

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040781.D
 Acq On : 17 Oct 2020 23:09
 Operator : SY/MD
 Sample : L4447-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ58

Quant Time: Oct 19 05:02:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113869	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115241	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45799	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33844	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.93	69	33082	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	53120	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.66	46	184927	61.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.50%
24) Chloroform-d	5.08	84	85462	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	54265	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.74	84	142761	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.70	67	52357	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.91	98	107545	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.19	79	18936	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	121983	54.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52621	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	47057	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

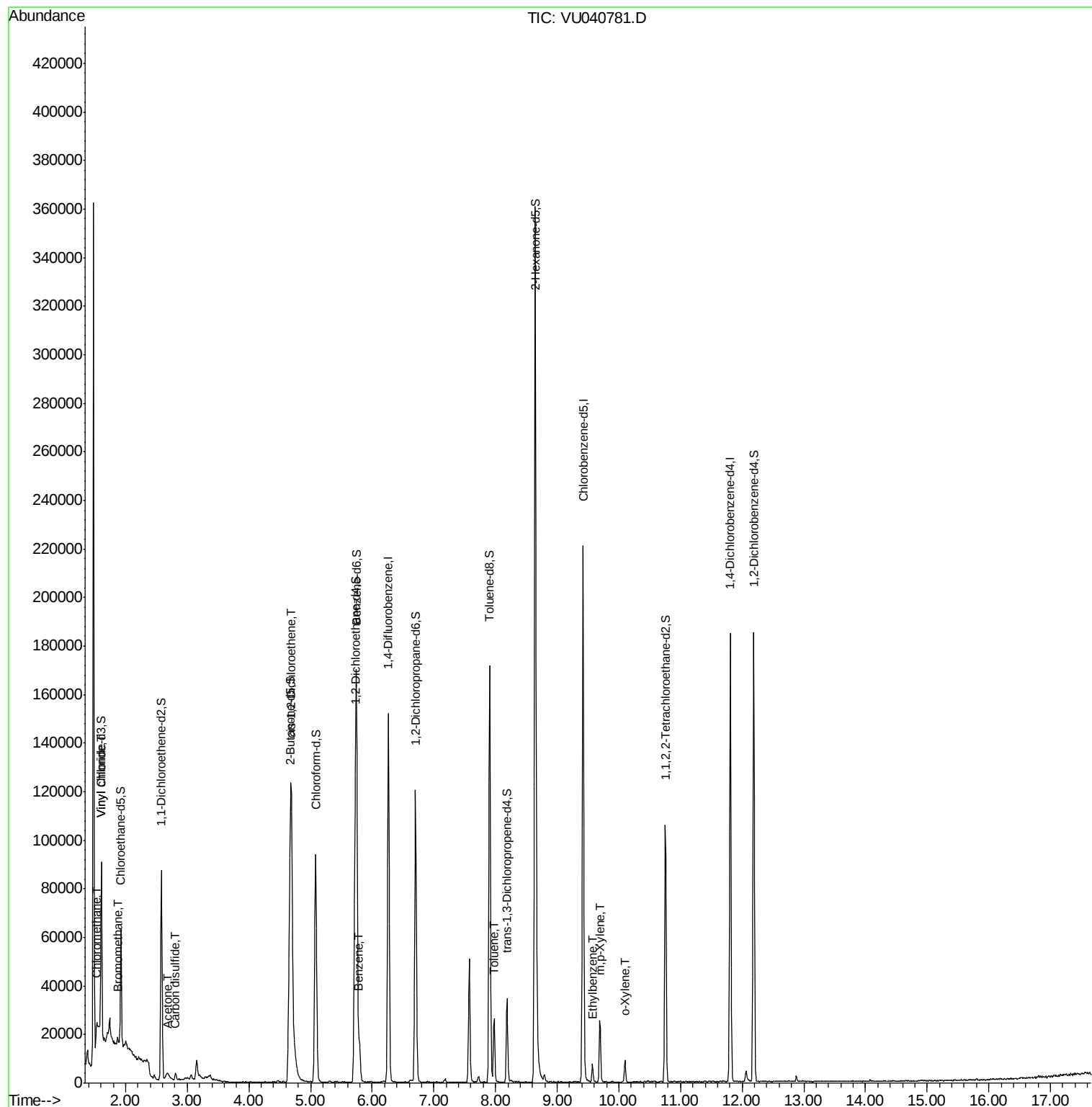
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4168	0.432	ug/L	99
5) Vinyl chloride	1.61	62	7561	0.744	ug/L #	1
6) Bromomethane	1.87	94	1256	0.228	ug/L	91
13) Acetone	2.68	43	7007	2.994	ug/L	54
14) Carbon disulfide	2.81	76	4365	0.192	ug/L #	94
22) cis-1,2-Dichloroethene	4.69	96	35735	3.896	ug/L	97
33) Benzene	5.79	78	14063	0.380	ug/L	100
42) Toluene	7.98	91	18219	0.483	ug/L	98
52) Ethylbenzene	9.57	91	4653	0.114	ug/L	85
53) m,p-Xylene	9.69	106	7346	0.494	ug/L	85
54) o-Xylene	10.10	106	2246	0.157	ug/L	97

