

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080720\
 Data File : VU039777.D
 Acq On : 07 Aug 2020 11:16
 Operator : SY/MD
 Sample : L3572-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2L48

Quant Time: Aug 08 03:49:10 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	76721	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71715	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21104	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.92	69	22904	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	63	31017	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.66	46	87606	48.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.16%
24) Chloroform-d	5.08	84	54413	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	32105	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.75	84	97790	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
36) 1,2-Dichloropropane-d6	6.70	67	32874	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.60%
41) Toluene-d8	7.91	98	74364	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	8.19	79	10262	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	68863	56.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29649	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	34174	6.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.20%#

Target Compounds

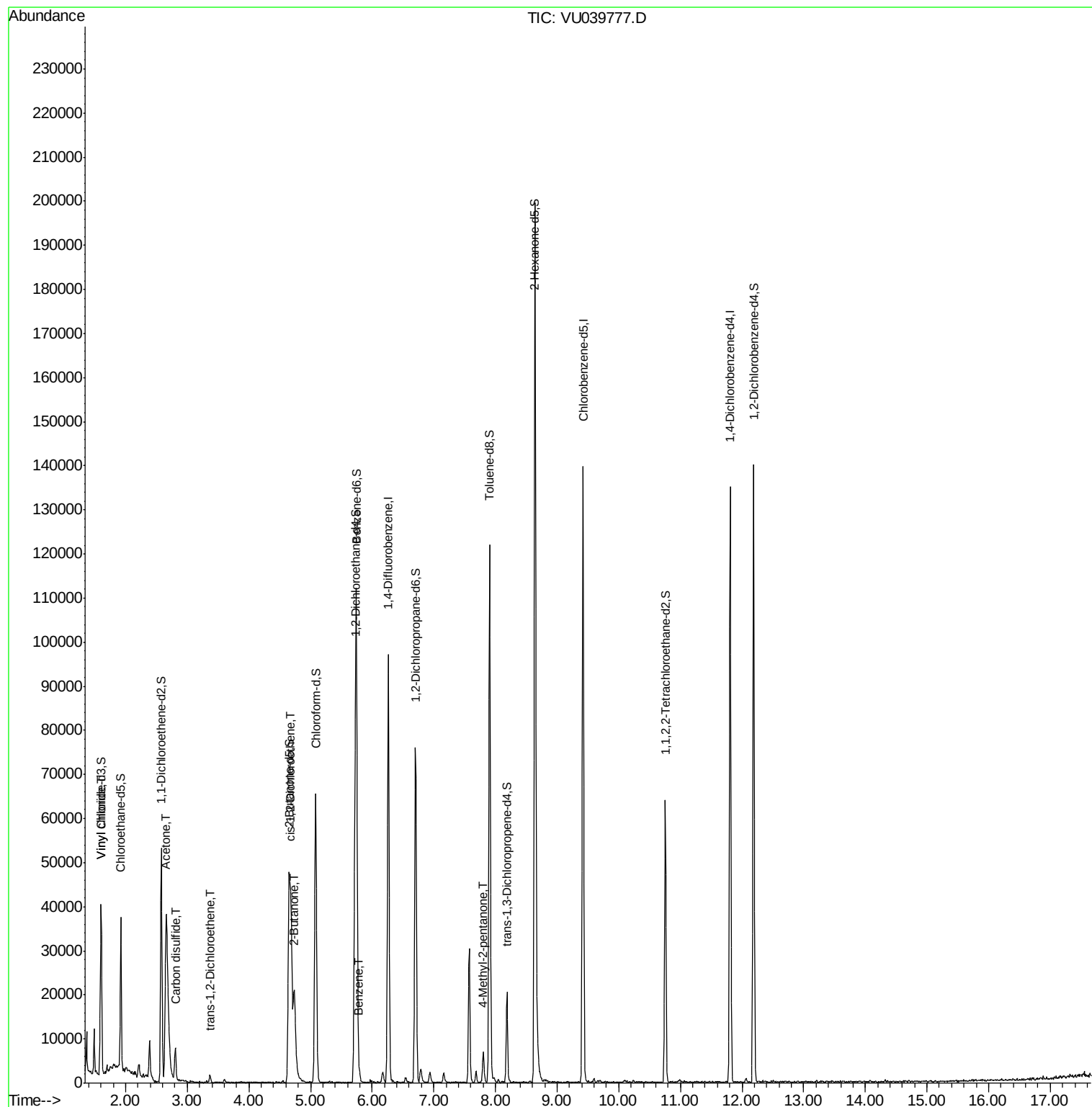
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2287	0.367	ug/L #	78
13) Acetone	2.66	43	79882	74.364	ug/L	98
14) Carbon disulfide	2.81	76	9005	0.629	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	672	0.132	ug/L	100
21) 2-Butanone	4.74	43	34261	20.239	ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	9709	1.752	ug/L	90
33) Benzene	5.79	78	2620	0.134	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	5235	1.350	ug/L #	86

