

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080720\
 Data File : VU039779.D
 Acq On : 07 Aug 2020 12:04
 Operator : SY/MD
 Sample : L3572-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 03:32:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	76648	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	73157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33257	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21326	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.92	69	22974	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.58	63	31426	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.65	46	102336	56.22	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	5.09	84	54759	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.72	65	33189	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	95641	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	6.70	67	33060	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.91	98	75153	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.19	79	9976	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.64	63	71966	58.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30702	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	34192	6.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.20%#

Target Compounds

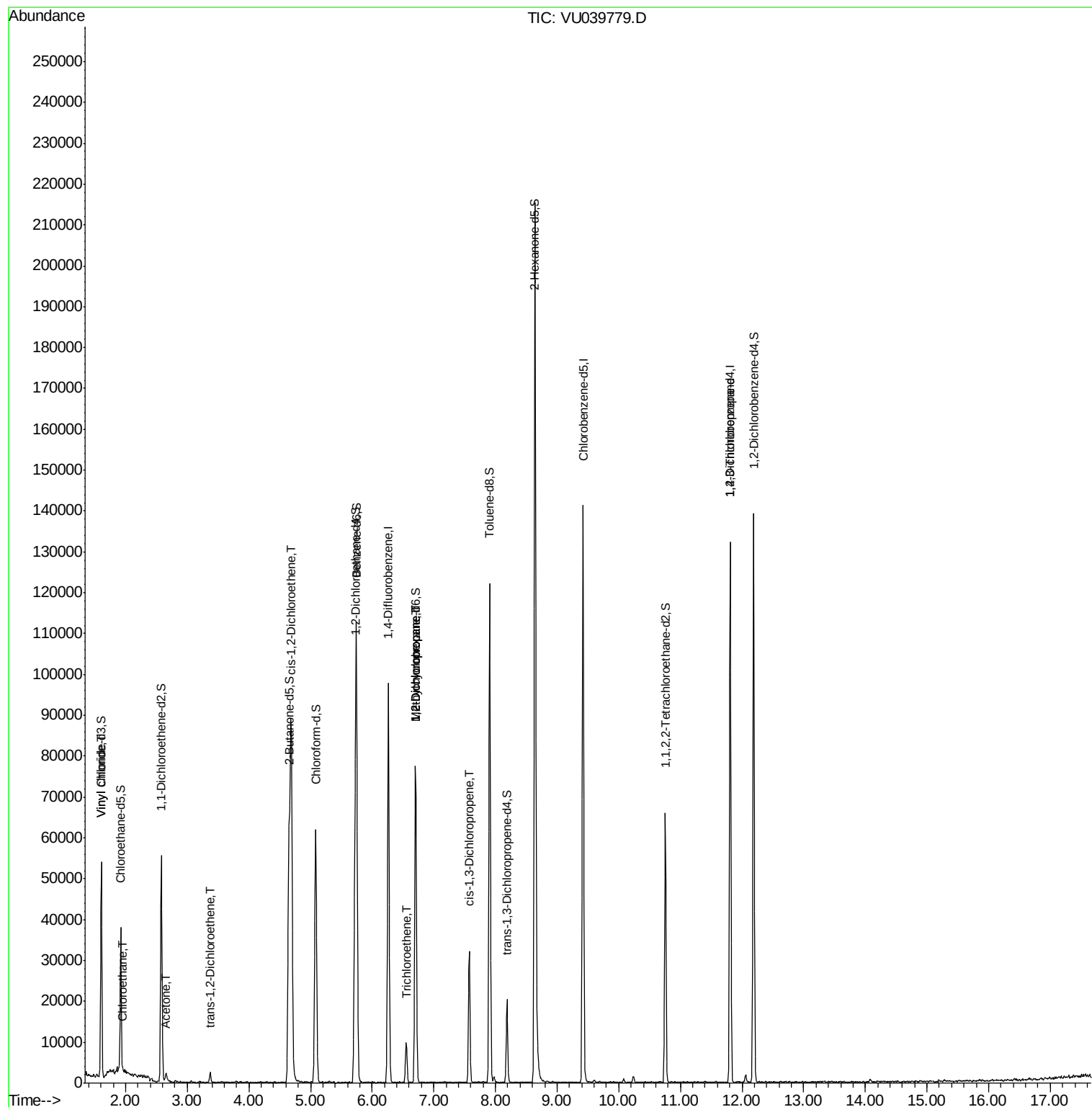
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	14612	2.345	ug/L	96
8) Chloroethane	1.96	64	459	0.100	ug/L #	43
13) Acetone	2.65	43	2645	2.465	ug/L	88
18) trans-1,2-Dichloroethene	3.37	96	1044	0.205	ug/L	79
22) cis-1,2-Dichloroethene	4.69	96	37453	6.765	ug/L	94
34) Trichloroethene	6.55	95	3127	0.604	ug/L	91
35) Methylcyclohexane	6.70	83	7850	0.950	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4103	0.775	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	774	0.107	ug/L #	26
59) 1,2,3-Trichloropropane	11.81	75	4481	1.173	ug/L #	79

