

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039334.D
 Acq On : 07 Jul 2020 23:01
 Operator : SY/MD
 Sample : L3193-15DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4282DL

Quant Time: Jul 08 01:48:35 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	112833	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105572	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50721	5.00	ug/L	0.00

System Monitoring Compounds

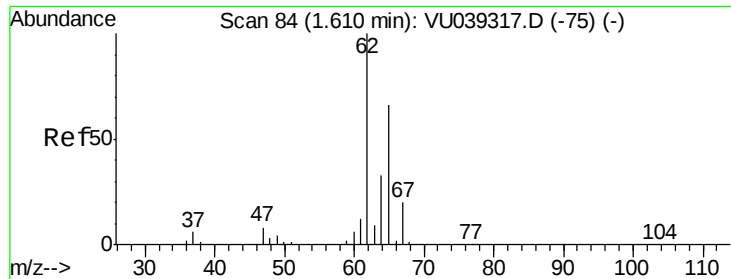
4) Vinyl Chloride-d3	1.61	65	37242	5.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.00%
7) Chloroethane-d5	1.92	69	39204	5.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.20%
11) 1,1-Dichloroethene-d2	2.58	63	54850	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	4.65	46	168548	56.33	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	5.09	84	81220	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.60%
26) 1,2-Dichloroethane-d4	5.72	65	50714	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
32) Benzene-d6	5.75	84	155373	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.20%
36) 1,2-Dichloropropane-d6	6.71	67	53629	6.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.20%
41) Toluene-d8	7.91	98	133350	6.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.00%
43) trans-1,3-Dichloropropene-	8.19	79	22430	5.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.80%
46) 2-Hexanone-d5	8.64	63	126016	53.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.76%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	47886	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	54418	6.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	48694	5.293	ug/L	100
12) 1,1-Dichloroethene	2.59	96	417	0.062	ug/L #	1
13) Acetone	2.66	43	3897	2.413	ug/L	87
16) Methylene chloride	3.06	84	1599	0.189	ug/L	90
17) Methyl tert-butyl Ether	3.39	73	10156	0.480	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	2151	0.290	ug/L	75
19) 1,1-Dichloroethane	3.90	63	1221	0.084	ug/L #	89
21) 2-Butanone	4.74	43	11695	4.057	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	23929	2.873	ug/L	99
35) Methylcyclohexane	6.71	83	12012	0.919	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	6224	0.723	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1928	0.148	ug/L	84
59) 1,2,3-Trichloropropane	11.81	75	7758	1.223	ug/L	93

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

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#5

Vinyl chloride

Concen: 5.293 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

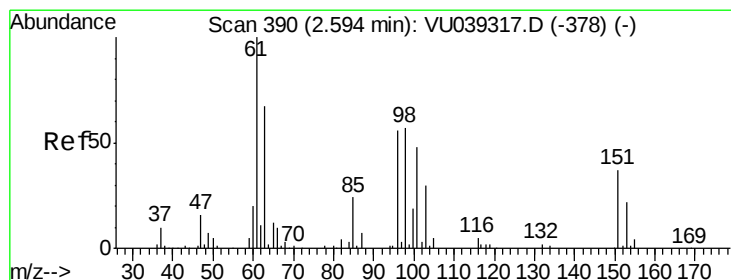
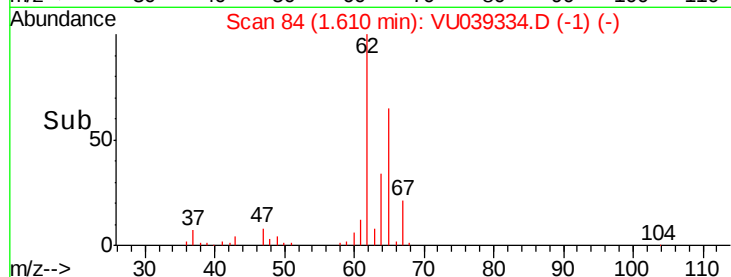
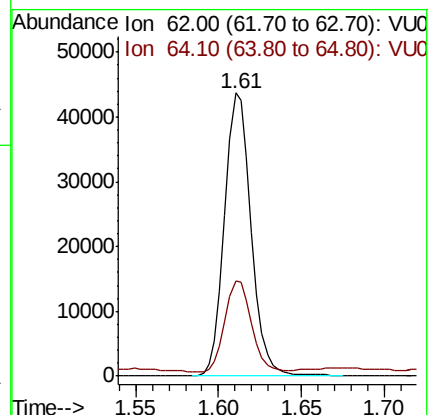
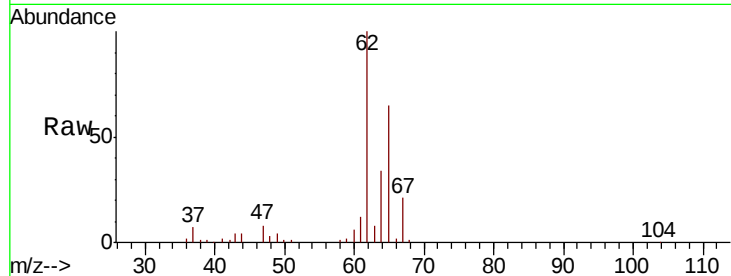
H4282DL