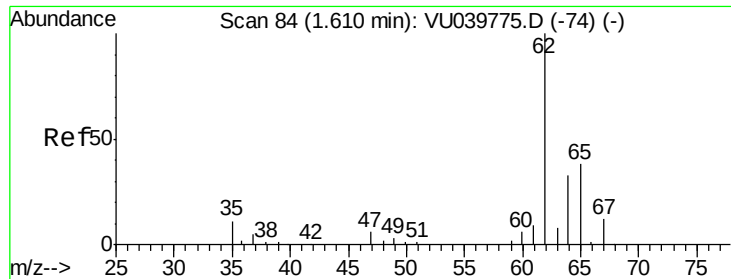
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.367 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

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Acq: 07 Aug 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

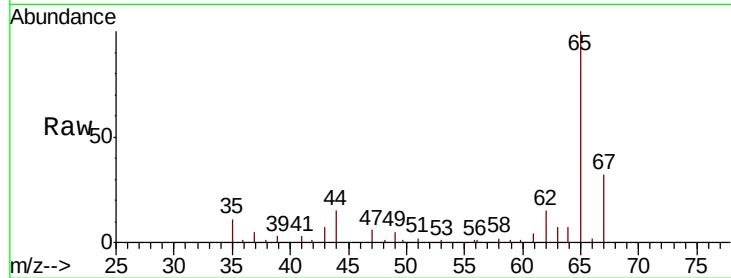
F2L48

Tot Ion: 62 Resp: 2287

Ion Ratio Lower Upper

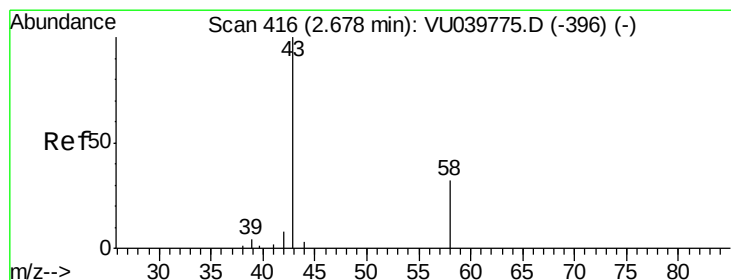
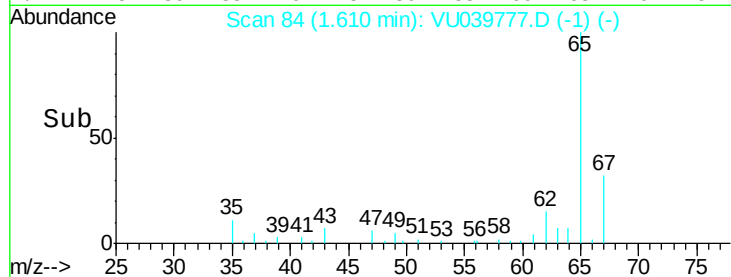
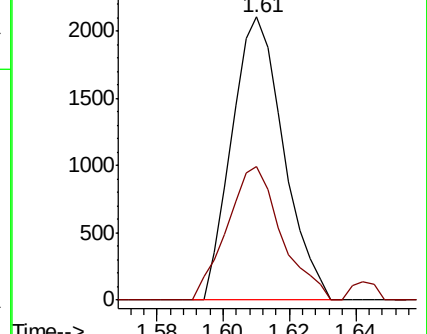
62 100

64 47.3 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: 74.364 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU039777.D

