

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040902.D
 Acq On : 22 Oct 2020 13:16
 Operator : SY/MD
 Sample : L4420-11DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK4DL

Quant Time: Oct 23 00:29:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 23:17:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	230735	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	245762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	99841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	60534	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.92	69	57606	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.58	63	112631	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.65	46	305615	54.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.82%
24) Chloroform-d	5.08	84	145777	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.72	65	93490	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	245479	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.20%
36) 1,2-Dichloropropane-d6	6.70	67	91357	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.90	98	186114	3.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.20%#
43) trans-1,3-Dichloropropene-	8.19	79	33669	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.64	63	214092	48.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	87514	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	79830	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

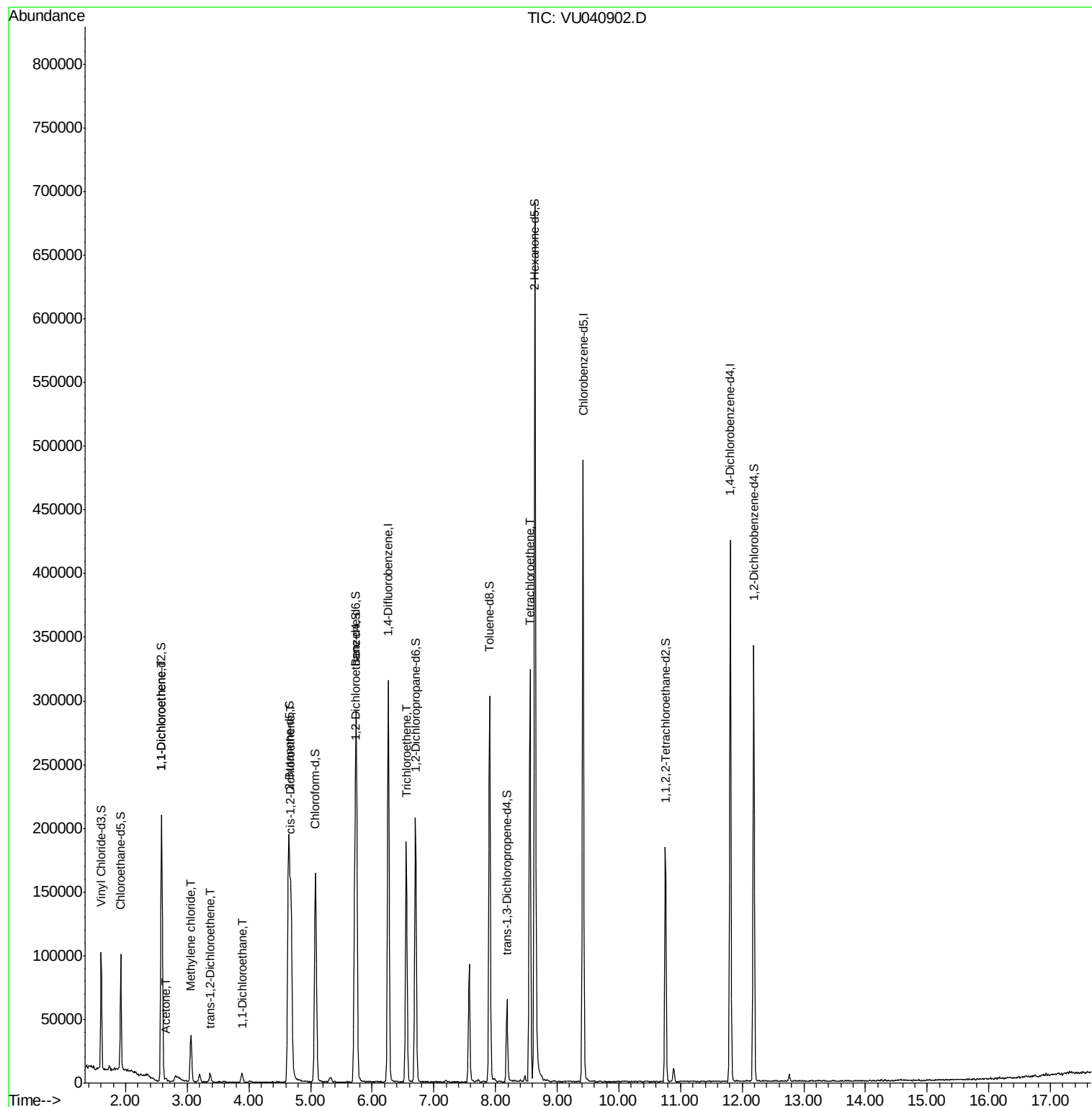
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	31106	1.841	ug/L	# 68
13) Acetone	2.66	43	2821	0.715	ug/L	78
16) Methylene chloride	3.06	84	15332	0.738	ug/L	92
18) trans-1,2-Dichloroethene	3.37	96	1965	0.112	ug/L	97
19) 1,1-Dichloroethane	3.89	63	7911	0.224	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	55201	2.868	ug/L	95
34) Trichloroethene	6.55	95	61113	3.039	ug/L	97
47) Tetrachloroethene	8.56	164	64810	4.331	ug/L	98

