

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040853.D
 Acq On : 20 Oct 2020 17:33
 Operator : SY/MD
 Sample : L4428-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ45

Quant Time: Oct 21 01:17:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120874	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50753	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	109329	10.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	218.20%#
7) Chloroethane-d5	1.92	69	38460	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.58	63	84151	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.67	46	193826	60.47	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.94%
24) Chloroform-d	5.08	84	86304	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	53727	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	159509	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	55323	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.91	98	127949	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	21453	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.64	63	125190	52.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49080	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49492	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

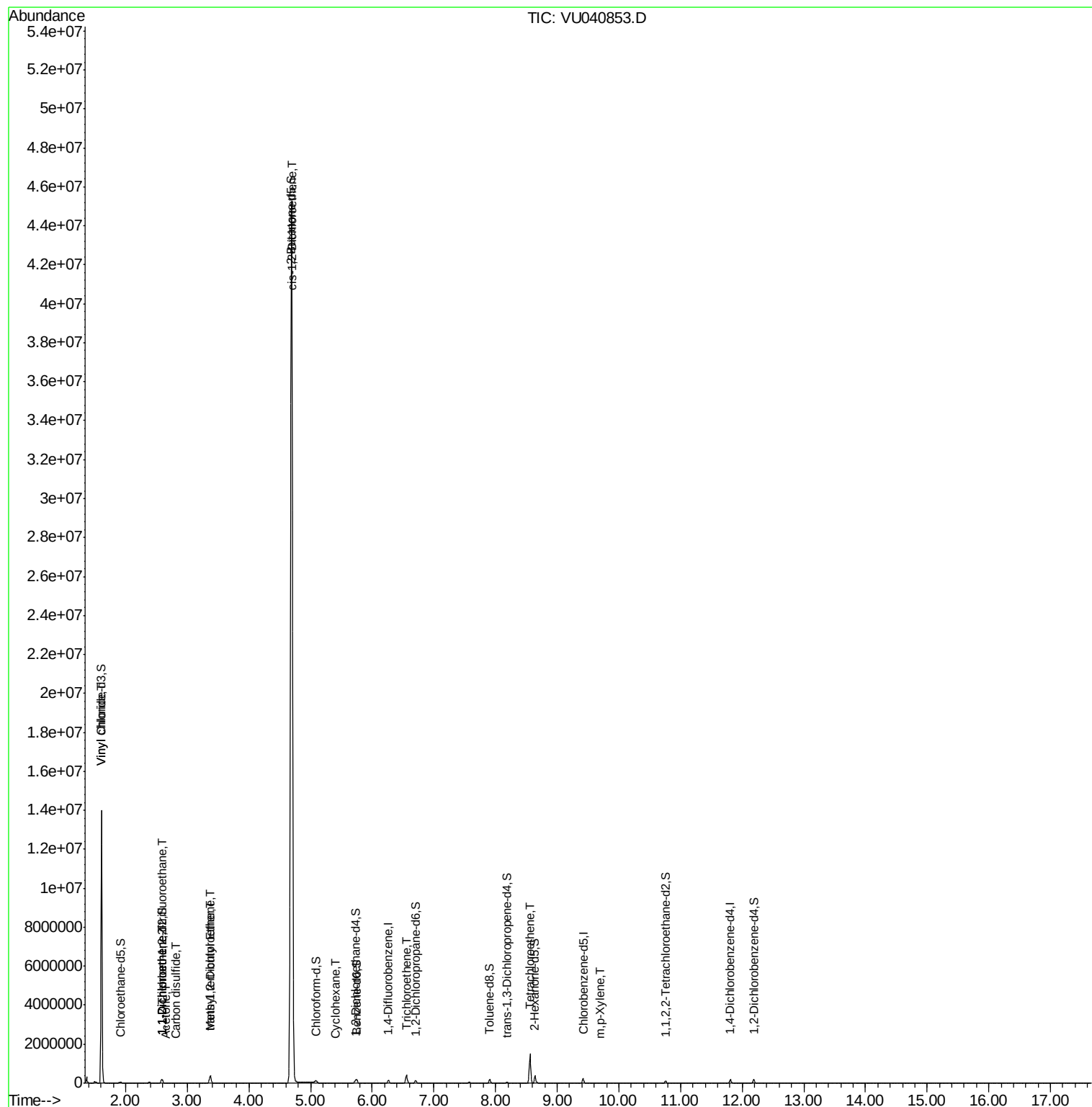
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	9143884	847.776	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1975	0.196	ug/L #	79
12) 1,1-Dichloroethene	2.59	96	36855	4.273	ug/L	91
13) Acetone	2.66	43	4004	1.612	ug/L	95
14) Carbon disulfide	2.82	76	11490	0.476	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	7540	0.309	ug/L #	91
18) trans-1,2-Dichloroethene	3.37	96	158964	17.608	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	20928478	2149.635	ug/L	65
30) Cyclohexane	5.41	56	1040	0.069	ug/L #	88
34) Trichloroethene	6.56	95	143828	14.170	ug/L	95
47) Tetrachloroethene	8.56	164	306351	42.303	ug/L	97
53) m,p-Xylene	9.69	106	1836	0.117	ug/L	62