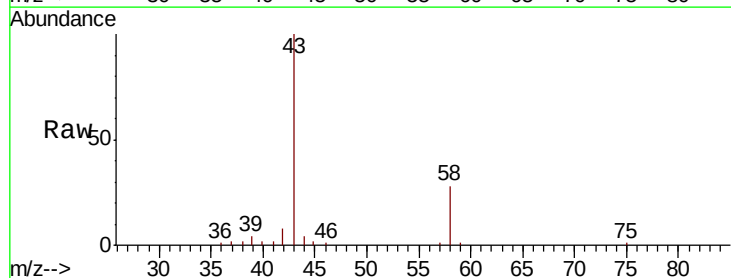
Acq: 07 Aug 2020 11:16

Tgt Ion: 43 Resp: 79882

Ion Ratio Lower Upper

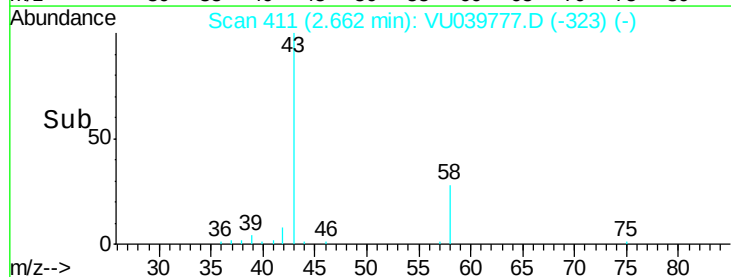
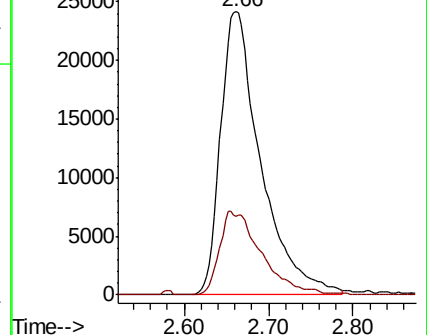
43 100

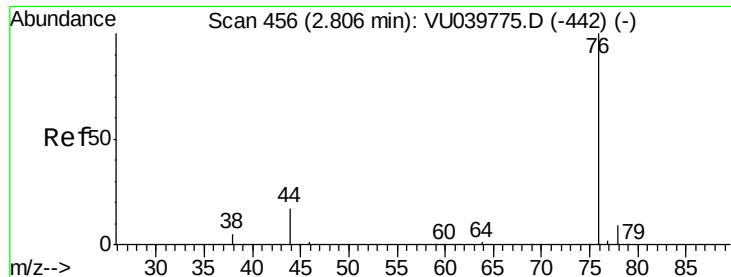
58 30.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.629 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039777.D

Acq: 07 Aug 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

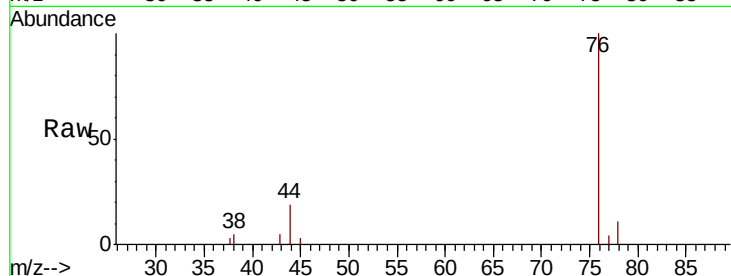
F2L48

Tot Ion: 76 Resp: 9005

Ion Ratio Lower Upper

76 100

78 10.6 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039777.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039777.D (-363) (-)

2.81

6000

5000

4000

3000

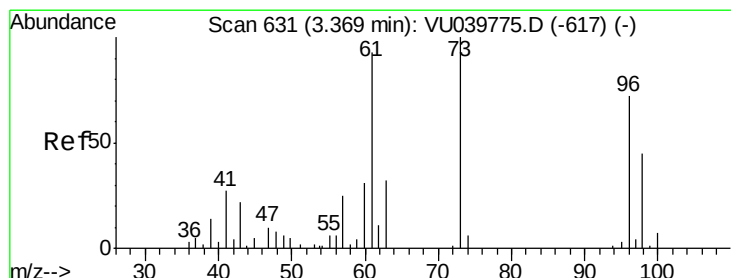
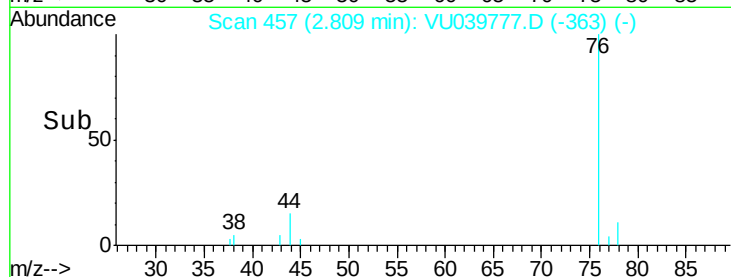
2000

