

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039889.D
 Acq On : 17 Aug 2020 15:51
 Operator : SY/MD
 Sample : L3517-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M05

Quant Time: Aug 18 04:27:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 04:18:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	83123	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	83708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39206	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18336	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.92	69	20172	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.58	63	25475	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.65	46	93802	47.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.02%
24) Chloroform-d	5.08	84	45509	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
26) 1,2-Dichloroethane-d4	5.72	65	28038	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	5.75	84	82624	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.70	67	30034	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.91	98	63951	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	8.19	79	11132	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	69170	48.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27760	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	29953	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

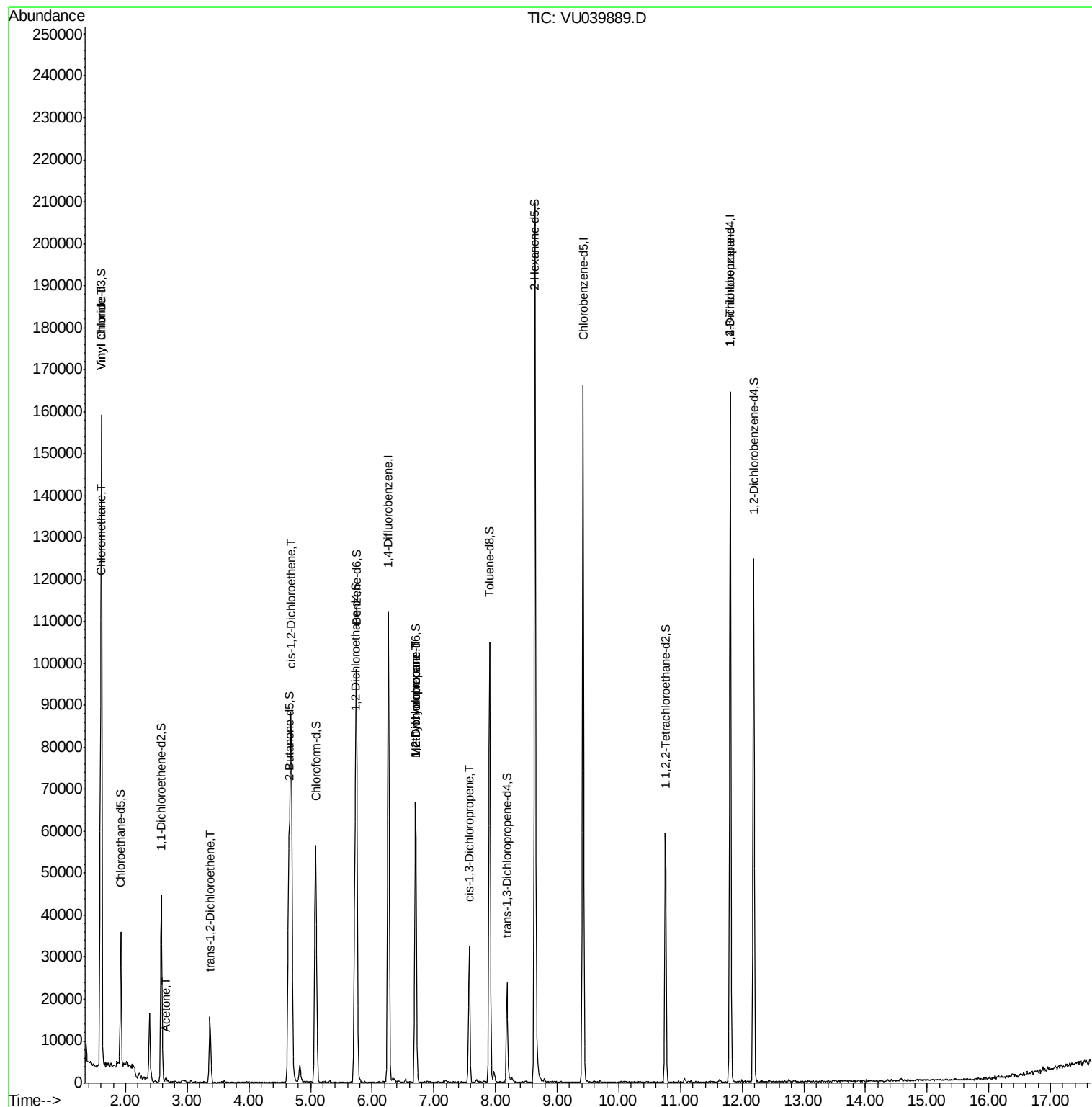
					Ovalue
3) Chloromethane	1.59	50	2761	0.392	ug/L 97
5) Vinyl chloride	1.61	62	81823	12.107	ug/L 94
13) Acetone	2.66	43	1188	1.021	ug/L 91
18) trans-1,2-Dichloroethene	3.37	96	6266	1.135	ug/L 92
22) cis-1,2-Dichloroethene	4.69	96	36287	6.044	ug/L 99
35) Methylcyclohexane	6.70	83	7333	0.776	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	3526	0.582	ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	773	0.094	ug/L # 4
59) 1,2,3-Trichloropropane	11.81	75	5990	1.371	ug/L # 85