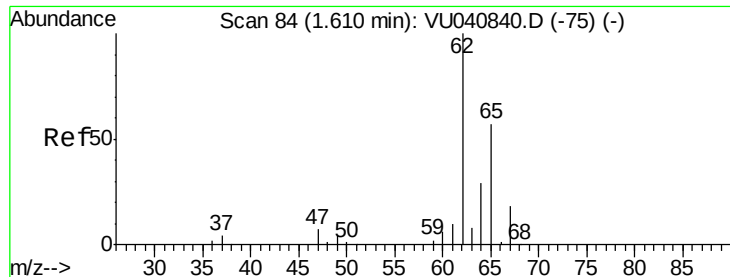
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 847.776 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

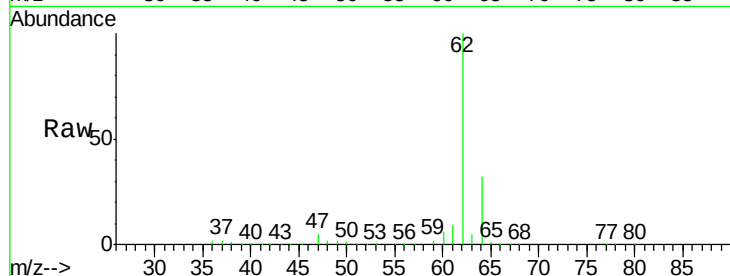
ETZ45

Tot Ion: 62 Resp: 9143884

Ion Ratio Lower Upper

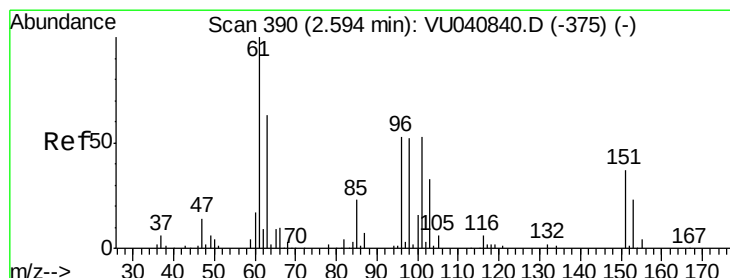
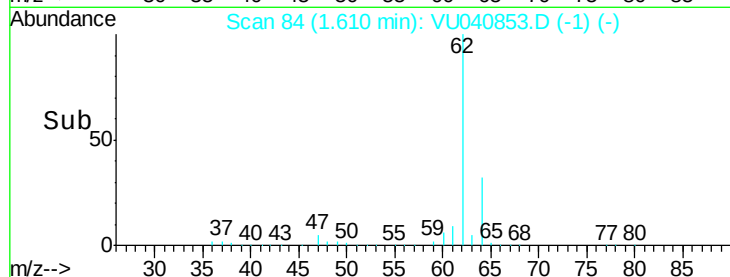
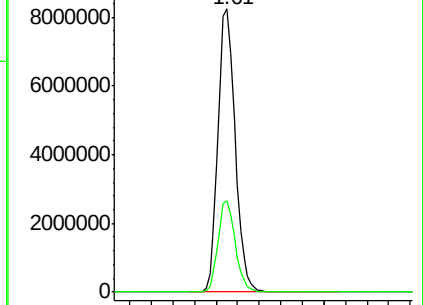
62 100

64 32.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040853.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU040853.D (-1) (-)