1000

0

Time-->

2.75 2.80 2.85



#18

trans-1,2-Dichloroethene

Concen: 0.132 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU039777.D

Acq: 07 Aug 2020 11:16

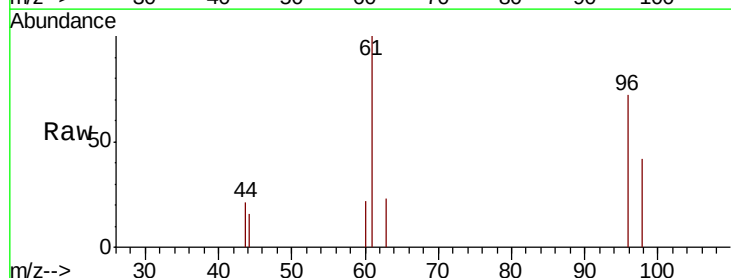
Tgt Ion: 96 Resp: 672

Ion Ratio Lower Upper

96 100

61 138.1 96.5 179.1

98 58.7 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039777.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039777.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039777.D (-538) (-)

800

600

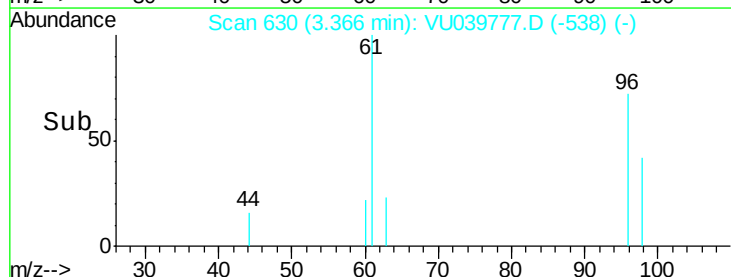
400

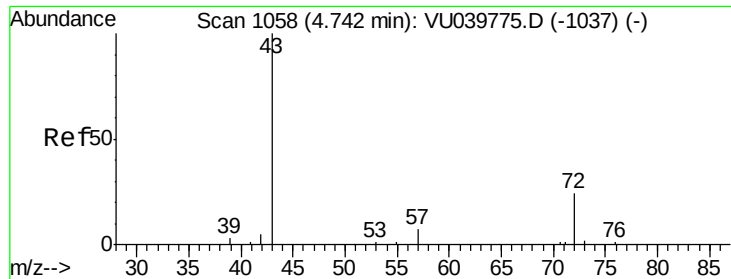
200

0

Time-->

3.34 3.36 3.38 3.40





#21

2-Butanone

Concen: 20.239 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VU039777.D

Acq: 07 Aug 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