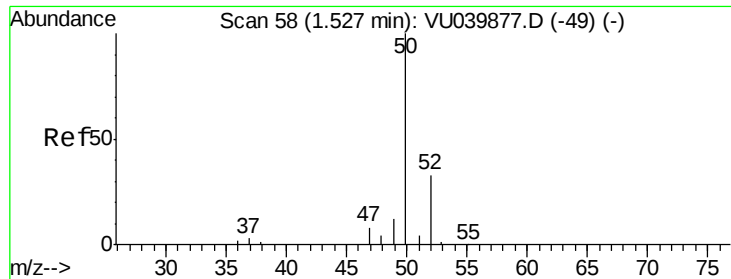
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.392 ug/L

RT: 1.59 min Scan# 78

Delta R.T. 0.06 min

Lab File: VU039889.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_U

ClientSampleId :

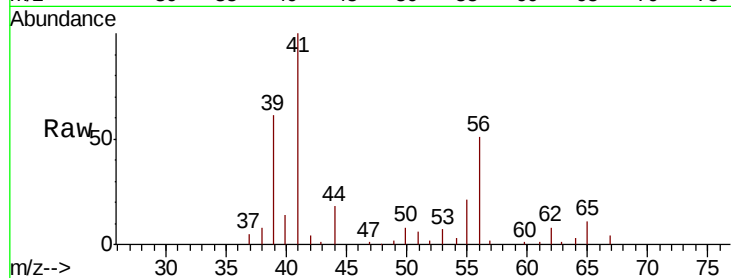
F4M05

Tot Ion: 50 Resp: 2761

Ion Ratio Lower Upper

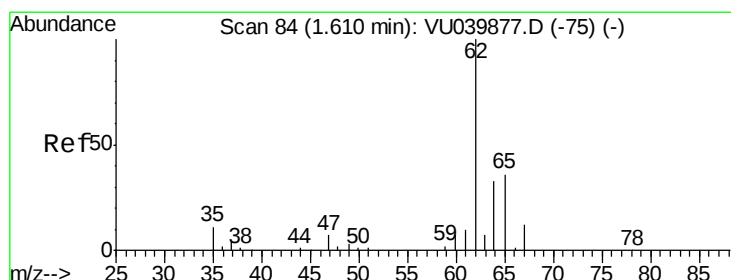
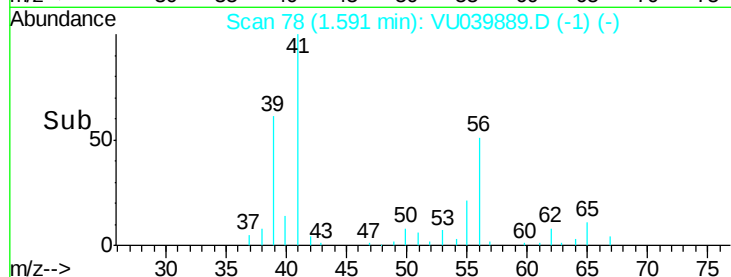
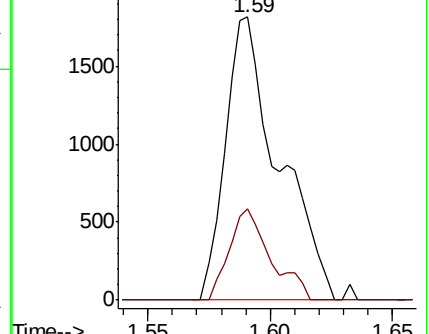
50 100

