

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039305.D
 Acq On : 06 Jul 2020 20:38
 Operator : SY/MD
 Sample : L3193-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4287

Quant Time: Jul 07 01:21:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	113658	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105941	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50460	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43569	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	38345	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	62761	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.66	46	158708	48.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.36%
24) Chloroform-d	5.09	84	85617	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.72	65	50526	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.75	84	169071	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.71	67	56425	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.91	98	150919	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.19	79	22548	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.64	63	122931	46.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.12%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49106	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	57836	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

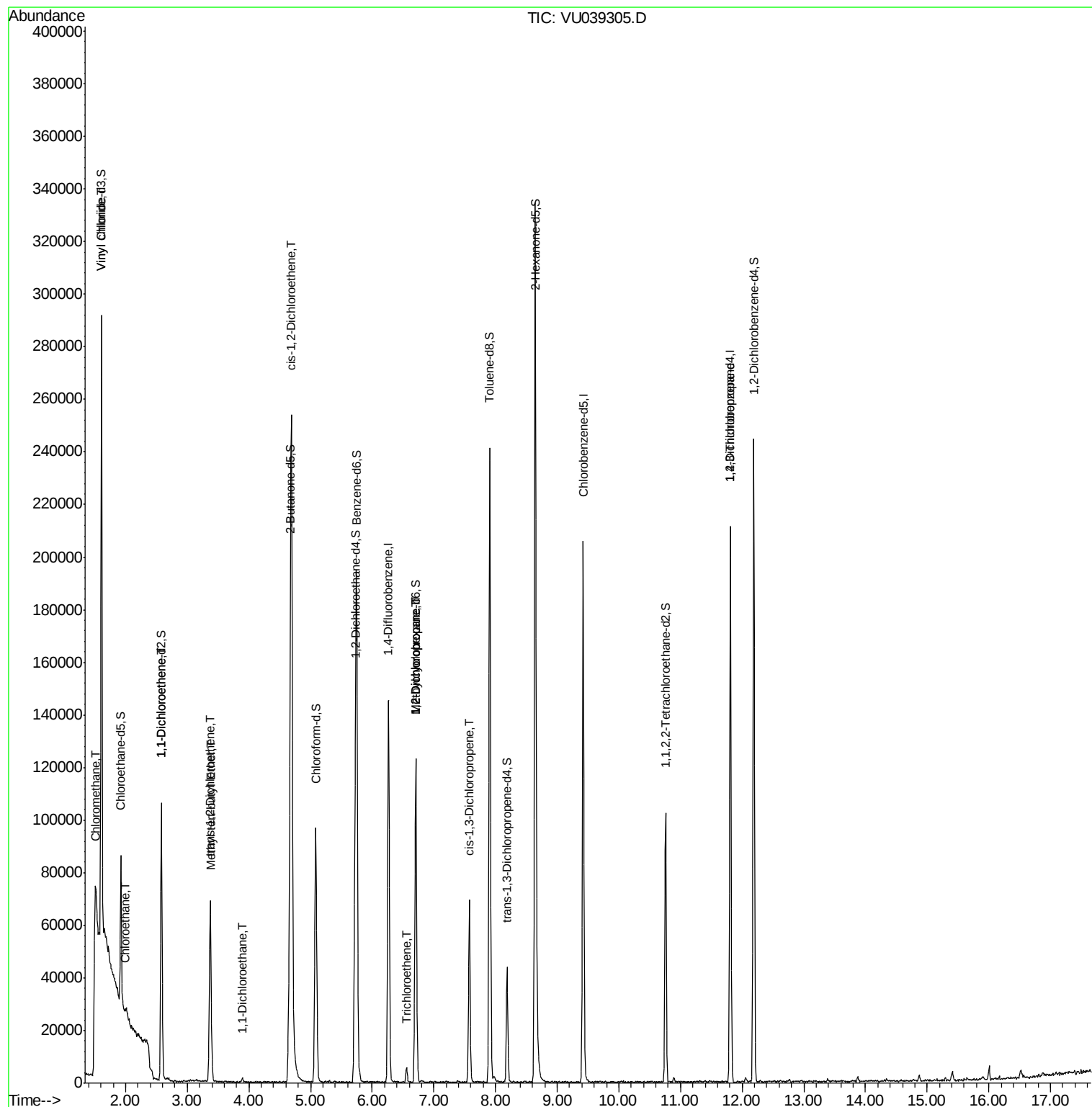
					Ovalue
3) Chloromethane	1.52	50	2445	0.297 ug/L #	39
5) Vinyl chloride	1.61	62	118028	13.938 ug/L #	56
8) Chloroethane	1.99	64	850	0.147 ug/L #	55
12) 1,1-Dichloroethene	2.58	96	723	0.112 ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	7722	0.365 ug/L	94
18) trans-1,2-Dichloroethene	3.38	96	24811	3.544 ug/L	96
19) 1,1-Dichloroethane	3.90	63	1865	0.133 ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	105445	13.220 ug/L	99
34) Trichloroethene	6.56	95	1705	0.221 ug/L	93
35) Methylcyclohexane	6.70	83	12429	1.008 ug/L #	18
37) 1,2-Dichloropropane	6.71	63	6761	0.812 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	1858	0.143 ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	7265	1.160 ug/L	92