#10

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

Concen: 0.196 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

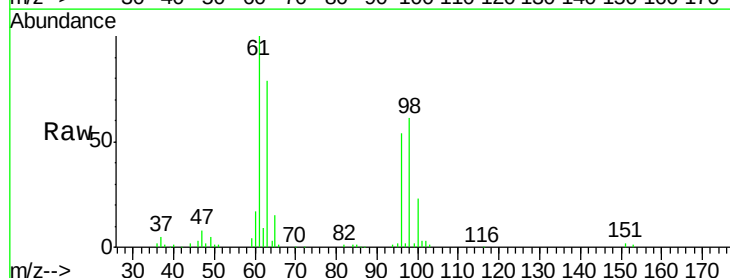
Tgt Ion:101 Resp: 1975

Ion Ratio Lower Upper

101 100

85 41.0 36.7 55.1

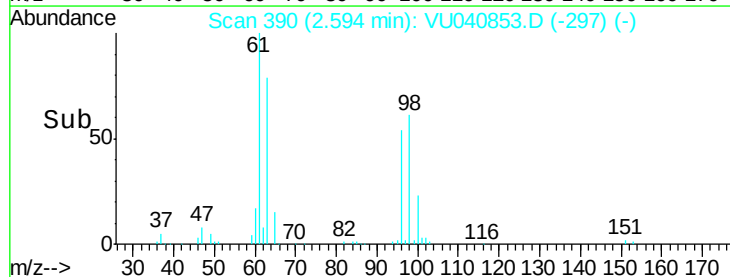
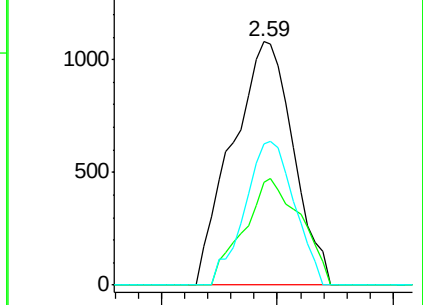
151 48.2 58.0 87.0#

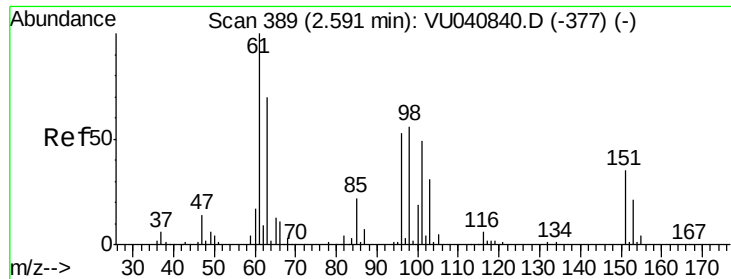


Abundance Ion 101.00 (100.70 to 101.70): VU040853.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040853.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040853.D (-297) (-)





#12

1,1-Dichloroethene

Concen: 4.273 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

ETZ45

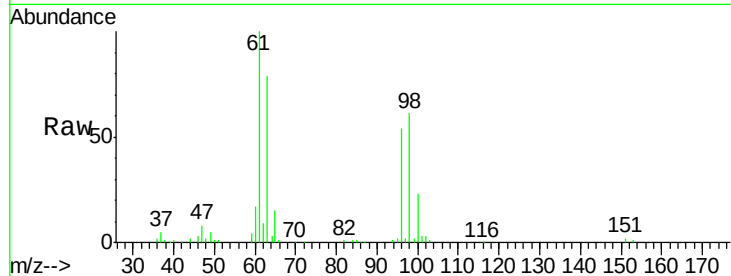
Tot Ion: 96 Resp: 36855

Ion Ratio Lower Upper

96 100

61 183.7 128.8 239.2

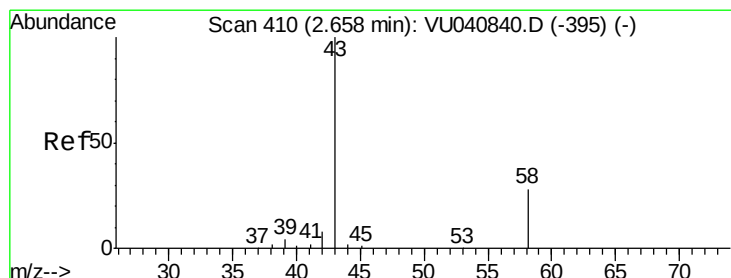
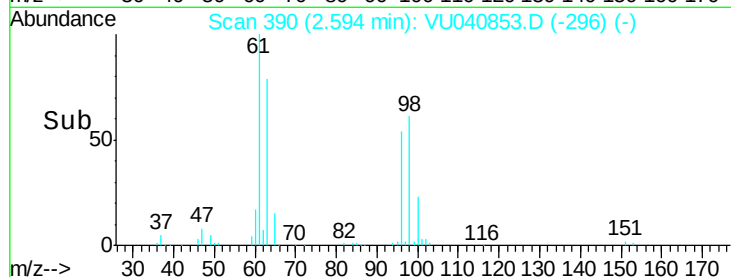
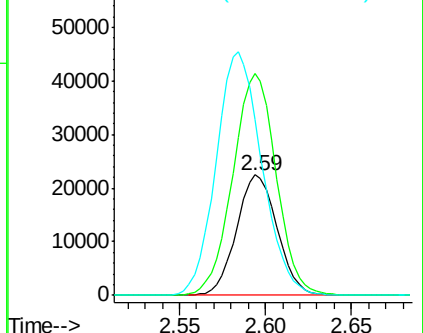
63 145.9 84.6 157.2