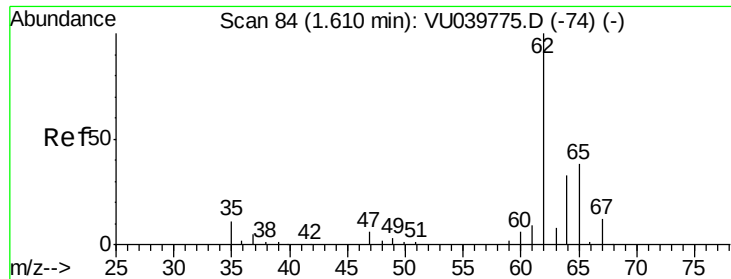
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.345 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039779.D

Acq: 07 Aug 2020 12:04

Instrument :

MSVOA_U

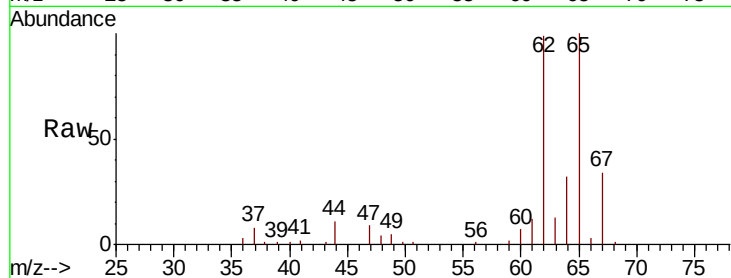
ClientSampled :

Tot Ion: 62 Resp: 14612

Ion Ratio Lower Upper

62 100

64 32.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039775.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU039779.D (-94) (-)

1.61

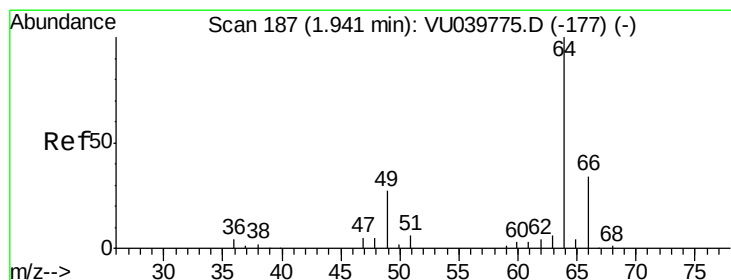
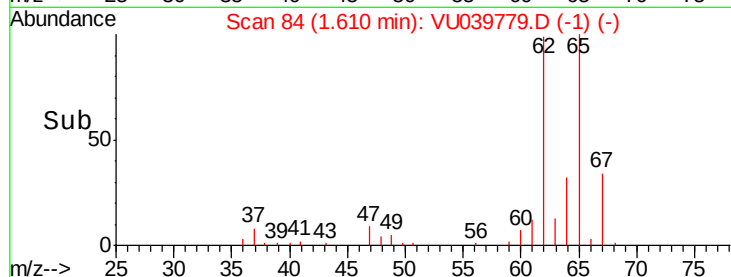
10000

