

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040826.D
 Acq On : 20 Oct 2020 00:14
 Operator : SY/MD
 Sample : L4420-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK4

Quant Time: Oct 20 06:07:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115012	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121077	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27276	2.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.20%
7) Chloroethane-d5	1.92	69	28100	3.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.40%
11) 1,1-Dichloroethene-d2	2.59	63	89400	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.66	46	174446	57.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.40%
24) Chloroform-d	5.08	84	79261	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	50696	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	132527	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.70	67	50466	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.91	98	97750	3.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.80%#
43) trans-1,3-Dichloropropene-	8.19	79	17949	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	118958	50.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47989	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44946	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

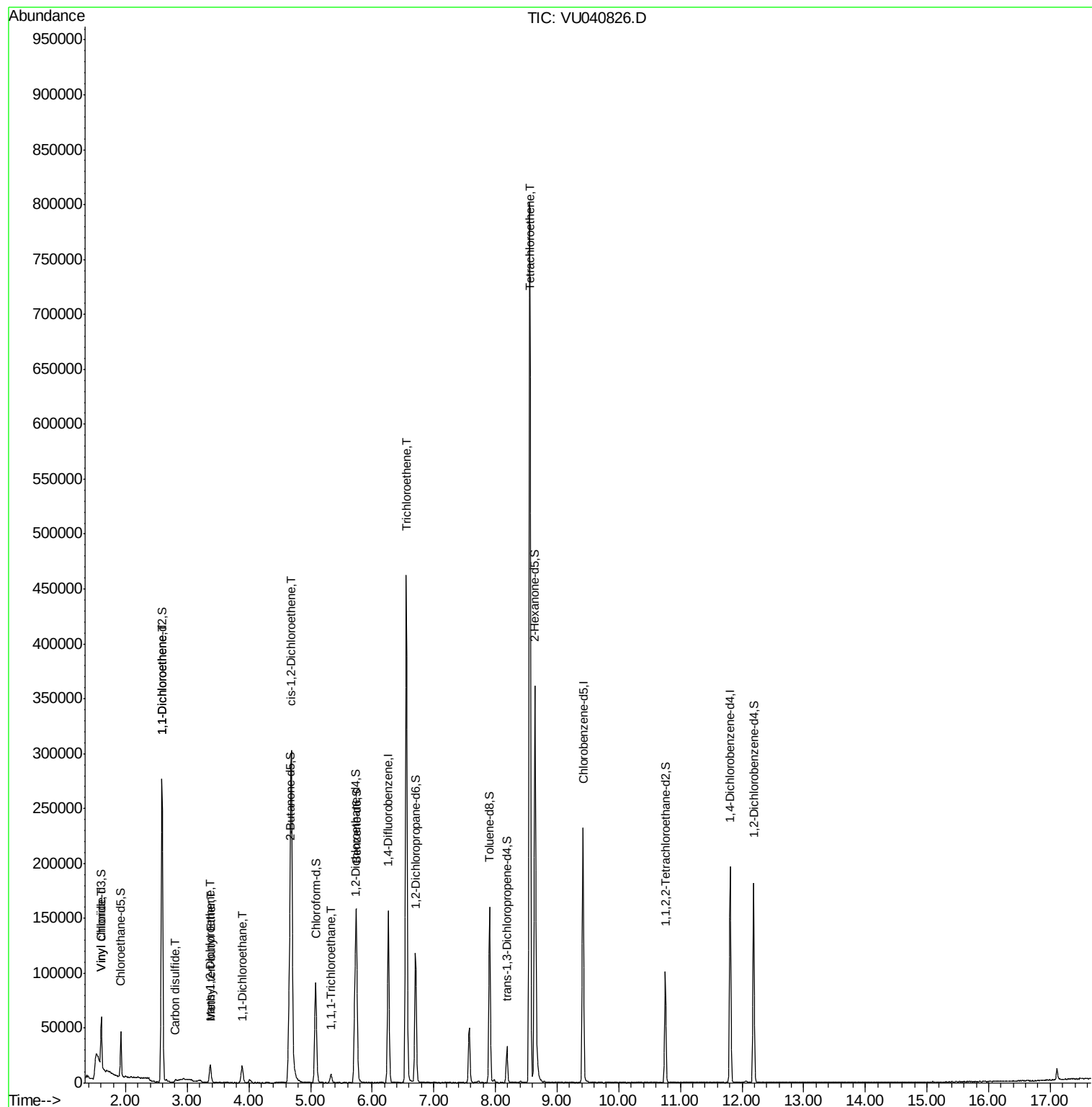
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2912	0.284	ug/L #	1
12) 1,1-Dichloroethene	2.59	96	76556	9.329	ug/L #	85
14) Carbon disulfide	2.81	76	2810	0.122	ug/L #	94
17) Methyl tert-butyl Ether	3.39	73	4163	0.179	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	5371	0.625	ug/L	99
19) 1,1-Dichloroethane	3.89	63	17762	1.000	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	129282	13.956	ug/L	95
29) 1,1,1-Trichloroethane	5.33	97	5211	0.320	ug/L	98
34) Trichloroethene	6.56	95	153699	15.243	ug/L	98
47) Tetrachloroethene	8.56	164	166299	23.117	ug/L	97

