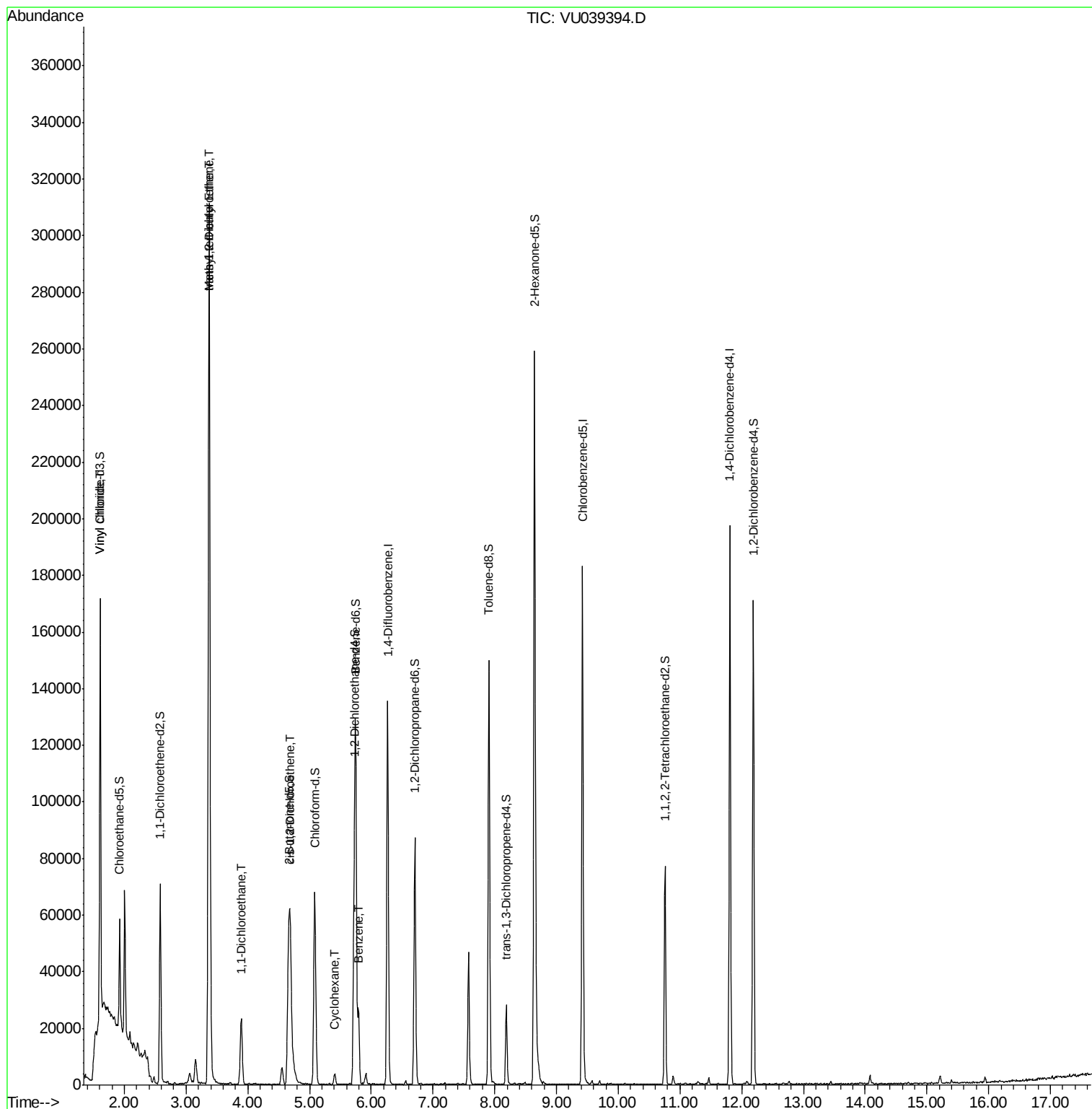
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
Data File : VU039394.D
Acq On : 09 Jul 2020 14:41
Operator : SY/MD
Sample : L3231-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