Abundance Ion 96.00 (95.70 to 96.70): VU040853.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040853.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040853.D (-296) (-)



#13

Acetone

Concen: 1.612 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040853.D

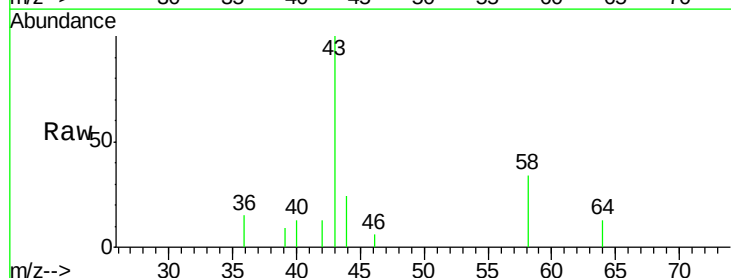
Acq: 20 Oct 2020 17:33

Tgt Ion: 43 Resp: 4004

Ion Ratio Lower Upper

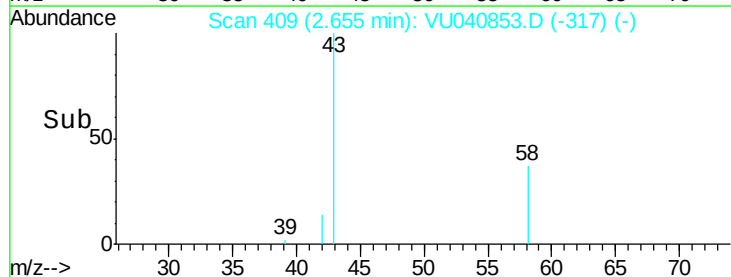
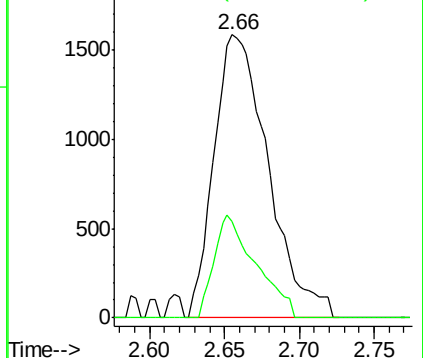
43 100

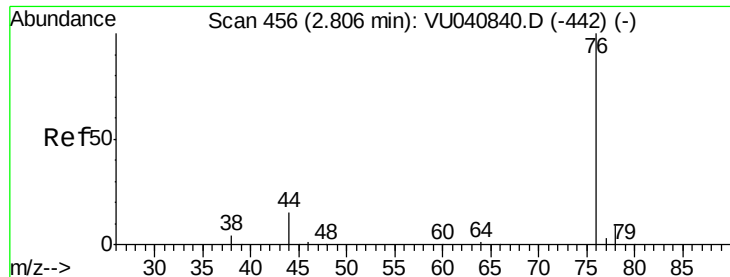
58 27.8 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040853.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040853.D (-317) (-)





#14

Carbon disulfide

Concen: 0.476 ug/L

RT: 2.82 min Scan# 459

Delta R.T. 0.01 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

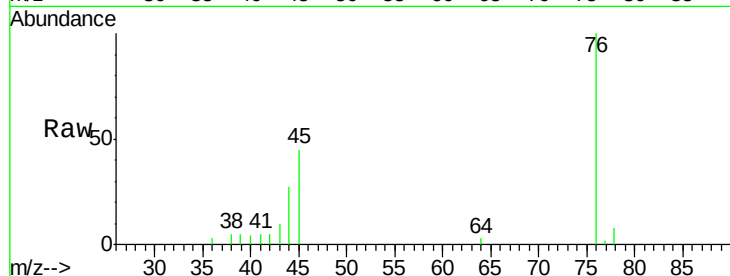
ETZ45

Tot Ion: 76 Resp: 11490

Ion Ratio Lower Upper

76 100

78 8.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040840.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040840.D (-442) (-)