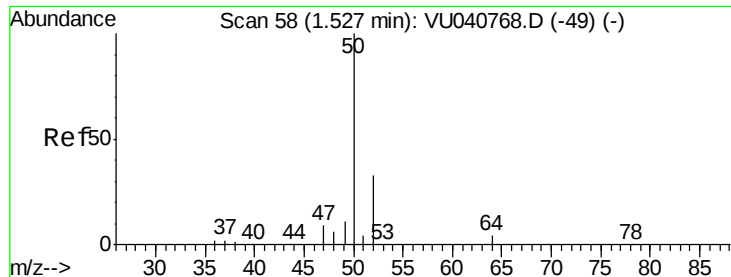
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.432 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Instrument :

MSVOA_U

ClientSampled :

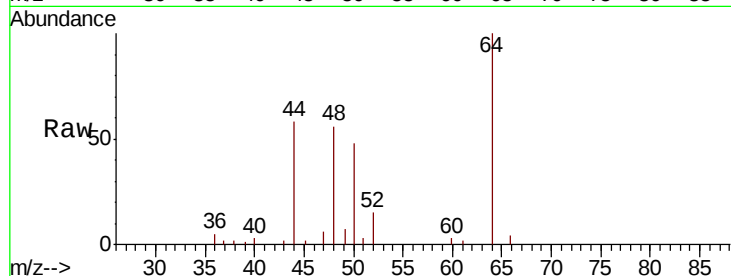
ETZ58

Tot Ion: 50 Resp: 4168

Ion Ratio Lower Upper

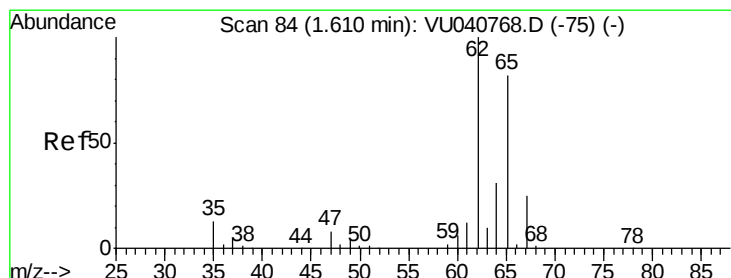
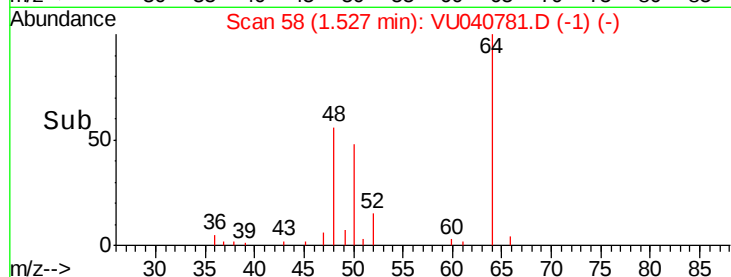
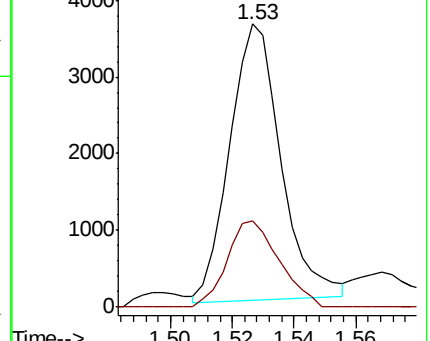
50 100