5000

0

1.60 1.65

Time-->



#8

Chloroethane

Concen: 0.100 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.02 min

Lab File: VU039779.D

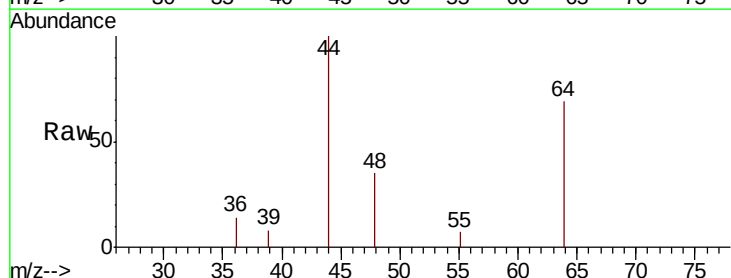
Acq: 07 Aug 2020 12:04

Tgt Ion: 64 Resp: 459

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.3#



Abundance Ion 64.10 (63.80 to 64.80): VU039775.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039779.D (-94) (-)

1.96

1000

800

600

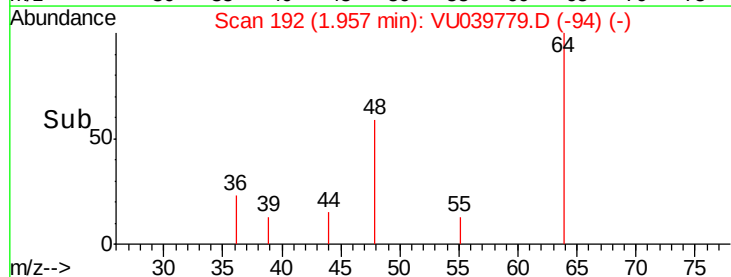
400

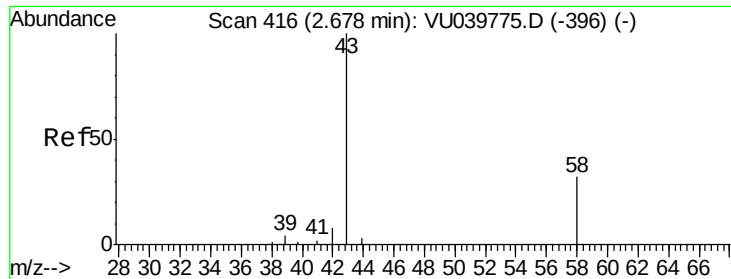
200

0

1.94 1.96 1.98

Time-->





#13

Acetone

Concen: 2.465 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.03 min

Lab File: VU039779.D

Acq: 07 Aug 2020 12:04

Instrument :

MSVOA_U

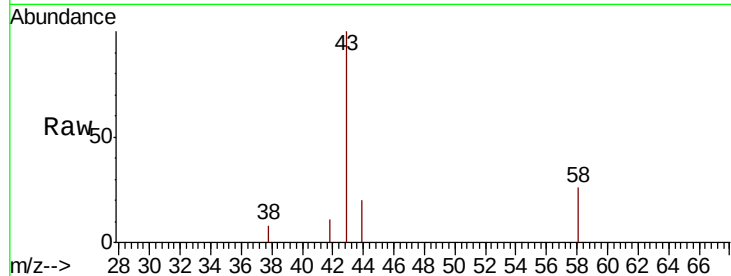
ClientSampleId :

Tot Ion: 43 Resp: 2645

Ion Ratio Lower Upper

43 100

58 37.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039779.D (-408) (-)

Ion 58.05 (57.75 to 58.75): VU039779.D (-408) (-)

2.65

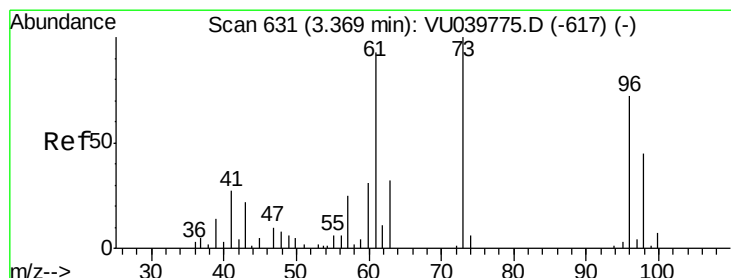
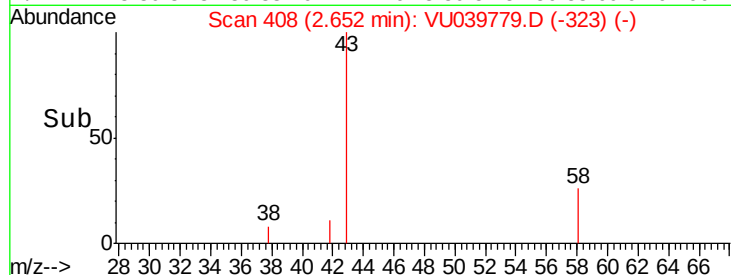
1500