2.82

4000

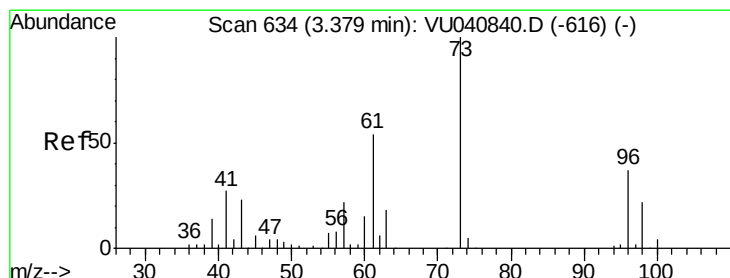
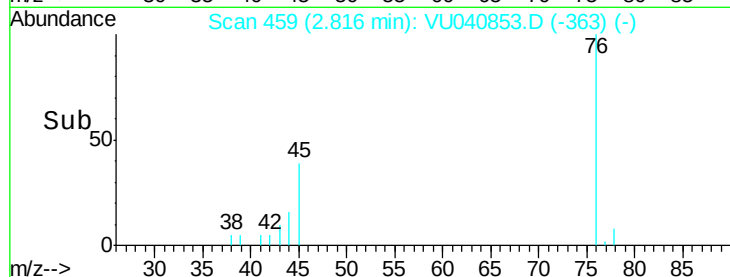
3000

2000

1000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.309 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

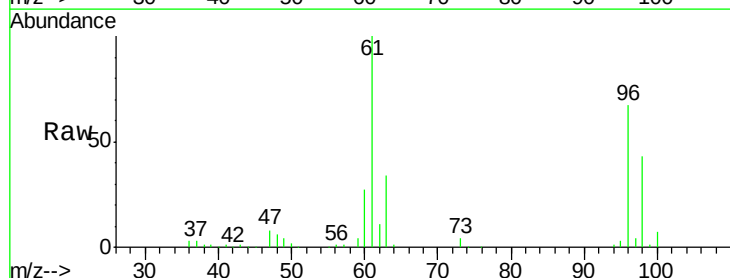
Tgt Ion: 73 Resp: 7540

Ion Ratio Lower Upper

73 100

43 25.2 18.2 27.4

57 29.5 18.6 28.0#



Abundance Ion 73.10 (72.80 to 73.80): VU040840.D (-616) (-)

Ion 43.05 (42.75 to 43.75): VU040840.D (-616) (-)

Ion 57.10 (56.80 to 57.80): VU040840.D (-616) (-)

3.38

4000

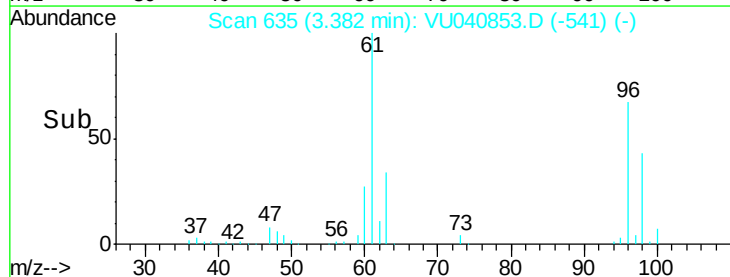
3000

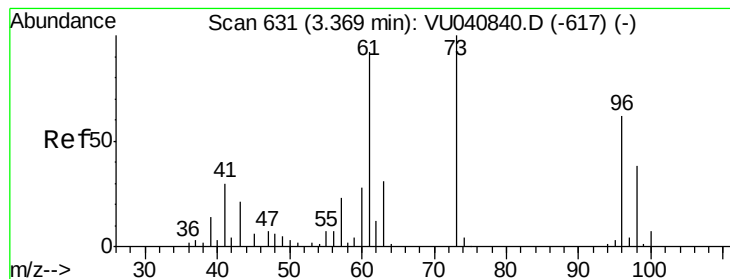
2000

1000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 17.608 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