52 30.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.744 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040781.D

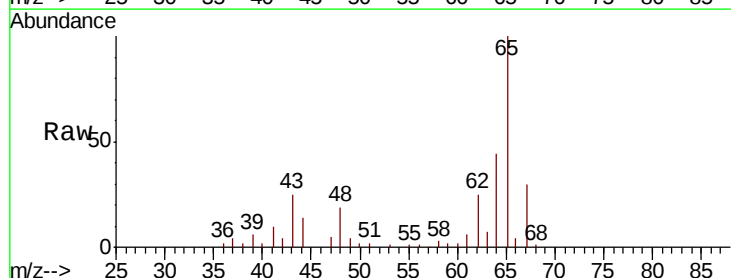
Acq: 17 Oct 2020 23:09

Tgt Ion: 62 Resp: 7561

Ion Ratio Lower Upper

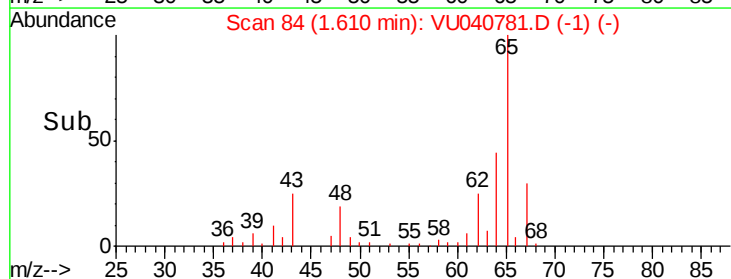
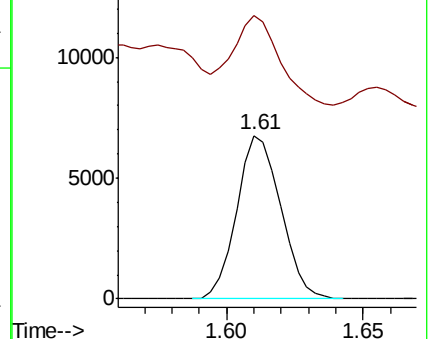
62 100

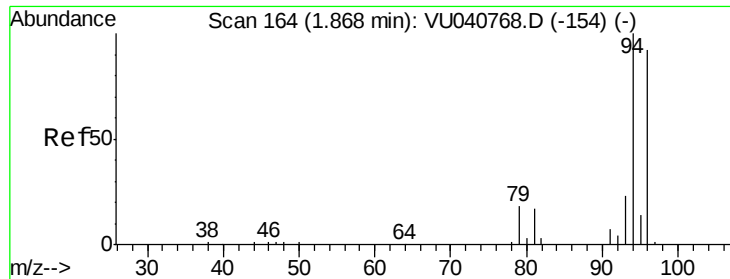
64 173.5 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#6

