

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 : 25.4mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ58

Quant Time: Oct 19 03:11:17 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

					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
8) Chloroethane	1.94	64	691	0.107 ug/L #	48
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	430	0.045 ug/L #	20
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
27) 1,2-Dichloroethane	5.82	62	1297	0.102 ug/L #	77
33) Benzene	5.79	78	14063	0.380 ug/L	100
35) Methylcyclohexane	6.70	83	12616	0.927 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6256	0.606 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1350	0.096 ug/L #	42
42) Toluene	7.98	91	18219	0.483 ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	965	0.074 ug/L	93
48) 2-Hexanone	8.64	43	20153	3.291 ug/L #	73
52) Ethylbenzene	9.57	91	4653	0.114 ug/L	85

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QLast Update : Mon Oct 19 03:08:11 2020
Response via : Initial Calibration

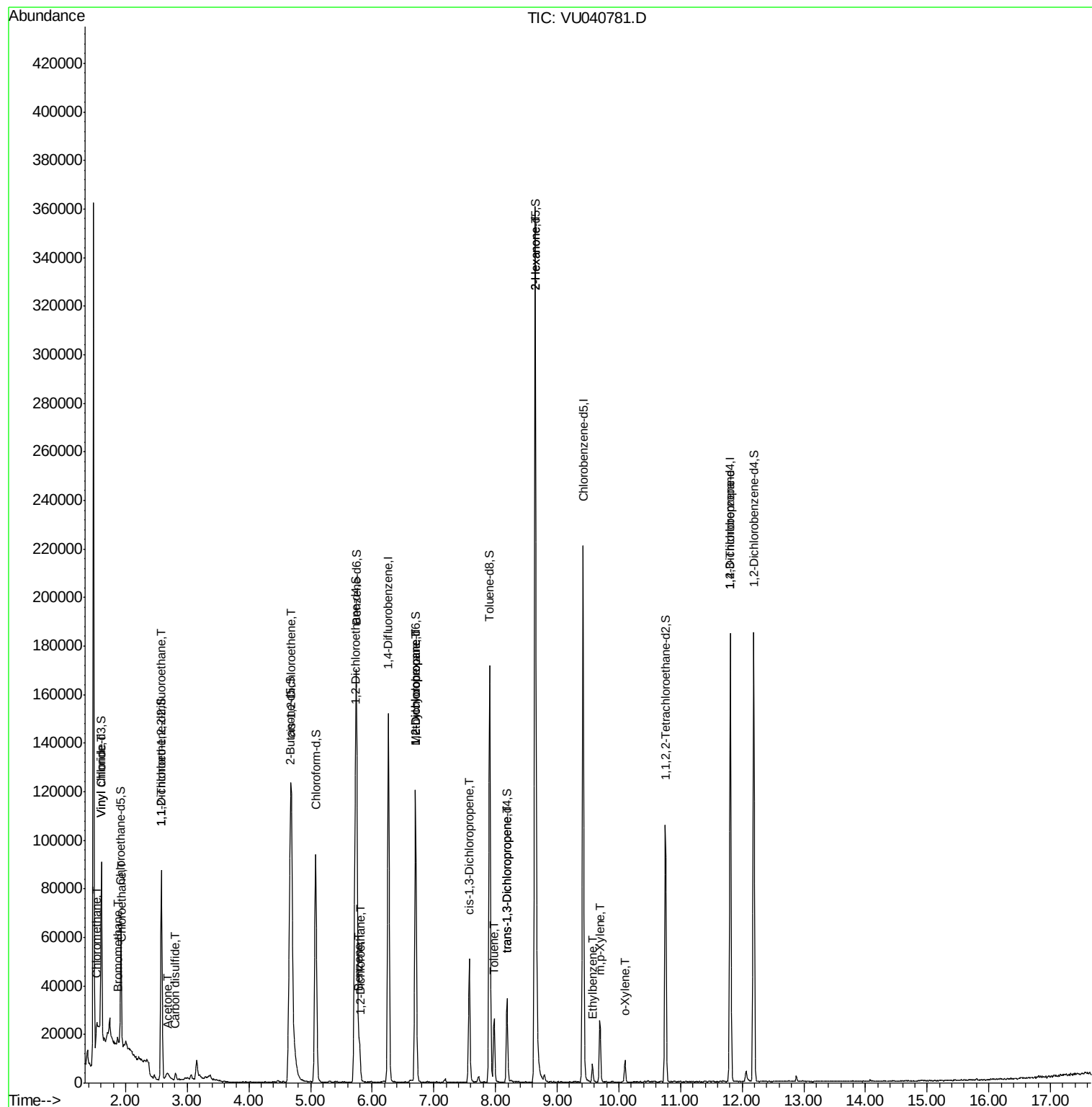
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.69	106	7346	0.494	ug/L	85
54) o-Xylene	10.10	106	2246	0.157	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	6256	0.826	ug/L	93

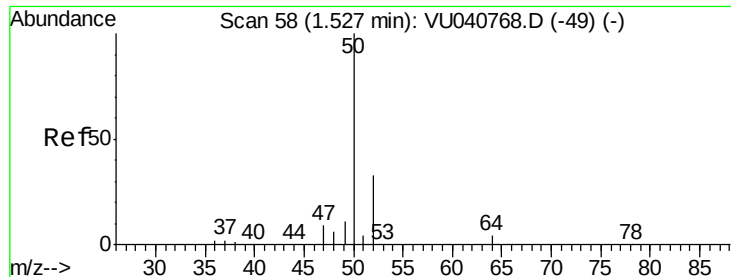
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

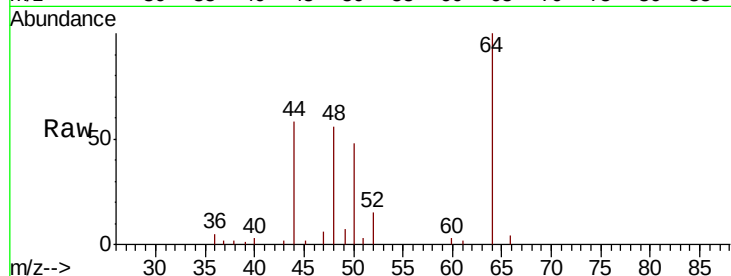
ETZ58

Tot Ion: 50 Resp: 4168

Ion Ratio Lower Upper

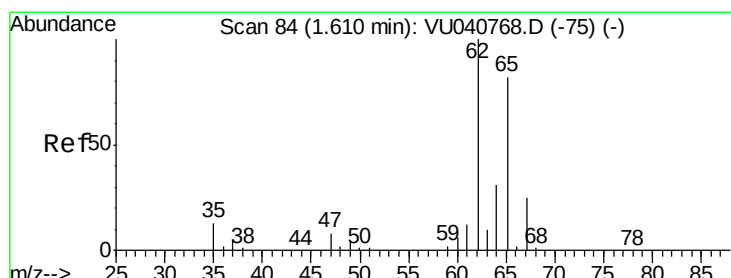
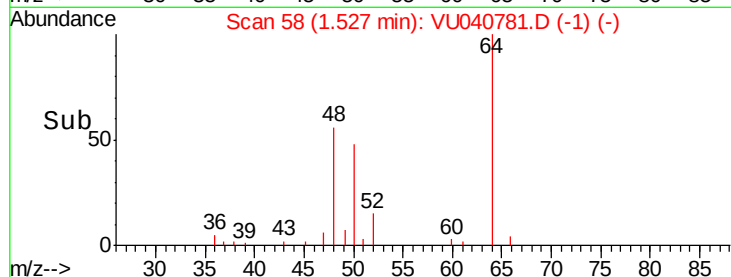
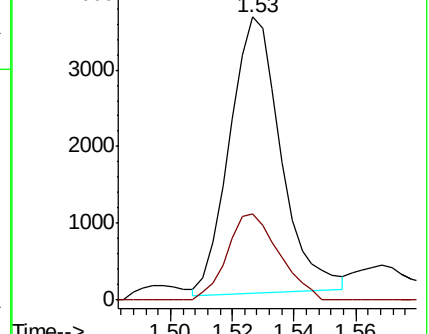
50 100

