

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040879.D
 Acq On : 21 Oct 2020 17:31
 Operator : SY/MD
 Sample : L4420-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK4

Quant Time: Oct 26 17:04:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 01:39:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	236375	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	242693	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	103243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	77083	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	69109	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	198930	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.40%
20) 2-Butanone-d5	4.65	46	330608	57.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.92%
24) Chloroform-d	5.08	84	163669	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.72	65	106142	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.74	84	295223	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	104606	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.91	98	232131	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	39835	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	252576	58.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	96283	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	98910	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

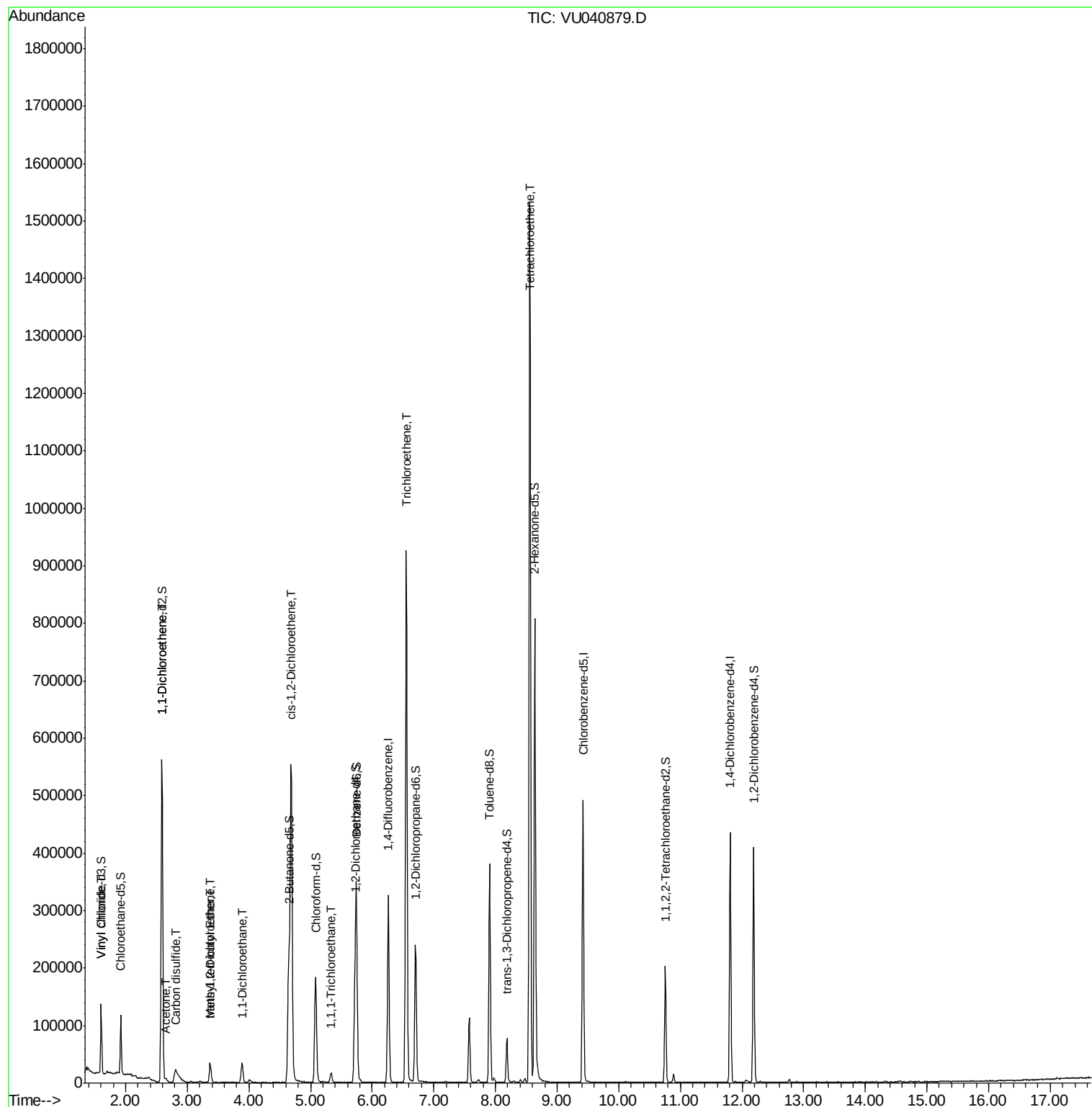
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	6093	0.252	ug/L #	23
12) 1,1-Dichloroethene	2.59	96	145465	8.402	ug/L	89
13) Acetone	2.65	43	7122	1.761	ug/L	95
14) Carbon disulfide	2.81	76	5460	0.089	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	8958	0.213	ug/L #	93
18) trans-1,2-Dichloroethene	3.37	96	9261	0.516	ug/L	87
19) 1,1-Dichloroethane	3.89	63	38467	1.065	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	256299	13.000	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	10273	0.326	ug/L	93
34) Trichloroethene	6.56	95	304522	15.337	ug/L	99
47) Tetrachloroethene	8.56	164	310424	21.007	ug/L	98