52 32.2 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 12.107 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039889.D

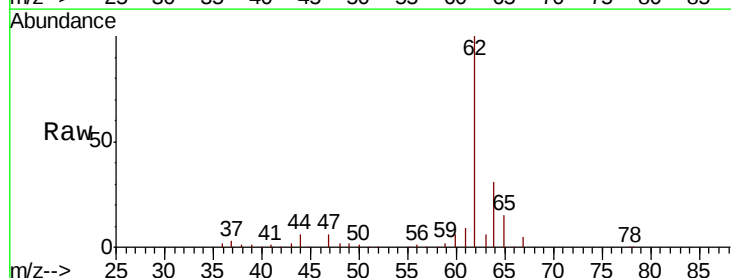
Acq: 17 Aug 2020 15:51

Tgt Ion: 62 Resp: 81823

Ion Ratio Lower Upper

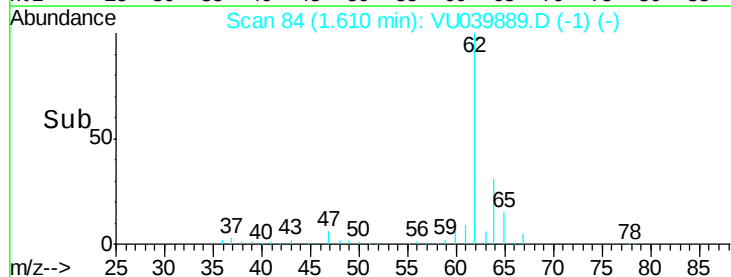
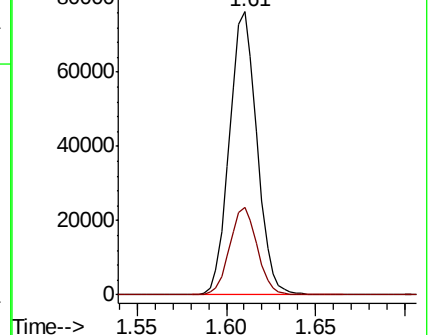
62 100

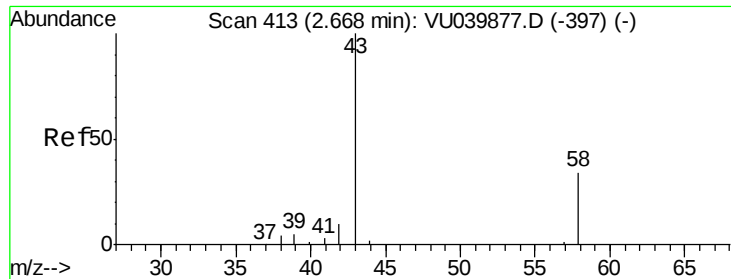
64 30.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 1.021 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039889.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_U

ClientSampled :