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

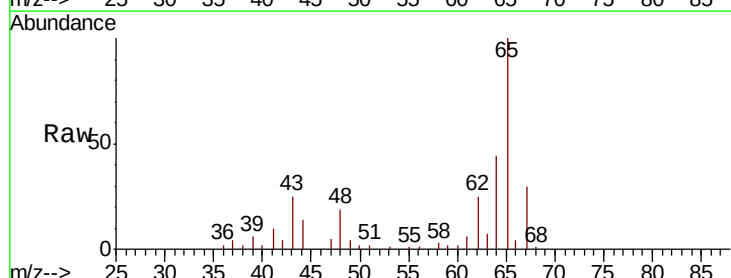
Acq: 17 Oct 2020 23:09

Tgt Ion: 62 Resp: 7561

Ion Ratio Lower Upper

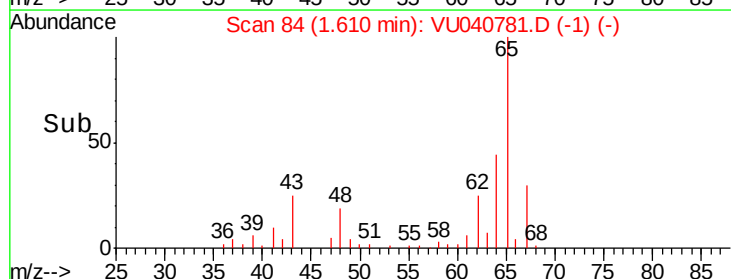
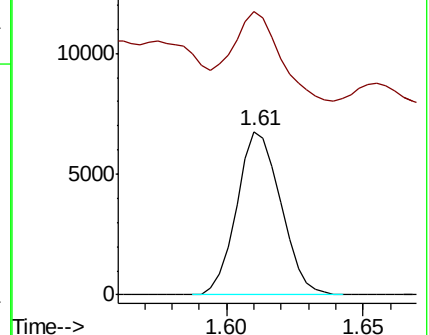
62 100

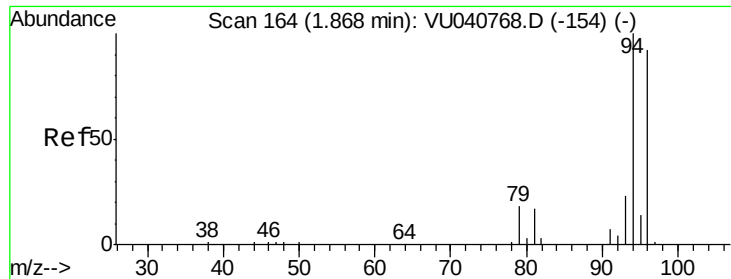
64 173.5 23.7 44.1#



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 :

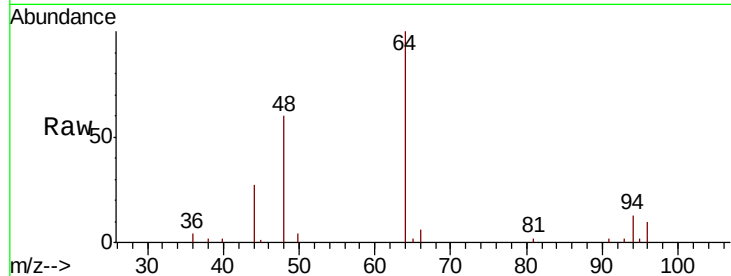
ETZ58

Tot Ion: 94 Resp: 1256

Ion Ratio Lower Upper

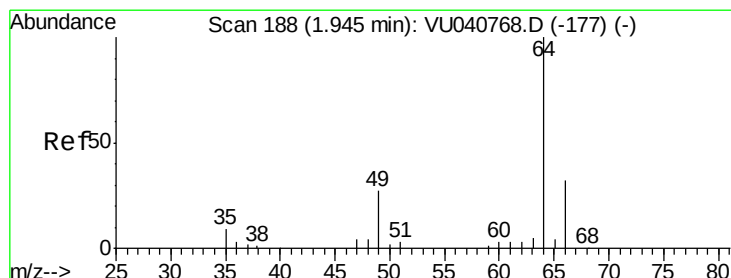
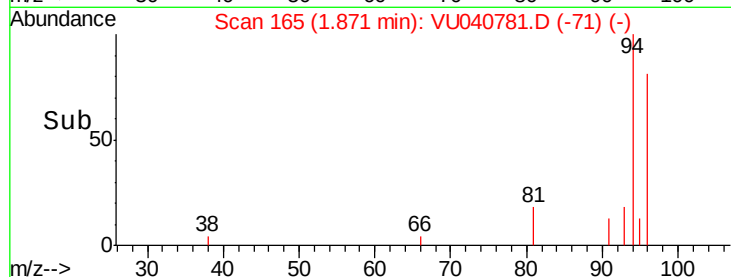
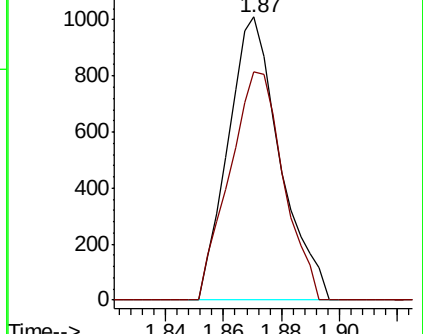
94 100

96 80.6 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU040781.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040781.D (-154) (-)



