

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040860.D
 Acq On : 20 Oct 2020 20:16
 Operator : SY/MD
 Sample : L4428-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ51

Quant Time: Oct 21 02:31:36 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	102795	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103496	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63245	7.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	148.40%#
7) Chloroethane-d5	1.92	69	36217	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.58	63	64831	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.66	46	168693	61.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.78%
24) Chloroform-d	5.08	84	84688	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.72	65	51498	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.74	84	153290	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.70	67	51978	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.91	98	121131	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.19	79	19196	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.64	63	114830	56.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46991	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48863	6.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.80%#

Target Compounds

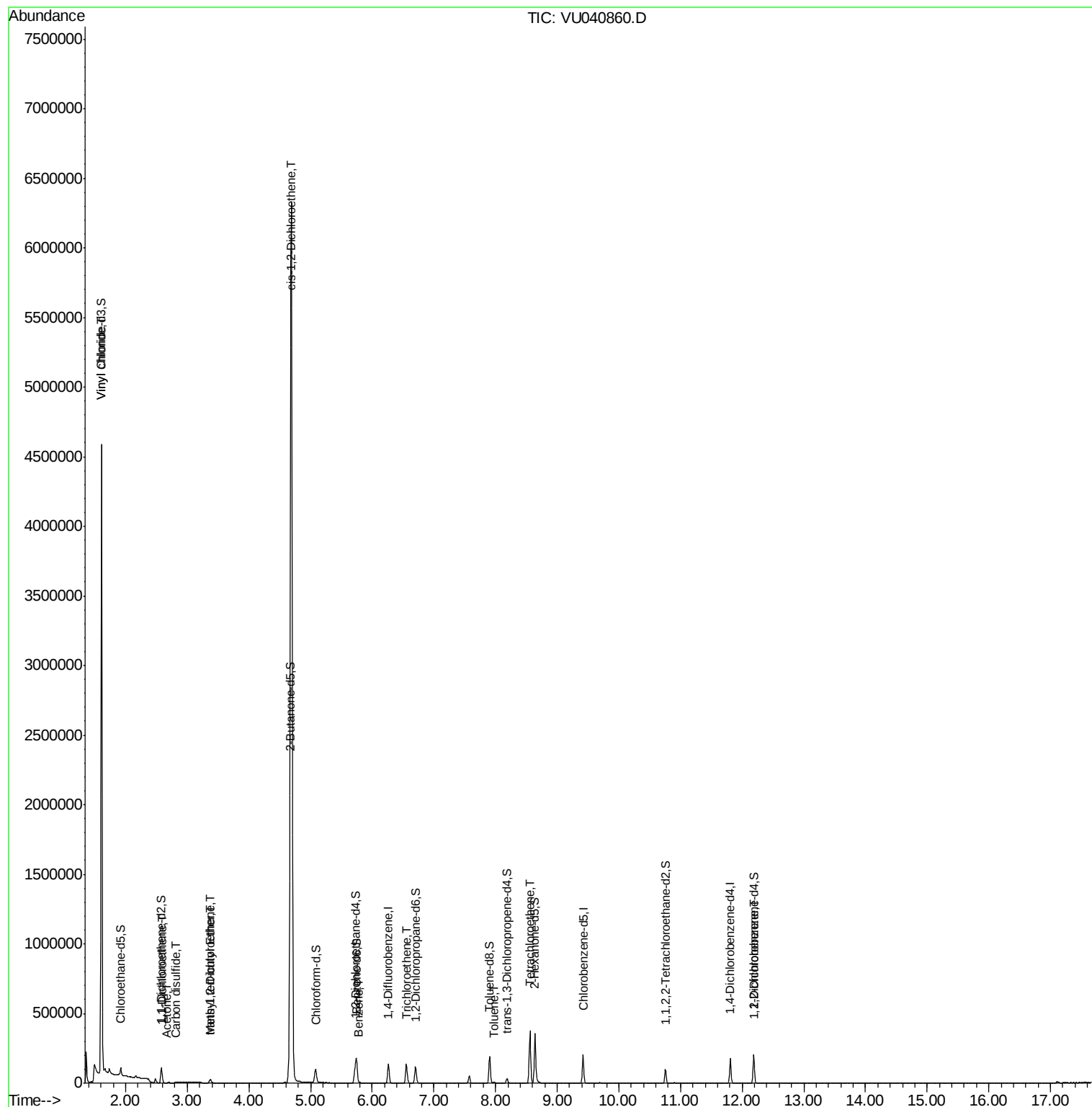
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2857773	311.558	ug/L	99
12) 1,1-Dichloroethene	2.60	96	4956	0.676	ug/L #	1
13) Acetone	2.66	43	2746	1.300	ug/L	86
14) Carbon disulfide	2.81	76	8529	0.415	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	4803	0.232	ug/L #	90
18) trans-1,2-Dichloroethene	3.37	96	7371	0.960	ug/L	91
22) cis-1,2-Dichloroethene	4.69	96	3037427	366.854	ug/L	99
33) Benzene	5.79	78	3364	0.101	ug/L	100
34) Trichloroethene	6.56	95	45097	5.232	ug/L	97
42) Toluene	7.98	91	3408	0.101	ug/L	100
47) Tetrachloroethene	8.56	164	77140	12.545	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	2150	0.156	ug/L #	80