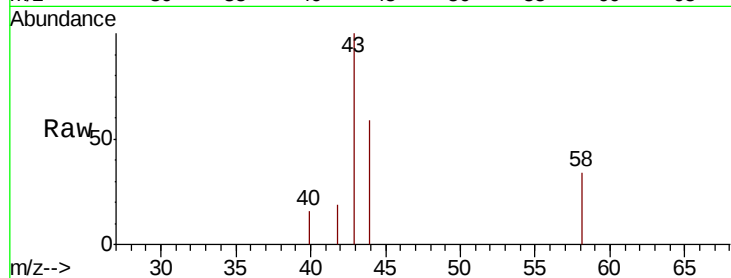
F4M05

Tot Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

58 36.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

800

600

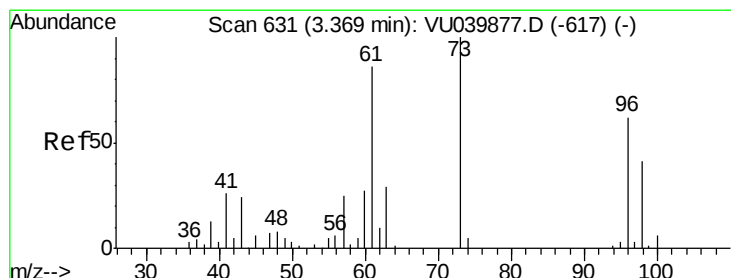
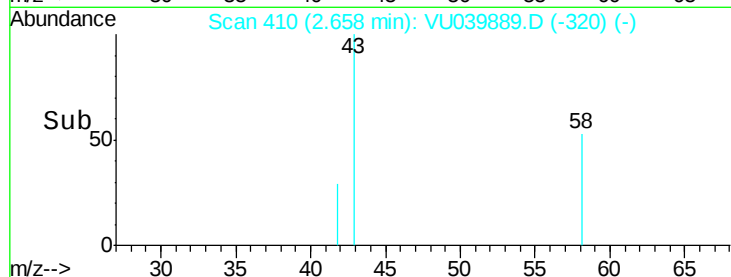
400

200

0

2.62 2.64 2.66 2.68

Time-->



#18

trans-1,2-Dichloroethene

Concen: 1.135 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039889.D

Acq: 17 Aug 2020 15:51

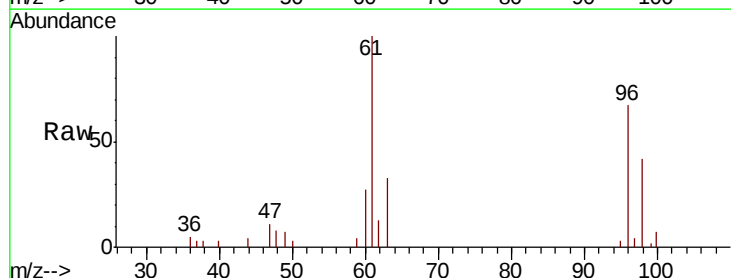
Tgt Ion: 96 Resp: 6266

Ion Ratio Lower Upper

96 100

61 148.2 96.5 179.1

98 62.9 40.9 76.0



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

6000

5000

4000

3000

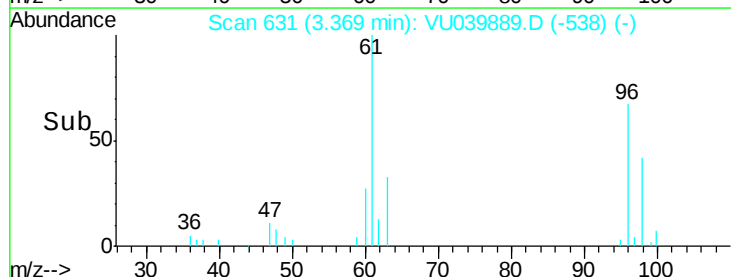
2000

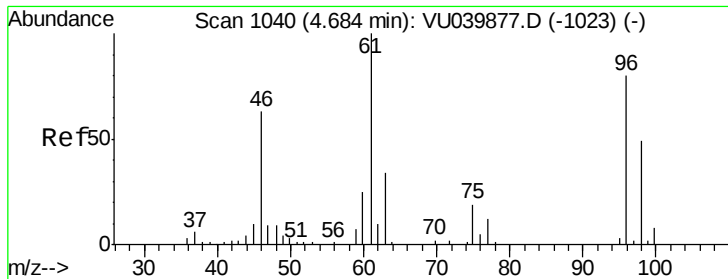
1000

0

3.30 3.35 3.40

Time-->





#22

cis-1,2-Dichloroethene

Concen: 6.044 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039889.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_U