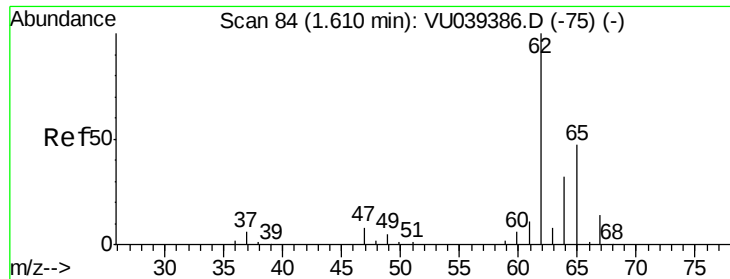
Instrument :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 10 00:19:08 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.107 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039394.D

Acq: 09 Jul 2020 14:41

Instrument :

MSVOA_U

ClientSampled :

H4292

Tot Ion: 62 Resp: 59924

Ion Ratio Lower Upper

62 100

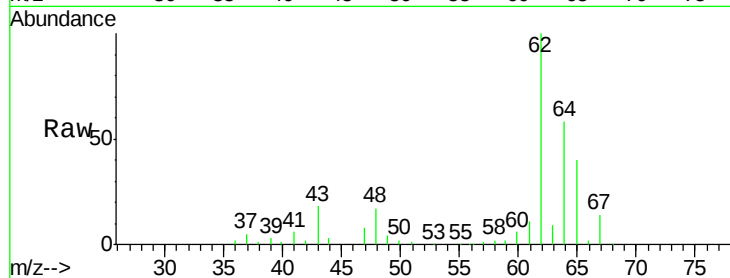
64 58.2 23.7 44.1#

Manual Integrations

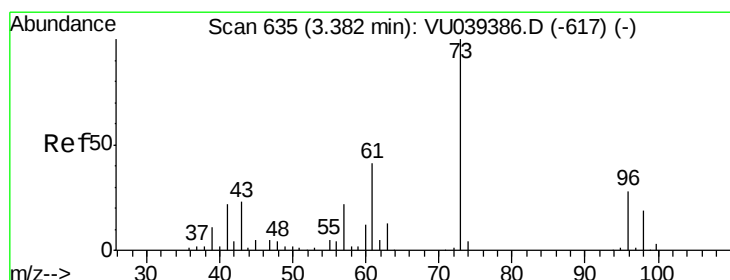
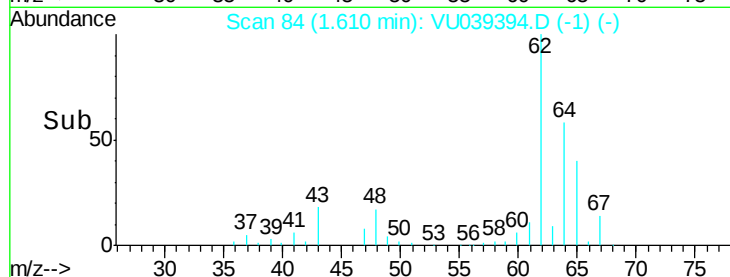
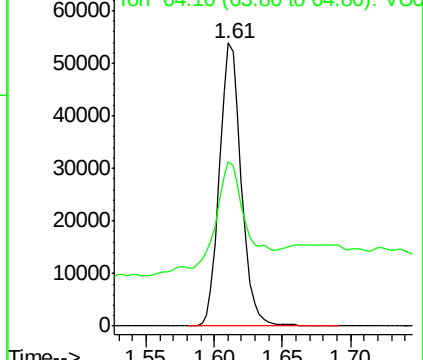
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Abundance Ion 62.00 (61.70 to 62.70): VU039394.D (-1) (-)