Tot Ion: 62 Resp: 48694

Ion Ratio Lower Upper

62 100

64 33.8 23.7 44.1



#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

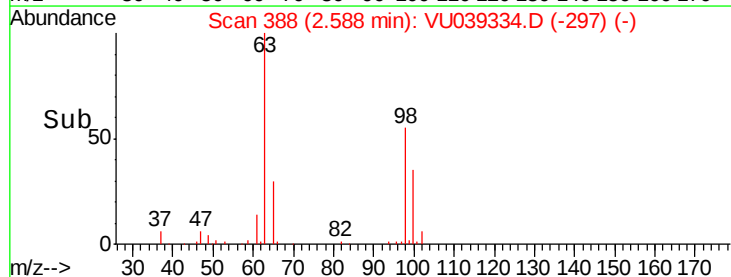
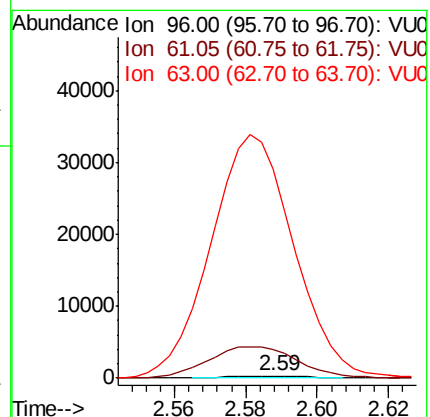
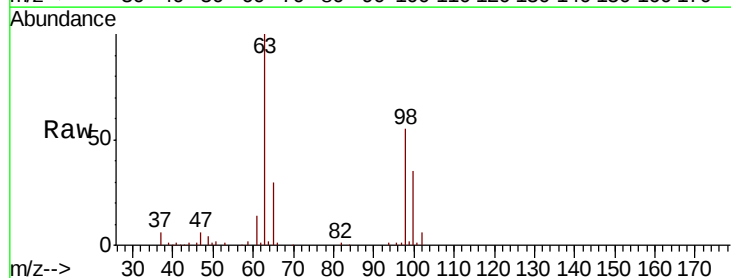
Tgt Ion: 96 Resp: 417