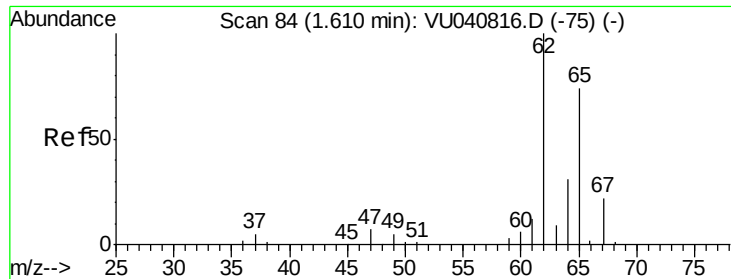
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

Instrument :

MSVOA_U

ClientSampleId :

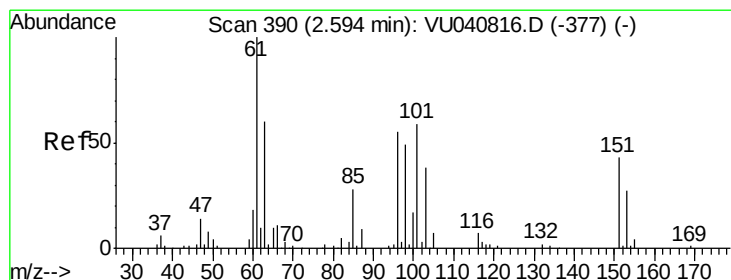
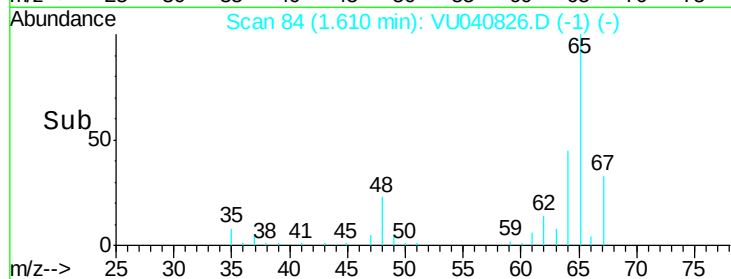
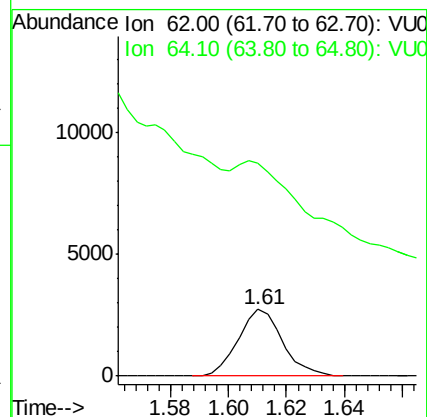
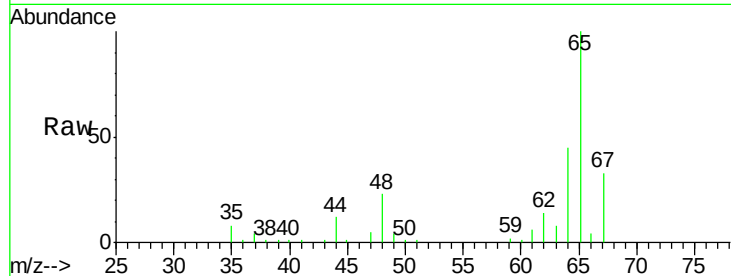
C0AK4