1000

500

0

Time--> 2.60 2.65



#18

trans-1,2-Dichloroethene

Concen: 0.205 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039779.D

Acq: 07 Aug 2020 12:04

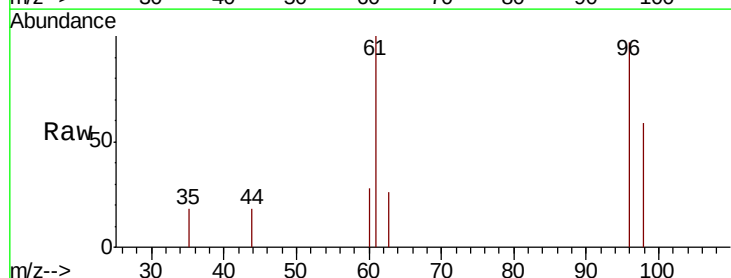
Tgt Ion: 96 Resp: 1044

Ion Ratio Lower Upper

96 100

61 102.9 96.5 179.1

98 60.9 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039779.D (-632) (-)

Ion 61.05 (60.75 to 61.75): VU039779.D (-632) (-)

Ion 97.95 (97.65 to 98.65): VU039779.D (-632) (-)

3.37

1000

800

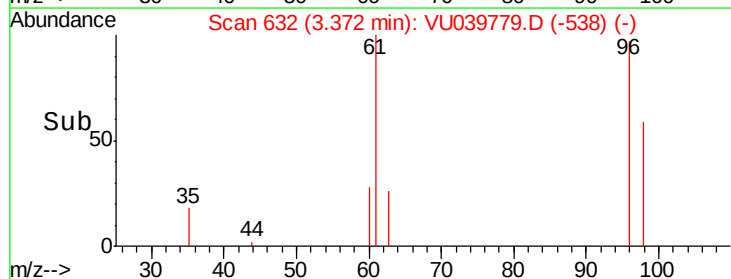
600

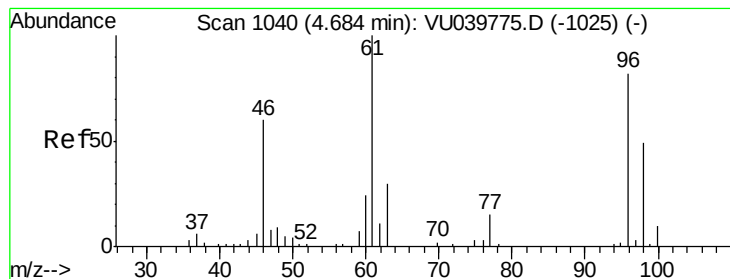
400

200

0

Time--> 3.35 3.40





#22

cis-1,2-Dichloroethene

Concen: 6.765 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039779.D

Acq: 07 Aug 2020 12:04

Instrument :
MSVOA_U
ClientSampled :