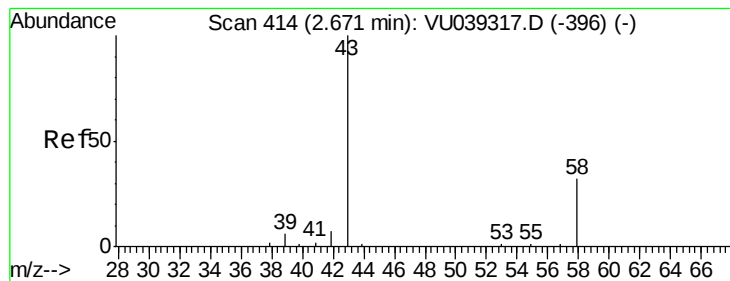
Ion Ratio Lower Upper

96 100

61 1378.8 125.4 232.8#

63 9961.6 92.7 172.3#





#13

Acetone

Concen: 2.413 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

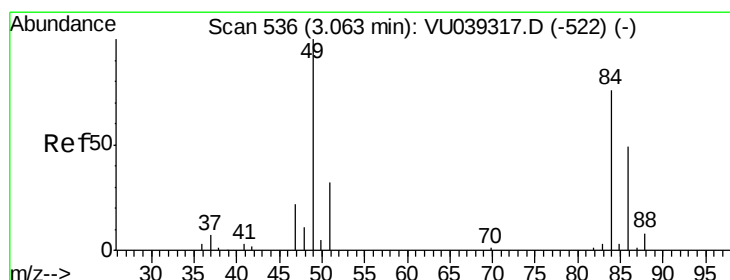
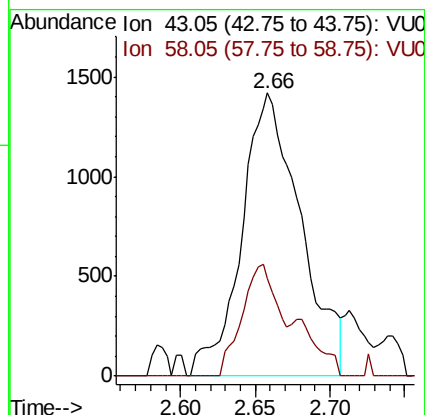
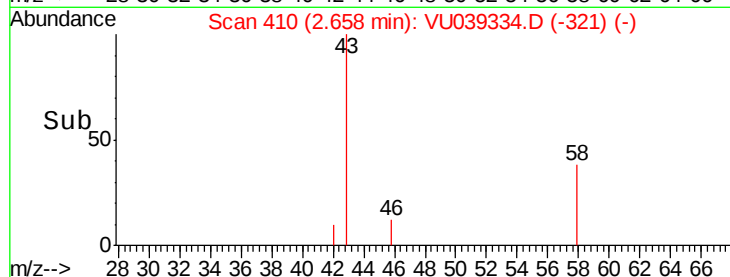
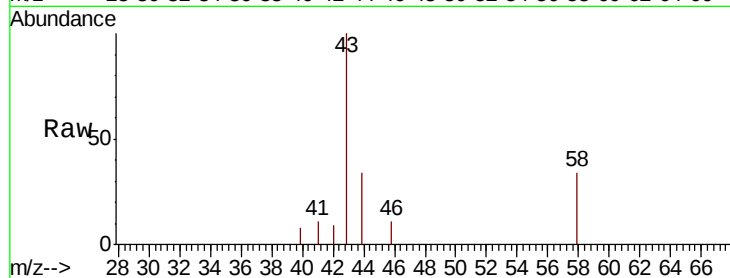
H4282DL

Tot Ion: 43 Resp: 3897

Ion Ratio Lower Upper

43 100

58 24.0 0.0 62.8



#16

Methylene chloride

Concen: 0.189 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

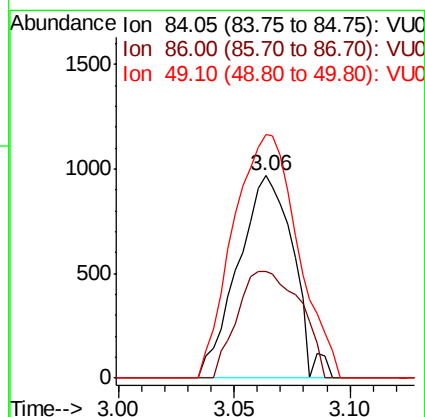
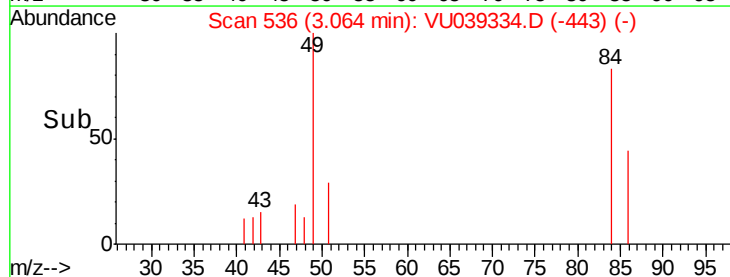
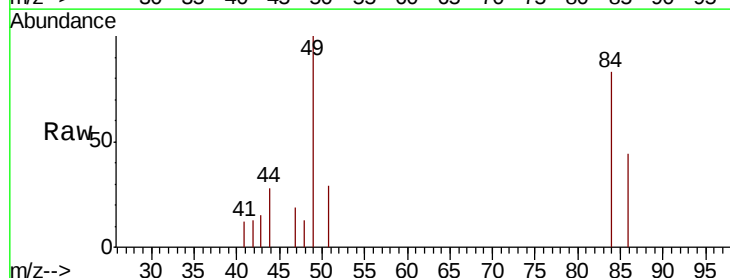
Tgt Ion: 84 Resp: 1599