Tot Ion: 62 Resp: 2912

Ion Ratio Lower Upper

62 100

64 318.8 23.7 44.1#



#12

1,1-Dichloroethene

Concen: 9.329 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

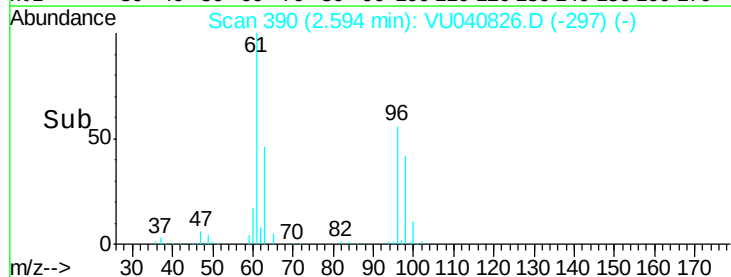
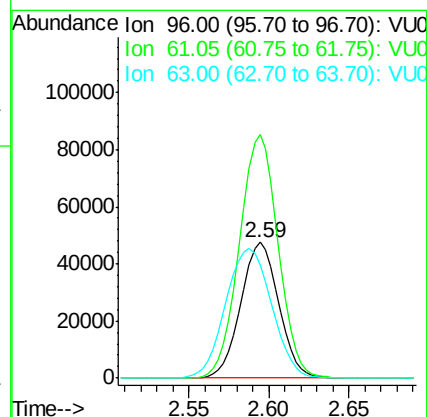
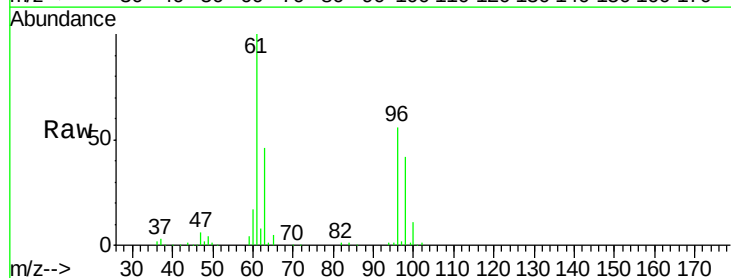
Tgt Ion: 96 Resp: 76556

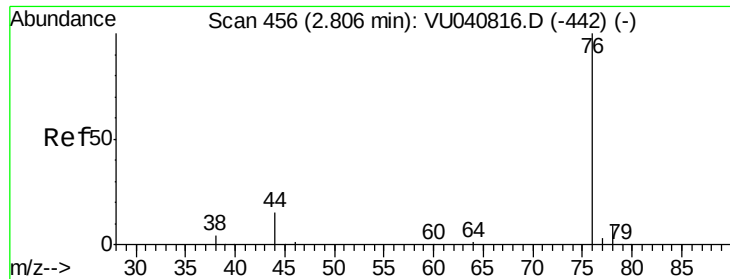
Ion Ratio Lower Upper

96 100

61 179.7 128.8 239.2

63 83.5 84.6 157.2#





#14

Carbon disulfide

Concen: 0.122 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

Instrument :

MSVOA_U

ClientSampleId :