#8

Chloroethane

Concen: 0.107 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040781.D

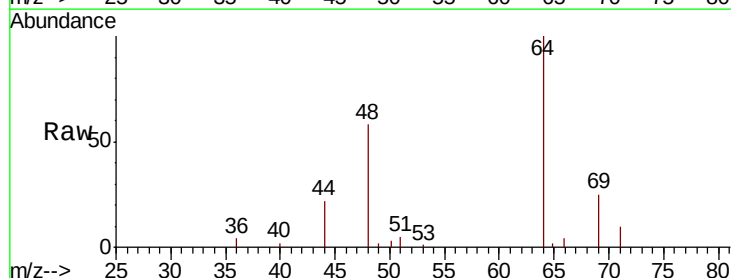
Acq: 17 Oct 2020 23:09

Tgt Ion: 64 Resp: 691

Ion Ratio Lower Upper

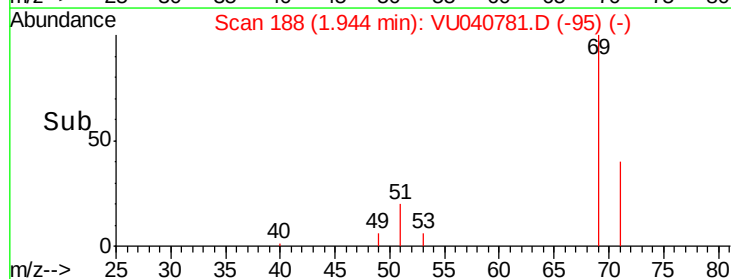
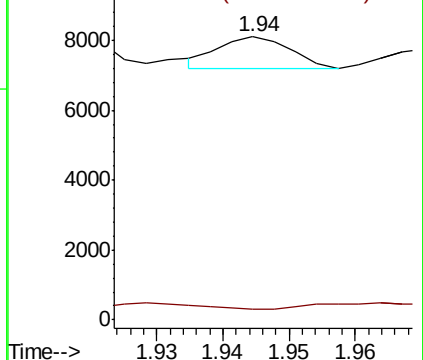
64 100

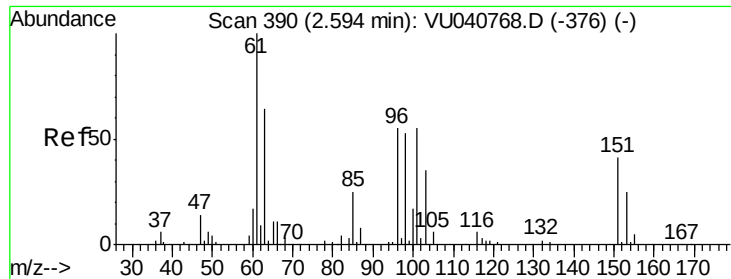
66 3.7 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040781.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU040781.D (-177) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.045 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

ETZ58

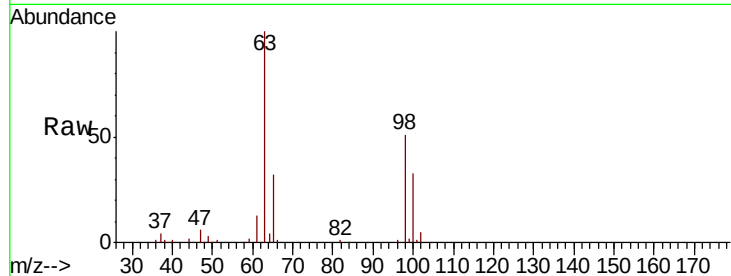
Tot Ion:101 Resp: 430

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

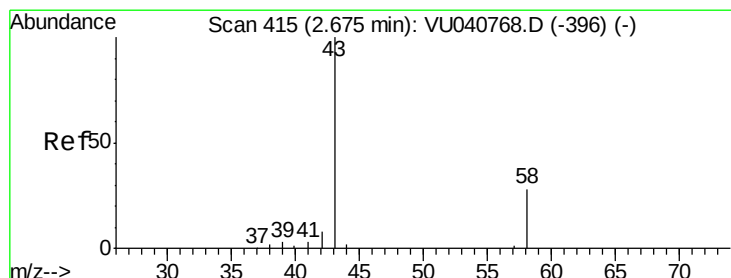
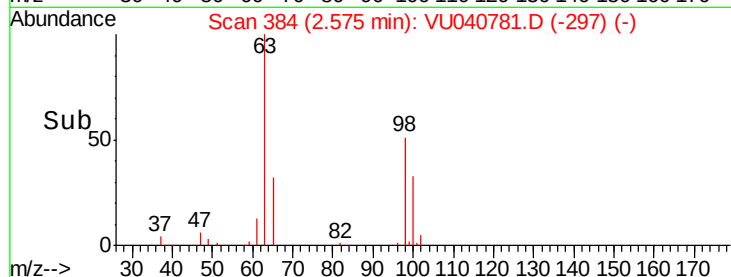
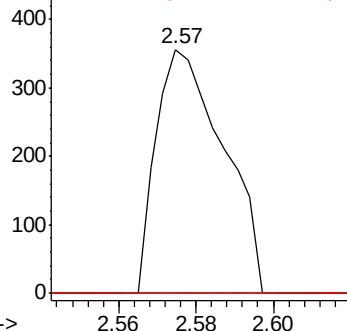
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.994 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040781.D

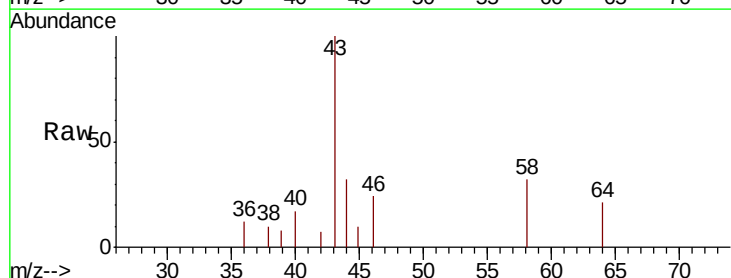
Acq: 17 Oct 2020 23:09

Tgt Ion: 43 Resp: 7007

Ion Ratio Lower Upper

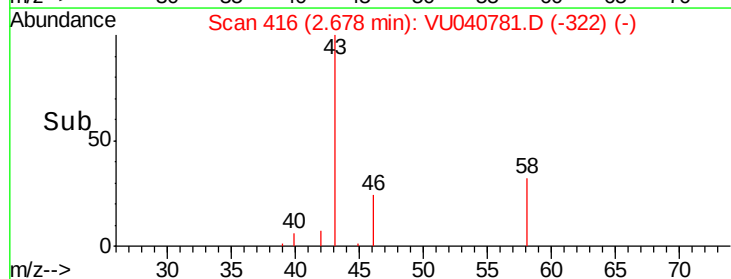
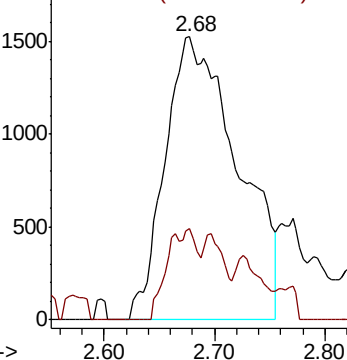
43 100

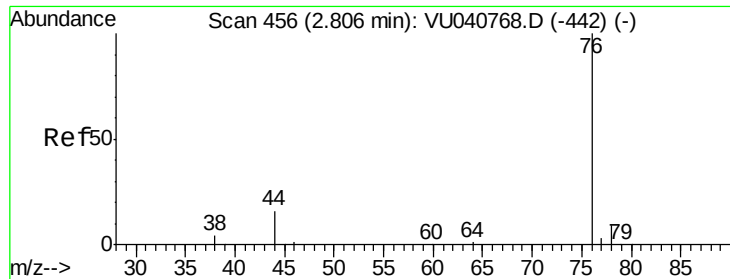
58 5.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#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 :