ClientSampleId :

F4M05

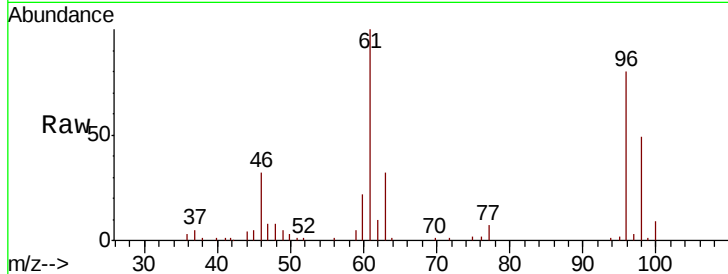
Tot Ion: 96 Resp: 36287

Ion Ratio Lower Upper

96 100

61 125.4 87.4 162.2

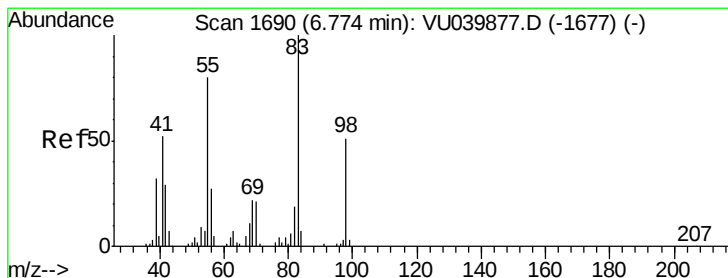
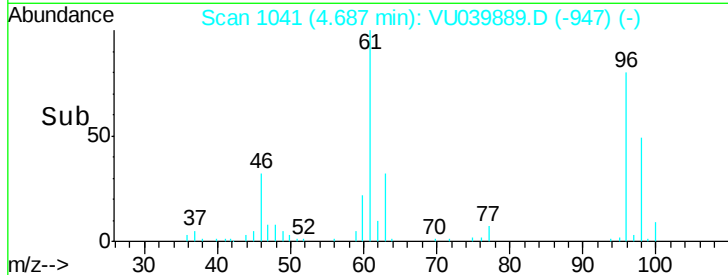
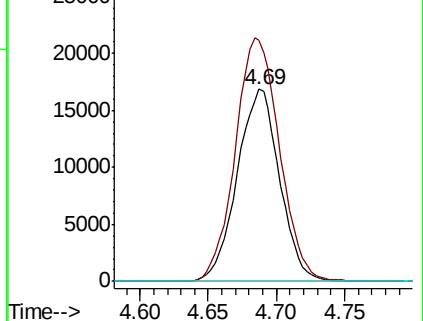
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039889.D (-1597) (-)

Ion 61.05 (60.75 to 61.75): VU039889.D (-1597) (-)

Ion 68.15 (67.85 to 68.85): VU039889.D (-1597) (-)