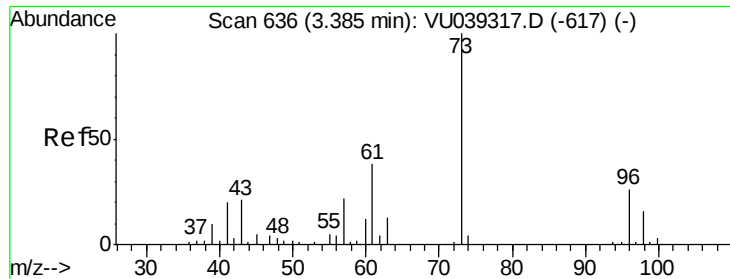
Ion Ratio Lower Upper

84 100

86 52.6 43.5 80.9

49 120.4 91.1 169.1

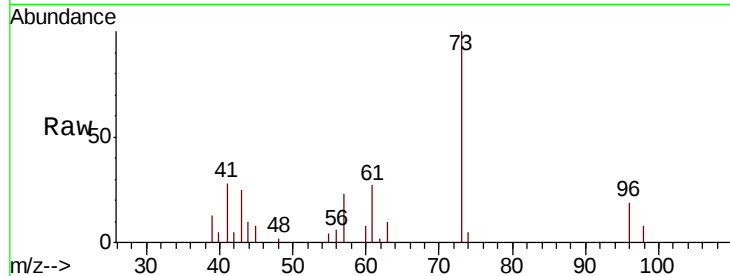




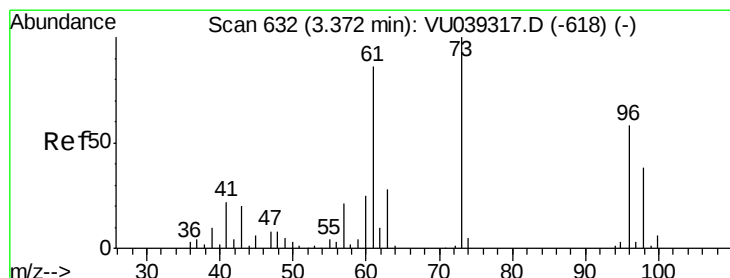
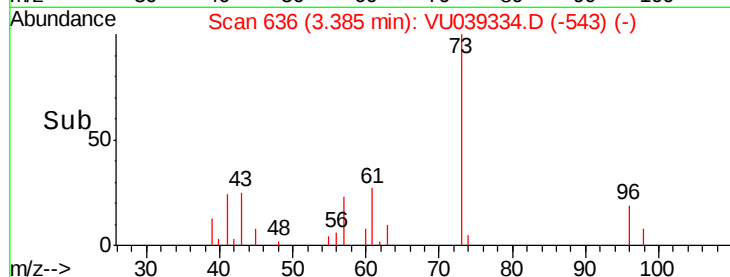
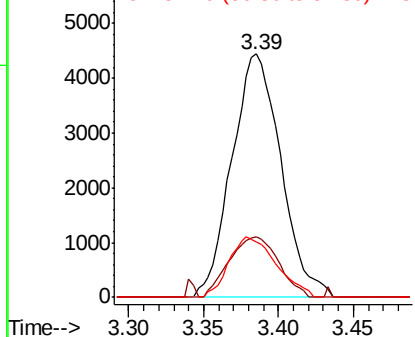
#17
Methvl tert-butvl Ether
Concen: 0.480 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039334.D
Acq: 07 Jul 2020 23:01

Instrument :
MSVOA_U
ClientSampleId :
H4282DL

Tot Ion: 73 Resp: 10156
Ion Ratio Lower Upper
73 100
43 25.0 18.6 28.0
57 23.9 17.9 26.9