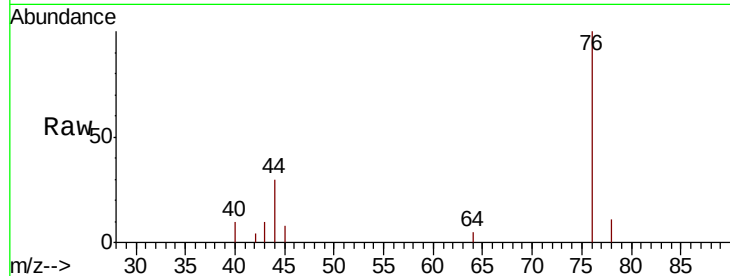
ETZ58

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): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

2500

2000

1500

1000

500

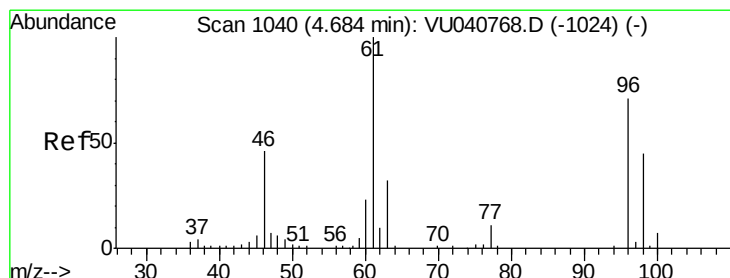
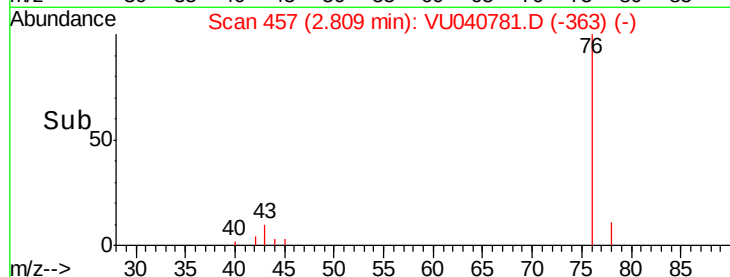
0

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

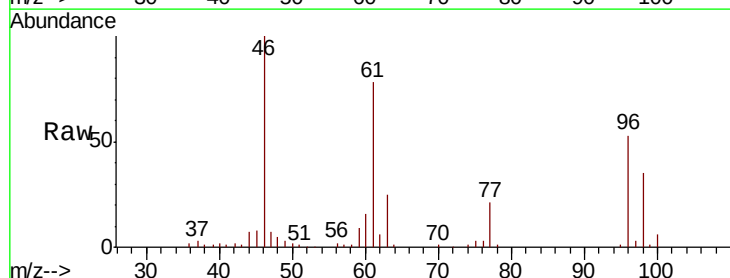
Tgt Ion: 96 Resp: 35735

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): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

30000

25000

20000

15000

10000

5000

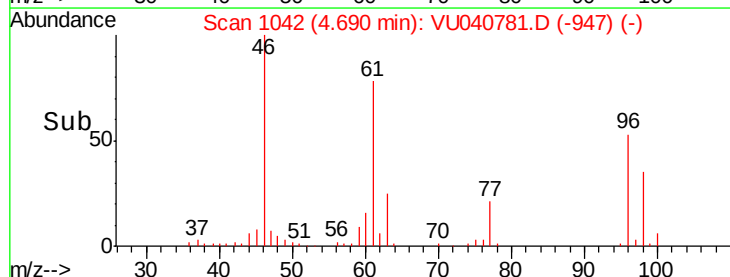
0

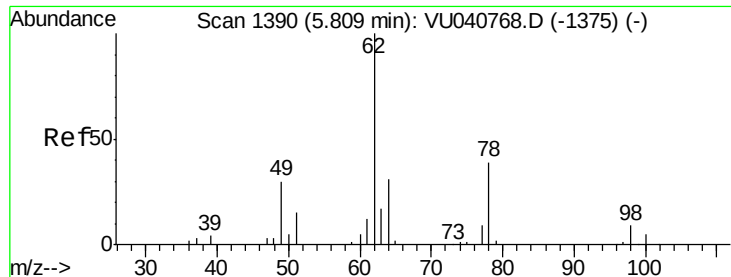
4.60

4.70

4.80

Time-->

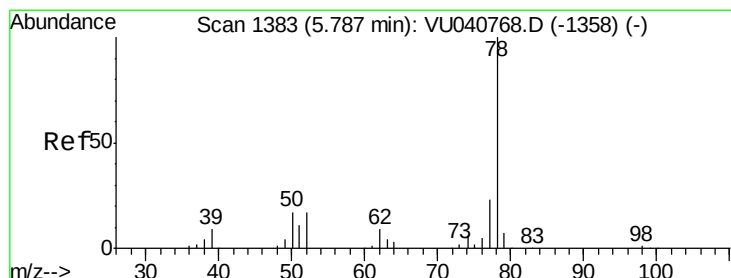
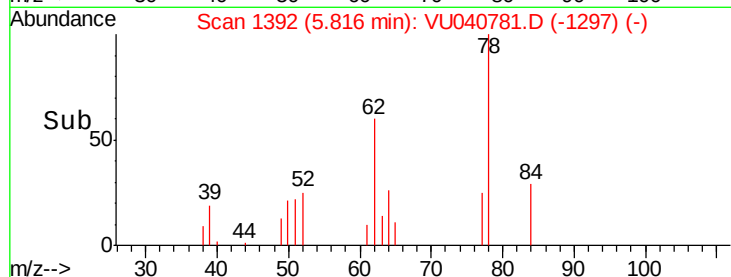
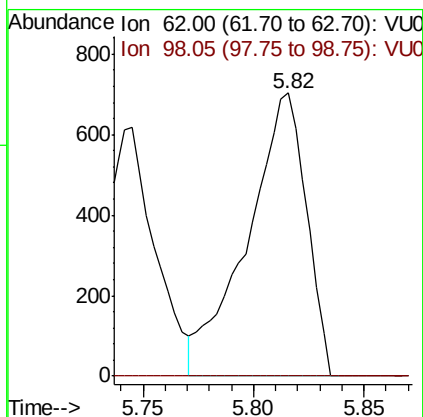
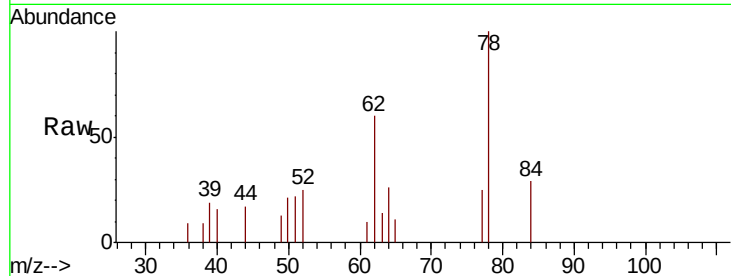