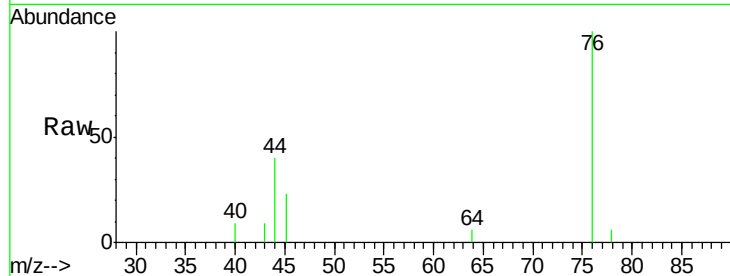
C0AK4

Tot Ion: 76 Resp: 2810

Ion Ratio Lower Upper

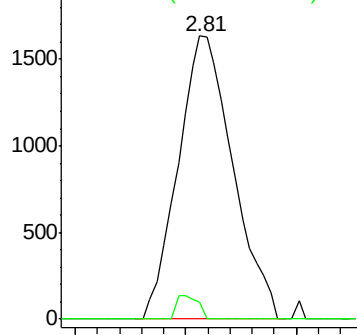
76 100

78 6.2 6.8 10.2#

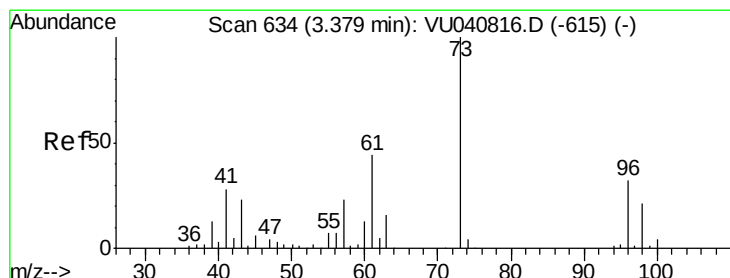
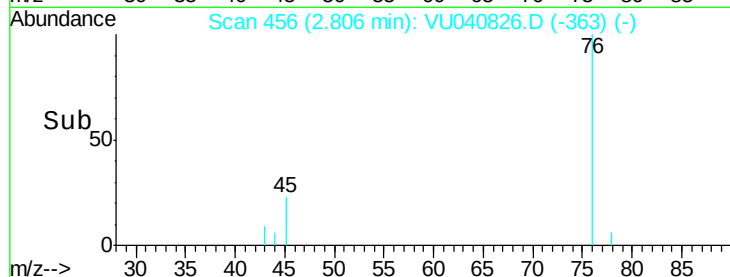


Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



Time--> 2.75 2.80 2.85



#17

Methyl tert-butyl Ether

Concen: 0.179 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.01 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

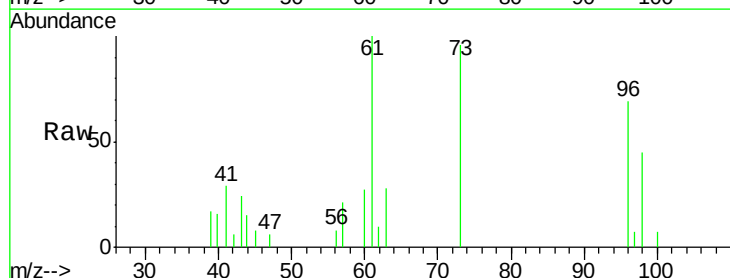
Tgt Ion: 73 Resp: 4163

Ion Ratio Lower Upper

73 100

43 24.6 18.2 27.4

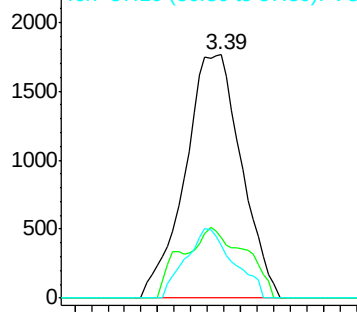
57 24.1 18.6 28.0



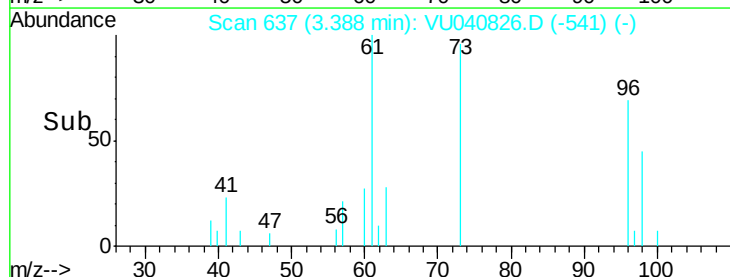
Abundance Ion 73.10 (72.80 to 73.80): VU0