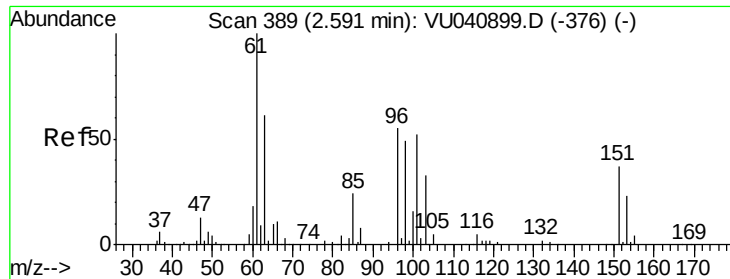
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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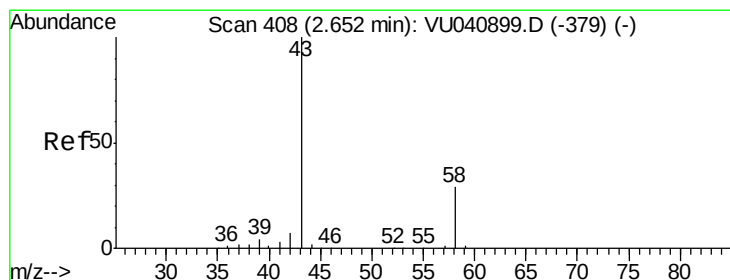
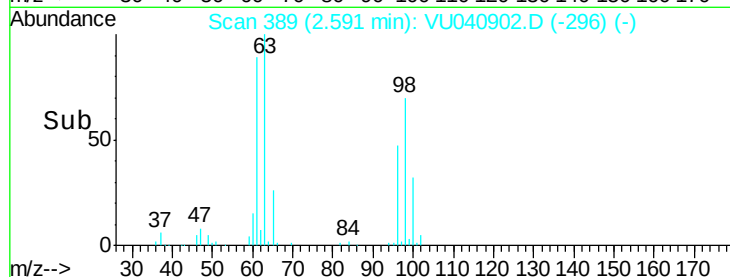
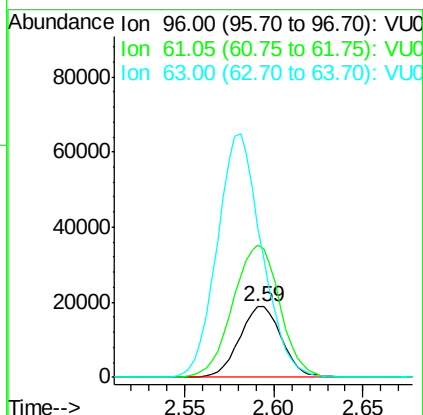
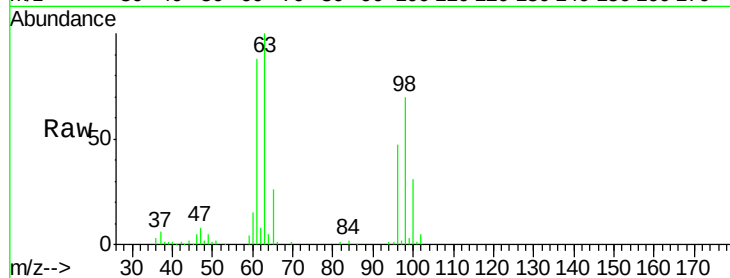




#12
 1,1-Dichloroethene
 Concen: 1.841 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040902.D
 Acq: 22 Oct 2020 13:16