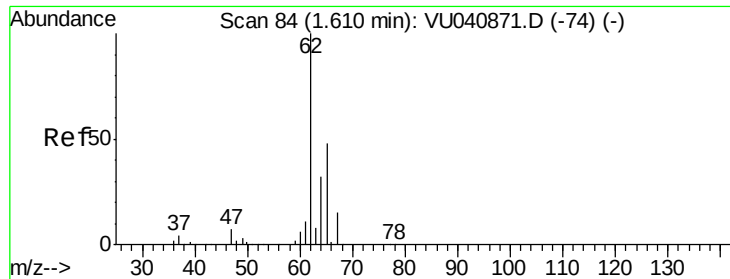
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.252 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040879.D

Acq: 21 Oct 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

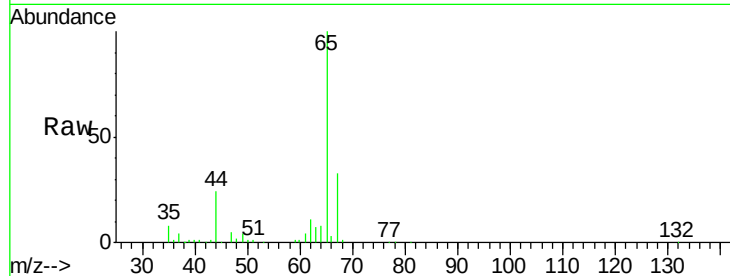
C0AK4

Tot Ion: 62 Resp: 6093

Ion Ratio Lower Upper

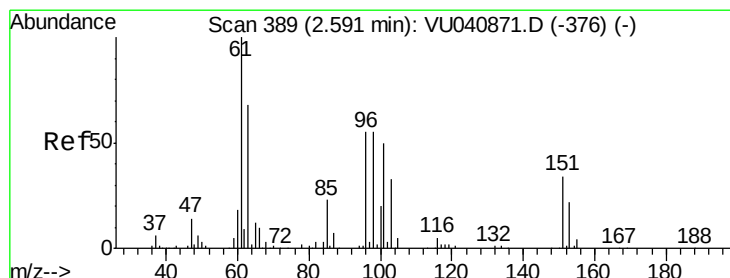
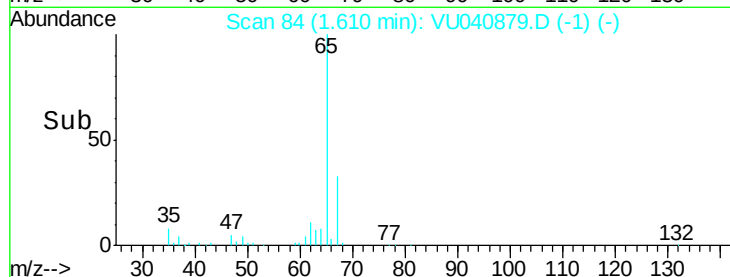
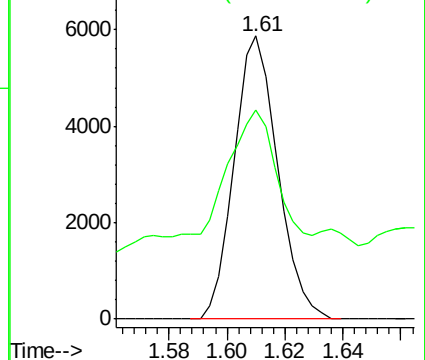
62 100

64 73.9 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 8.402 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040879.D