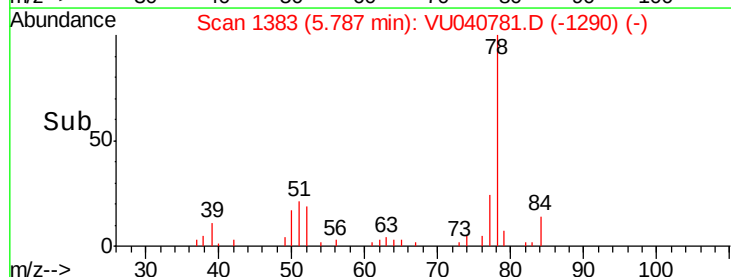
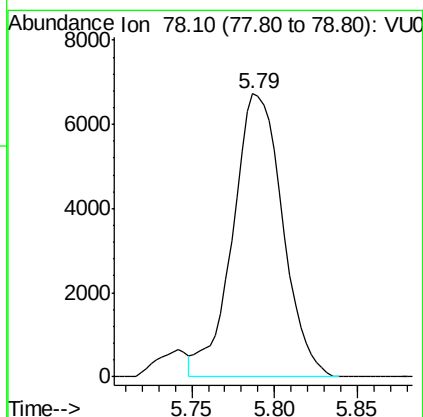
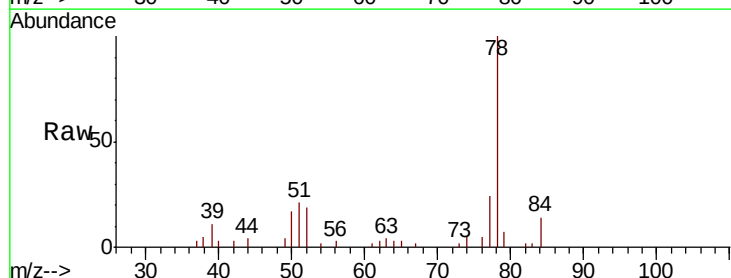
#27
 1,2-Dichloroethane
 Concen: 0.102 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VU040781.D
 Acq: 17 Oct 2020 23:09

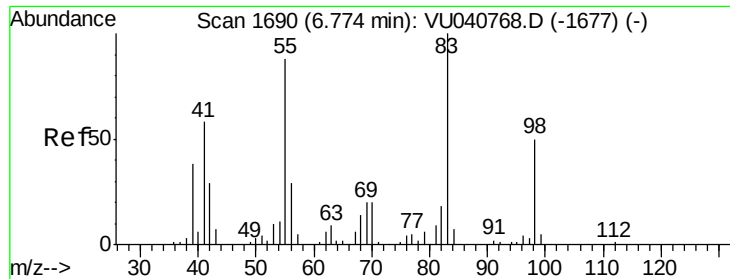
Instrument :
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Tot Ion: 62 Resp: 1297
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#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
 Tgt Ion: 78 Resp: 14063

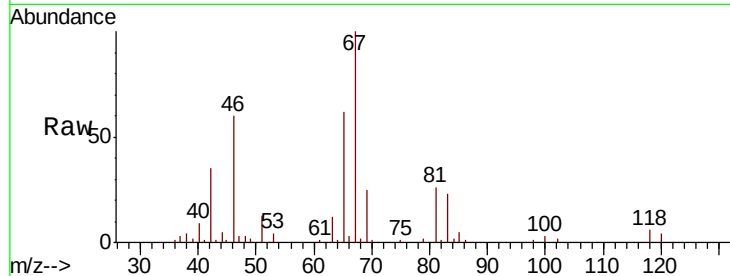




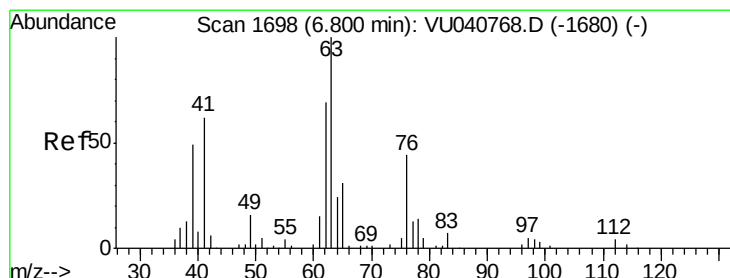
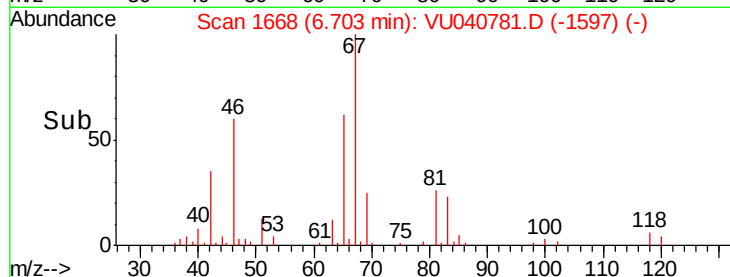
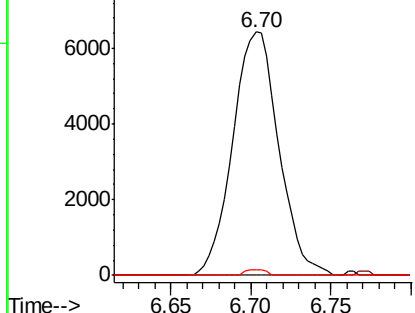
#35
Methylvlcyclohexane
Concen: 0.927 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040781.D
Acq: 17 Oct 2020 23:09

Instrument :
MSVOA_U
ClientSampleId :
ETZ58

Tot Ion: 83 Resp: 12616
Ion Ratio Lower Upper
83 100
55 0.5 70.7 106.1#
98 1.0 38.4 57.6#

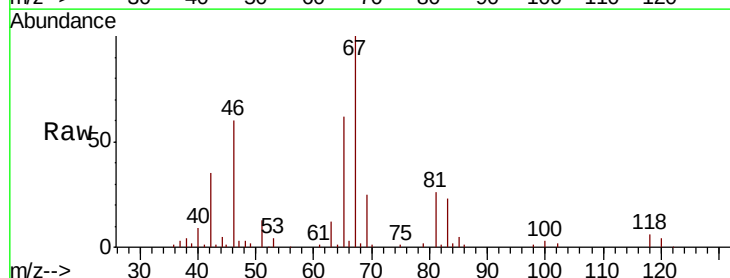


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

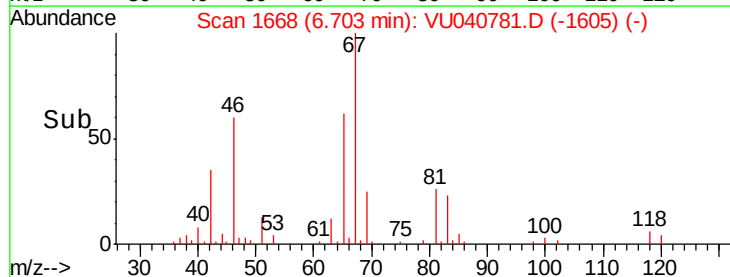
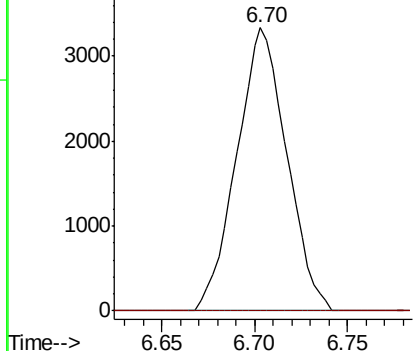