Bromomethane

Concen: 0.228 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

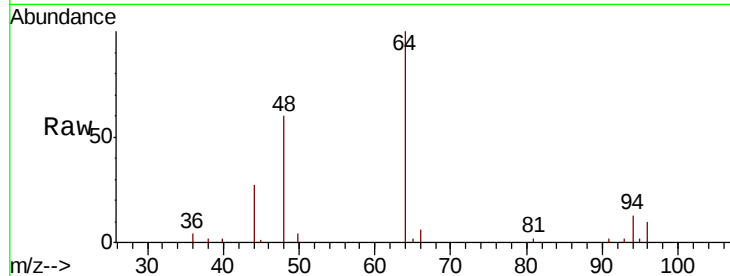
ETZ58

Tot Ion: 94 Resp: 1256

Ion Ratio Lower Upper

94 100

96 80.6 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1200

1000

800

600

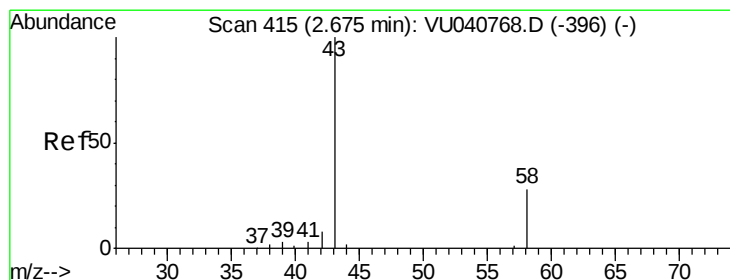
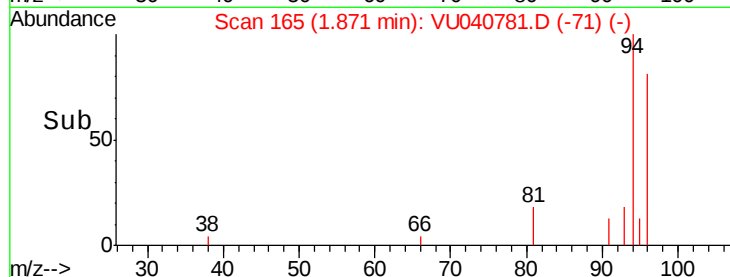
400