Acq: 21 Oct 2020 17:31

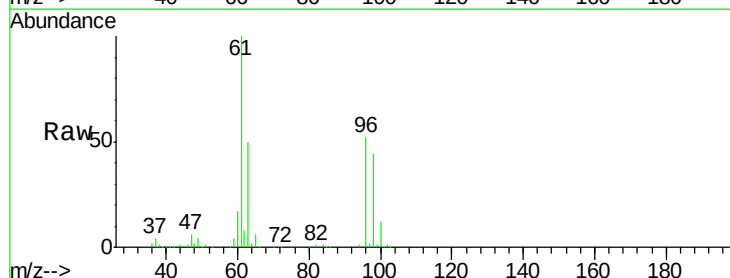
Tgt Ion: 96 Resp: 145465

Ion Ratio Lower Upper

96 100

61 191.0 130.9 243.1

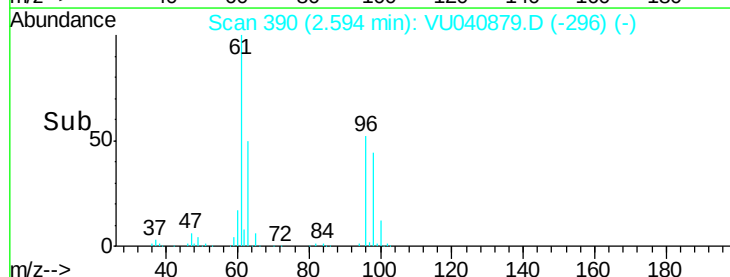
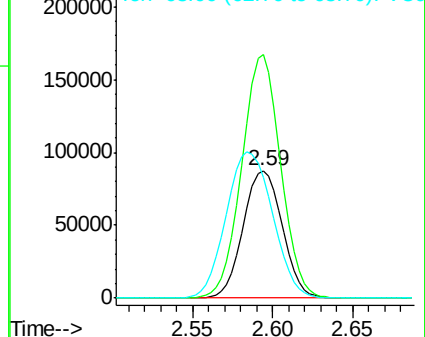
63 94.8 85.4 158.6

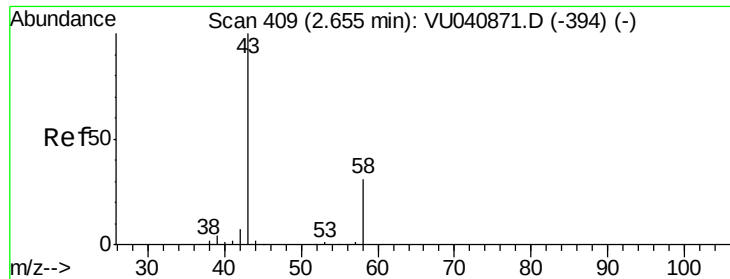


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.761 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040879.D

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Instrument :

MSVOA_U

ClientSampleId :

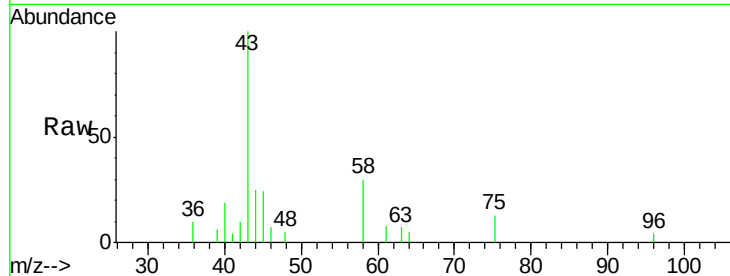
C0AK4

Tot Ion: 43 Resp: 7122

Ion Ratio Lower Upper

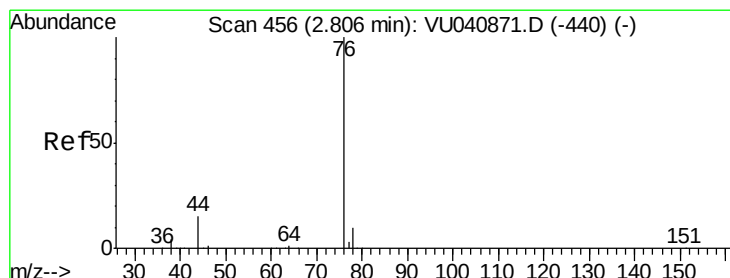
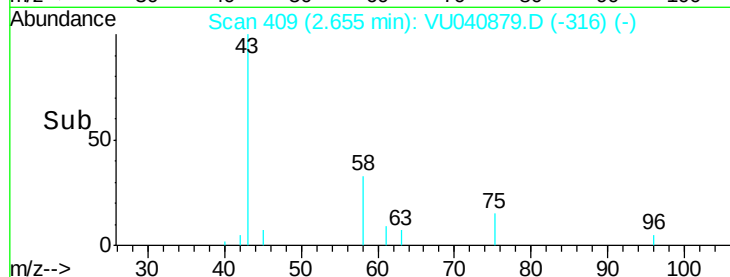
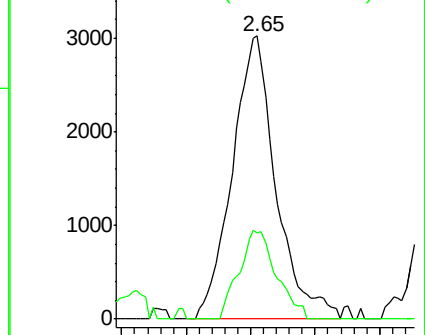
43 100