#17

Methyl tert-butyl Ether

Concen: 1.462 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039394.D

Acq: 09 Jul 2020 14:41

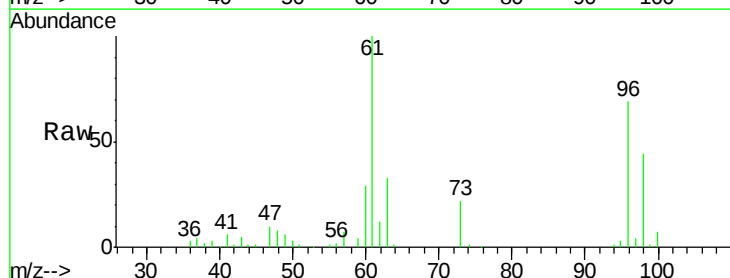
Tgt Ion: 73 Resp: 28330

Ion Ratio Lower Upper

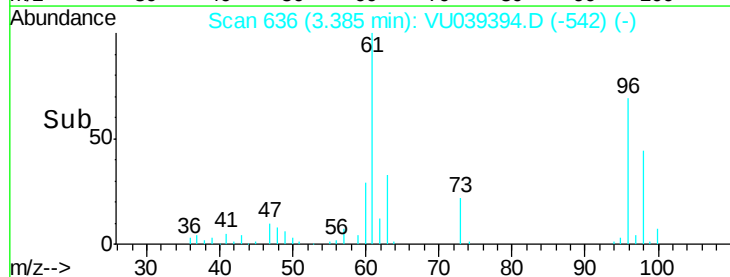
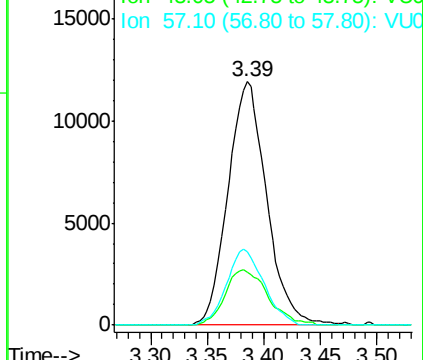
73 100

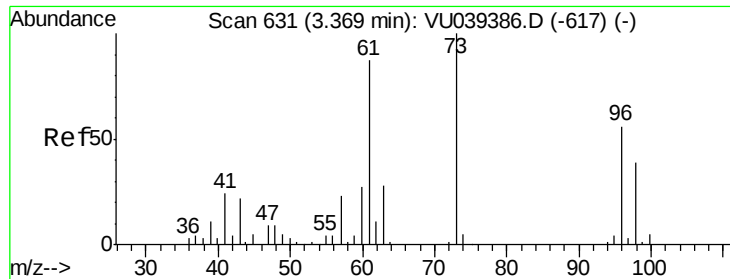
43 25.2 18.6 28.0

57 30.1 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VU039394.D (-542) (-)





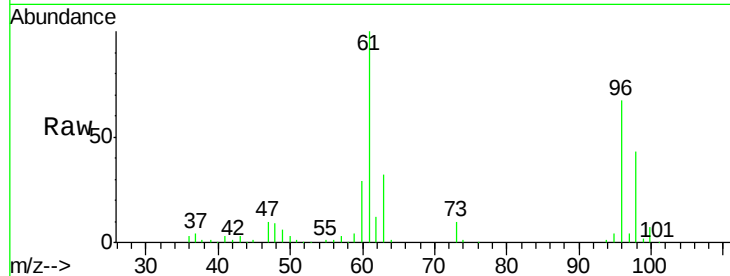
#18
trans-1,2-Dichloroethene
Concen: 16.809 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039394.D
Acq: 09 Jul 2020 14:41

Instrument :
MSVOA_U
ClientSampled :
H4292

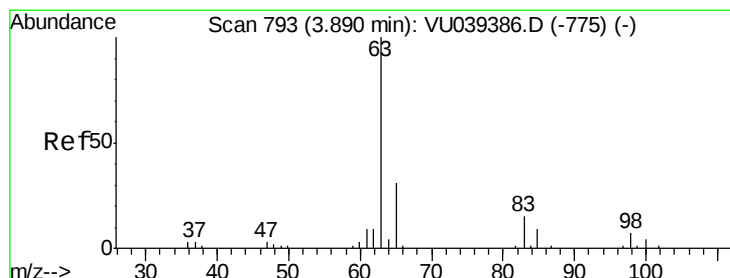
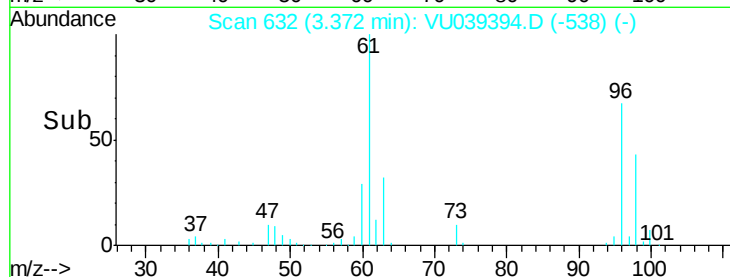
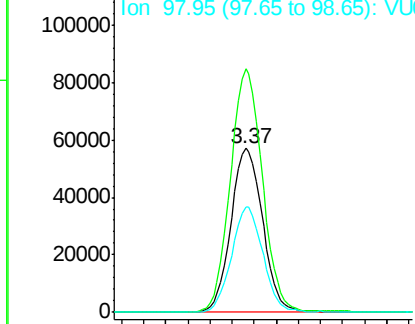
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	148.3	102.1	189.5	
98	64.4	42.5	78.9	