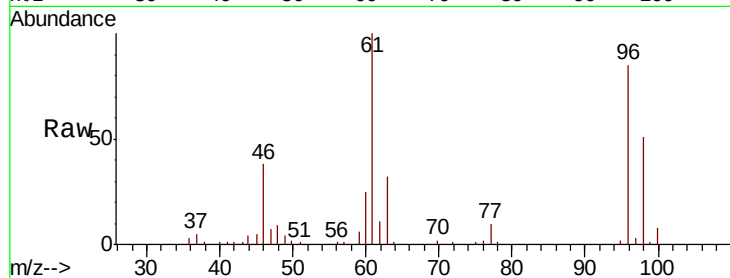
Tot Ion: 96 Resp: 37453

Ion Ratio Lower Upper

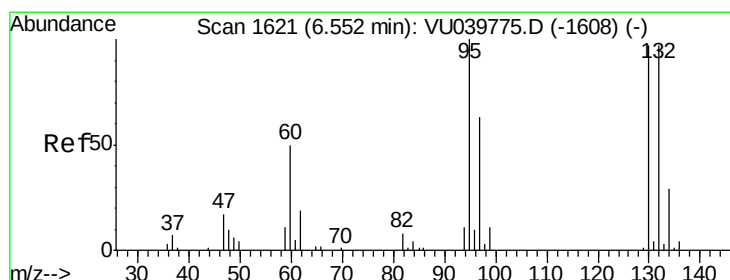
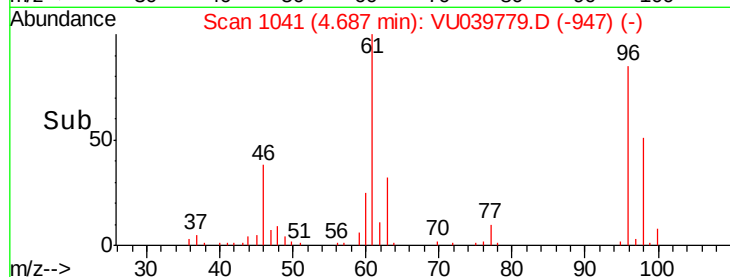
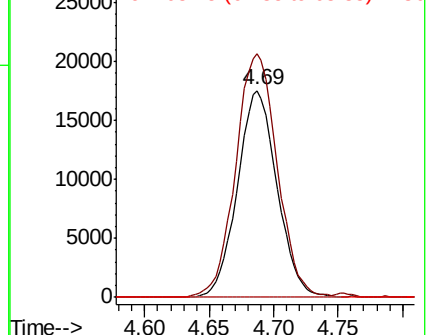
96 100

61 117.8 87.4 162.2

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



#34

Trichloroethene

Concen: 0.604 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039779.D

Acq: 07 Aug 2020 12:04

Tgt Ion: 95 Resp: 3127

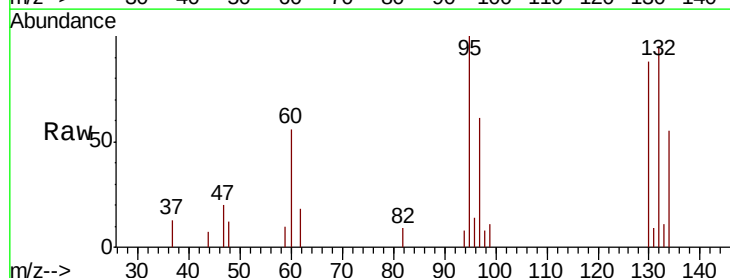
Ion Ratio Lower Upper

95 100

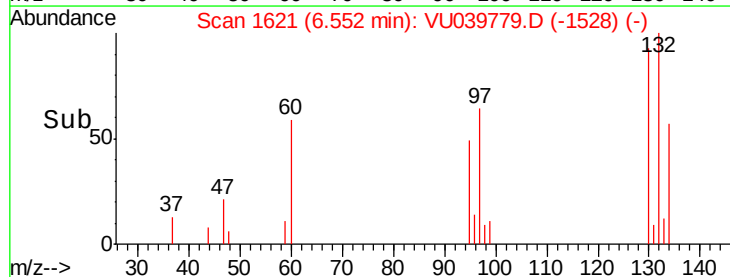
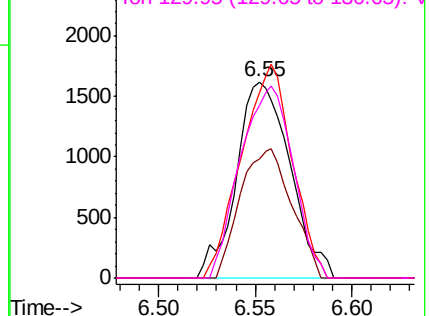
97 60.6 44.0 81.8