58 26.7 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.089 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040879.D

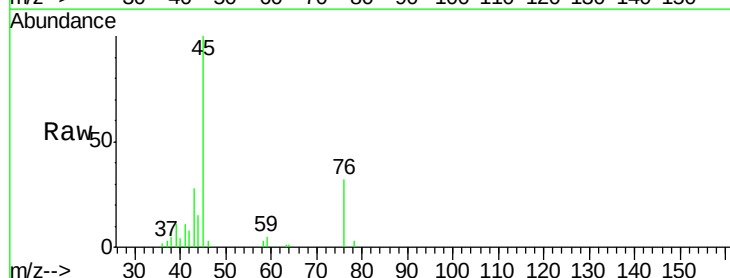
Acq: 21 Oct 2020 17:31

Tgt Ion: 76 Resp: 5460

Ion Ratio Lower Upper

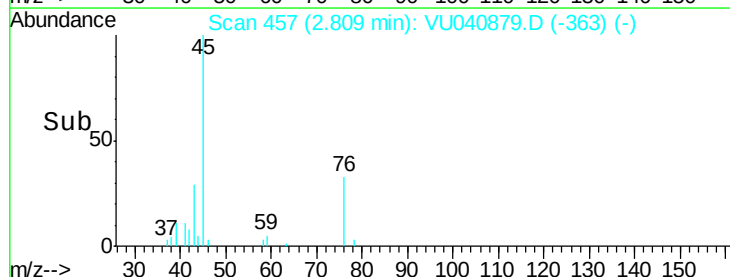
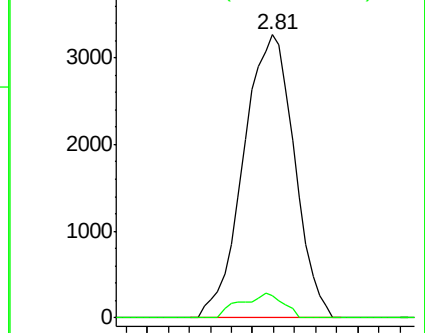
76 100

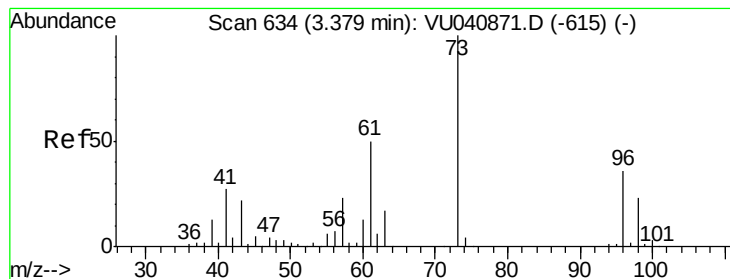
78 7.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#17