ETZ45

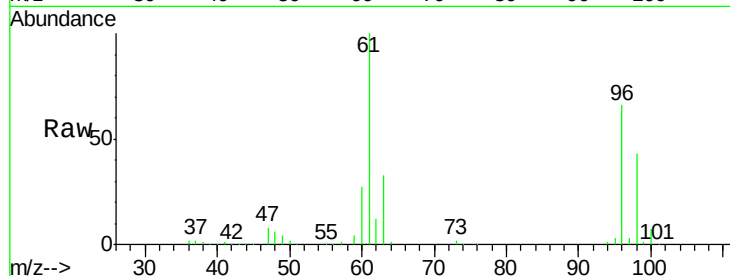
Tot Ion: 96 Resp: 158964

Ion Ratio Lower Upper

96 100

61 152.2 105.9 196.7

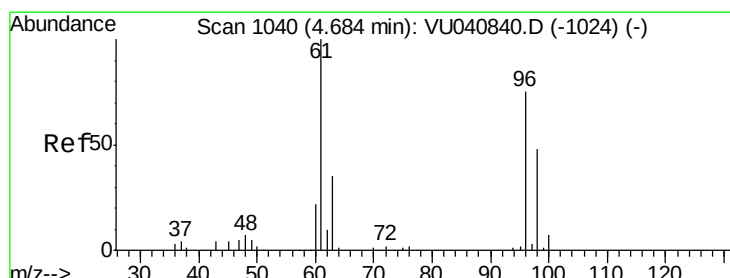
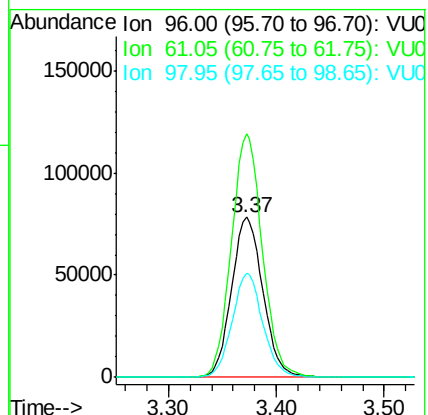
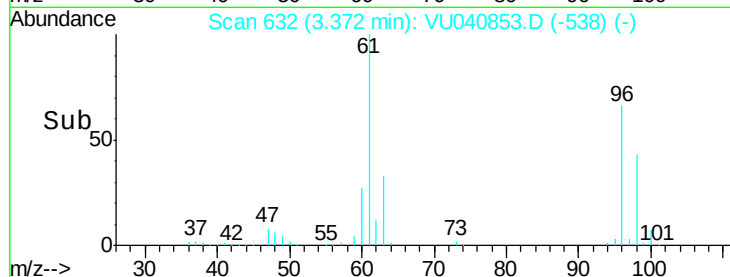
98 65.1 43.8 81.3



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



#22

cis-1,2-Dichloroethene

Concen: 2149.635 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

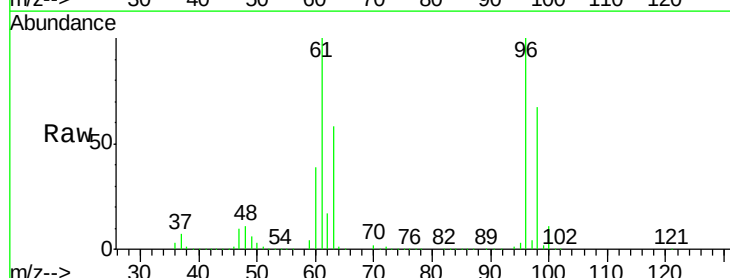
Tgt Ion: 96 Resp: 20928478

Ion Ratio Lower Upper

96 100

61 100.0 99.8 185.4

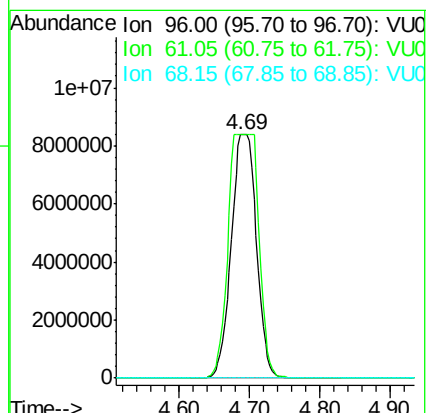
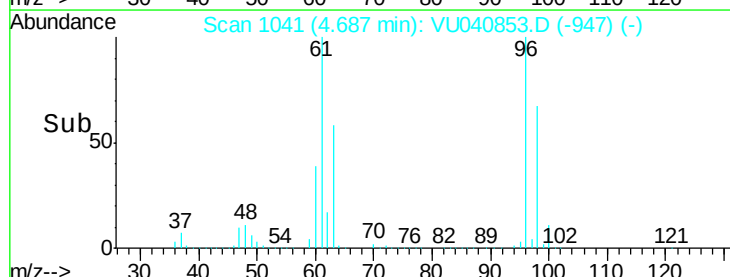
68 0.0 0.0 0.0