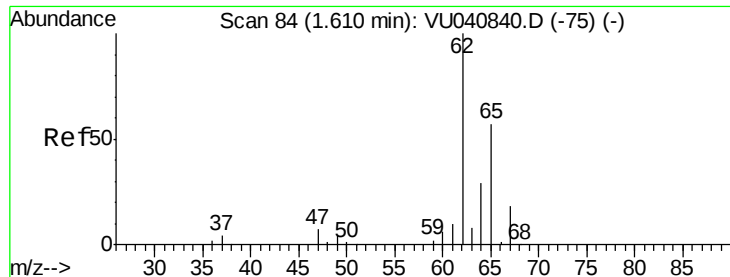
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 311.558 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

Instrument :

MSVOA_U

ClientSampleID :

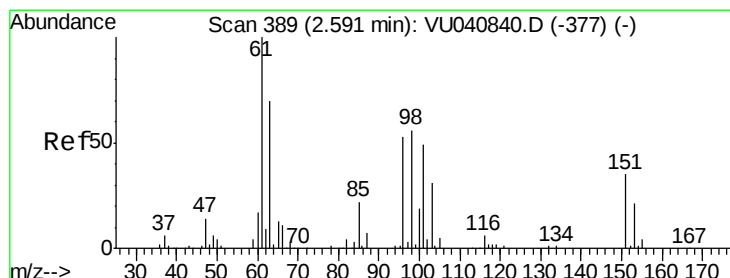
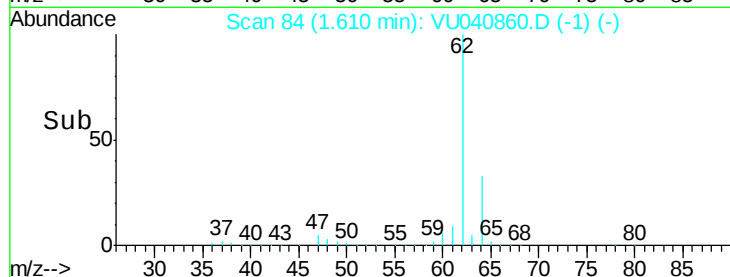
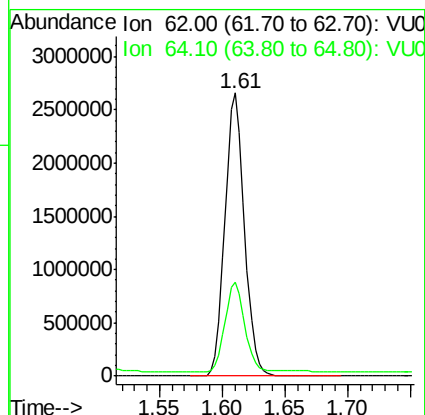
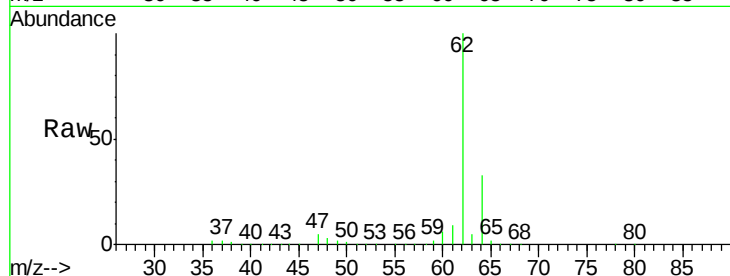
ETZ51

Tot Ion: 62 Resp: 2857773

Ion Ratio Lower Upper

62 100

64 33.4 23.7 44.1



#12

1,1-Dichloroethene

Concen: 0.676 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.01 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