#35

Methylcyclohexane

Concen: 0.776 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU039889.D

Acq: 17 Aug 2020 15:51

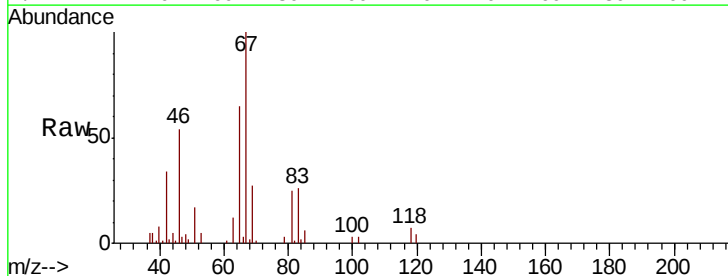
Tgt Ion: 83 Resp: 7333

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

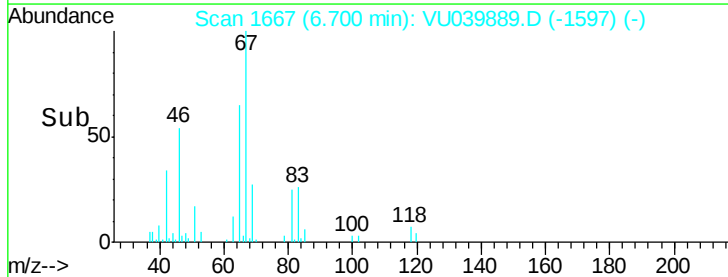
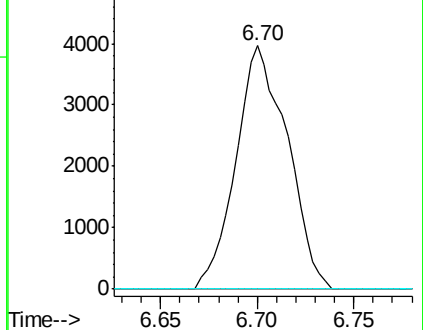
98 0.6 39.0 58.4#

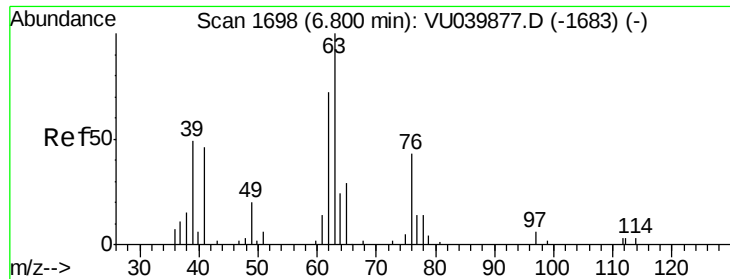


Abundance Ion 83.15 (82.85 to 83.85): VU039889.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039889.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039889.D (-1597) (-)

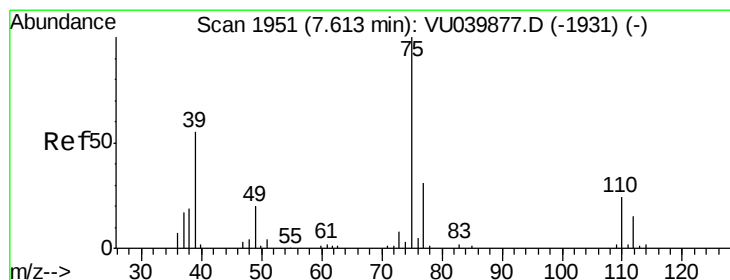
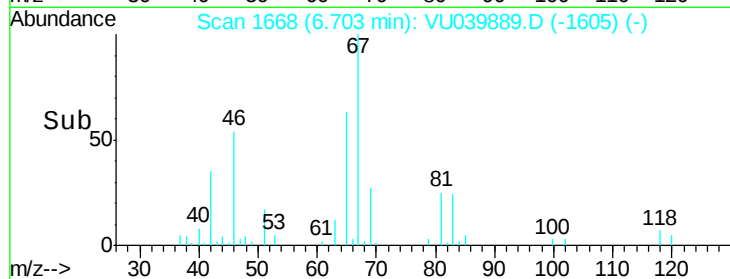
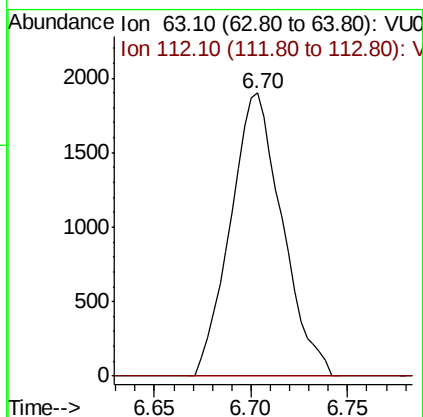
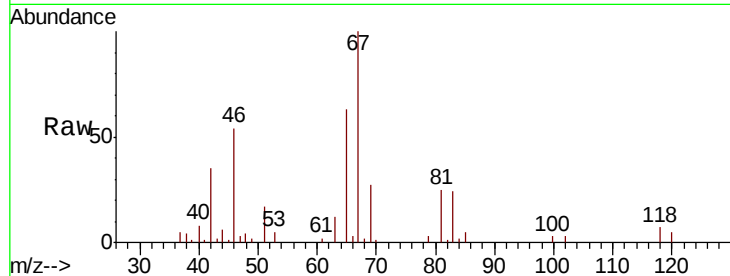