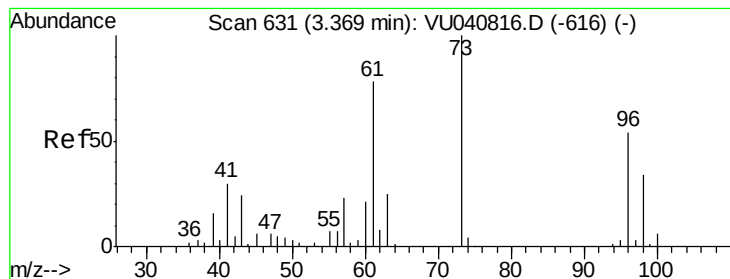
Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



Time--> 3.30 3.35 3.40 3.45





#18

trans-1,2-Dichloroethene

Concen: 0.625 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

Instrument :

MSVOA_U

ClientSampleId :

C0AK4

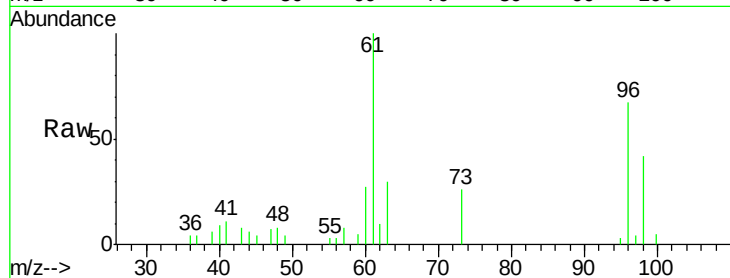
Tot Ion: 96 Resp: 5371

Ion Ratio Lower Upper

96 100

61 149.6 105.9 196.7

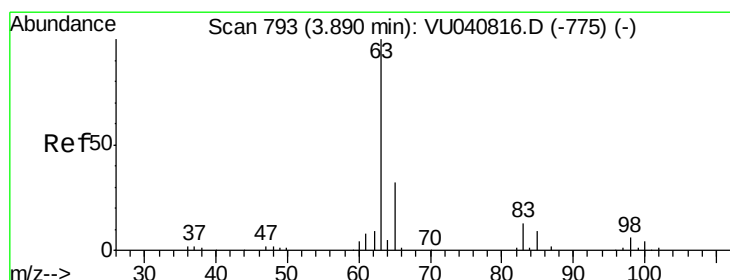
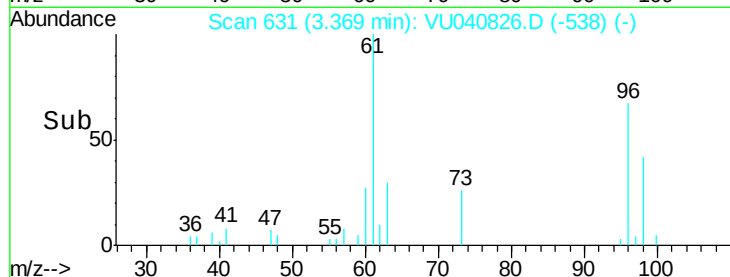
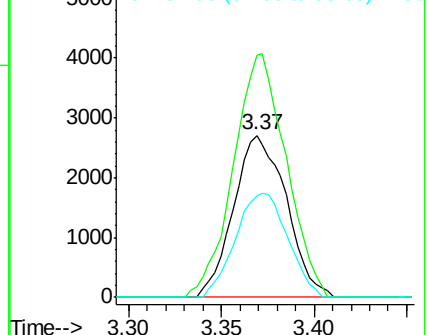
98 62.4 43.8 81.3



