

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039303.D
 Acq On : 06 Jul 2020 19:52
 Operator : SY/MD
 Sample : L3193-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4286

Quant Time: Jul 07 03:45:24 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	6.26	114	114080	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106845	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51796	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43783	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.92	69	38735	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.58	63	63466	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.66	46	190346	57.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.14%
24) Chloroform-d	5.09	84	87393	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	51800	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.75	84	170522	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.71	67	57171	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.91	98	155640	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.19	79	24221	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	144274	54.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.36%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	53623	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	60360	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

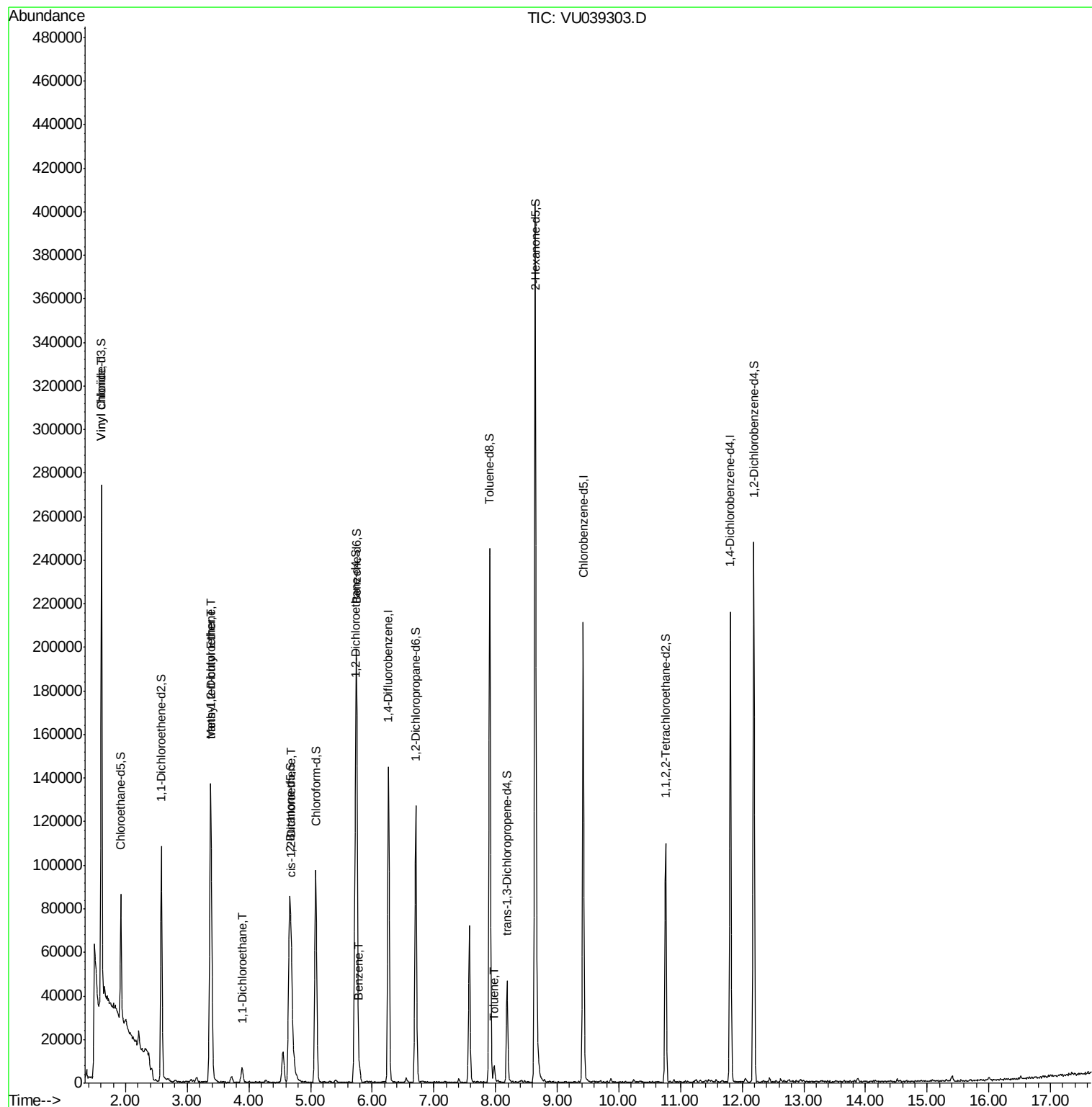
					Ovalue
5) Vinyl chloride	1.61	62	117475	13.822 ug/L	# 76
17) Methyl tert-butyl Ether	3.39	73	118872	5.592 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	17674	2.516 ug/L	100
19) 1,1-Dichloroethane	3.89	63	7595	0.540 ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	7009	0.875 ug/L	88
33) Benzene	5.79	78	6035	0.200 ug/L	100
42) Toluene	7.98	91	5484	0.167 ug/L	96