Methyl tert-butyl Ether

Concen: 0.213 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040879.D

Acq: 21 Oct 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

C0AK4

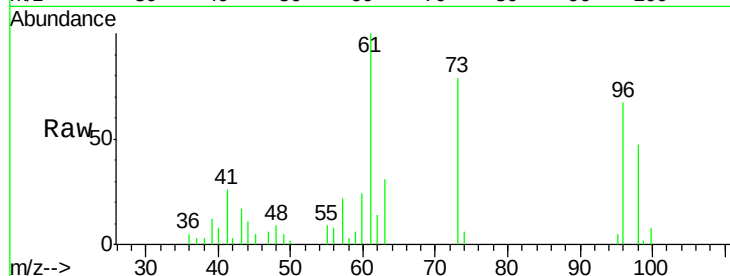
Tot Ion: 73 Resp: 8958

Ion Ratio Lower Upper

73 100

43 28.0 18.6 27.8#

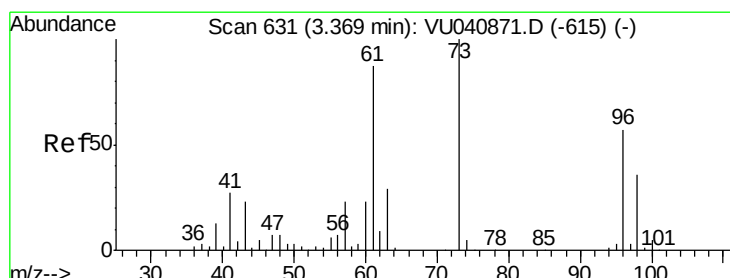
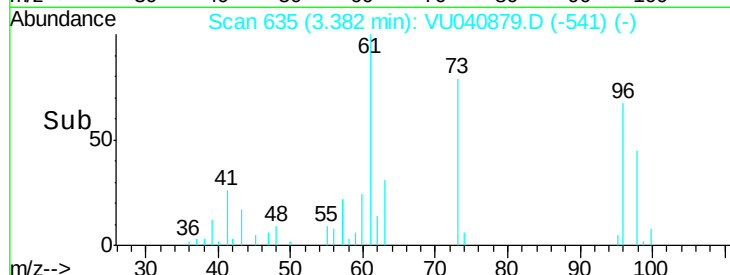
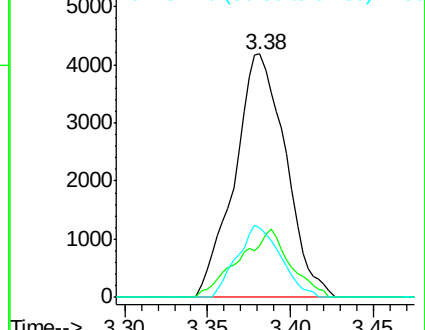
57 25.2 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VU040871.D (-615) (-)

Ion 43.05 (42.75 to 43.75): VU040871.D (-615) (-)

Ion 57.10 (56.80 to 57.80): VU040871.D (-615) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.516 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040879.D

Acq: 21 Oct 2020 17:31

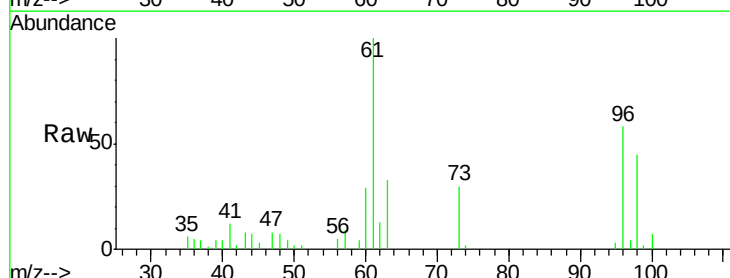
Tgt Ion: 96 Resp: 9261

Ion Ratio Lower Upper

96 100

61 171.2 107.9 200.3

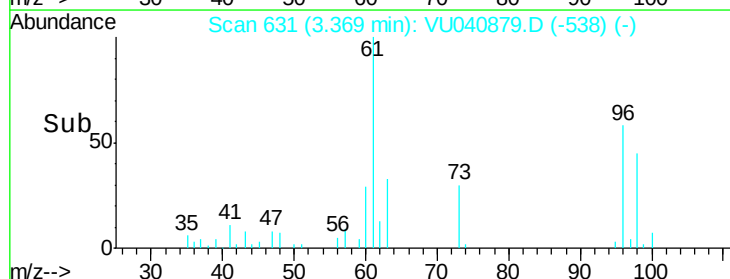
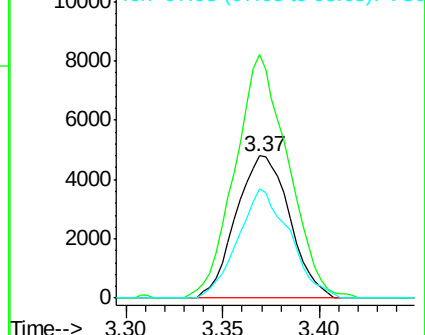
98 76.5 47.5 88.1

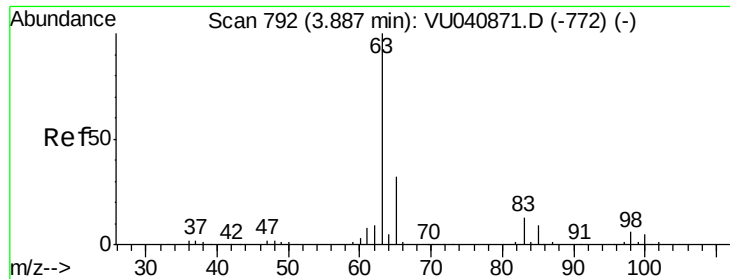


Abundance Ion 96.00 (95.70 to 96.70): VU040871.D (-615) (-)