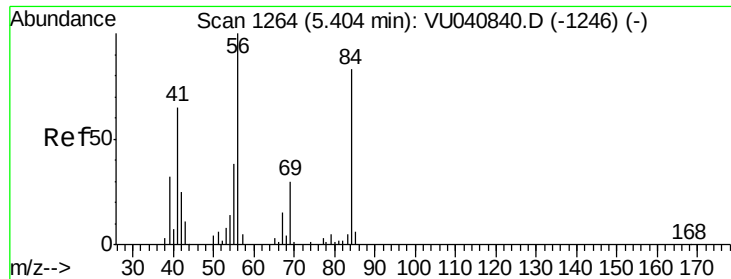


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

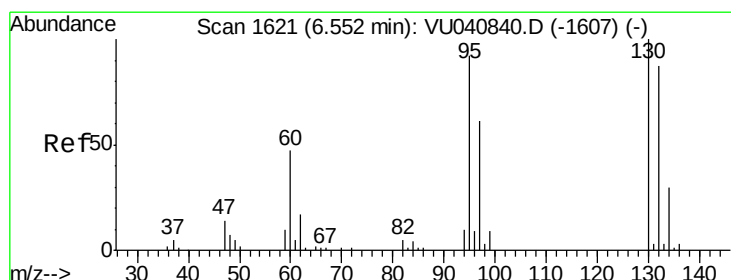
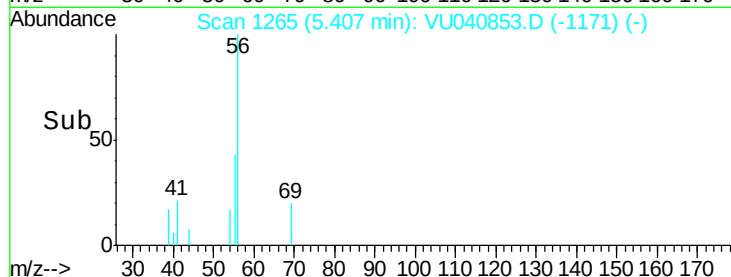
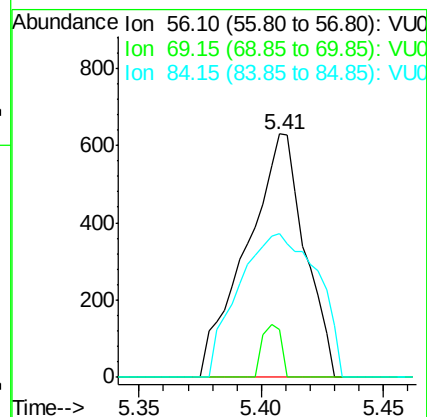
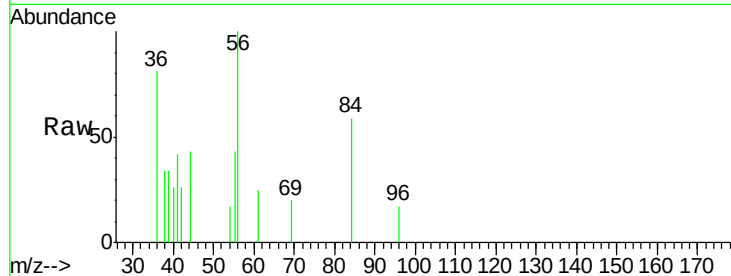




#30
Cyclohexane
Concen: 0.069 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040853.D
Acq: 20 Oct 2020 17:33

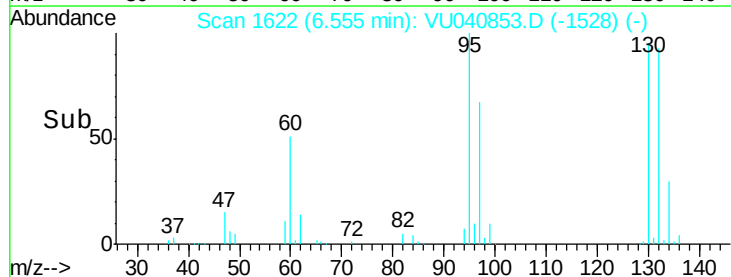
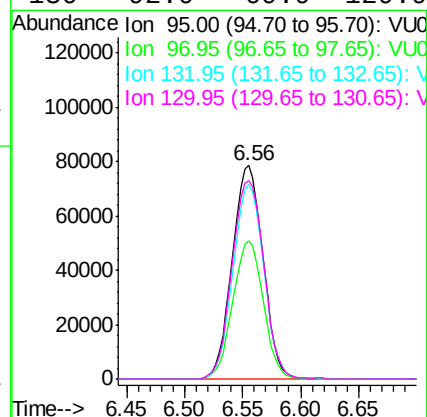
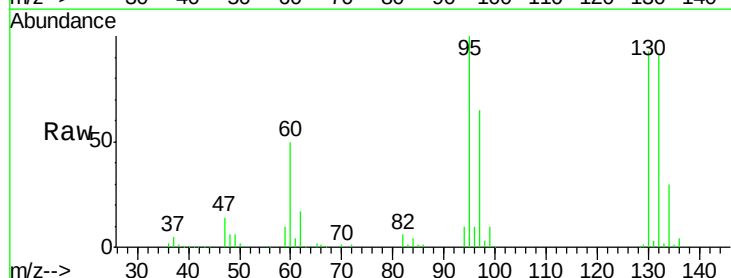
Instrument :
MSVOA_U
ClientSampleId :
ETZ45