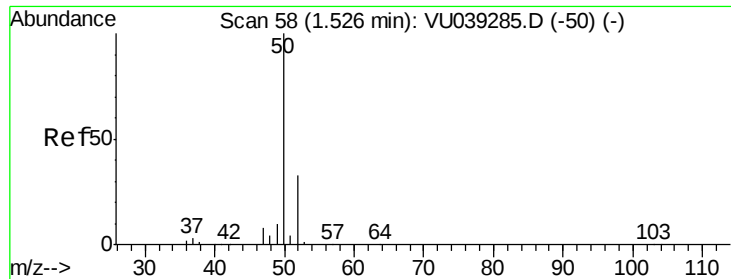
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.297 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU039305.D

Acq: 06 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

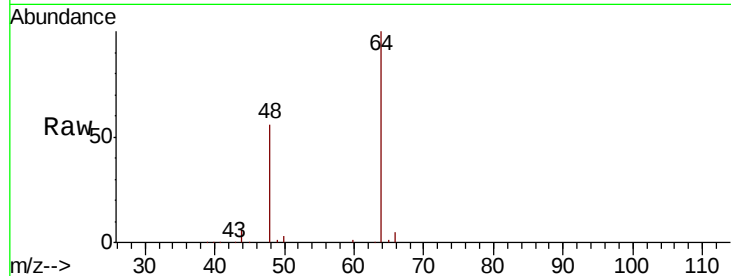
H4287

Tot Ion: 50 Resp: 2445

Ion Ratio Lower Upper

50 100

52 0.0 24.7 45.9#



Abundance Ion 50.05 (49.75 to 50.75): VU039305.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039305.D (-1) (-)

1500

1000

500

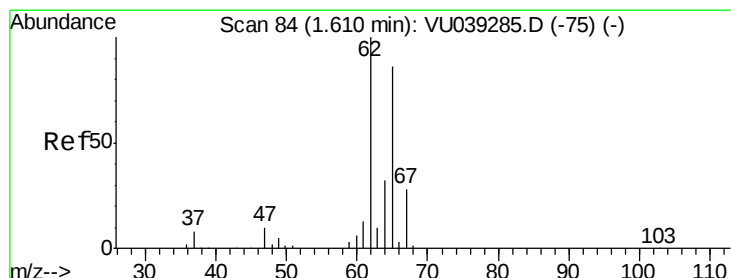
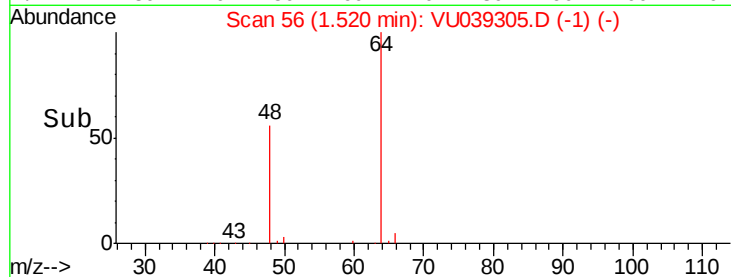
0

1.45

1.50

1.52

Time-->



#5

Vinyl chloride

Concen: 13.938 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039305.D

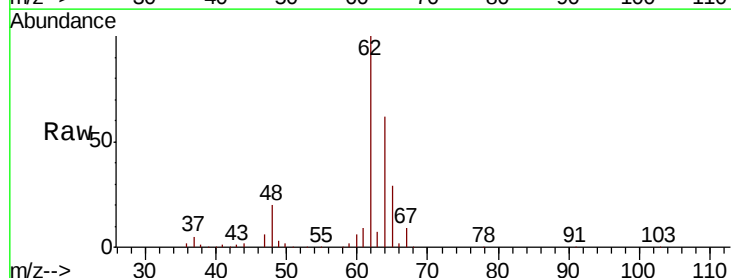
Acq: 06 Jul 2020 20:38

Tgt Ion: 62 Resp: 118028

Ion Ratio Lower Upper

62 100

64 62.5 25.6 47.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039305.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039305.D (-1) (-)