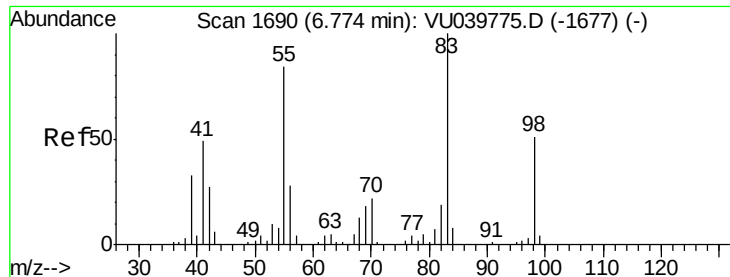
132 94.9 71.7 133.3

130 88.4 71.1 132.1



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

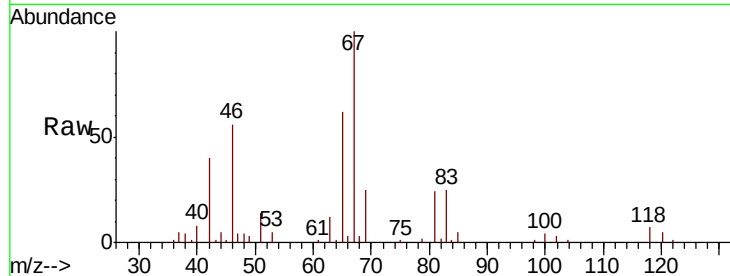




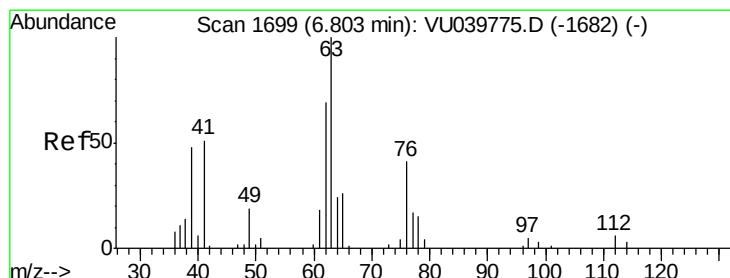
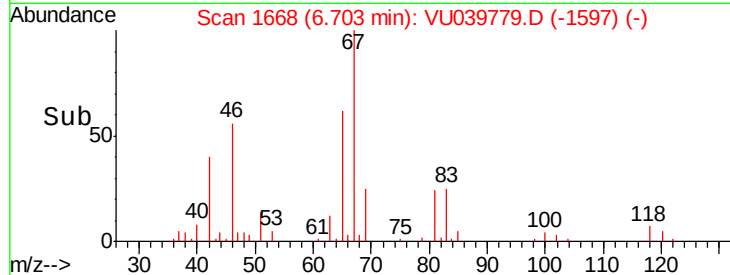
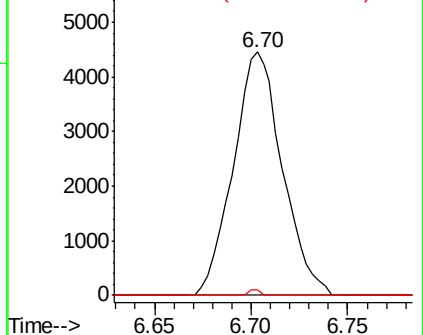
#35
Methylvlcyclohexane
Concen: 0.950 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039779.D
Acq: 07 Aug 2020 12:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 7850
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.5 39.0 58.4#

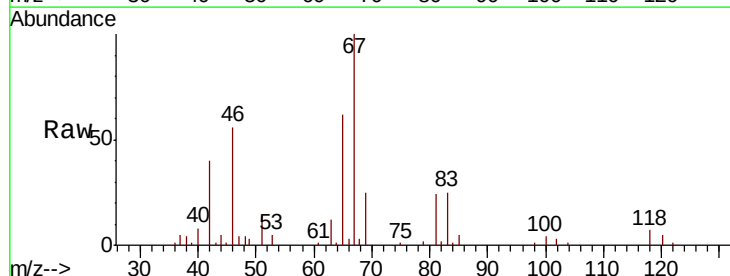


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

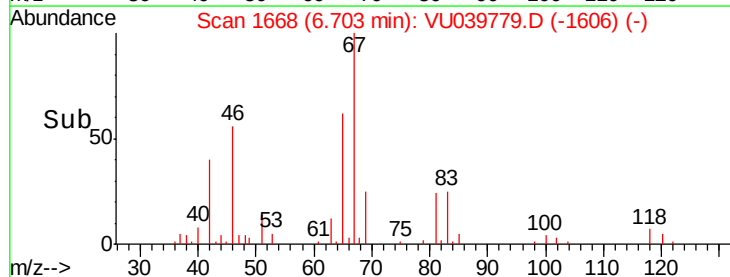
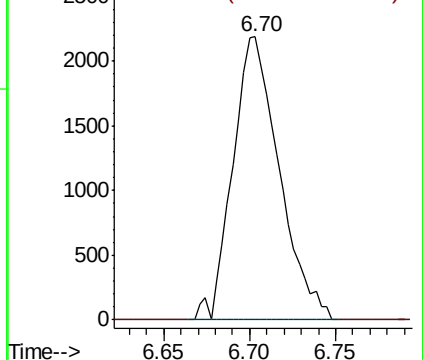