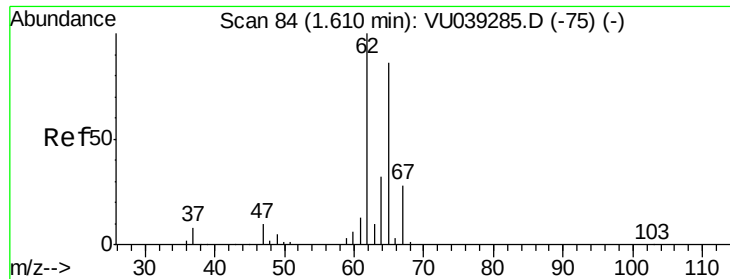
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.822 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039303.D

Acq: 06 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

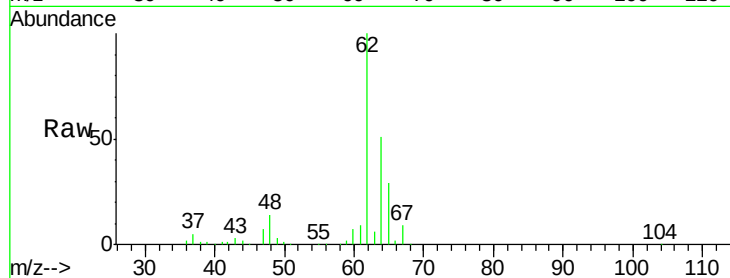
H4286

Tot Ion: 62 Resp: 117475

Ion Ratio Lower Upper

62 100

64 51.0 25.6 47.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039285.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039285.D (-75) (-)

1.61

120000

100000

80000

60000

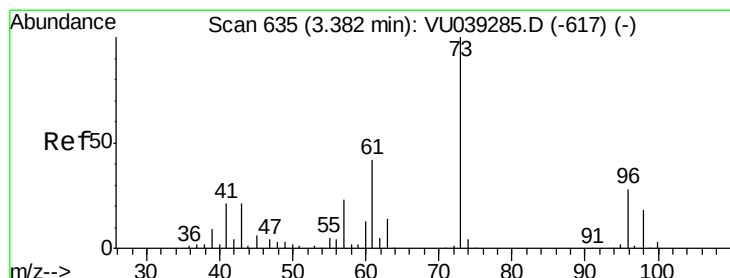
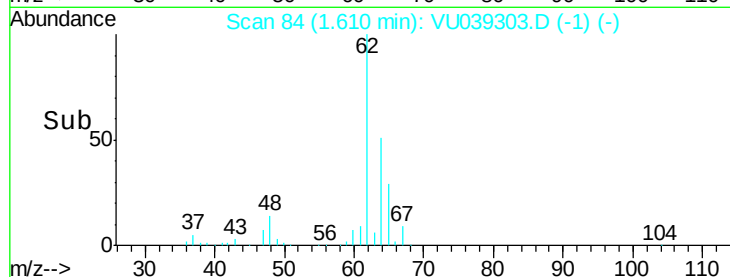
40000

20000

0

1.55 1.60 1.65 1.70 1.75

Time-->



#17

Methyl tert-butyl Ether

Concen: 5.592 ug/L

RT: 3.39 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039303.D

Acq: 06 Jul 2020 19:52

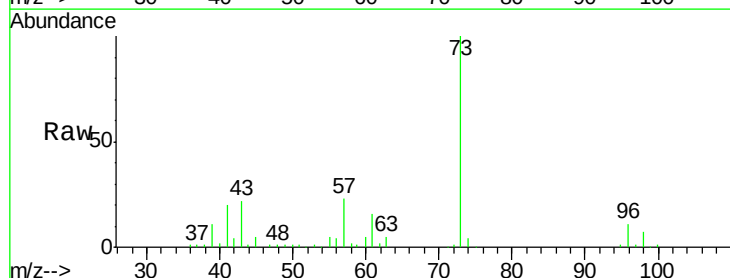
Tgt Ion: 73 Resp: 118872

Ion Ratio Lower Upper

73 100

43 22.2 17.5 26.3

57 23.4 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU039285.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039285.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039285.D (-617) (-)