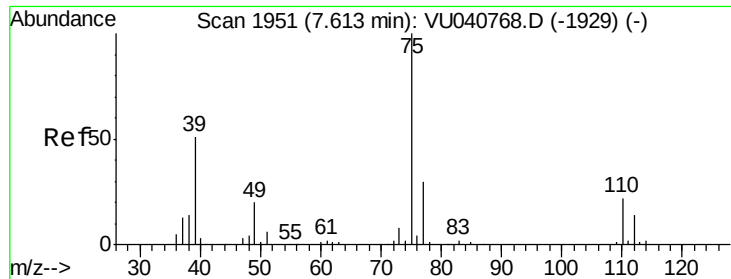
#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040781.D
Acq: 17 Oct 2020 23:09

Tgt Ion: 63 Resp: 6256
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



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

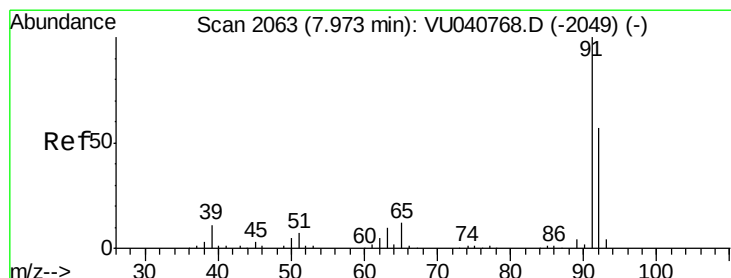
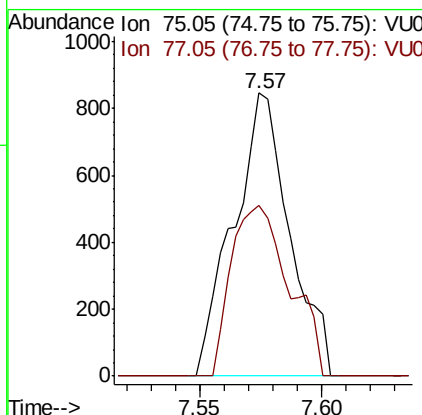
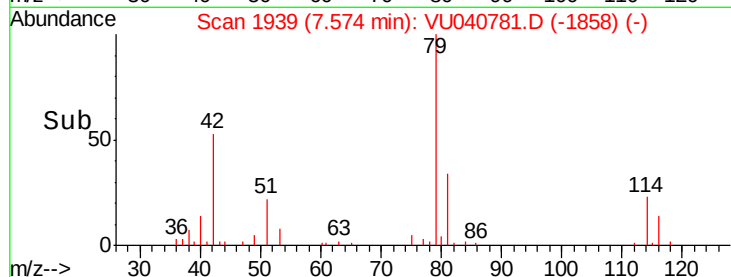
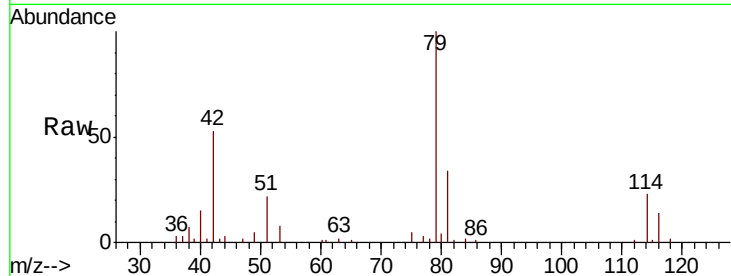




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040781.D
 Acq: 17 Oct 2020 23:09

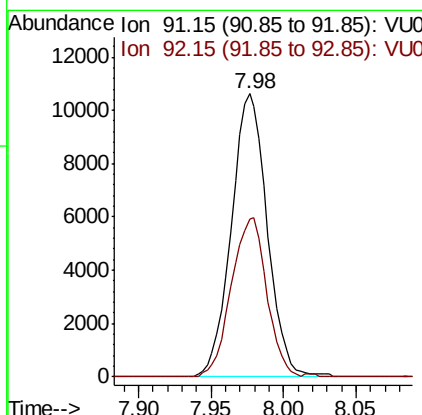
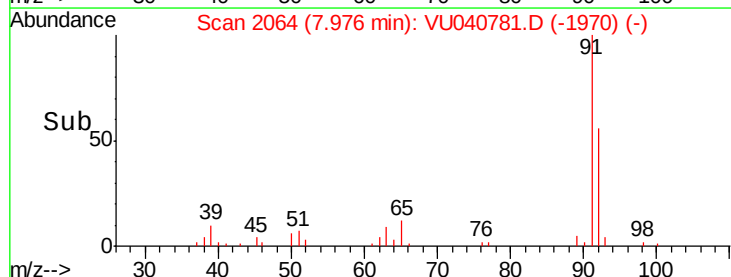
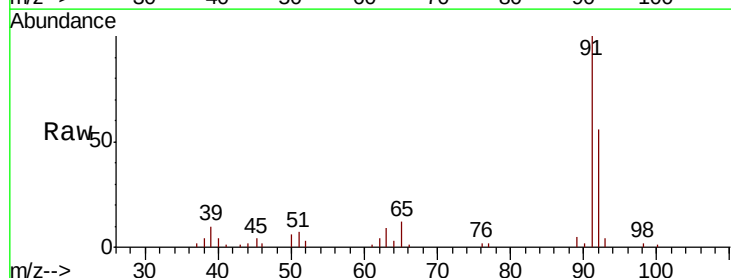
Instrument :
 MSVOA_U
 ClientSampleID :
 ETZ58

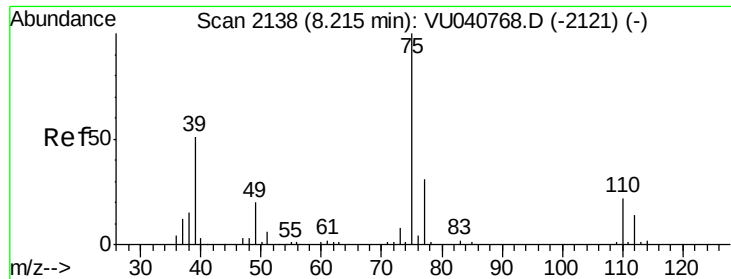
Tot Ion: 75 Resp: 1350
 Ion Ratio Lower Upper
 75 100
 77 60.3 20.5 38.1#



#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





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Instrument :

MSVOA_U

ClientSampleId :