120000

100000

80000

60000

40000

20000

0

1.55

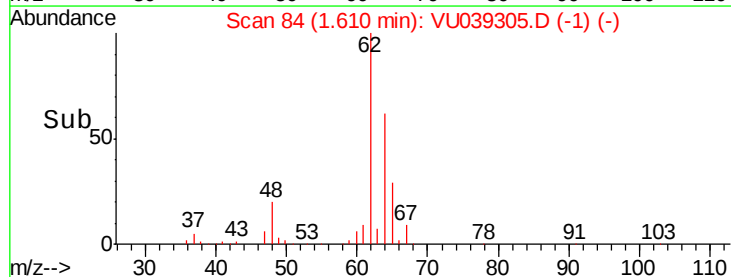
1.60

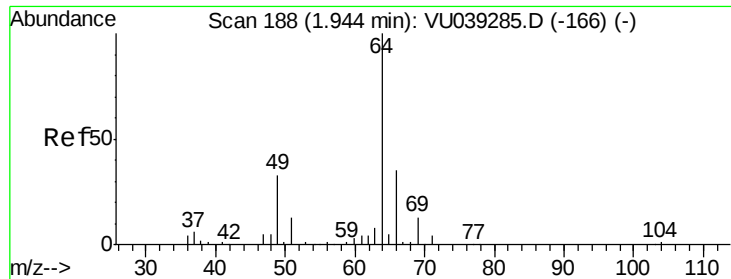
1.61

1.65

1.70

Time-->





#8

Chloroethane

Concen: 0.147 ug/L

RT: 1.99 min Scan# 203

Delta R.T. 0.05 min

Lab File: VU039305.D

Acq: 06 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

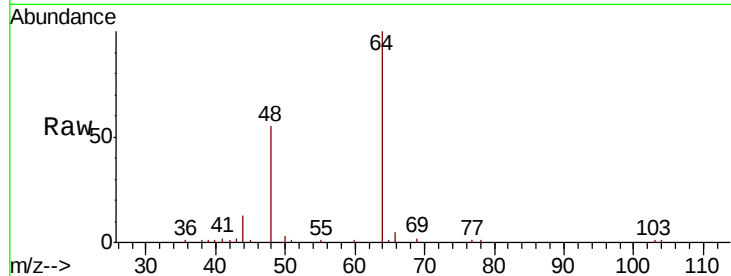
H4287

Tot Ion: 64 Resp: 850

Ion Ratio Lower Upper

64 100

66 5.4 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU039285.D (-166) (-)

Ion 66.05 (65.75 to 66.75): VU039285.D (-166) (-)

1.99

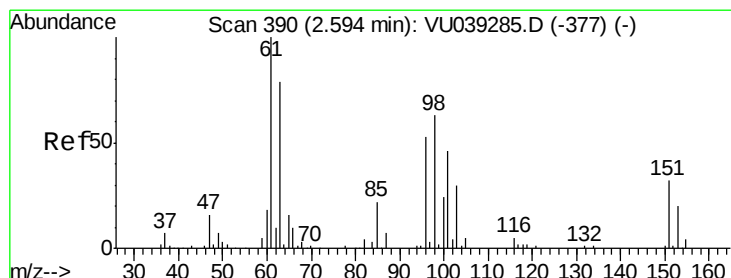
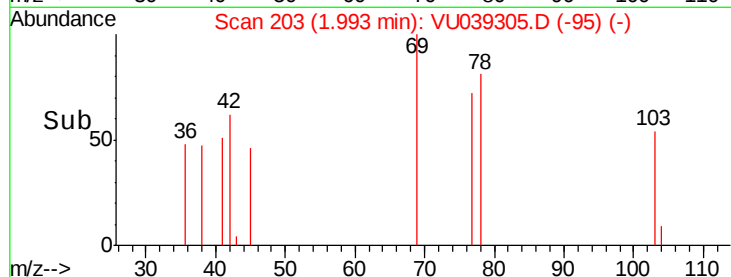
15000

10000

5000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039305.D

Acq: 06 Jul 2020 20:38

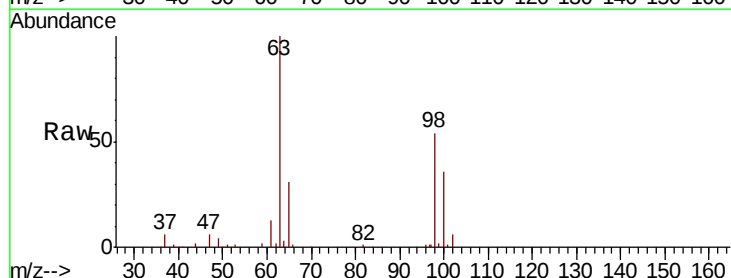
Tgt Ion: 96 Resp: 723

Ion Ratio Lower Upper

96 100

61 698.2 123.8 230.0#

63 5342.3 112.1 208.3#



Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039285.D (-377) (-)