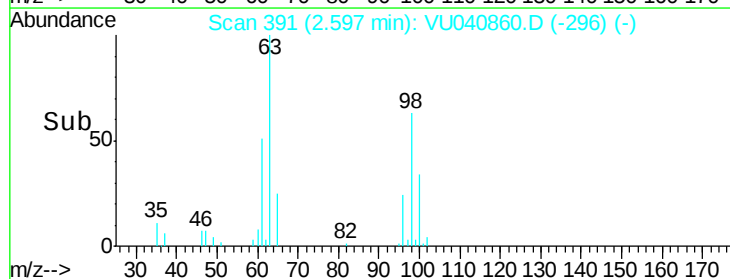
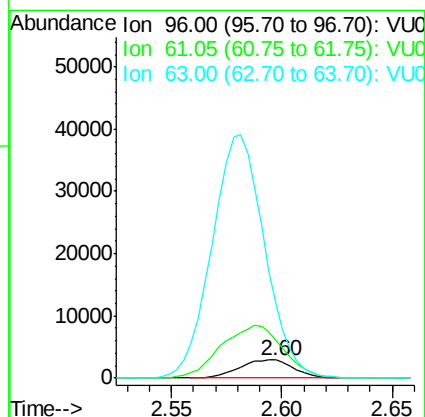
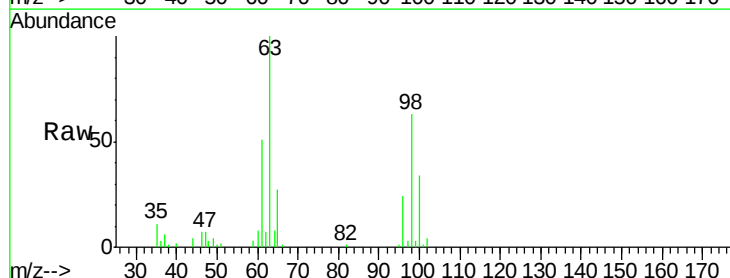
Tgt Ion: 96 Resp: 4956

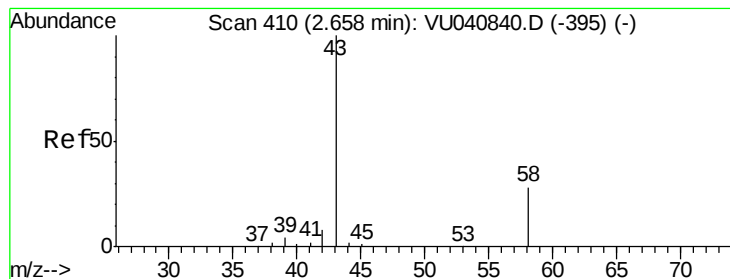
Ion Ratio Lower Upper

96 100

61 211.0 128.8 239.2

63 410.7 84.6 157.2#





#13

Acetone

Concen: 1.300 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

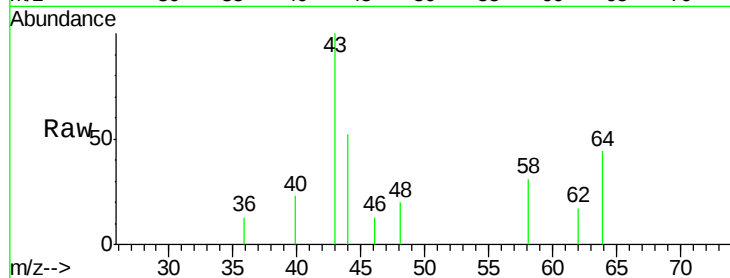
ETZ51

Tot Ion: 43 Resp: 2746

Ion Ratio Lower Upper

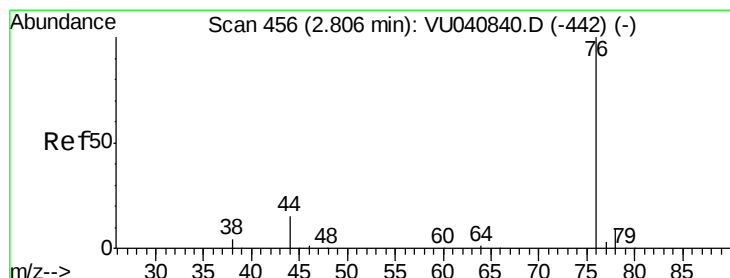
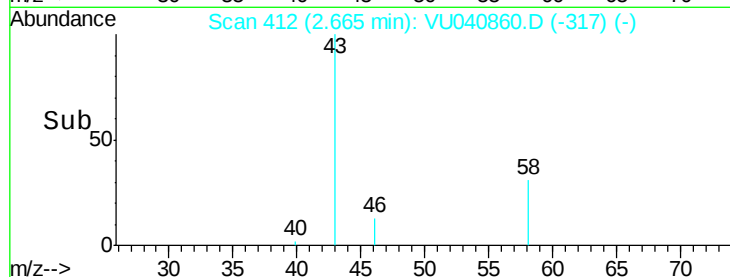
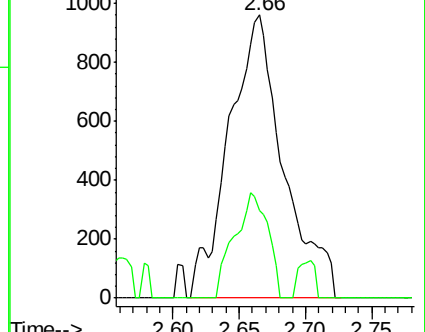
43 100