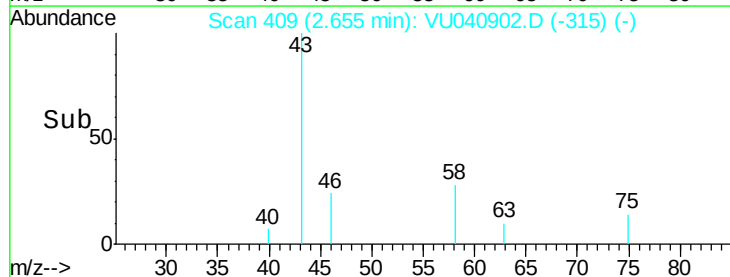
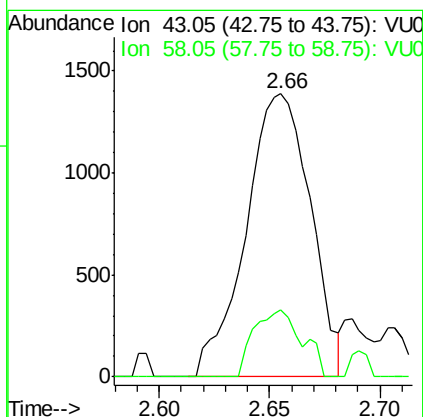
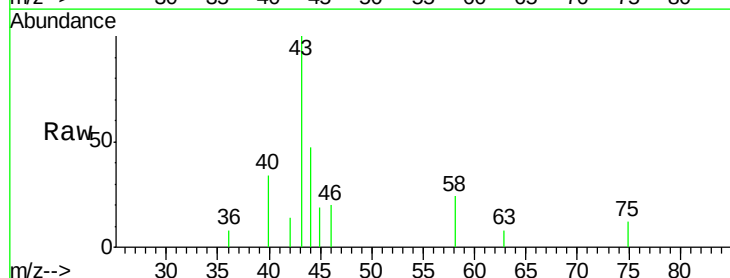
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK4DL

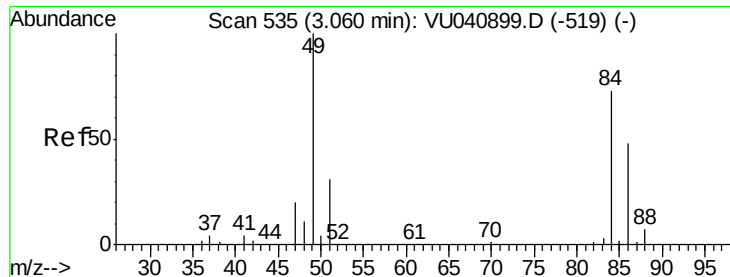
Tot Ion: 96 Resp: 31106
 Ion Ratio Lower Upper
 96 100
 61 187.9 130.9 243.1
 63 212.8 85.4 158.6#



#13
 Acetone
 Concen: 0.715 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VU040902.D
 Acq: 22 Oct 2020 13:16