50000

40000

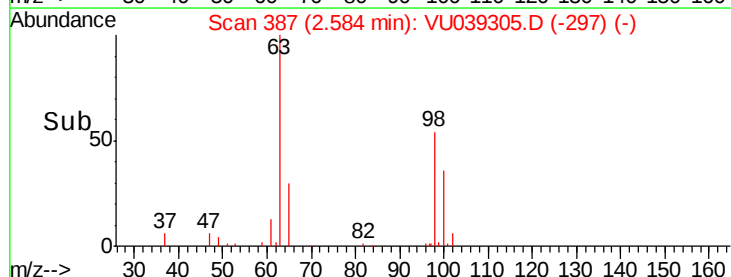
30000

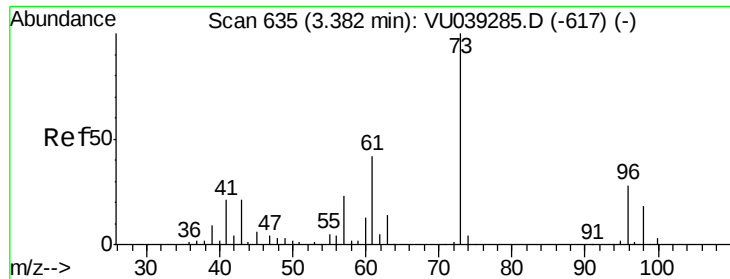
20000

10000

0

Time-->

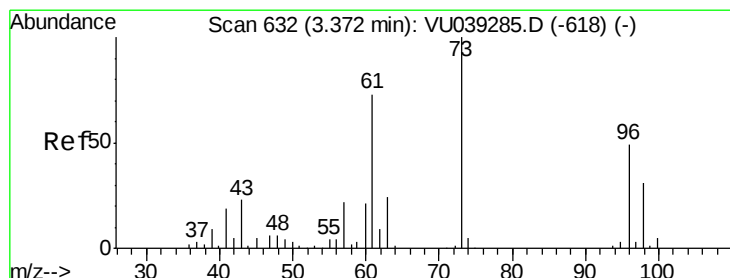
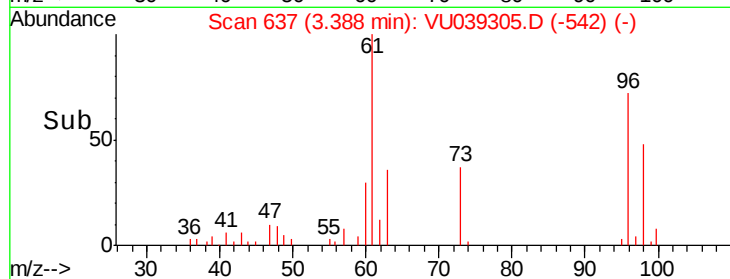
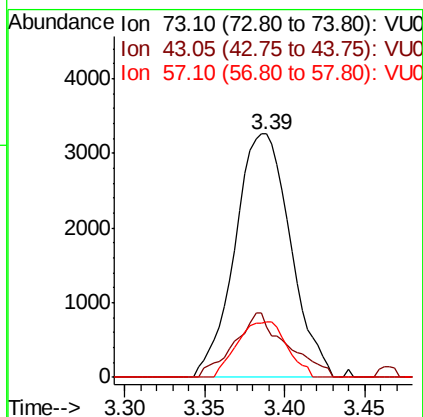
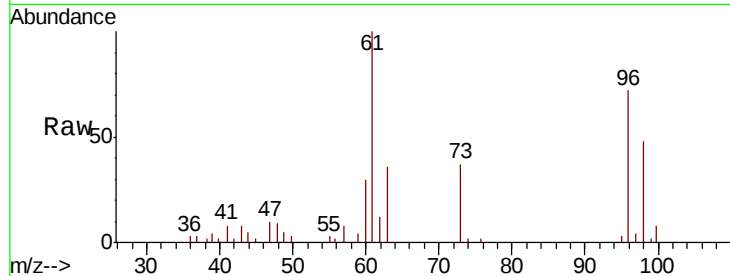




#17
Methvl tert-butvl Ether
Concen: 0.365 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU039305.D
Acq: 06 Jul 2020 20:38