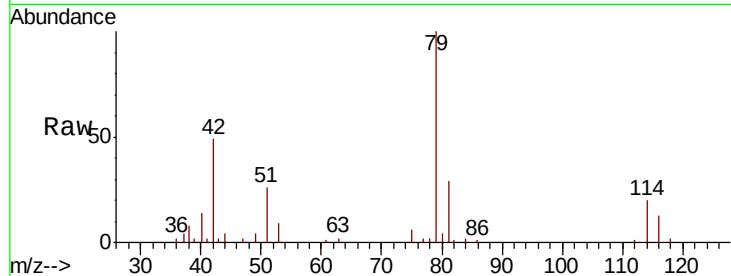
ETZ58

Tot Ion: 75 Resp: 965

Ion Ratio Lower Upper

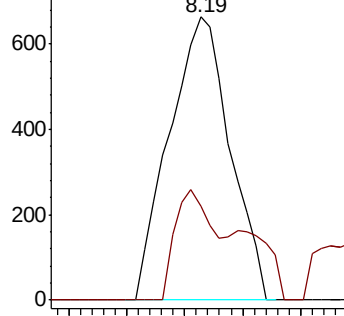
75 100

77 33.0 20.4 38.0

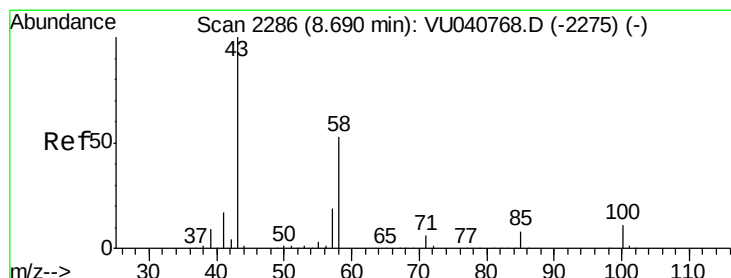
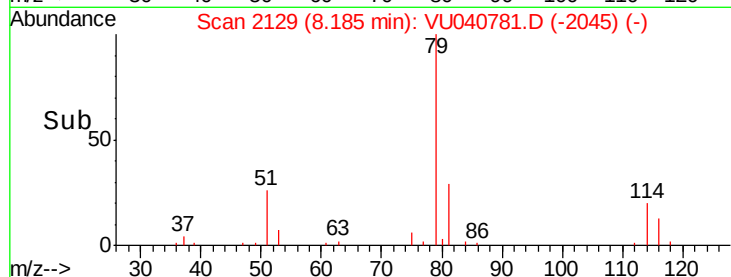


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time--> 8.14 8.16 8.18 8.20 8.22



#48

2-Hexanone

Concen: 3.291 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040781.D

Acq: 17 Oct 2020 23:09

Tgt Ion: 43 Resp: 20153

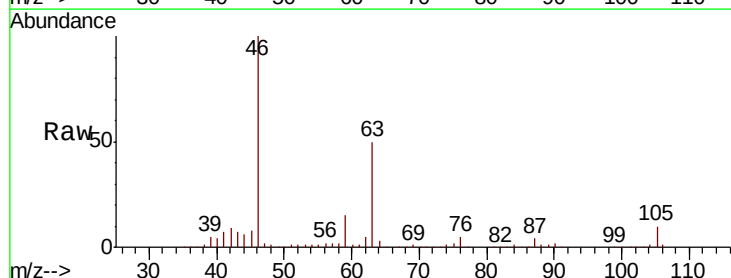
Ion Ratio Lower Upper

43 100

58 29.7 41.0 61.6#

57 25.3 14.4 21.6#

100 1.1 8.6 13.0#

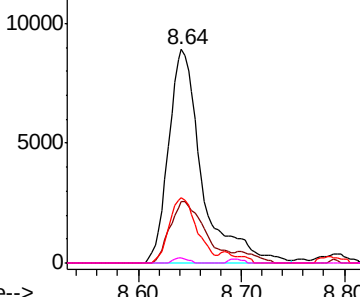


Abundance Ion 43.05 (42.75 to 43.75): VU0

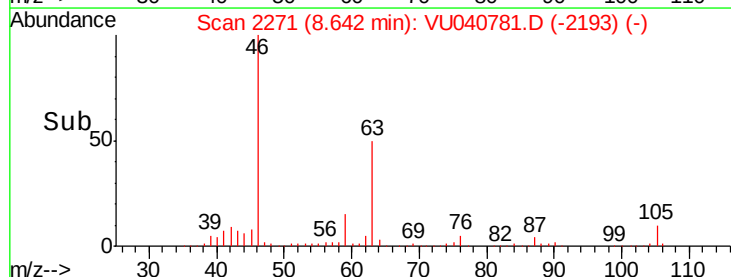
Ion 58.05 (57.75 to 58.75): VU0

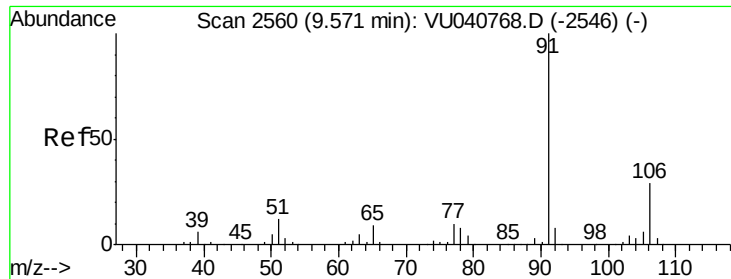
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



Time--> 8.60 8.64 8.68 8.72 8.76 8.80





#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 :

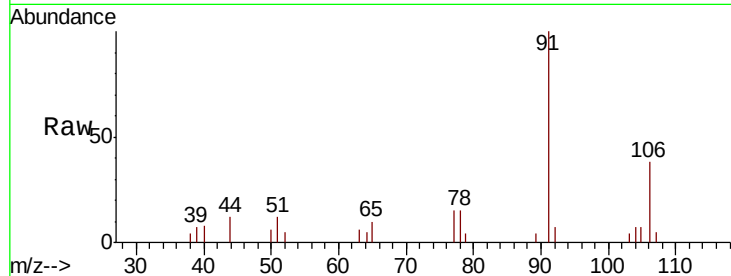
ETZ58

Tot Ion: 91 Resp: 4653

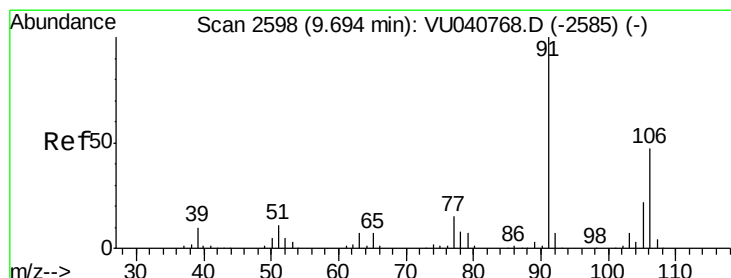
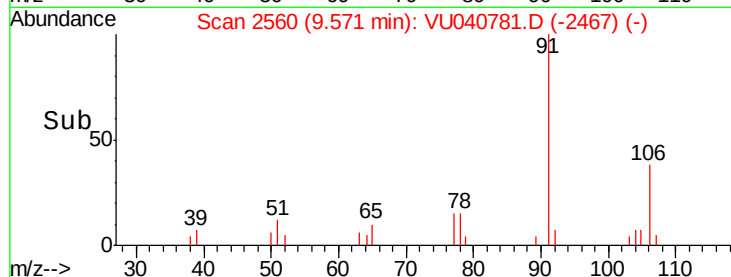
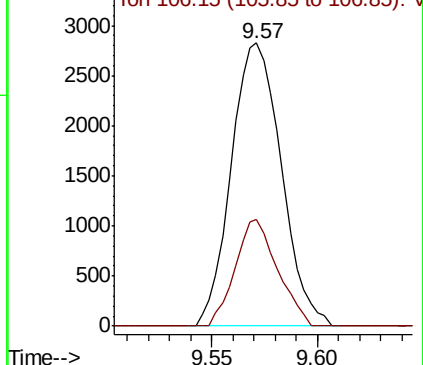
Ion Ratio Lower Upper