Tgt Ion: 43 Resp: 2821
 Ion Ratio Lower Upper
 43 100
 58 17.6 0.0 58.6

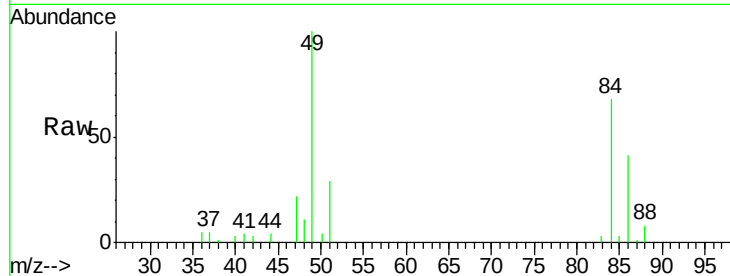




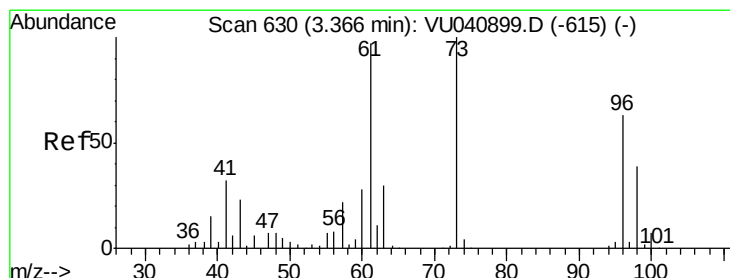
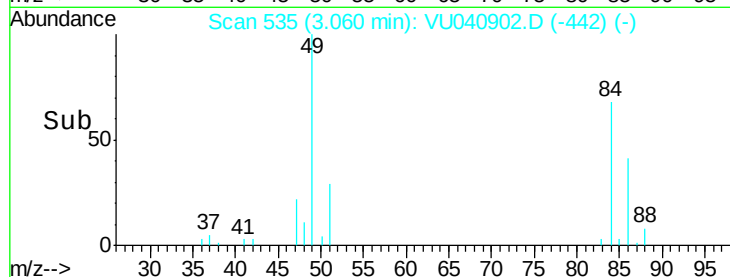
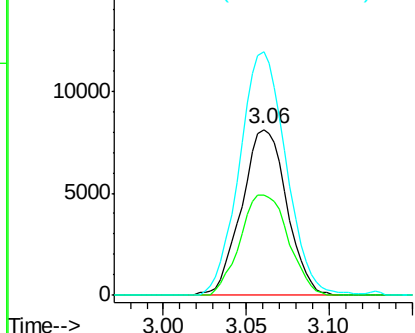
#16
Methylene chloride
Concen: 0.738 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040902.D
Acq: 22 Oct 2020 13:16

Instrument :
MSVOA_U
ClientSampled :
C0AK4DL

Tot Ion: 84 Resp: 15332
Ion Ratio Lower Upper
84 100
86 60.6 44.9 83.5
49 147.0 94.7 175.9

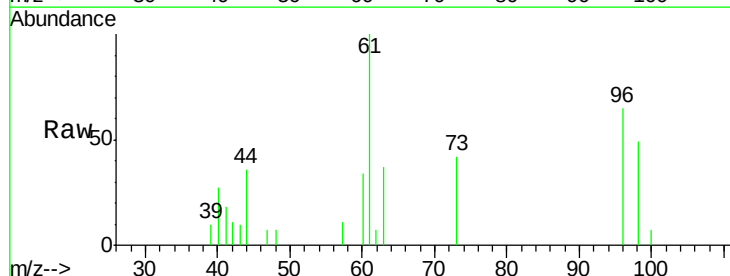


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

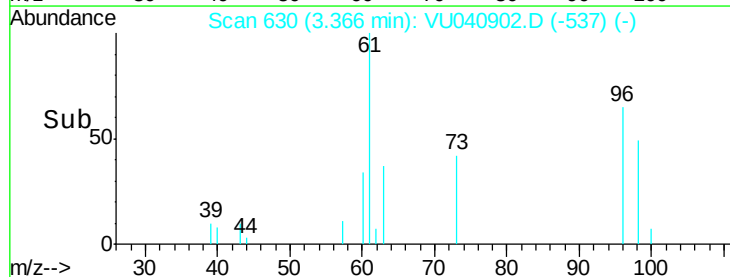
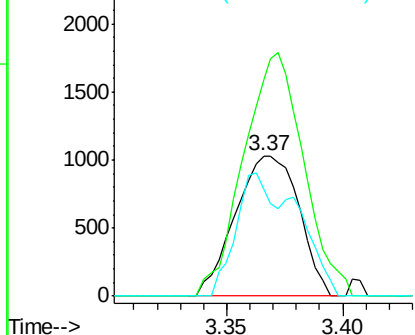


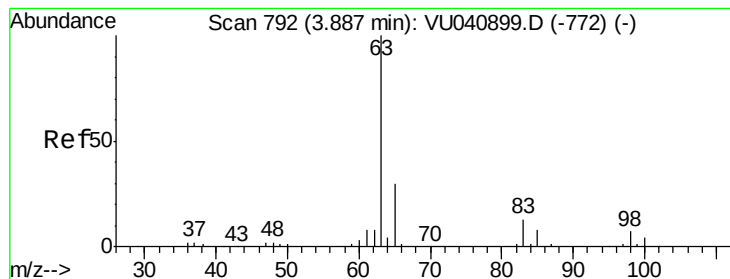
#18
trans-1,2-Dichloroethene
Concen: 0.112 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040902.D
Acq: 22 Oct 2020 13:16

Tgt Ion: 96 Resp: 1965
Ion Ratio Lower Upper
96 100
61 154.3 107.9 200.3
98 75.8 47.5 88.1



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: 0.224 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040902.D