58 22.8 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040860.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040860.D (-317) (-)



#14

Carbon disulfide

Concen: 0.415 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040860.D

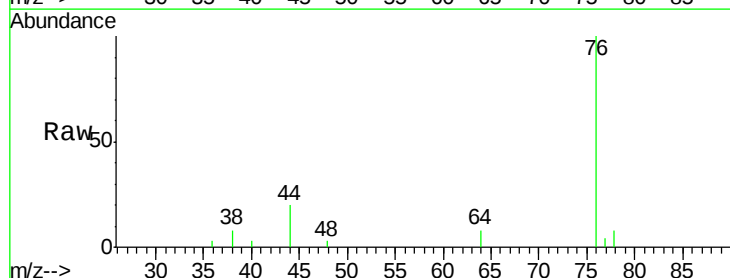
Acq: 20 Oct 2020 20:16

Tgt Ion: 76 Resp: 8529

Ion Ratio Lower Upper

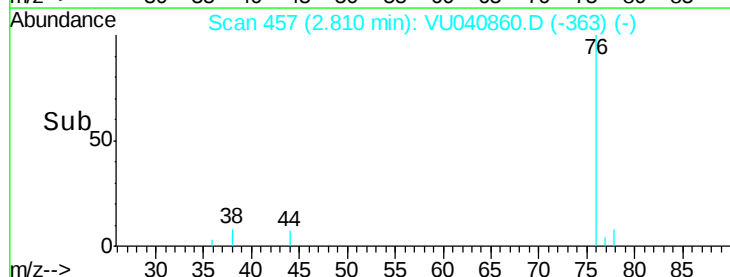
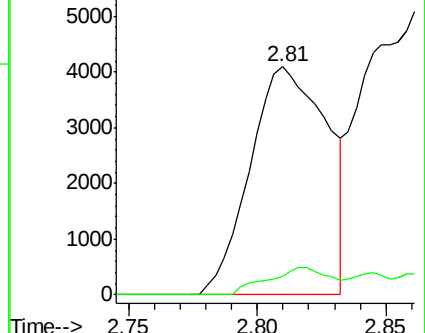
76 100

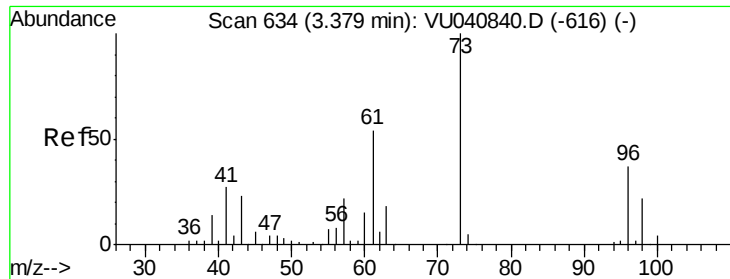
78 8.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040860.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040860.D (-363) (-)

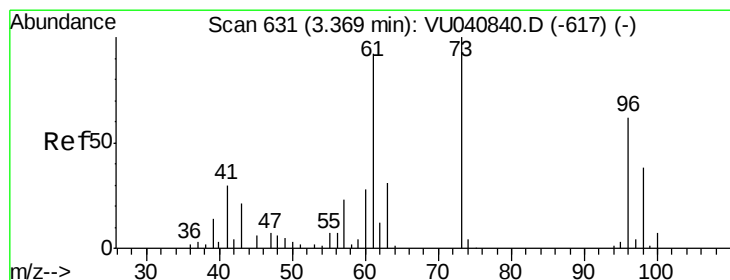
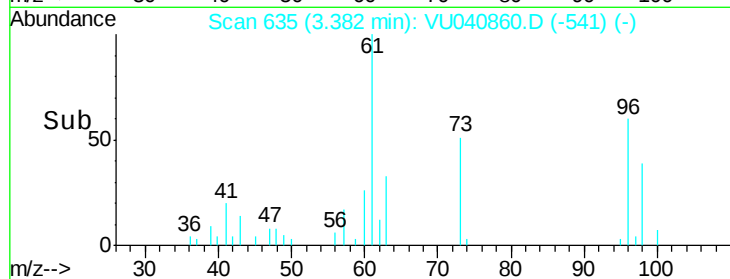
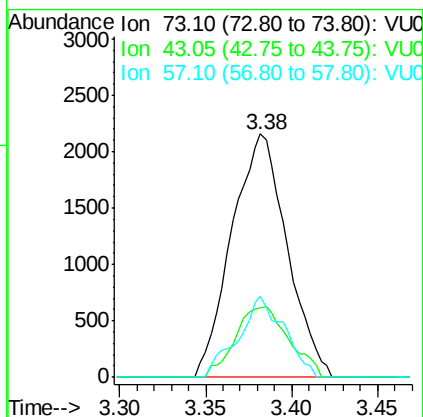
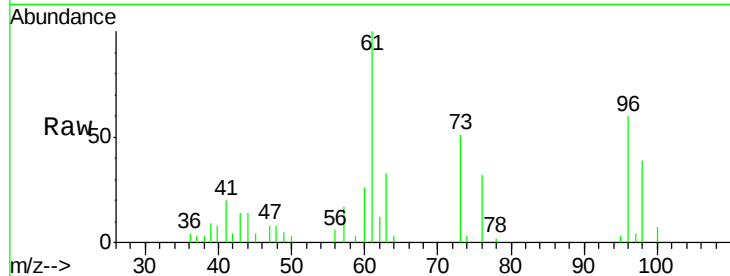