200

0

1.84 1.86 1.88 1.90

Time-->



#13

Acetone

Concen: 2.994 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040781.D

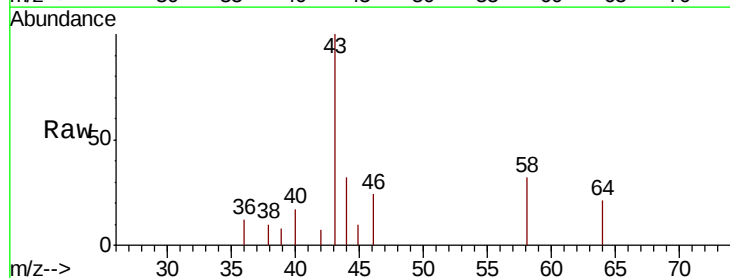
Acq: 17 Oct 2020 23:09

Tgt Ion: 43 Resp: 7007

Ion Ratio Lower Upper

43 100

58 5.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1500

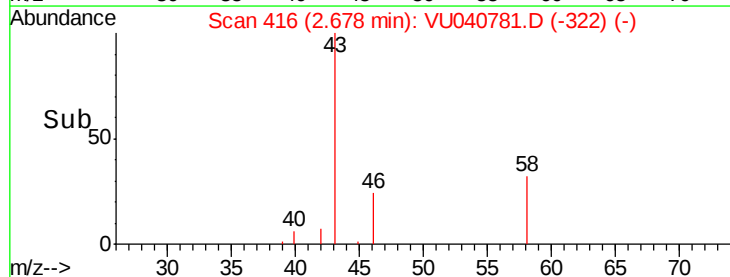
1000

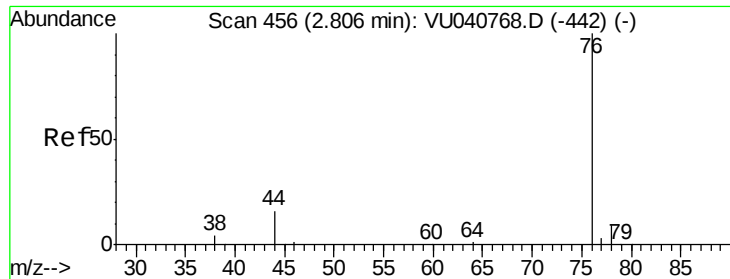
500

0

2.60 2.70 2.80

Time-->





#14

Carbon disulfide

Concen: 0.192 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

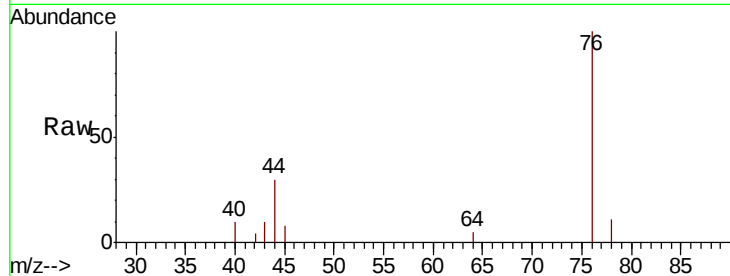
ETZ58

Tot Ion: 76 Resp: 4365

Ion Ratio Lower Upper

76 100

78 10.5 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU040768.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040768.D (-442) (-)

2.81

2500

2000

1500

1000

500

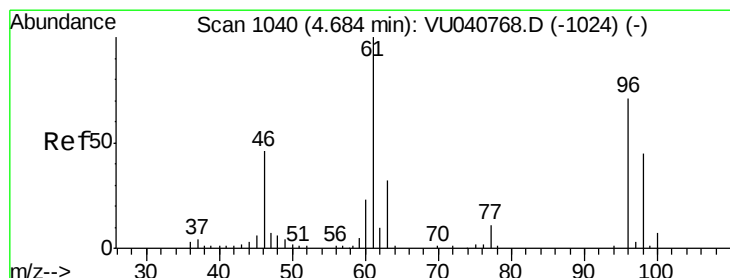
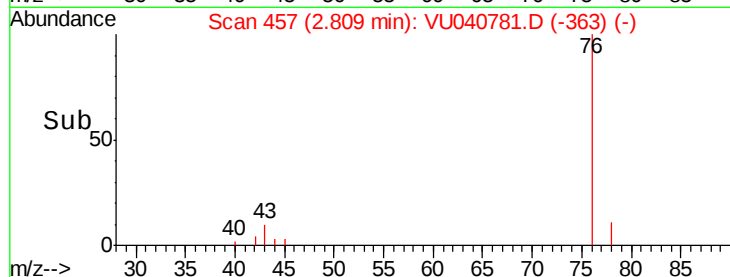
0

2.75

2.80

2.85

Time-->



#22

cis-1,2-Dichloroethene

Concen: 3.896 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

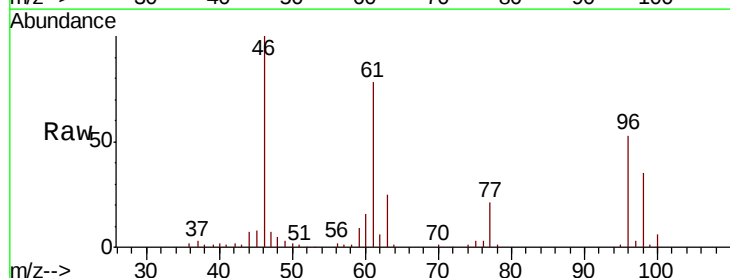
Tgt Ion: 96 Resp: 35735

Ion Ratio Lower Upper

96 100

61 146.3 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040768.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040768.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040768.D (-1024) (-)