3.39

60000

50000

40000

30000

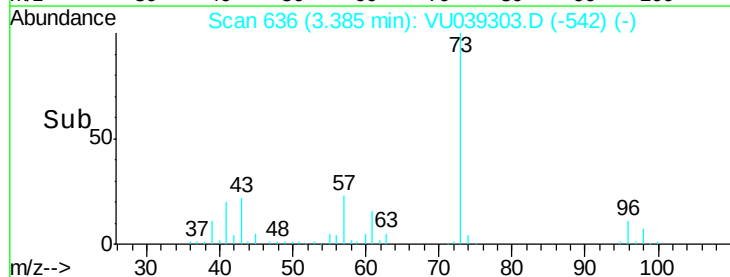
20000

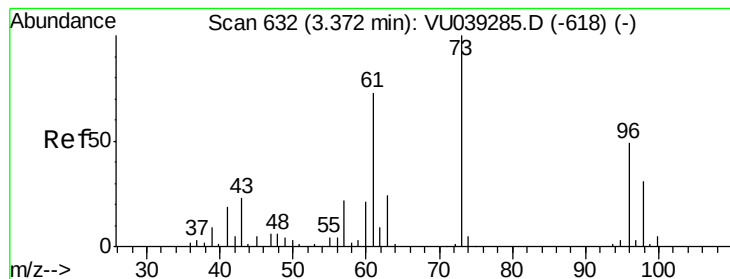
10000

0

3.30 3.40 3.50

Time-->





#18

trans-1,2-Dichloroethene

Concen: 2.516 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039303.D

Acq: 06 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

H4286

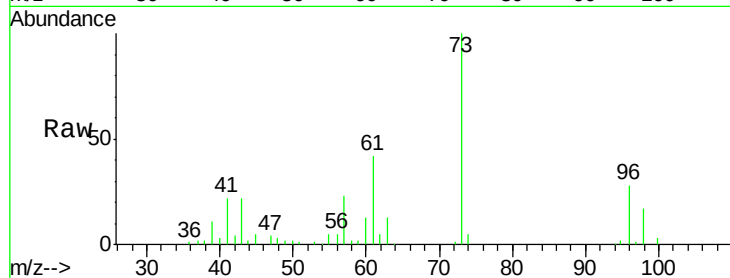
Tot Ion: 96 Resp: 17674

Ion Ratio Lower Upper

96 100

61 149.7 104.7 194.5

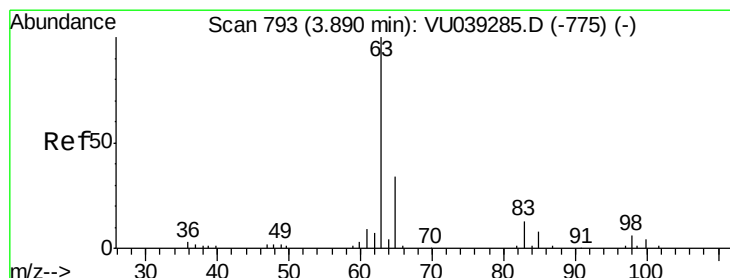
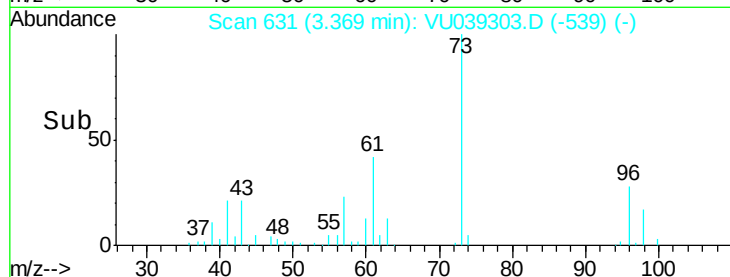
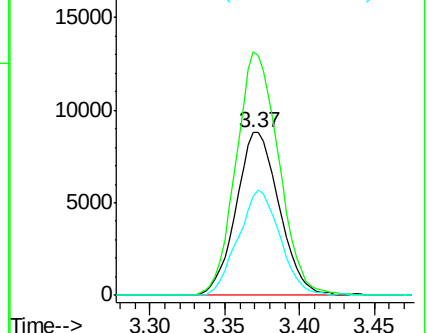
98 60.7 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU039303.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039303.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039303.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 0.540 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039303.D