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



#19

1,1-Dichloroethane

Concen: 1.000 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

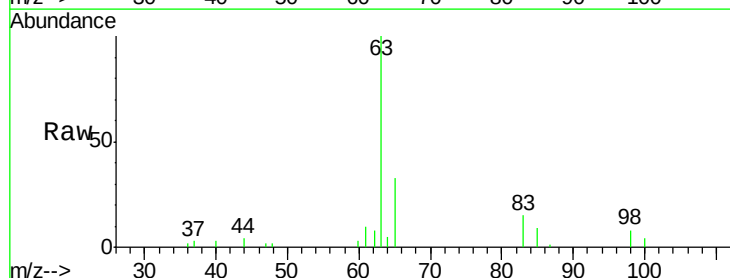
Tgt Ion: 63 Resp: 17762

Ion Ratio Lower Upper

63 100

65 32.8 21.9 40.7

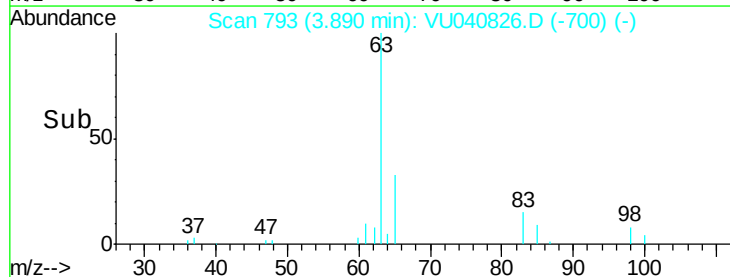
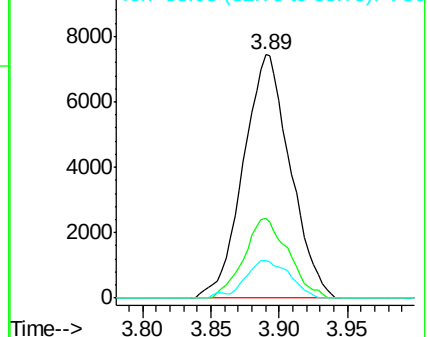
83 15.5 9.6 17.8

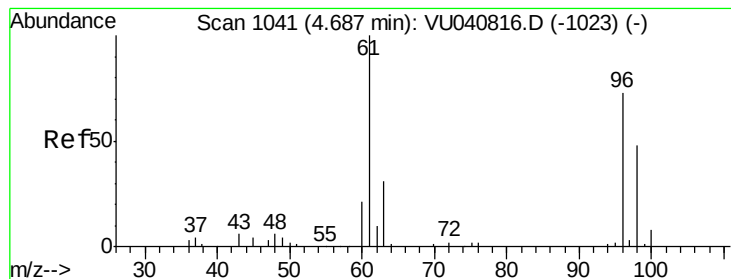


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 13.956 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