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

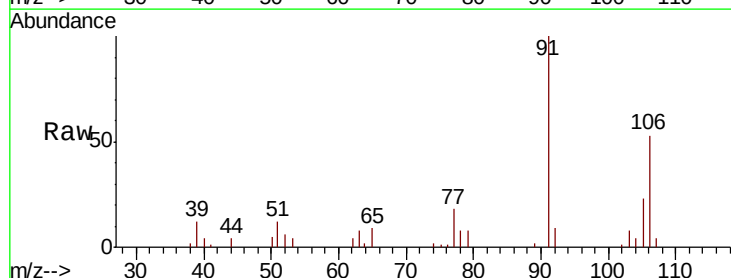
Acq: 17 Oct 2020 23:09

Tgt Ion: 106 Resp: 7346

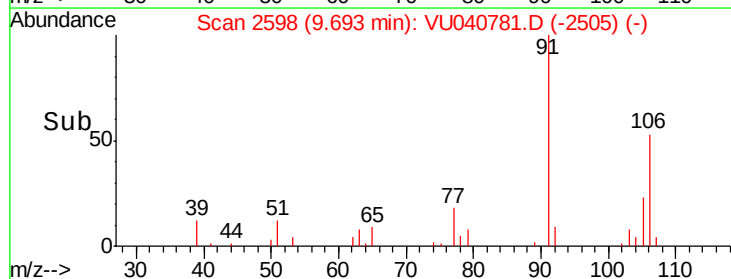
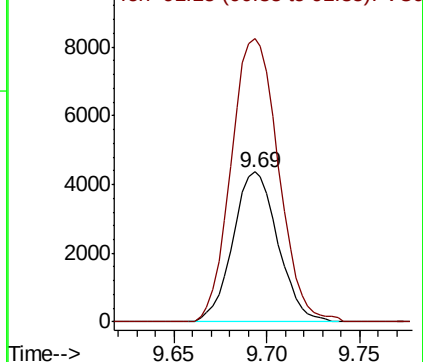
Ion Ratio Lower Upper

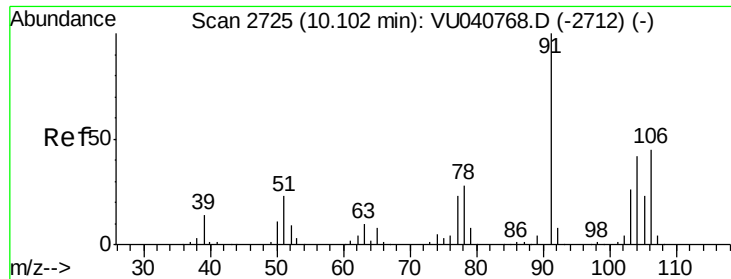
106 100

91 189.2 148.5 275.7



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

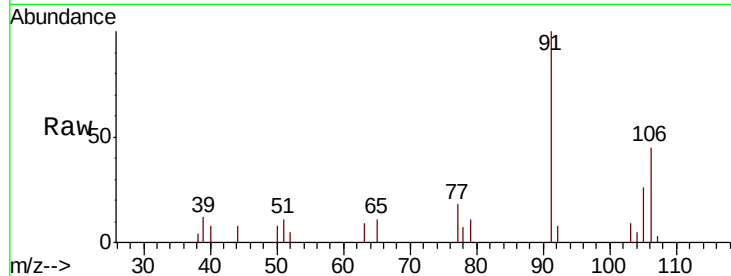




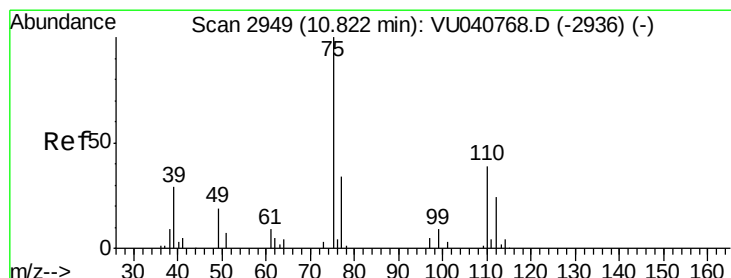
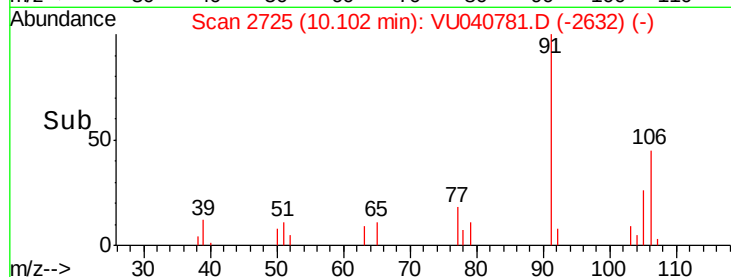
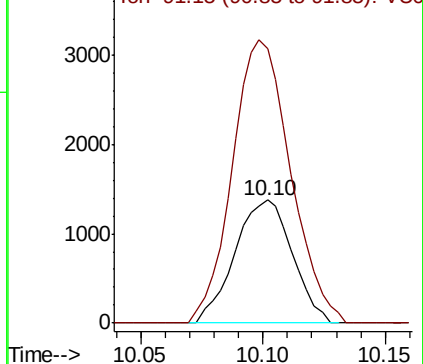
#54
o-Xylene
Concen: 0.157 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040781.D
Acq: 17 Oct 2020 23:09

Instrument :
MSVOA_U
ClientSampled :
ETZ58

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

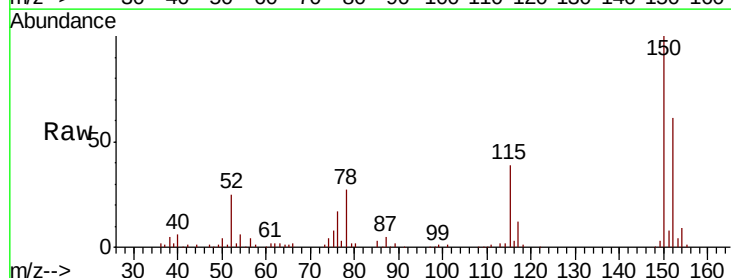


Abundance Ion 106.15 (105.85 to 106.85): VU040781.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU040781.D (-2632) (-)



#59
1,2,3-Trichloropropane
Concen: 0.826 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040781.D
Acq: 17 Oct 2020 23:09

Tgt Ion: 75 Resp: 6256
Ion Ratio Lower Upper
75 100
77 36.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040781.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU040781.D (-2327) (-)