30000

25000

20000

15000

10000

5000

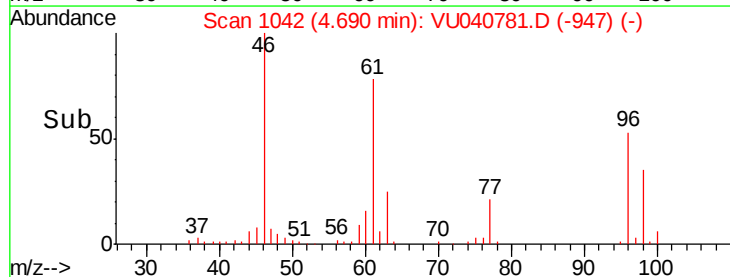
0

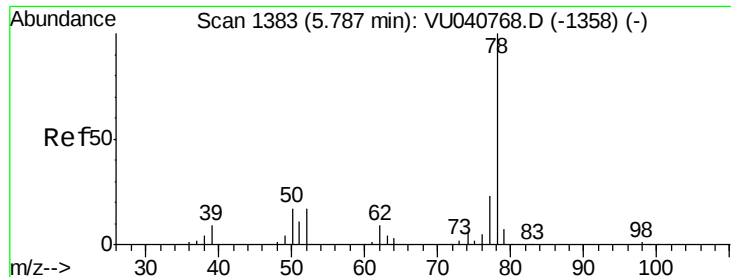
4.60

4.70

4.80

Time-->





#33

Benzene

Concen: 0.380 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

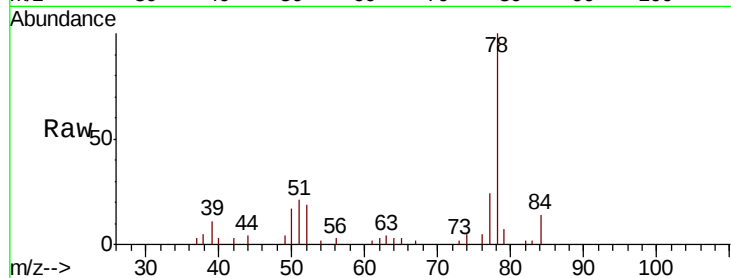
Instrument :

MSVOA_U

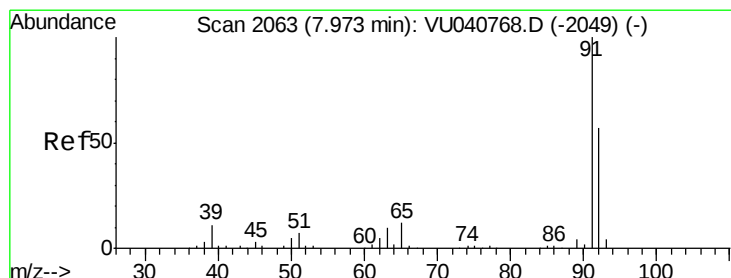
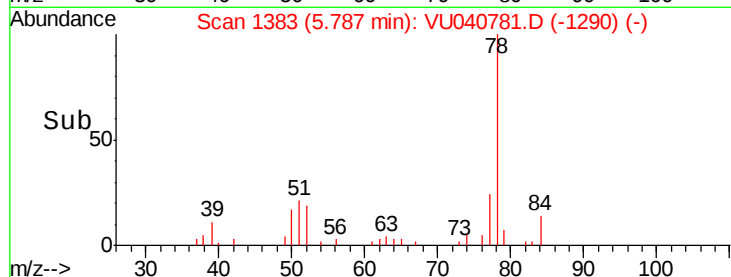
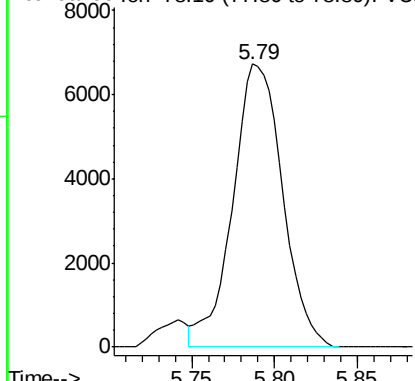
ClientSampled :

ETZ58

Tgt Ion: 78 Resp: 14063



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.483 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040781.D