Ion 61.05 (60.75 to 61.75): VU040871.D (-615) (-)

Ion 97.95 (97.65 to 98.65): VU040871.D (-615) (-)

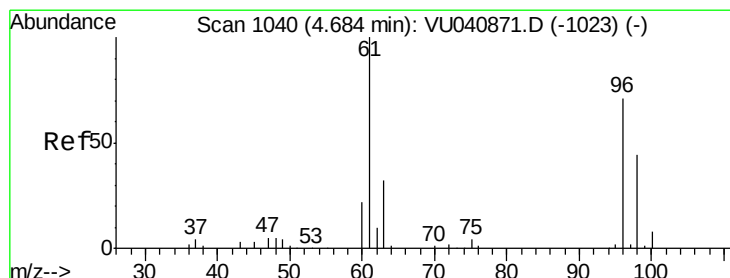
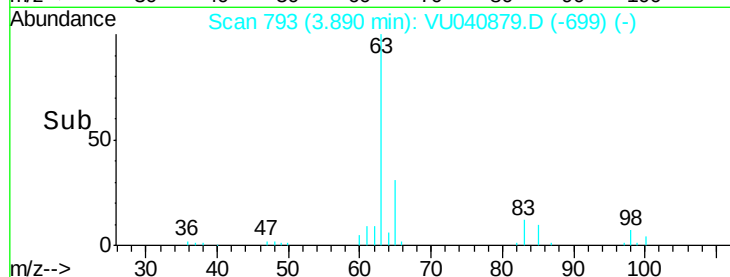
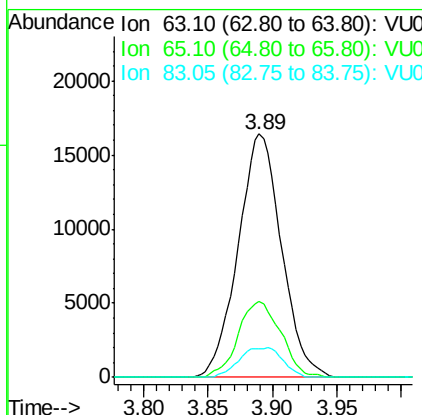
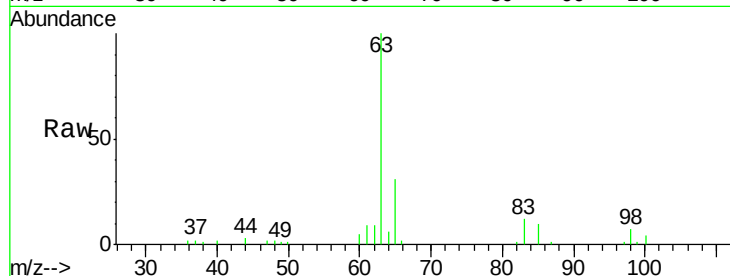




#19
 1,1-Dichloroethane
 Concen: 1.065 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040879.D
 Acq: 21 Oct 2020 17:31