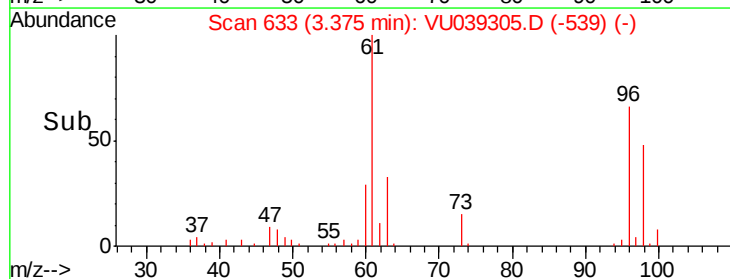
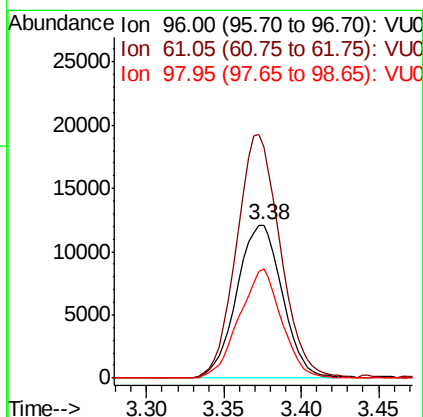
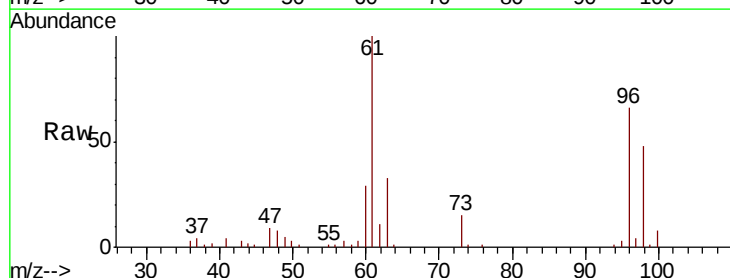
Instrument :
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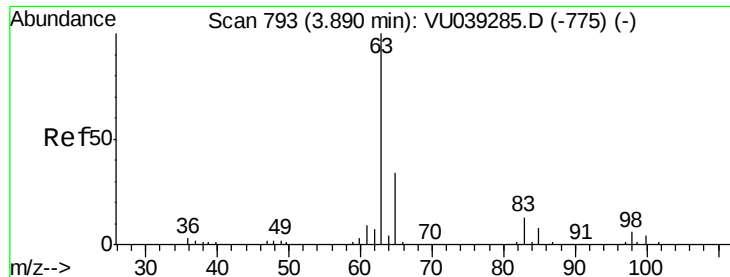
Tot Ion: 73 Resp: 7722
Ion Ratio Lower Upper
73 100
43 25.1 17.5 26.3
57 20.5 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 3.544 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU039305.D
Acq: 06 Jul 2020 20:38

Tgt Ion: 96 Resp: 24811
Ion Ratio Lower Upper
96 100
61 150.4 104.7 194.5
98 71.5 43.1 80.1





#19

1,1-Dichloroethane

Concen: 0.133 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU039305.D

Acq: 06 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

H4287

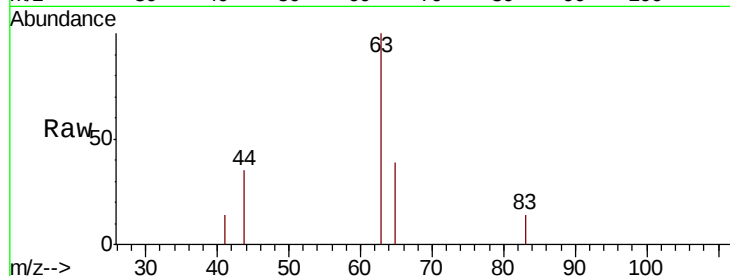
Tot Ion: 63 Resp: 1865

Ion Ratio Lower Upper

63 100

65 38.6 22.7 42.3

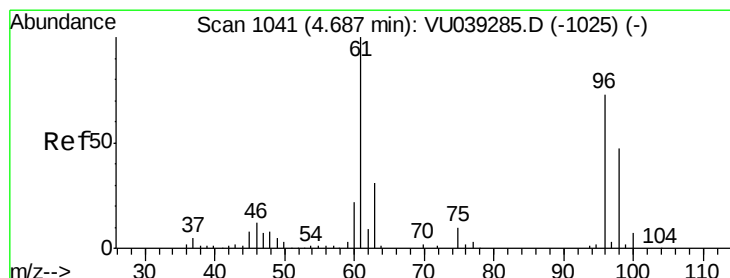
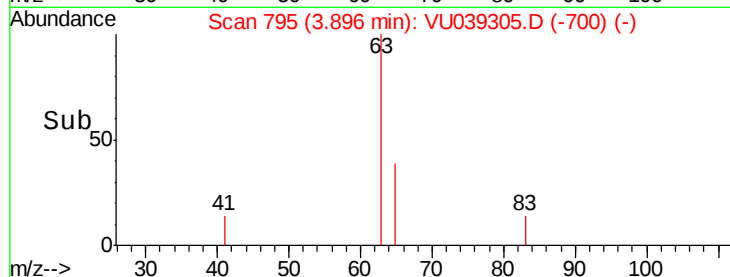
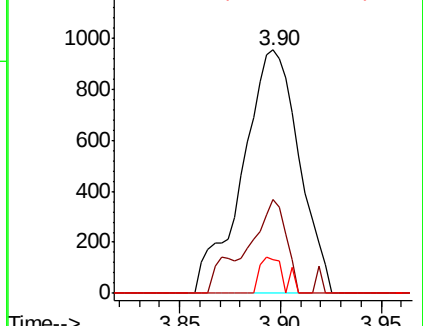
83 13.6 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU039305.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU039305.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU039305.D (-775) (-)