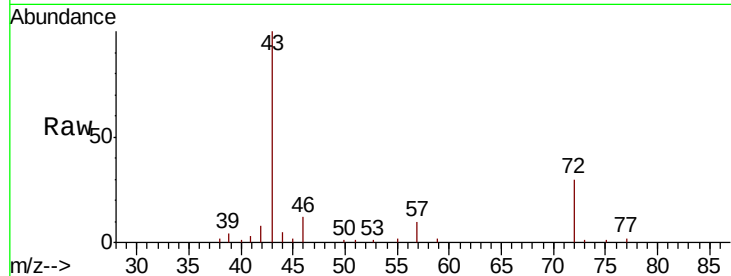
F2L48

Tot Ion: 43 Resp: 34261

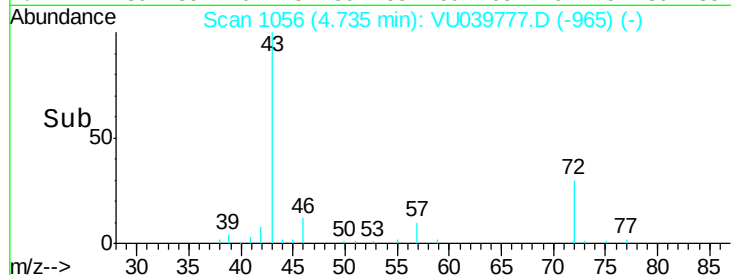
Ion Ratio Lower Upper

43 100

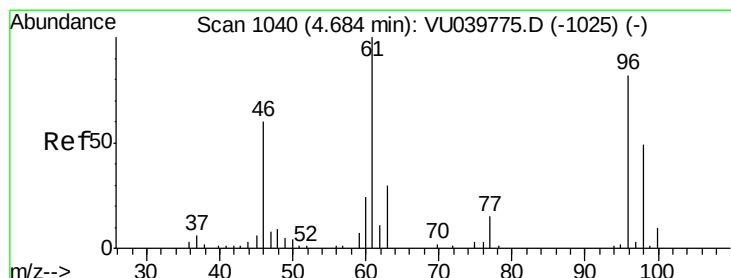
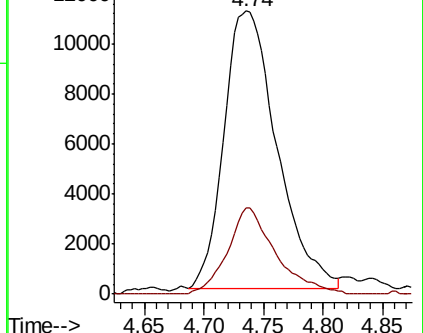
72 28.1 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039777.D (-965) (-)



Ion 72.10 (71.80 to 72.80): VU039777.D (-965) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.752 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039777.D

Acq: 07 Aug 2020 11:16

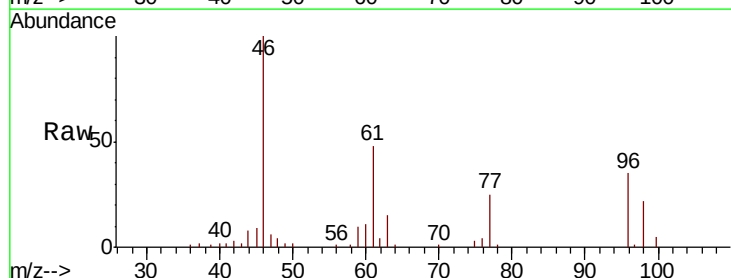
Tgt Ion: 96 Resp: 9709

Ion Ratio Lower Upper

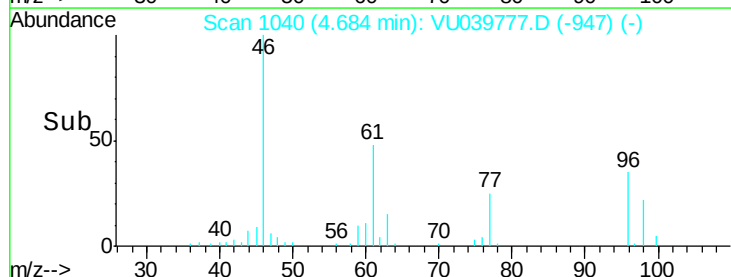
96 100

61 135.9 87.4 162.2

68 0.0 0.0 0.0

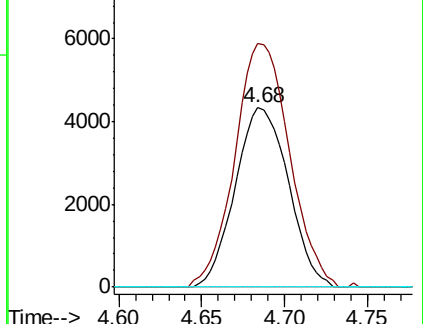


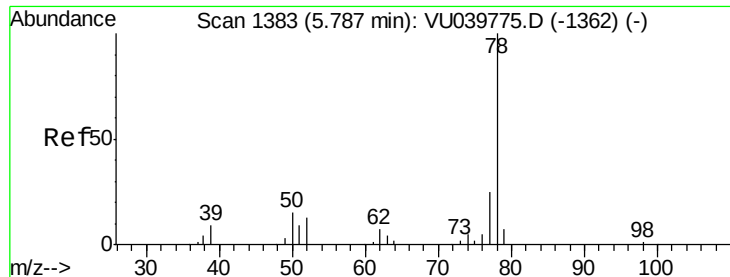
Abundance Ion 96.00 (95.70 to 96.70): VU039777.D (-947) (-)