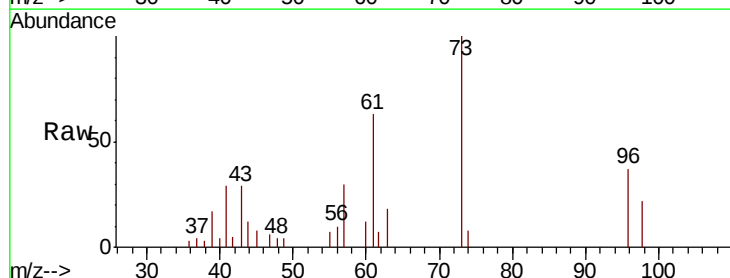


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

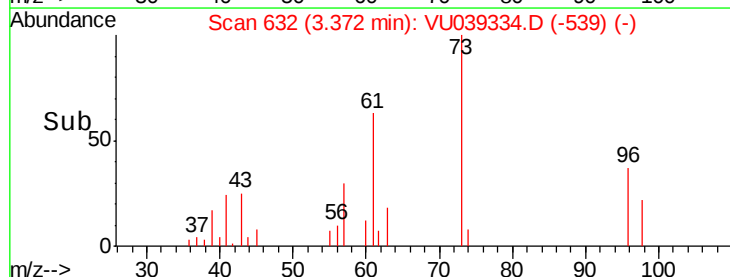
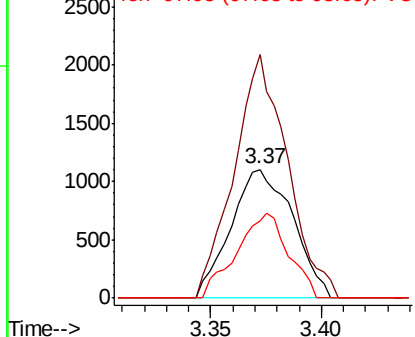


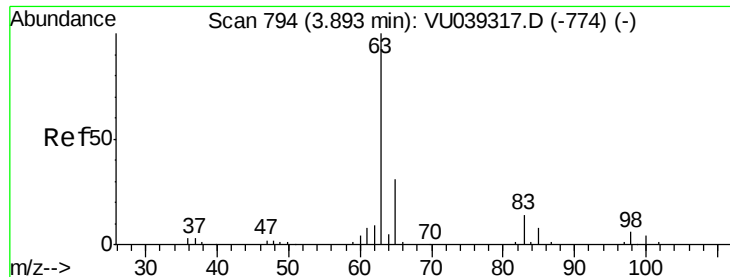
#18
trans-1,2-Dichloroethene
Concen: 0.290 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039334.D
Acq: 07 Jul 2020 23:01

Tgt Ion: 96 Resp: 2151
Ion Ratio Lower Upper
96 100
61 188.8 102.1 189.5
98 60.1 42.5 78.9



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

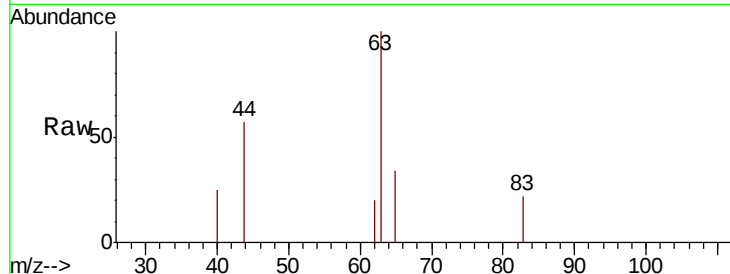




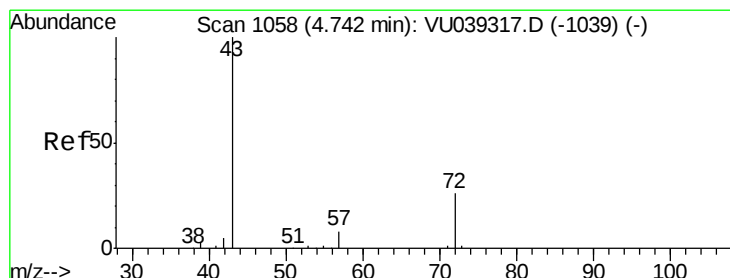
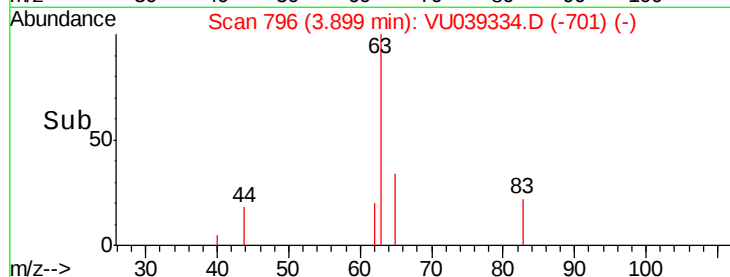
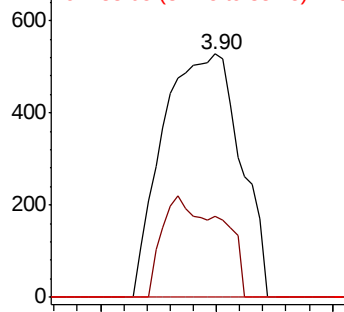
#19
 1,1-Dichloroethane
 Concen: 0.084 ug/L
 RT: 3.90 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VU039334.D
 Acq: 07 Jul 2020 23:01