#17
Methvl tert-butvl Ether
Concen: 0.232 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040860.D
Acq: 20 Oct 2020 20:16

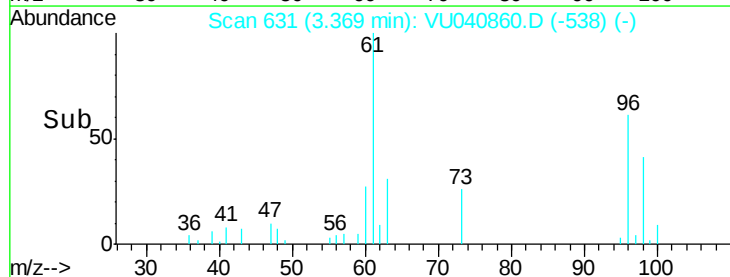
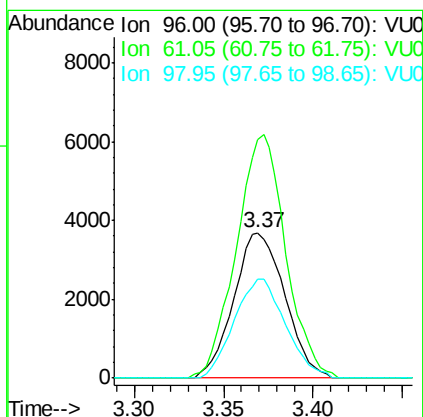
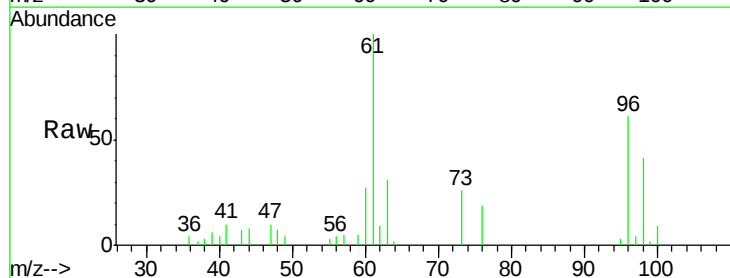
Instrument :
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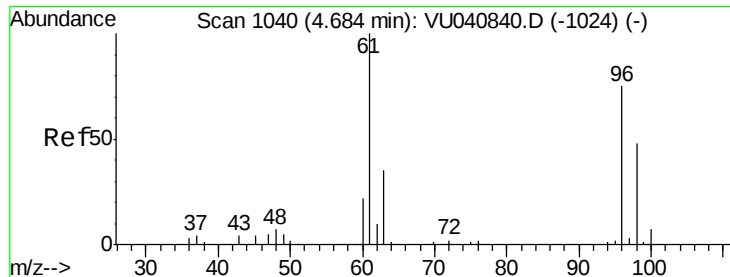
Tot Ion: 73 Resp: 4803
Ion Ratio Lower Upper
73 100
43 28.1 18.2 27.4#
57 27.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.960 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040860.D
Acq: 20 Oct 2020 20:16

Tgt Ion: 96 Resp: 7371
Ion Ratio Lower Upper
96 100
61 163.9 105.9 196.7
98 67.7 43.8 81.3