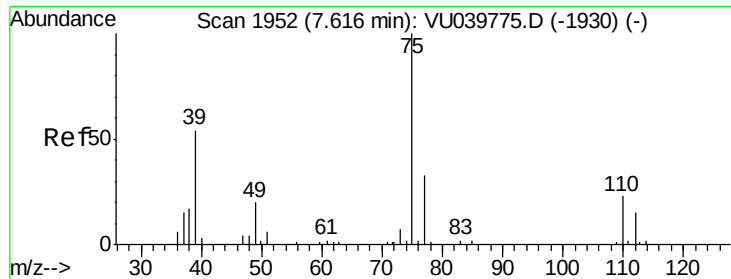
#37
1,2-Dichloropropane
Concen: 0.775 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039779.D
Acq: 07 Aug 2020 12:04

Tgt Ion: 63 Resp: 4103
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

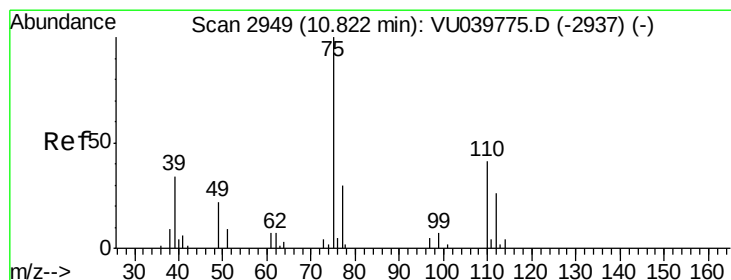
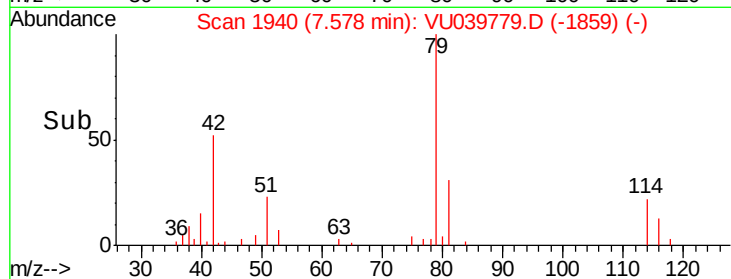
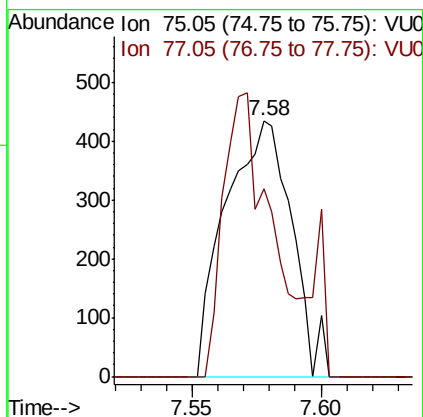
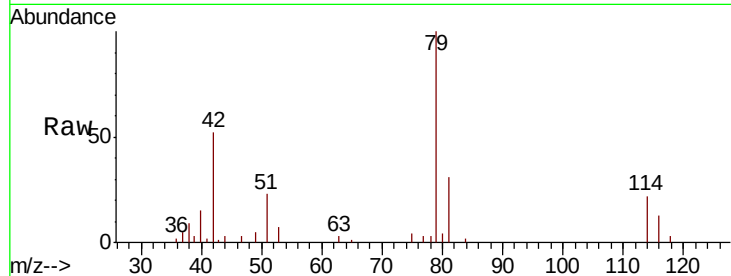




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039779.D
 Acq: 07 Aug 2020 12:04

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 774
 Ion Ratio Lower Upper
 75 100
 77 73.3 22.4 41.6#



#59
 1,2,3-Trichloropropane
 Concen: 1.173 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039779.D
 Acq: 07 Aug 2020 12:04

Tgt Ion: 75 Resp: 4481
 Ion Ratio Lower Upper
 75 100
 77 42.3 24.6 37.0#