Instrument :
 MSVOA_U
 ClientSampleId :
 H4282DL

Tot Ion: 63 Resp: 1221
 Ion Ratio Lower Upper
 63 100
 65 33.5 23.0 42.6
 83 0.0 9.6 17.8#

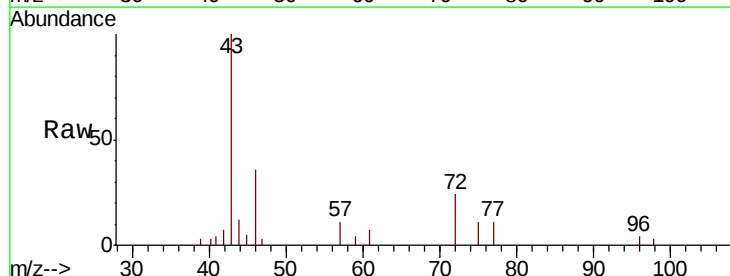


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

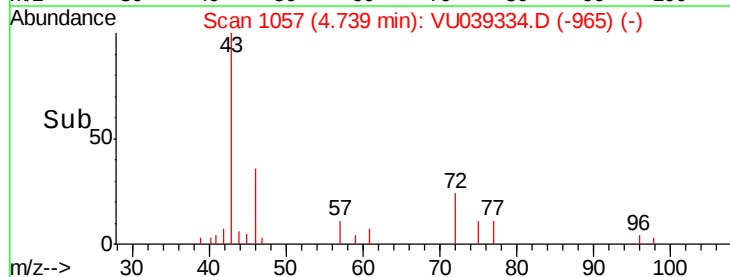
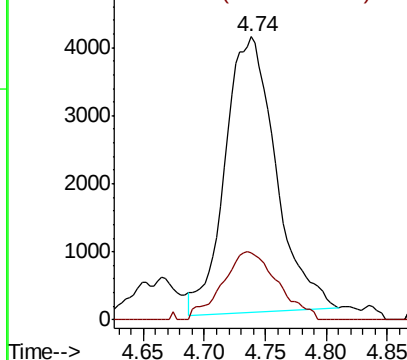


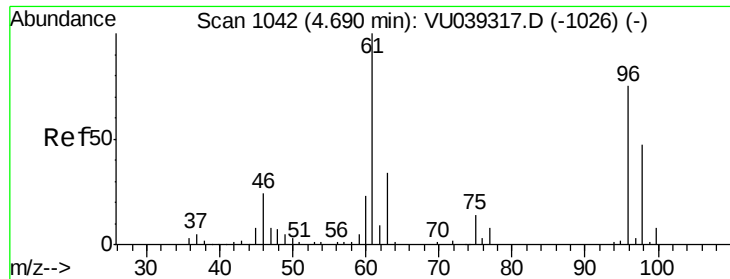
#21
 2-Butanone
 Concen: 4.057 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU039334.D
 Acq: 07 Jul 2020 23:01

Tgt Ion: 43 Resp: 11695
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 2.873 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