#22

cis-1,2-Dichloroethene

Concen: 366.854 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

ETZ51

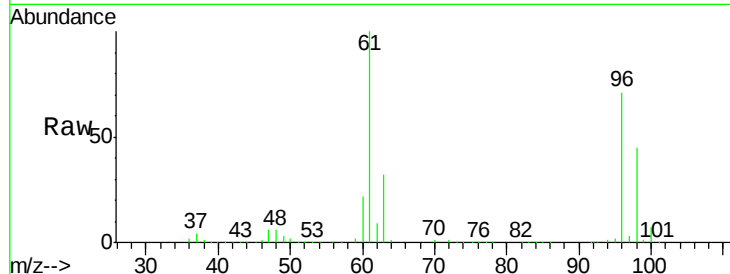
Tot Ion: 96 Resp: 3037427

Ion Ratio Lower Upper

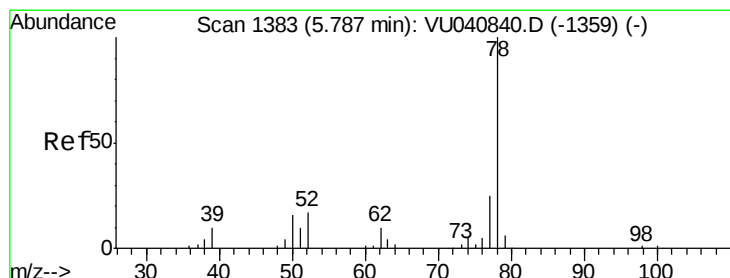
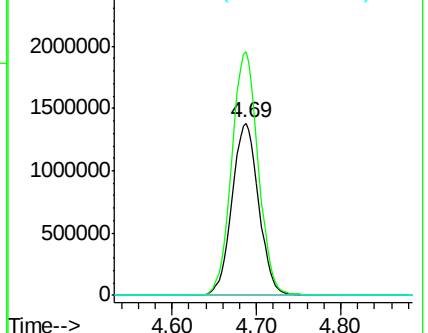
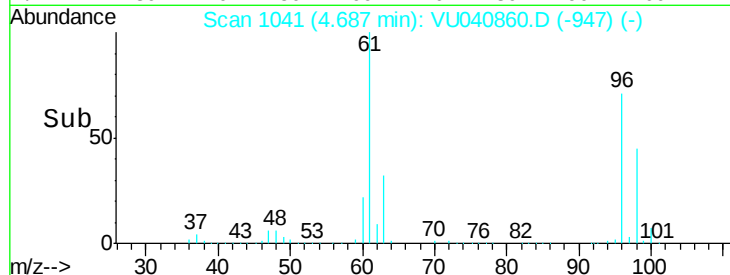
96 100

61 141.5 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040860.D (-947) (-)



#33

Benzene

Concen: 0.101 ug/L

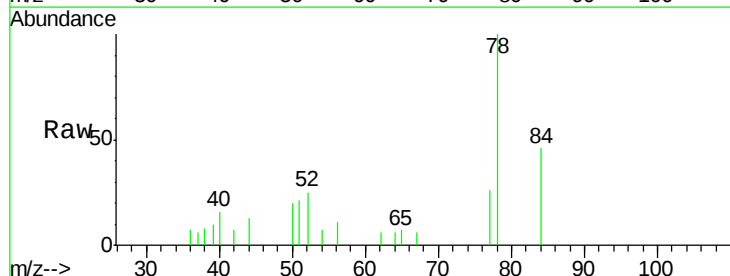
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

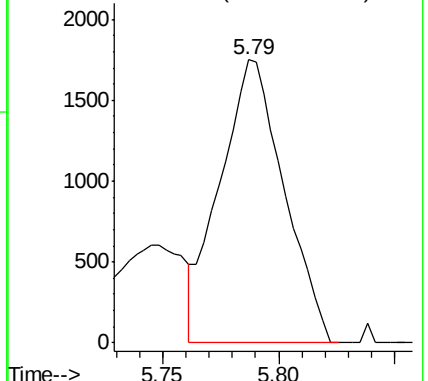
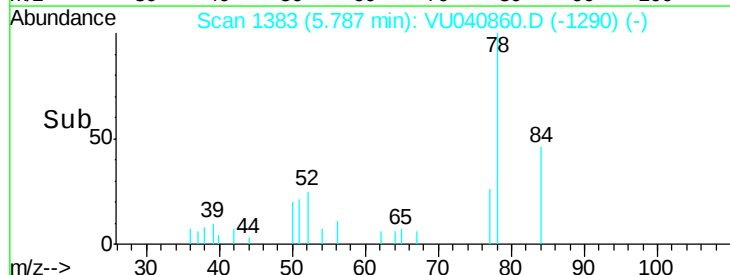
Lab File: VU040860.D

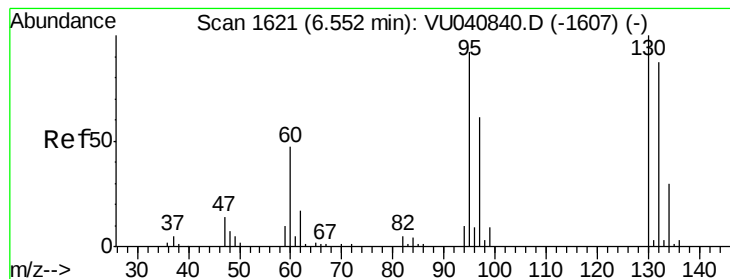
Acq: 20 Oct 2020 20:16

Tgt Ion: 78 Resp: 3364



Abundance Ion 78.10 (77.80 to 78.80): VU040860.D (-1290) (-)