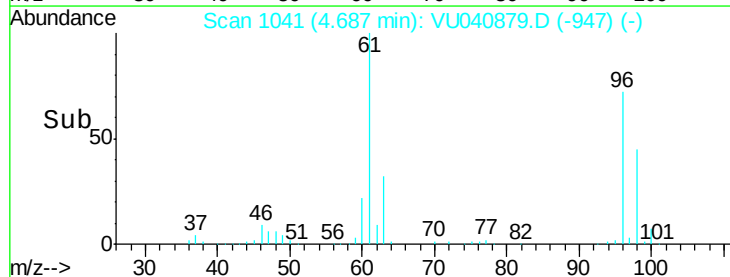
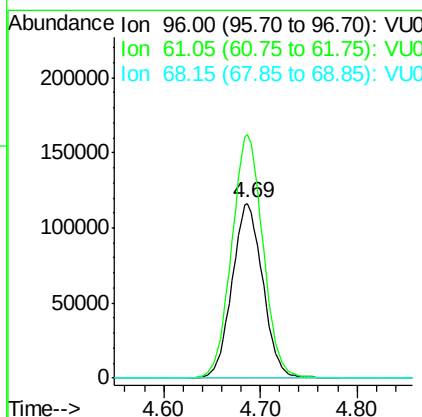
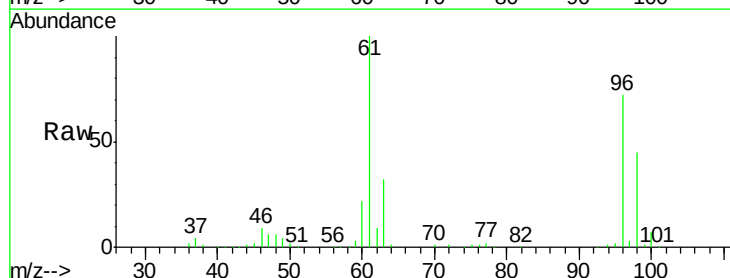
Instrument :
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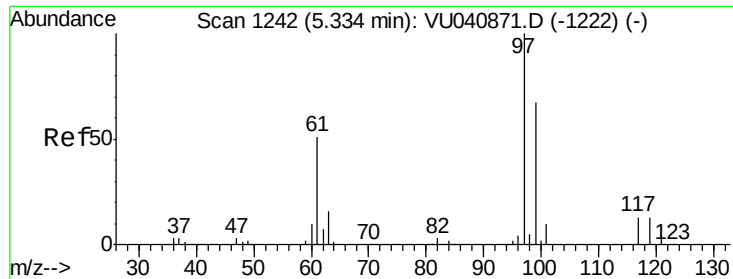
Tot Ion: 63 Resp: 38467
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.6 42.0
 83 11.5 9.4 17.6



#22
 cis-1,2-Dichloroethene
 Concen: 13.000 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040879.D
 Acq: 21 Oct 2020 17:31

Tgt Ion: 96 Resp: 256299
 Ion Ratio Lower Upper
 96 100
 61 139.4 100.0 185.6
 68 0.0 0.0 0.0

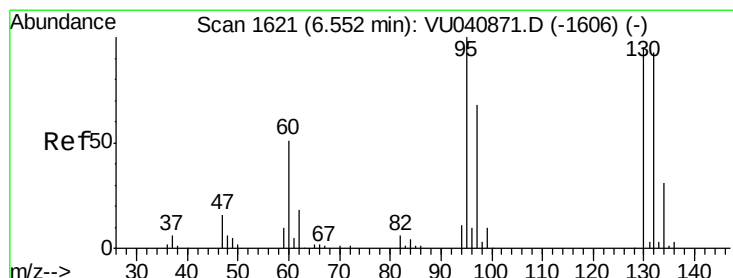
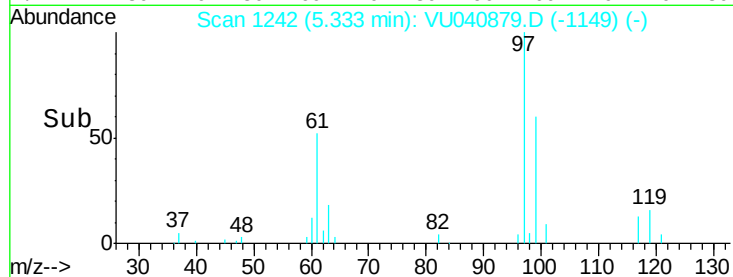
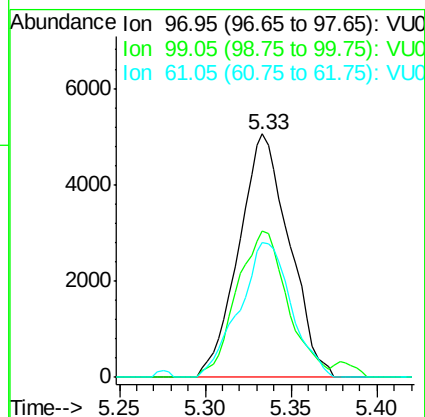
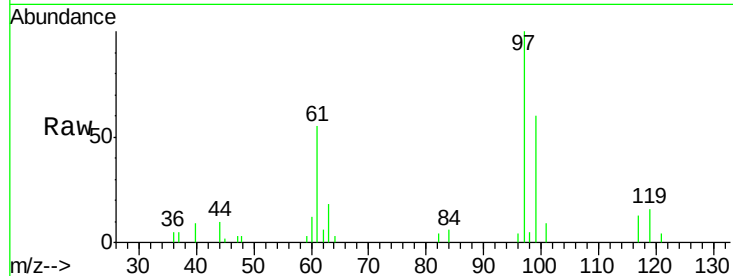