Instrument :
MSVOA_U
ClientSampleId :
C0AK4

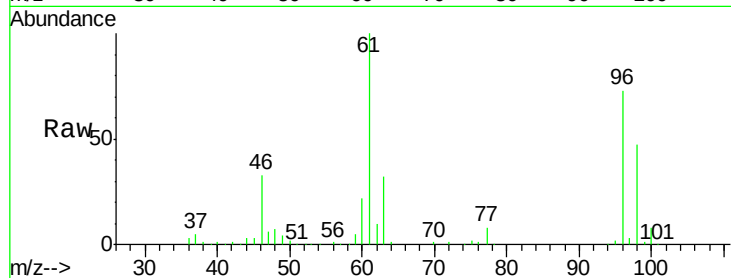
Tot Ion: 96 Resp: 129282

Ion Ratio Lower Upper

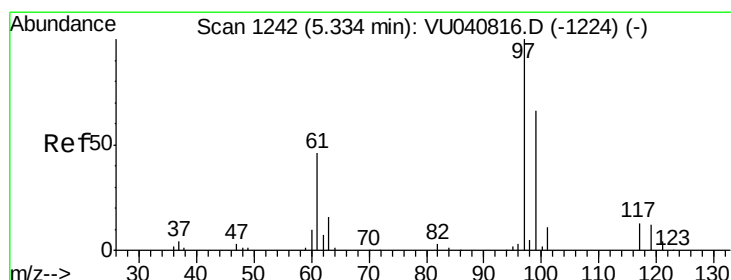
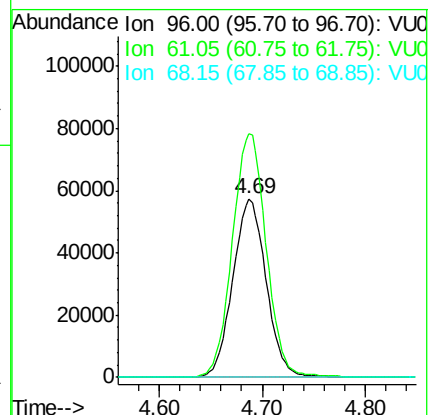
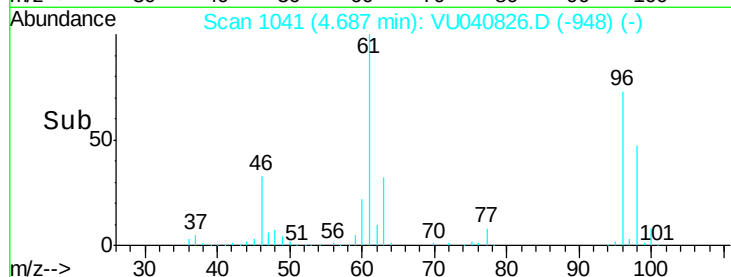
96 100

61 136.4 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



#29

1,1,1-Trichloroethane

Concen: 0.320 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040826.D

Acq: 20 Oct 2020 00:14

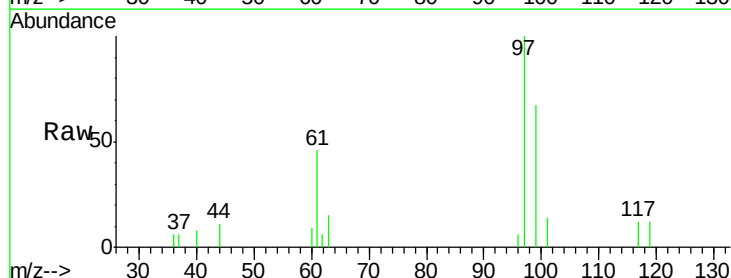
Tgt Ion: 97 Resp: 5211

Ion Ratio Lower Upper

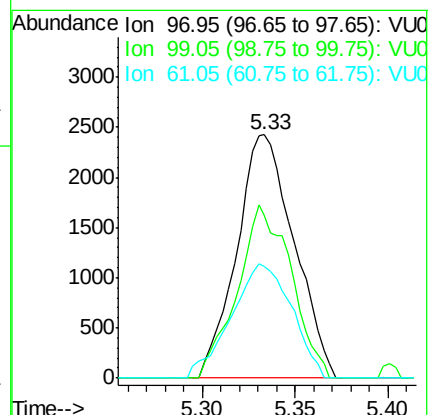
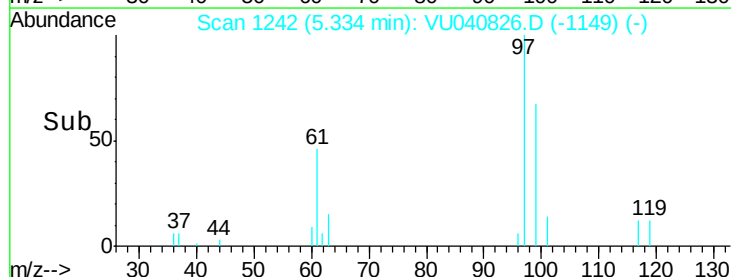
97 100