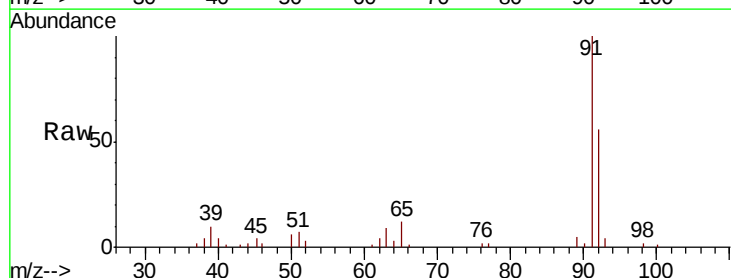
Acq: 17 Oct 2020 23:09

Tgt Ion: 91 Resp: 18219

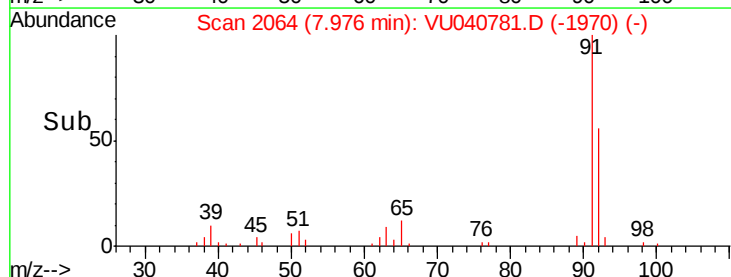
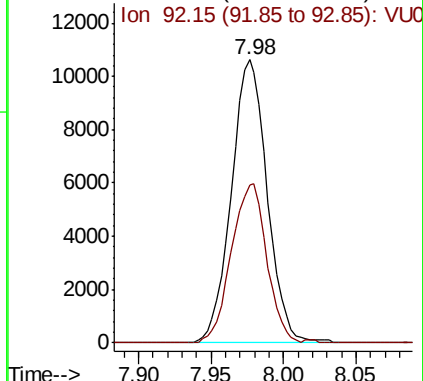
Ion Ratio Lower Upper

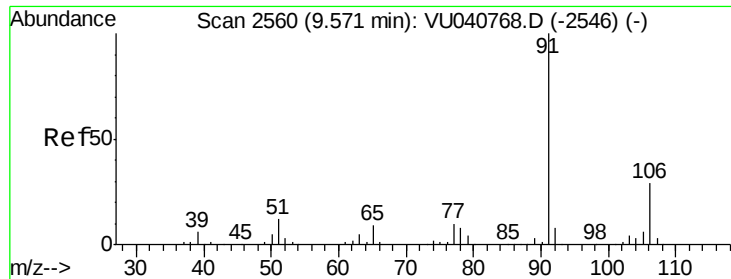
91 100

92 56.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0





#52

Ethylbenzene

Concen: 0.114 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

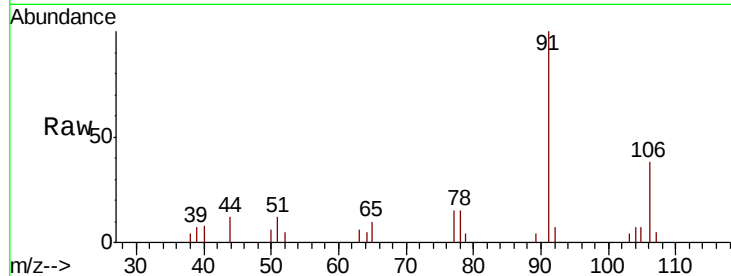
ETZ58

Tot Ion: 91 Resp: 4653

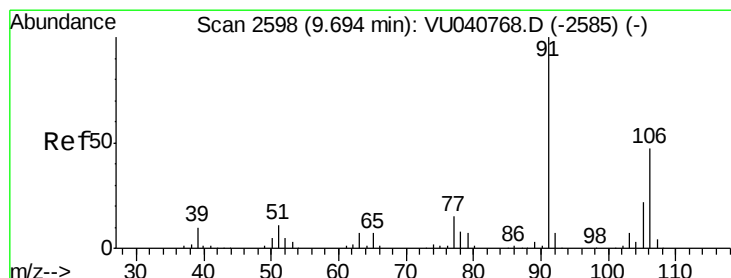
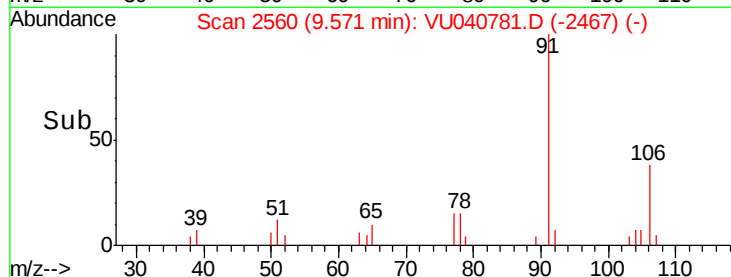
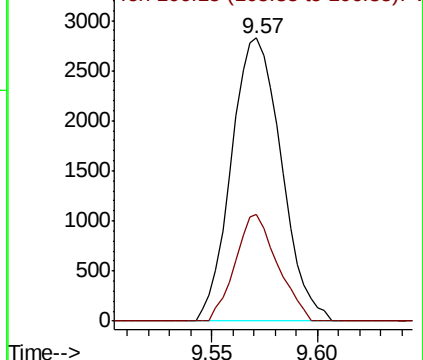
Ion Ratio Lower Upper