#34

Trichloroethene

Concen: 5.232 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

Instrument :

MSVOA_U

ClientSampleId :

ETZ51

Tot Ion: 95 Resp: 45097

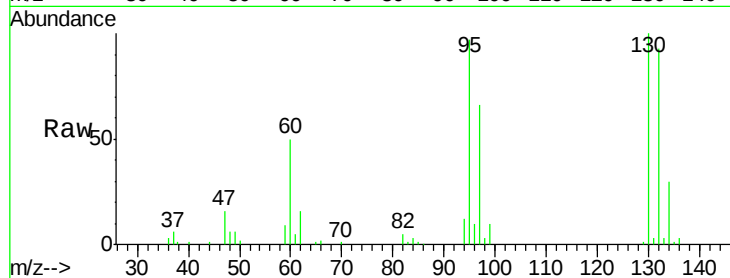
Ion Ratio Lower Upper

95 100

97 68.3 45.5 84.5

132 95.7 67.5 125.4

130 103.4 69.9 129.9

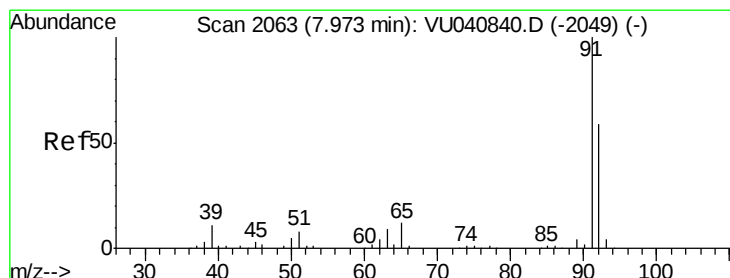
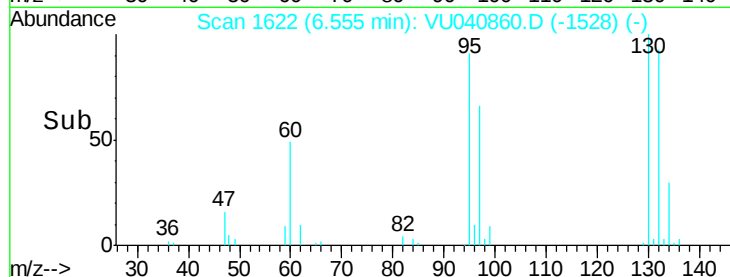
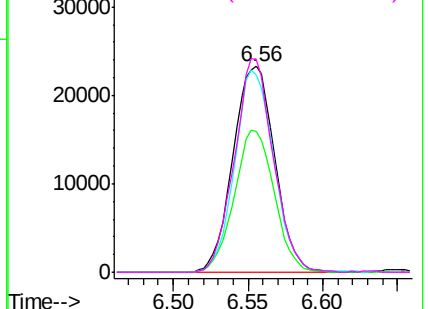


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 0.101 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040860.D

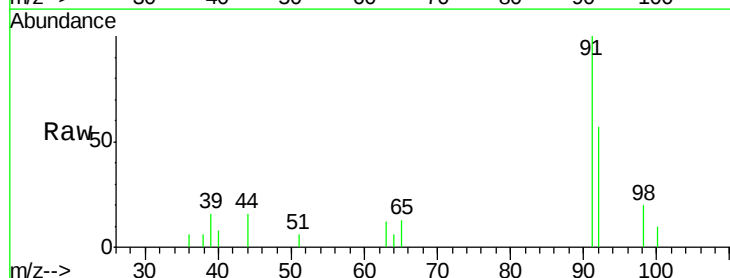
Acq: 20 Oct 2020 20:16

Tgt Ion: 91 Resp: 3408

Ion Ratio Lower Upper

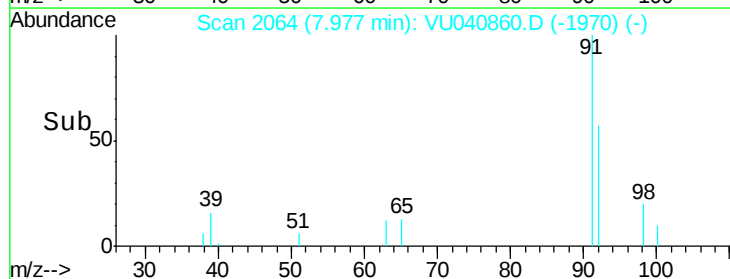
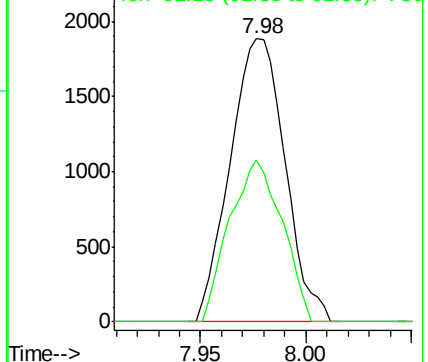
91 100