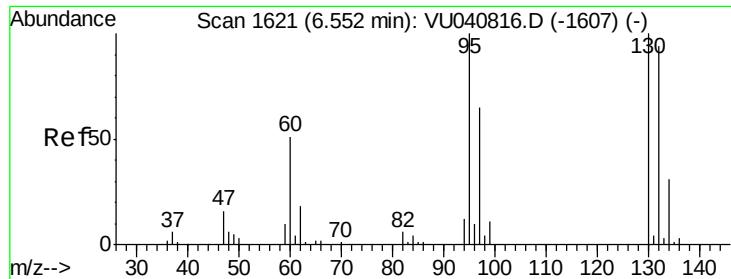
99 66.6 51.3 76.9

61 49.3 39.4 59.2



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

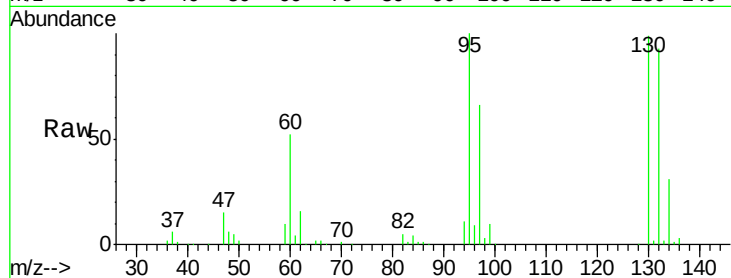




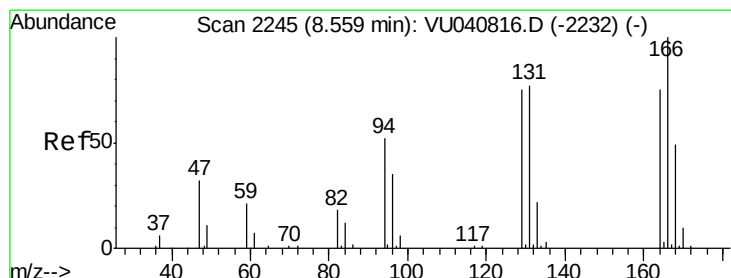
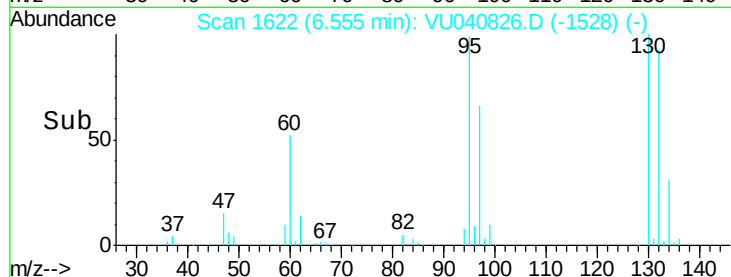
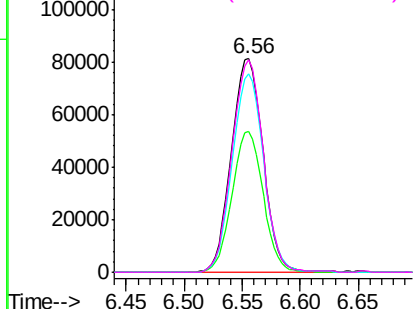
#34
 Trichloroethene
 Concen: 15.243 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040826.D
 Acq: 20 Oct 2020 00:14

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Tot Ion: 95 Resp: 153699
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.5 84.5
 132 93.0 67.5 125.4
 130 99.4 69.9 129.9

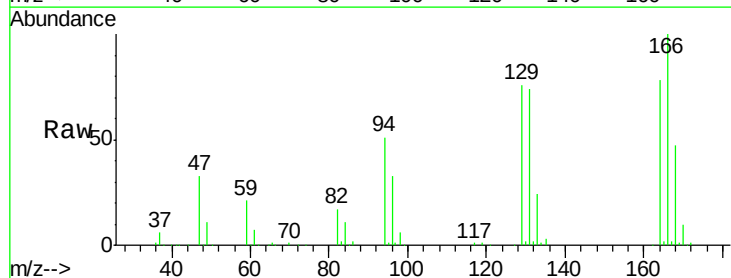


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V



#47
 Tetrachloroethene
 Concen: 23.117 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040826.D
 Acq: 20 Oct 2020 00:14

Tgt Ion: 164 Resp: 166299
 Ion Ratio Lower Upper
 164 100
 129 97.6 68.8 127.8
 131 95.3 66.7 123.9
 166 128.8 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