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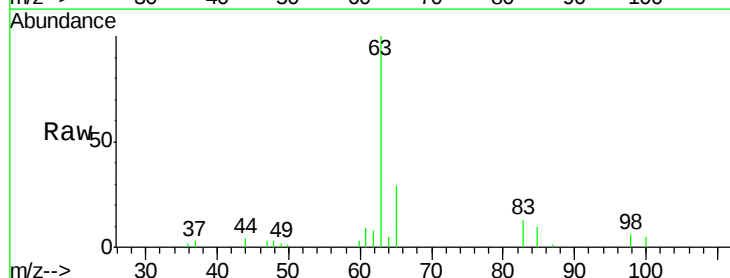


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

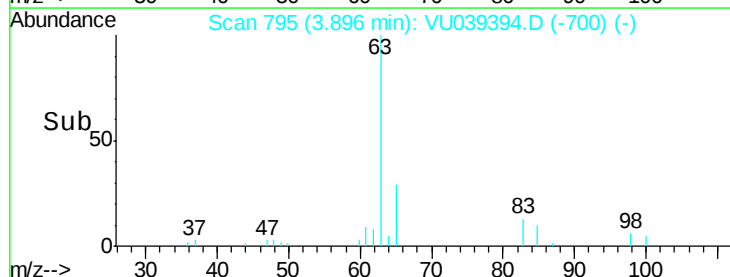
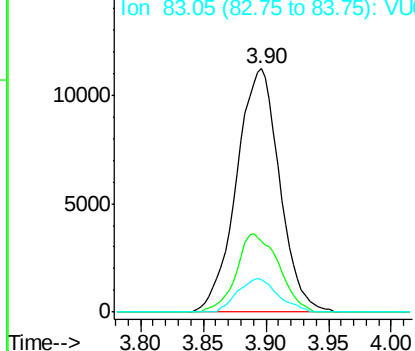


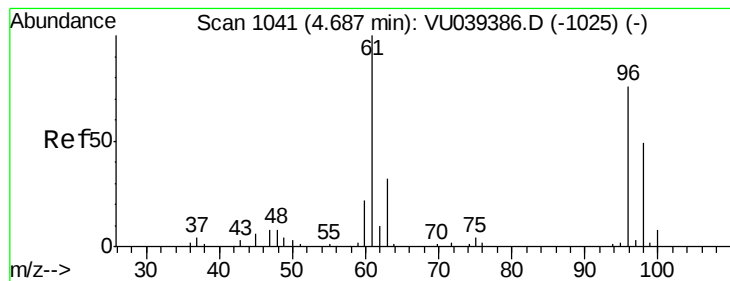
#19
1,1-Dichloroethane
Concen: 2.013 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.01 min
Lab File: VU039394.D
Acq: 09 Jul 2020 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
65	28.9	23.0	42.6	
83	13.3	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: 1.402 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039394.D

Acq: 09 Jul 2020 14:41

Instrument :

MSVOA_U

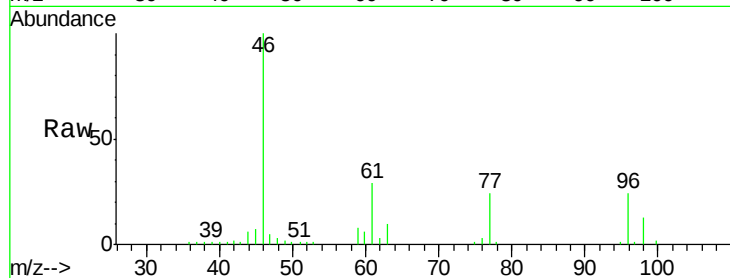
ClientSampleId :

H4292

Tot Ion:	96	Resp:	10702
Ion	Ratio	Lower	Upper
96	100		
61	121.5	92.8	172.4
68	0.0	0.0	0.0