Ion 61.05 (60.75 to 61.75): VU039777.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039777.D (-947) (-)





#33

Benzene

Concen: 0.134 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039777.D

Acq: 07 Aug 2020 11:16

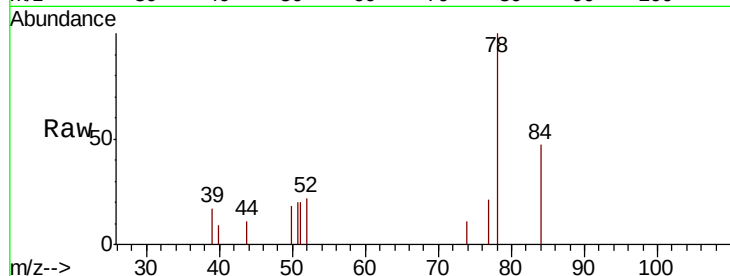
Instrument :

MSVOA_U

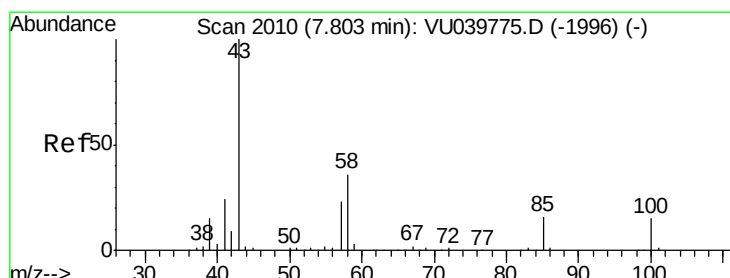
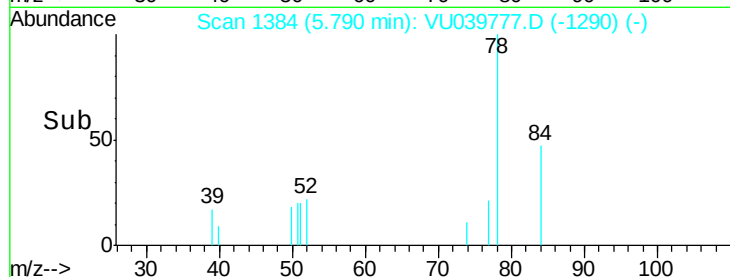
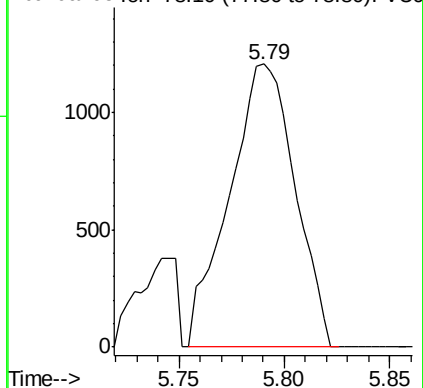
ClientSampled :

F2L48

Tgt Ion: 78 Resp: 2620



Abundance Ion 78.10 (77.80 to 78.80): VU0



#40

4-Methyl-2-pentanone

Concen: 1.350 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU039777.D

Acq: 07 Aug 2020 11:16

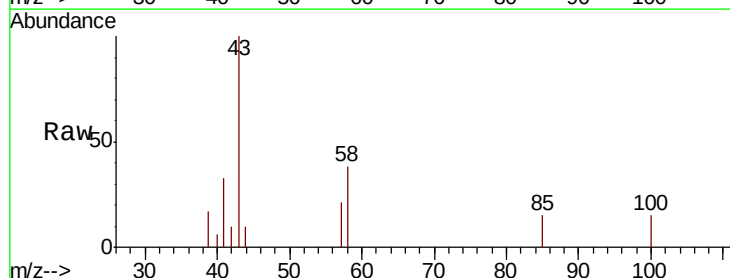
Tgt Ion: 43 Resp: 5235

Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.4	44.2
100	0.0	11.7	17.5

43 100

58 39.8 29.4 44.2

100 0.0 11.7 17.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0