#22

cis-1,2-Dichloroethene

Concen: 13.220 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039305.D

Acq: 06 Jul 2020 20:38

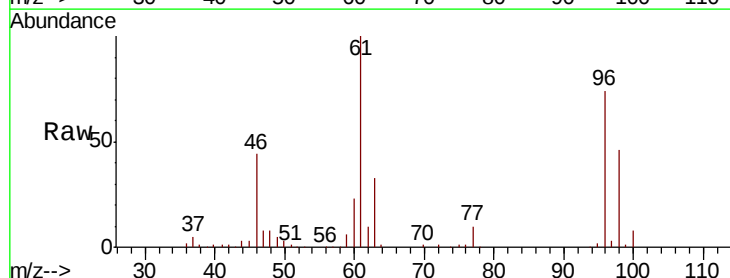
Tgt Ion: 96 Resp: 105445

Ion Ratio Lower Upper

96 100

61 134.4 93.7 173.9

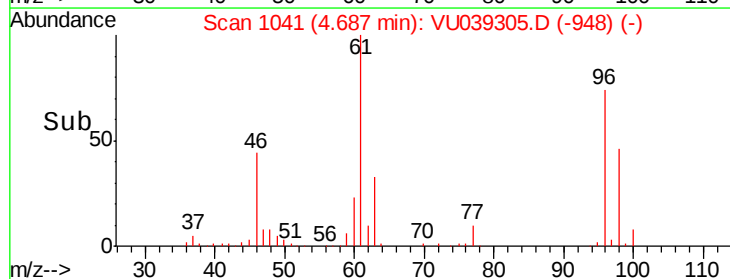
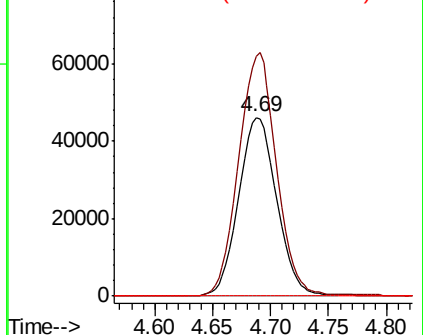
68 0.0 0.0 0.0

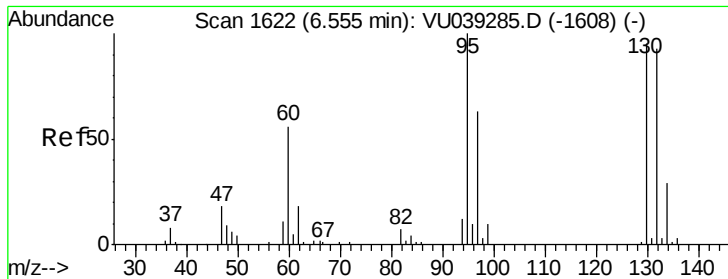


Abundance Ion 96.00 (95.70 to 96.70): VU039305.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039305.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039305.D (-948) (-)

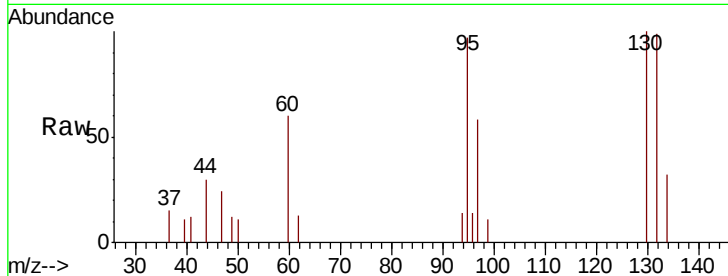




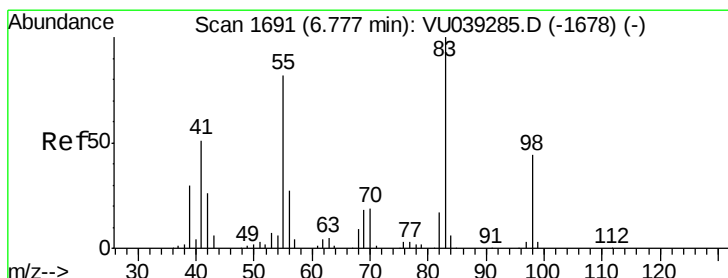
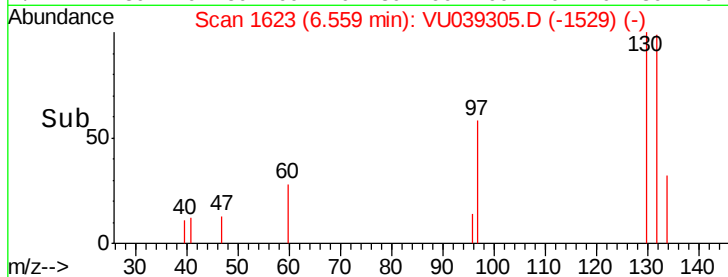
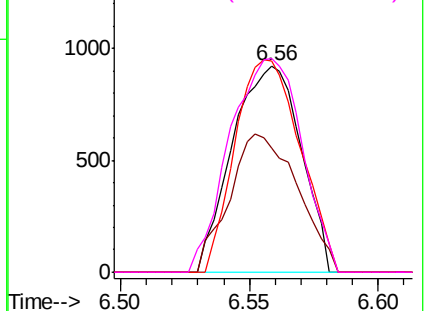
#34
 Trichloroethene
 Concen: 0.221 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039305.D
 Acq: 06 Jul 2020 20:38