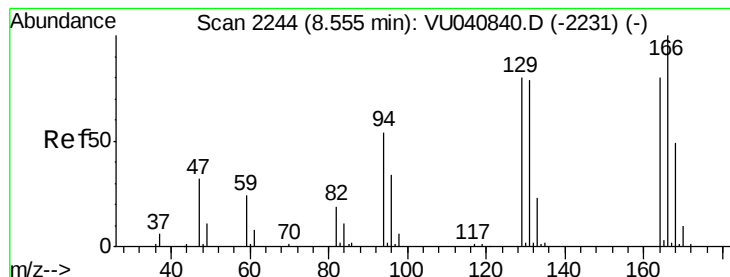
92 57.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 12.545 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

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Tot Ion:164 Resp: 77140

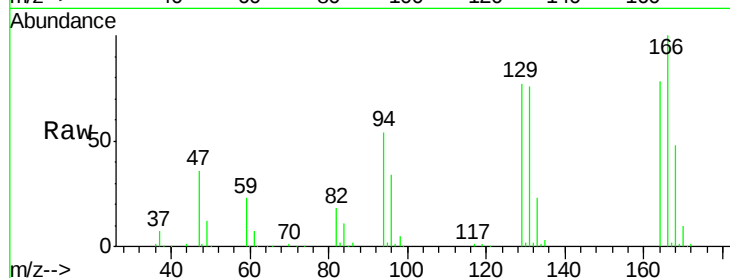
Ion Ratio Lower Upper

164 100

129 98.5 68.8 127.8

131 96.7 66.7 123.9

166 127.4 83.9 155.7

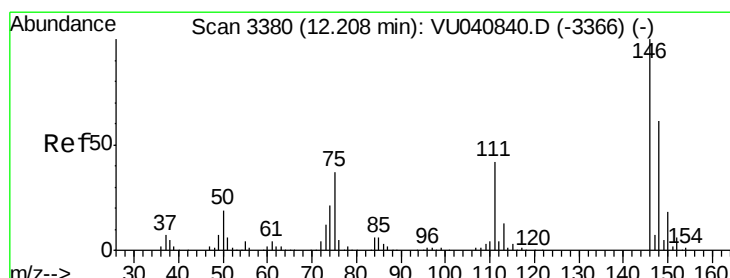
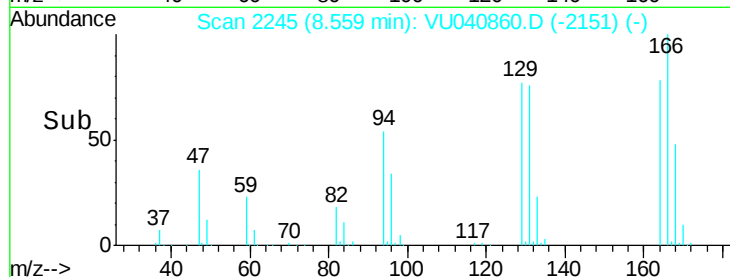
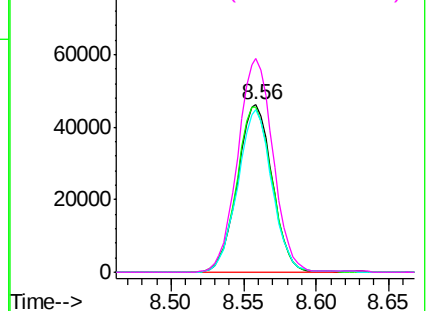


Abundance Ion 163.90 (163.60 to 164.60): V

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



#65

1,2-Dichlorobenzene

Concen: 0.156 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040860.D

Acq: 20 Oct 2020 20:16

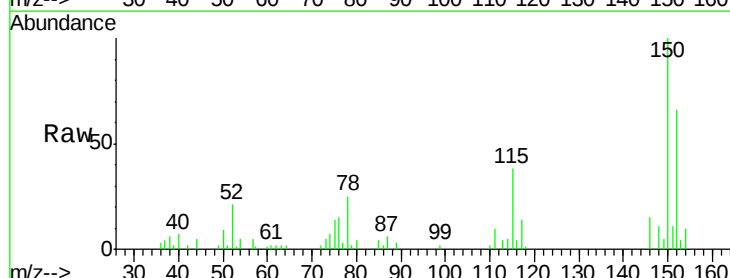
Tgt Ion:146 Resp: 2150

Ion Ratio Lower Upper

146 100

111 65.8 34.4 51.6#

148 69.7 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