Acq: 06 Jul 2020 19:52

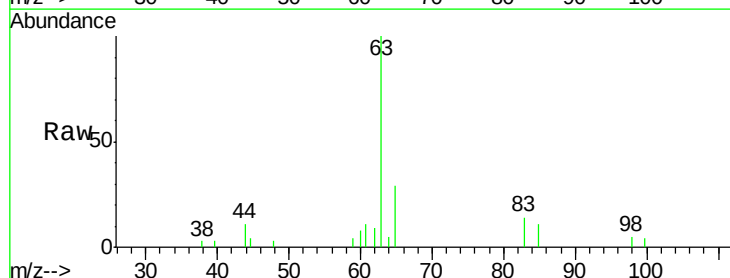
Tgt Ion: 63 Resp: 7595

Ion Ratio Lower Upper

63 100

65 28.6 22.7 42.3

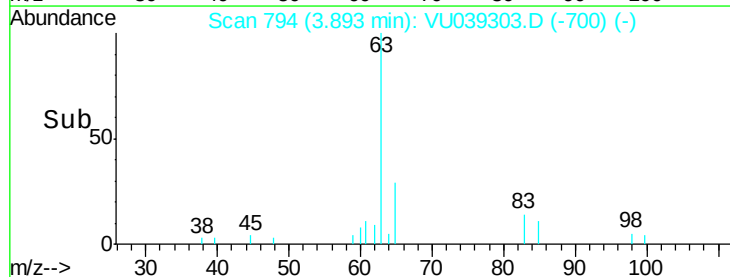
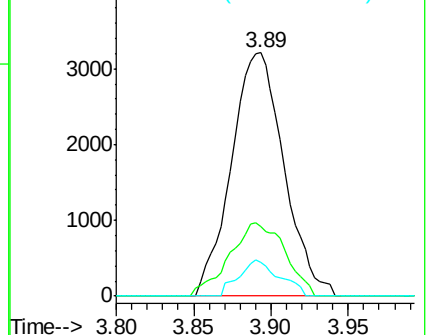
83 13.9 9.1 16.9

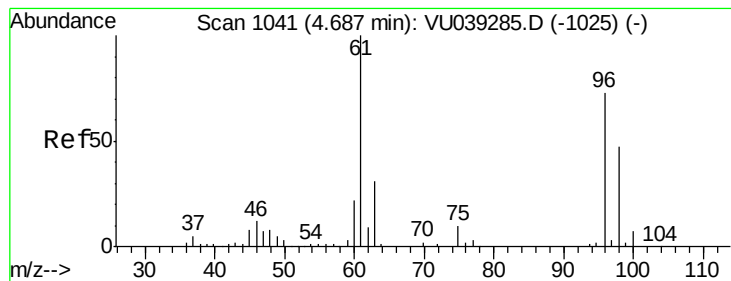


Abundance Ion 63.10 (62.80 to 63.80): VU039303.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039303.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039303.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.875 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039303.D

Acq: 06 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

H4286

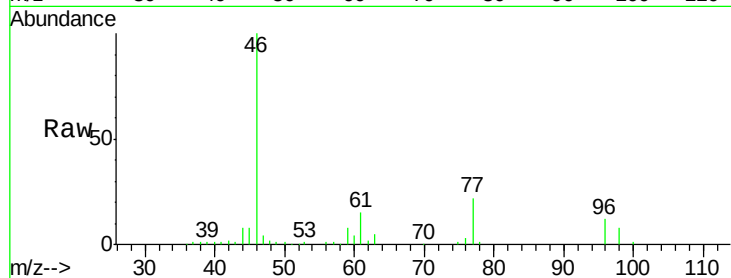
Tot Ion: 96 Resp: 7009

Ion Ratio Lower Upper

96 100

61 119.6 93.7 173.9

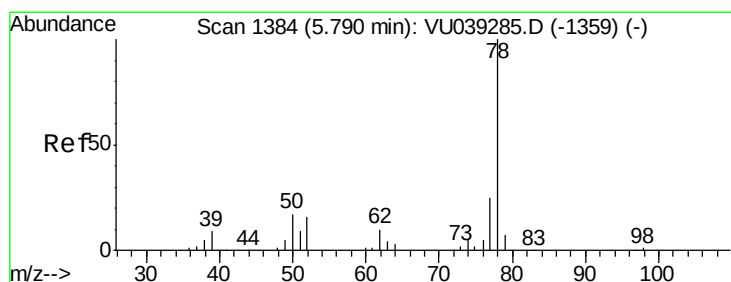
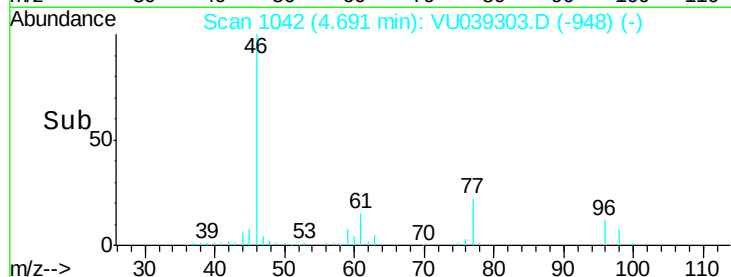
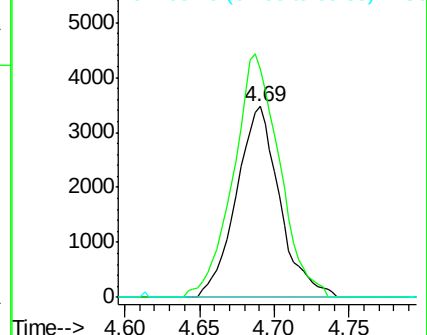
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039285.D (-1025) (-)