H4282DL

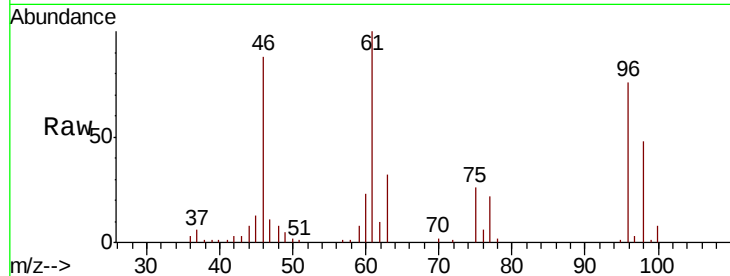
Tot Ion: 96 Resp: 23929

Ion Ratio Lower Upper

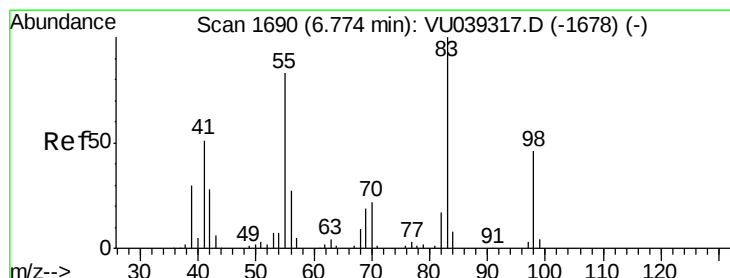
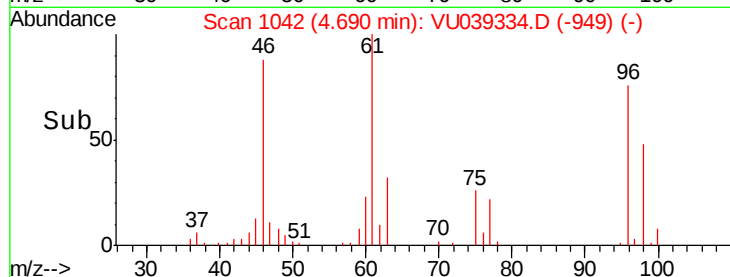
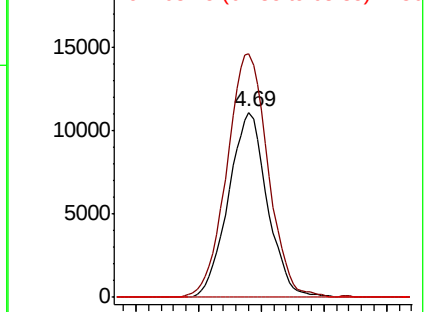
96 100

61 131.4 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



#35

Methylcyclohexane

Concen: 0.919 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

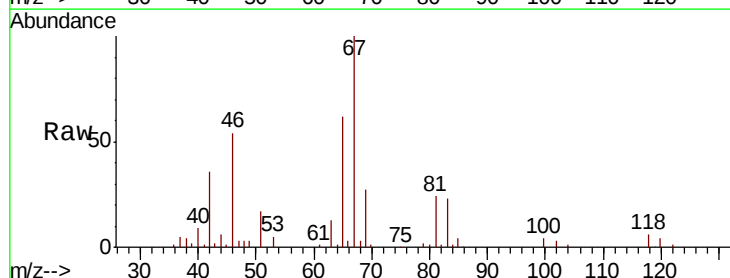
Tgt Ion: 83 Resp: 12012

Ion Ratio Lower Upper

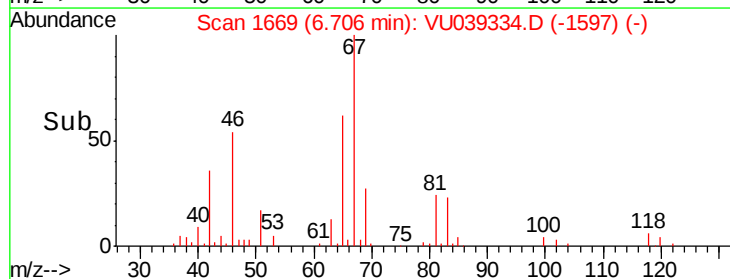
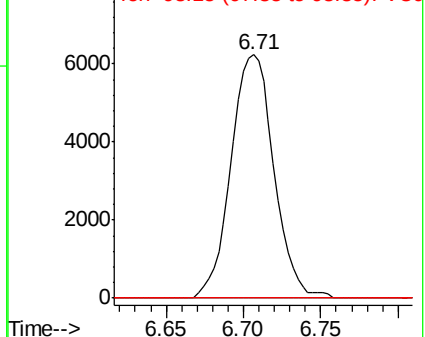
83 100

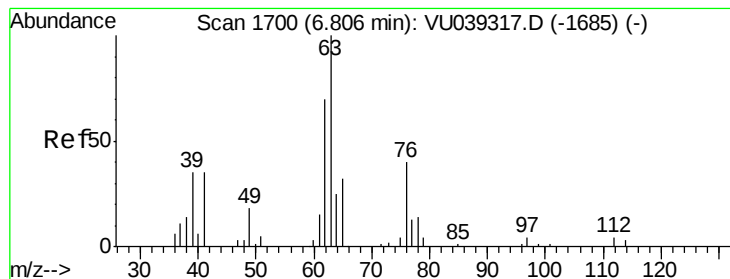
55 0.0 62.1 93.1#

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: 0.723 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

Instrument :

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ClientSampleId :