Instrument :
 MSVOA_U
 ClientSampled :
 H4287

Tot Ion: 95 Resp: 1705
 Ion Ratio Lower Upper
 95 100
 97 60.4 47.0 87.2
 132 102.6 65.0 120.8
 130 103.6 69.8 129.6

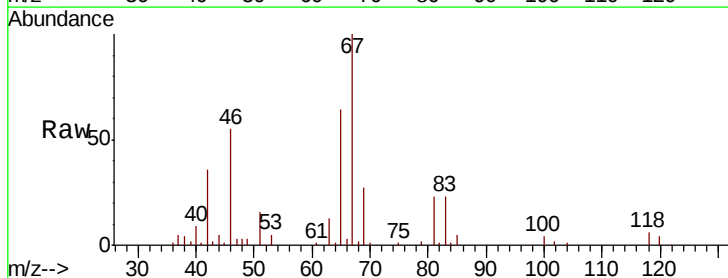


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

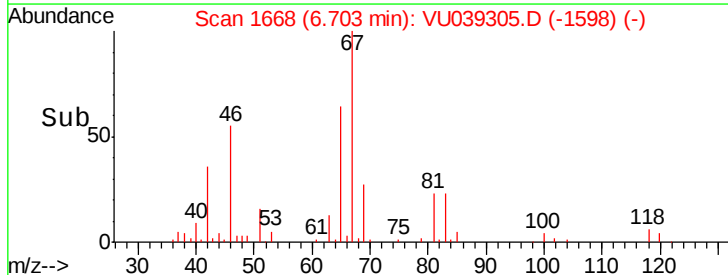
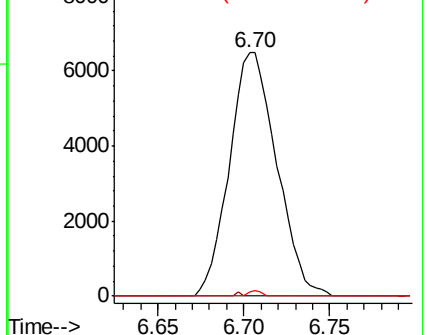


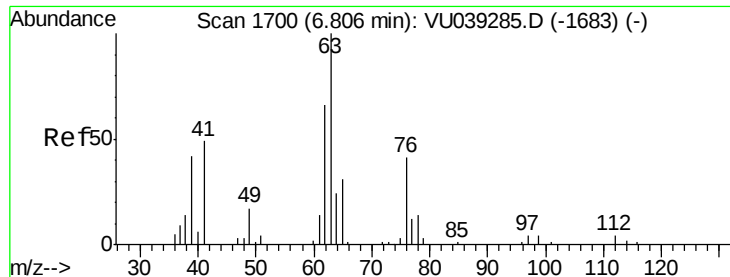
#35
 Methylcyclohexane
 Concen: 1.008 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039305.D
 Acq: 06 Jul 2020 20:38

Tgt Ion: 83 Resp: 12429
 Ion Ratio Lower Upper
 83 100
 55 0.2 63.3 94.9#
 98 0.6 37.4 56.2#