#37
 1,2-Dichloropropane
 Concen: 0.582 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039889.D
 Acq: 17 Aug 2020 15:51

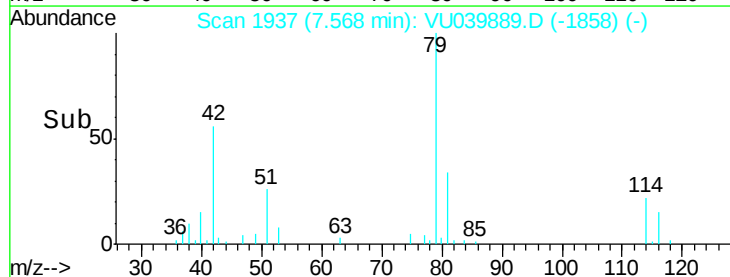
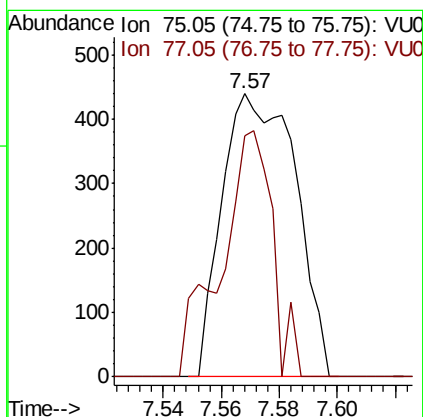
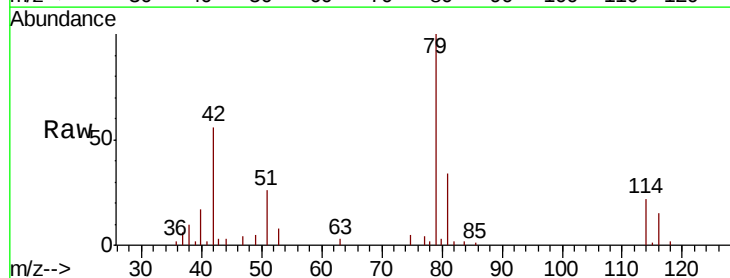
Instrument :
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 ClientSampleId :
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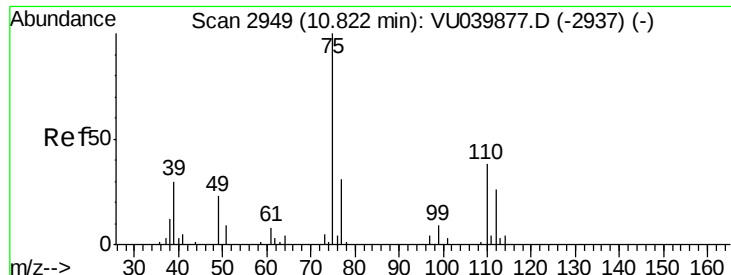
Tot Ion: 63 Resp: 3526
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039889.D
 Acq: 17 Aug 2020 15:51

Tgt Ion: 75 Resp: 773
 Ion Ratio Lower Upper
 75 100
 77 85.4 22.4 41.6#





#59

1,2,3-Trichloropropane

Concen: 1.371 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039889.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_U

ClientSampleId :

F4M05

Tot Ion: 75 Resp: 5990

Ion Ratio Lower Upper

75 100

77 38.9 24.6 37.0#