91 100

106 37.7 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.494 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040781.D

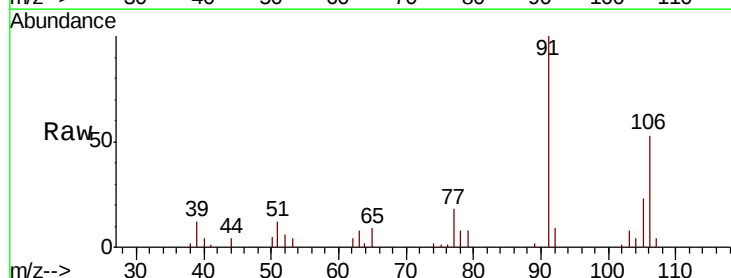
Acq: 17 Oct 2020 23:09

Tgt Ion: 106 Resp: 7346

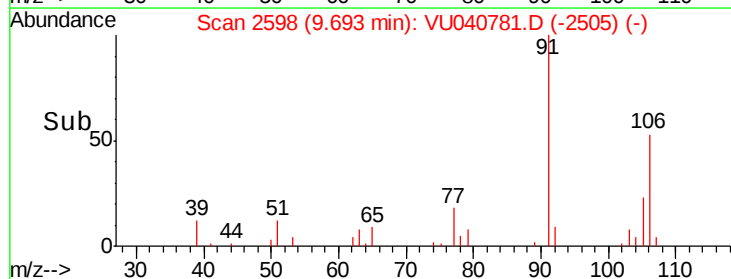
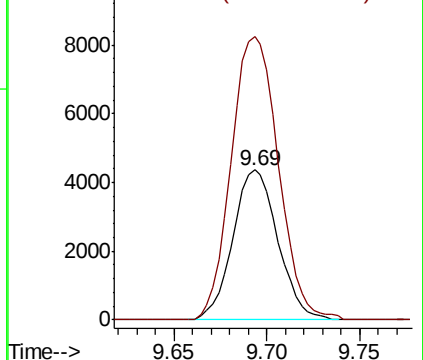
Ion Ratio Lower Upper

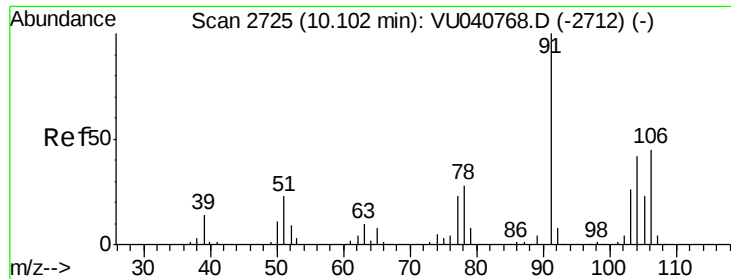
106 100

91 189.2 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040768.D (-2585) (-)





#54
 o-Xylene
 Concen: 0.157 ug/L
 RT: 10.10 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VU040781.D
 Acq: 17 Oct 2020 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ58

Tot Ion:106 Resp: 2246
 Ion Ratio Lower Upper
 106 100
 91 223.5 160.2 297.4