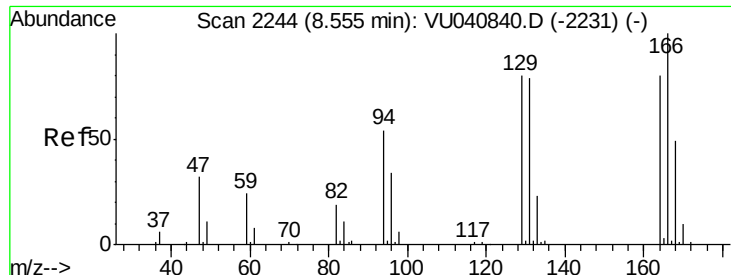
Tot Ion: 56 Resp: 1040
Ion Ratio Lower Upper
56 100
69 6.9 23.8 35.8#
84 80.1 64.0 96.0



#34
Trichloroethene
Concen: 14.170 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040853.D
Acq: 20 Oct 2020 17:33

Tgt Ion: 95 Resp: 143828
Ion Ratio Lower Upper
95 100
97 65.0 45.5 84.5
132 91.1 67.5 125.4
130 92.9 69.9 129.9





#47

Tetrachloroethene

Concen: 42.303 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040853.D

Acq: 20 Oct 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

ETZ45

Tot Ion:164 Resp: 306351

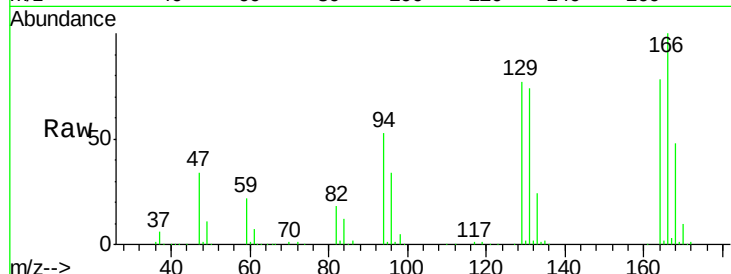
Ion Ratio Lower Upper

164 100

129 99.0 68.8 127.8

131 95.2 66.7 123.9

166 127.8 83.9 155.7

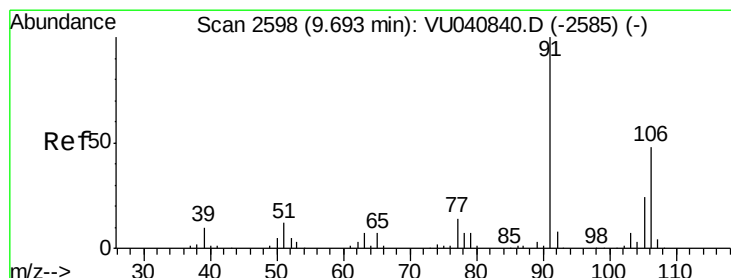
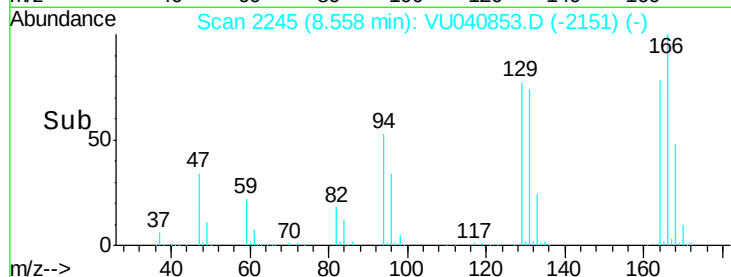
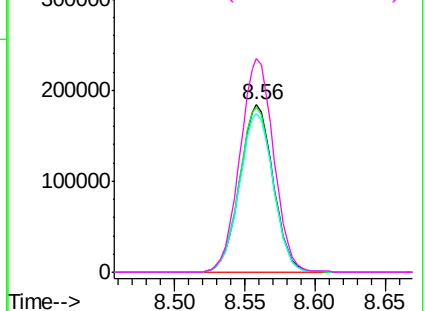


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

m,p-Xylene

Concen: 0.117 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040853.D

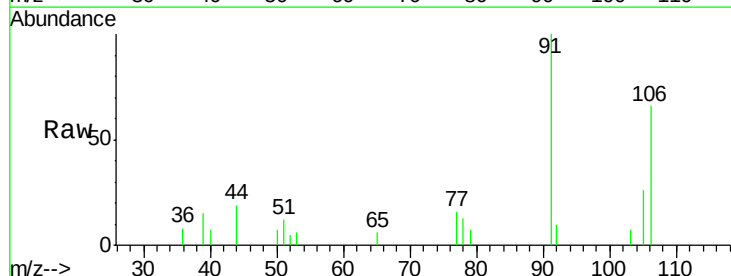
Acq: 20 Oct 2020 17:33

Tgt Ion:106 Resp: 1836

Ion Ratio Lower Upper

106 100

91 151.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