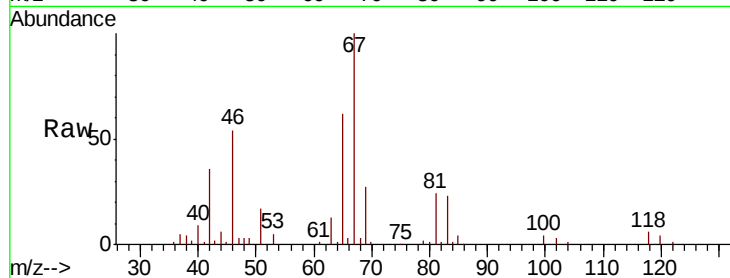
H4282DL

Tot Ion: 63 Resp: 6224

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039317.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU039317.D (-1685) (-)

4000

3000

2000

1000

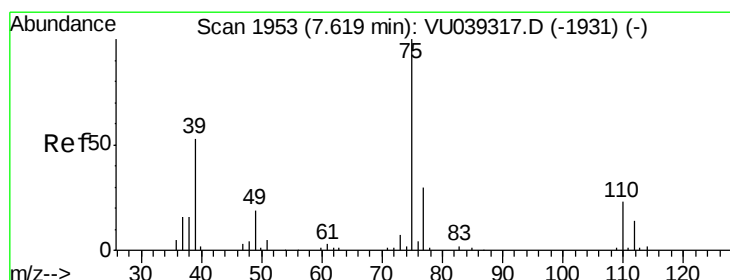
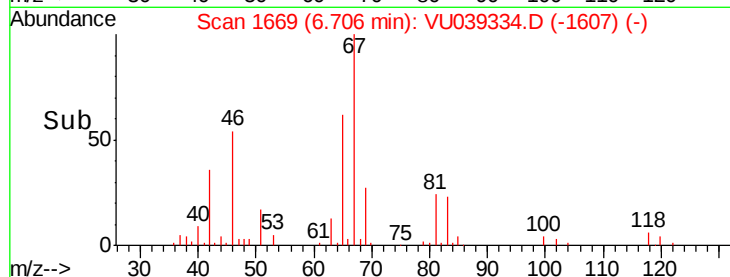
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.148 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039334.D

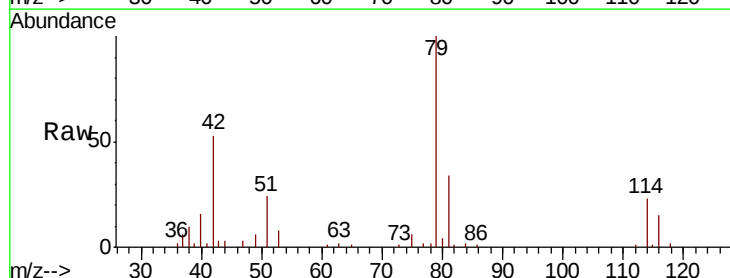
Acq: 07 Jul 2020 23:01

Tgt Ion: 75 Resp: 1928

Ion Ratio Lower Upper

75 100

77 40.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU039317.D (-1931) (-)

Ion 77.05 (76.75 to 77.75): VU039317.D (-1931) (-)

1000

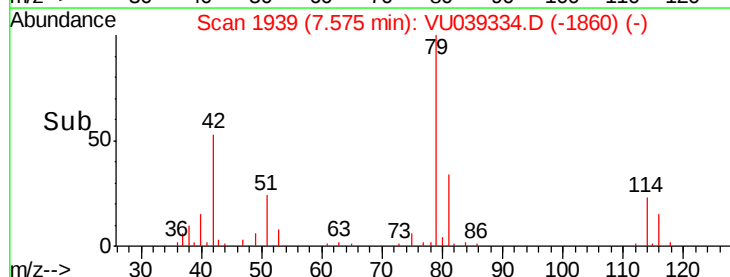
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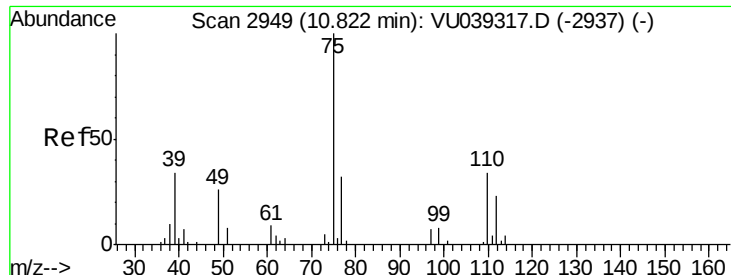
0

7.55

7.60

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.223 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039334.D

Acq: 07 Jul 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

H4282DL

Tot Ion: 75 Resp: 7758

Ion Ratio Lower Upper

75 100

77 37.4 26.8 40.2