#29
 1,1,1-Trichloroethane
 Concen: 0.326 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040879.D
 Acq: 21 Oct 2020 17:31

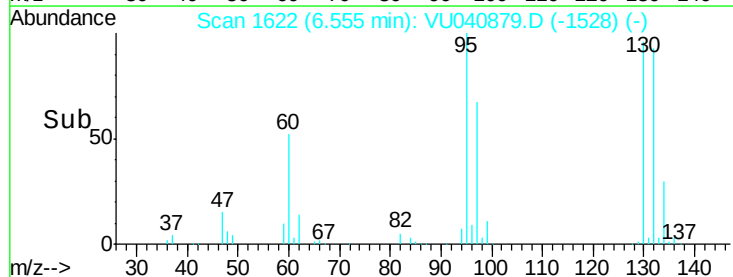
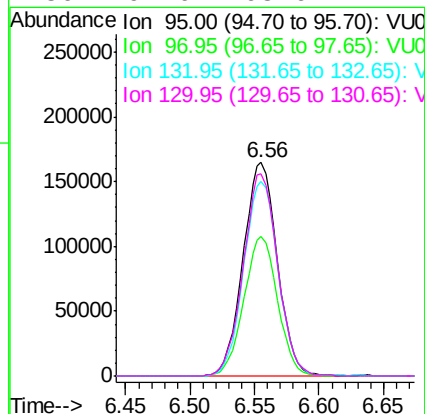
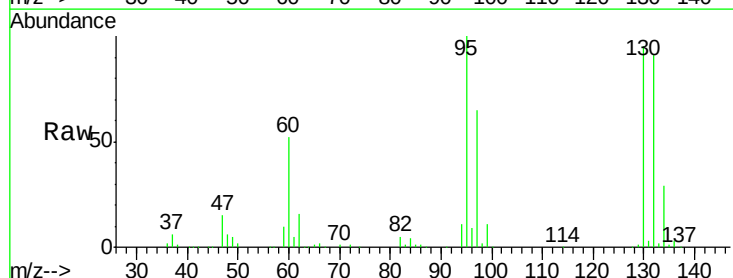
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK4

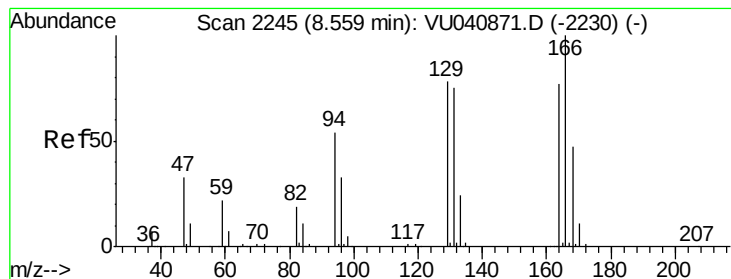
Tot Ion: 97 Resp: 10273
 Ion Ratio Lower Upper
 97 100
 99 61.0 51.2 76.8
 61 56.9 39.0 58.6



#34
 Trichloroethene
 Concen: 15.337 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040879.D
 Acq: 21 Oct 2020 17:31

Tgt Ion: 95 Resp: 304522
 Ion Ratio Lower Upper
 95 100
 97 65.5 46.0 85.4
 132 91.1 63.6 118.2
 130 94.6 68.6 127.4





#47

Tetrachloroethene

Concen: 21.007 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040879.D

Acq: 21 Oct 2020 17:31

Instrument :
MSVOA_U
ClientSampleId :
C0AK4

Tot Ion:164 Resp: 310424

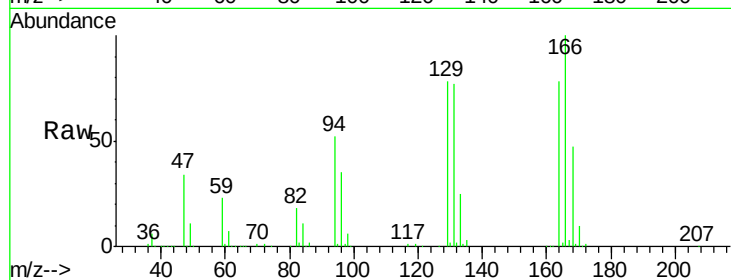
Ion Ratio Lower Upper

164 100

129 100.1 69.7 129.4

131 98.3 65.4 121.4

166 128.3 90.0 167.2



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