Manual Integrations
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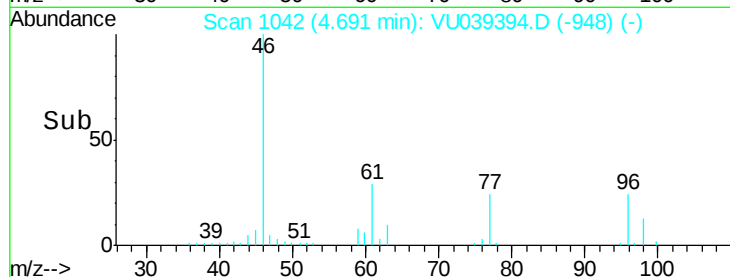


Abundance Ion 96.00 (95.70 to 96.70): VU039386.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039386.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039386.D (-1025) (-)

Time-->



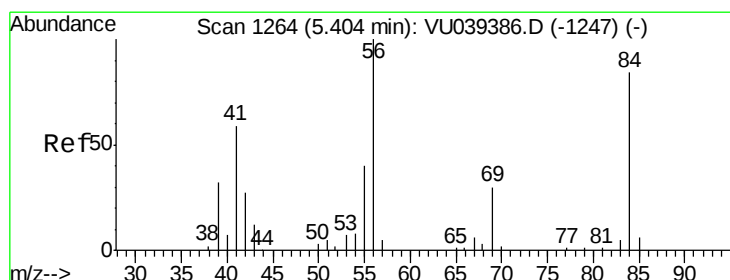
Abundance

Ion 96.00 (95.70 to 96.70): VU039394.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039394.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039394.D (-948) (-)

Time-->



#30

Cyclohexane

Concen: 0.154 ug/L m

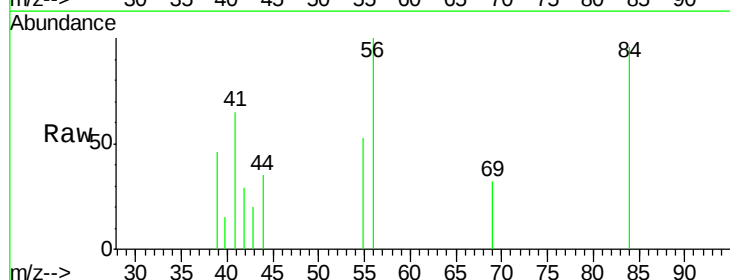
RT: 5.41 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VU039394.D

Acq: 09 Jul 2020 14:41

Tgt Ion:	56	Resp:	1833
Ion	Ratio	Lower	Upper
56	100		
69	27.7	24.1	36.1
84	85.8	67.0	100.6

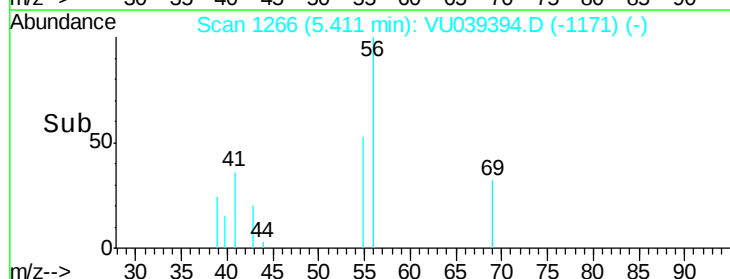


Abundance Ion 56.10 (55.80 to 56.80): VU039386.D (-1247) (-)

Ion 69.15 (68.85 to 69.85): VU039386.D (-1247) (-)

Ion 84.15 (83.85 to 84.85): VU039386.D (-1247) (-)

Time-->



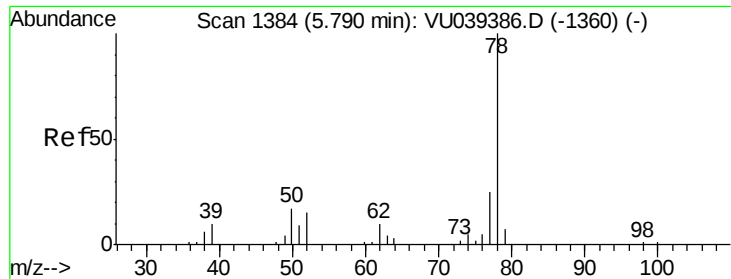
Abundance

Ion 56.10 (55.80 to 56.80): VU039394.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU039394.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU039394.D (-1171) (-)

Time-->



#33

Benzene

Concen: 0.833 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039394.D

Acq: 09 Jul 2020 14:41

Tgt Ion: 78 Resp: 23877

Instrument :
MSVOA_U
ClientSampleId :
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