#33

Benzene

Concen: 0.200 ug/L

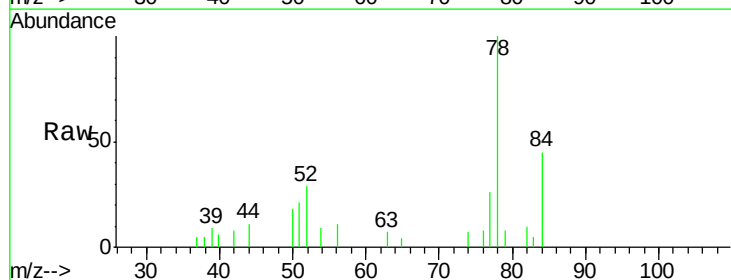
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

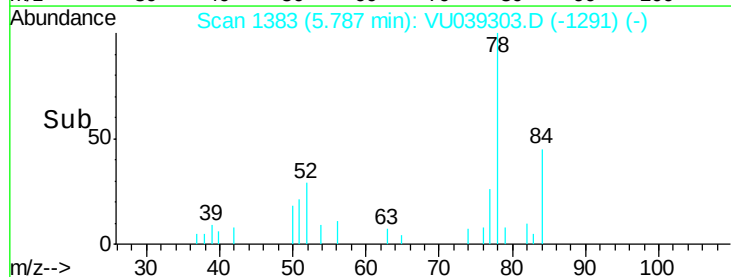
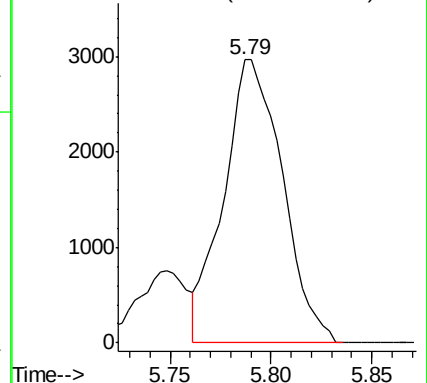
Lab File: VU039303.D

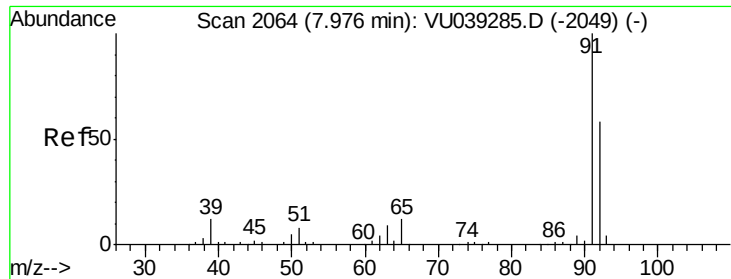
Acq: 06 Jul 2020 19:52

Tgt Ion: 78 Resp: 6035



Abundance Ion 78.10 (77.80 to 78.80): VU039285.D (-1359) (-)





#42

Toluene

Concen: 0.167 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039303.D

Acq: 06 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

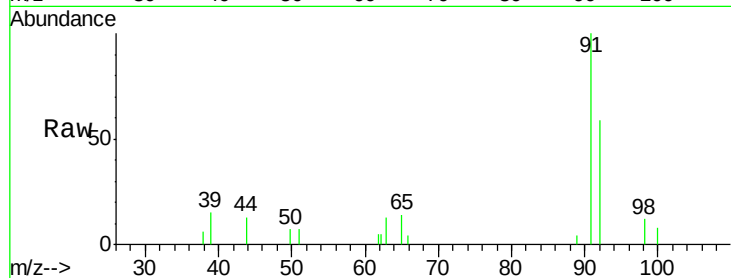
H4286

Tot Ion: 91 Resp: 5484

Ion Ratio Lower Upper

91 100

92 59.3 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