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

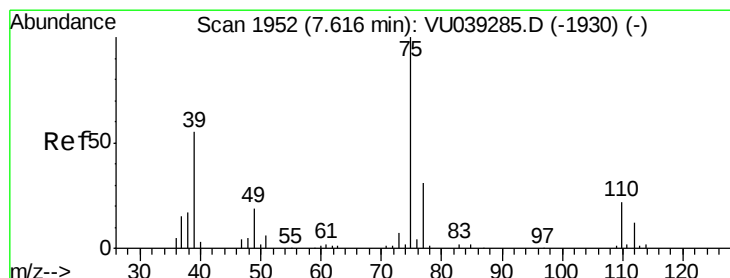
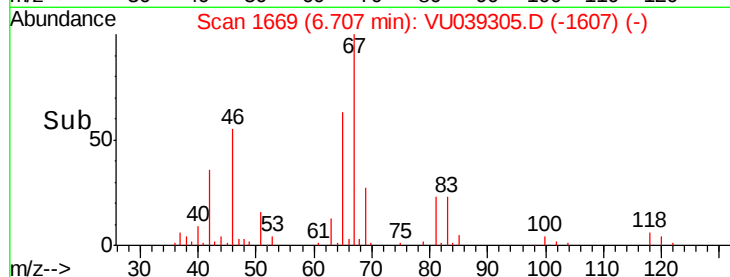
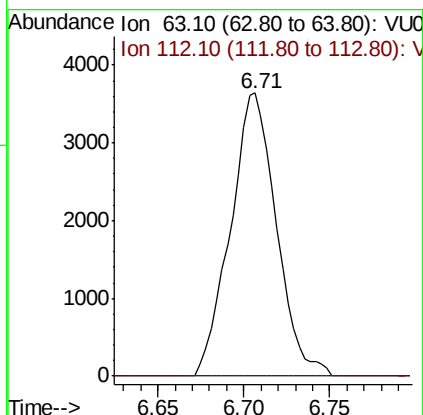
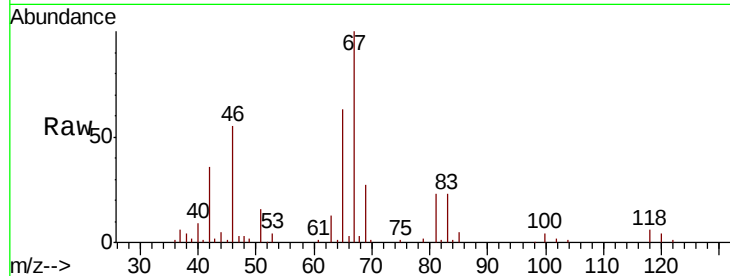




#37
 1,2-Dichloropropane
 Concen: 0.812 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039305.D
 Acq: 06 Jul 2020 20:38

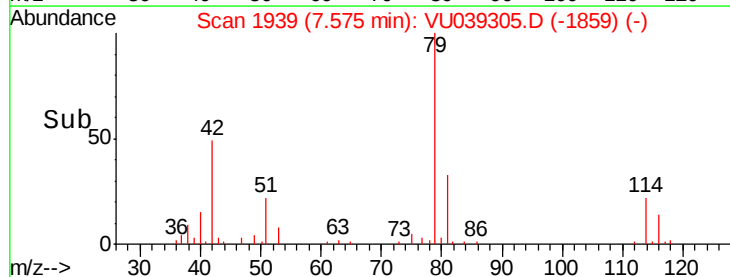
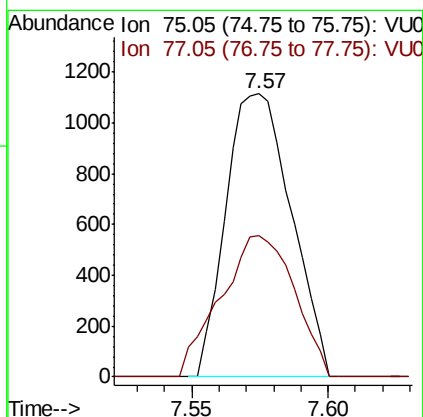
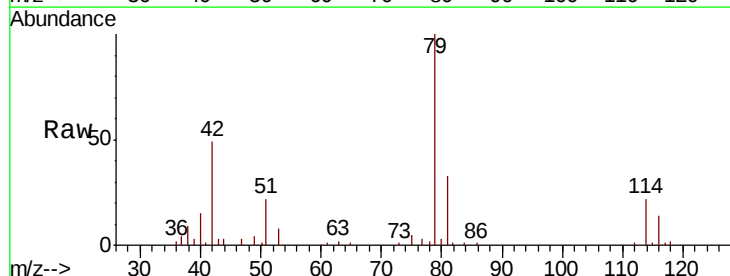
Instrument :
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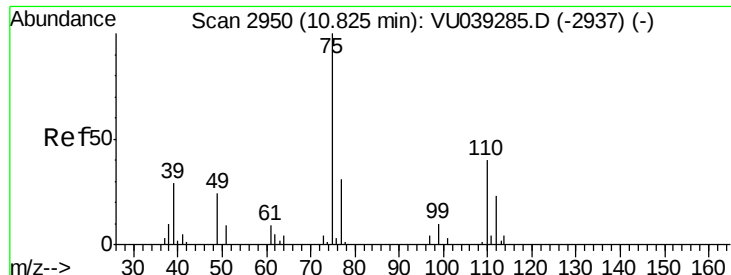
Tot Ion: 63 Resp: 6761
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.143 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039305.D
 Acq: 06 Jul 2020 20:38

Tgt Ion: 75 Resp: 1858
 Ion Ratio Lower Upper
 75 100
 77 50.1 23.3 43.3#





#59

1,2,3-Trichloropropane

Concen: 1.160 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039305.D

Acq: 06 Jul 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

H4287

Tot Ion: 75 Resp: 7265

Ion Ratio Lower Upper

75 100

77 39.0 27.7 41.5