Acq: 22 Oct 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

C0AK4DL

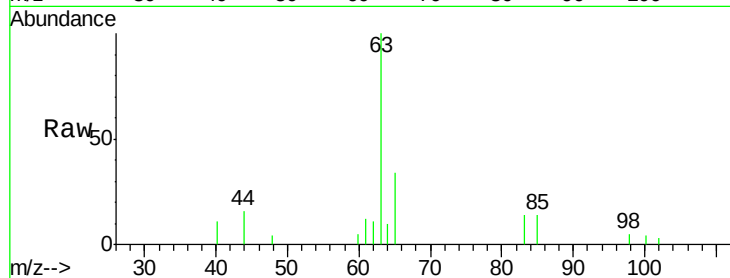
Tot Ion: 63 Resp: 7911

Ion Ratio Lower Upper

63 100

65 34.0 22.6 42.0

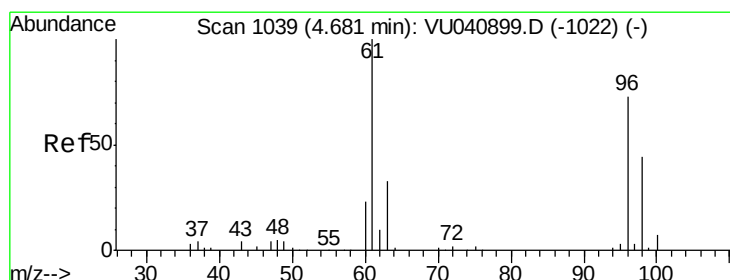
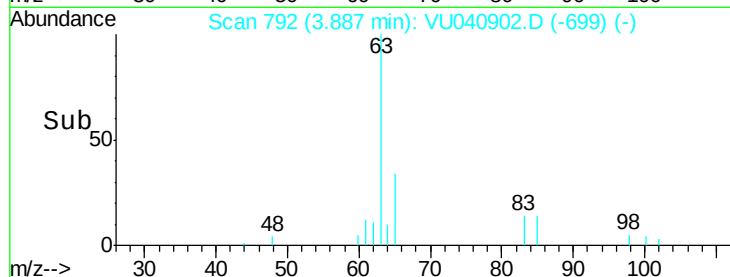
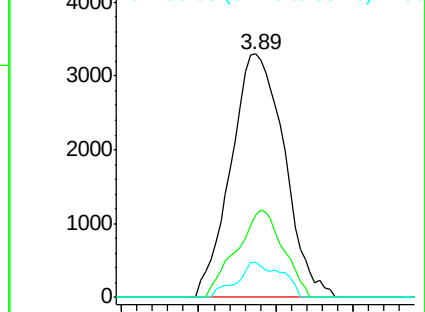
83 14.4 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040902.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040902.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040902.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.868 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040902.D

Acq: 22 Oct 2020 13:16

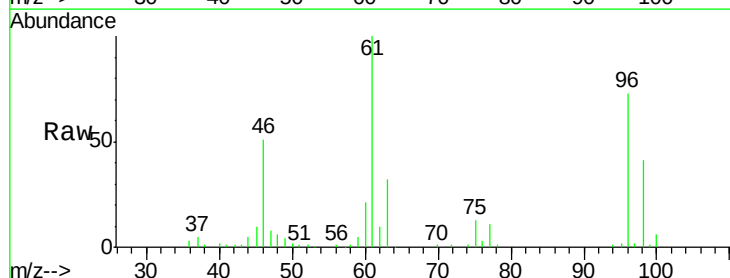
Tgt Ion: 96 Resp: 55201

Ion Ratio Lower Upper

96 100

61 136.3 100.0 185.6

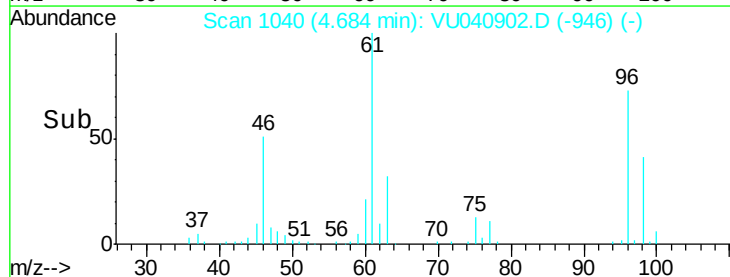
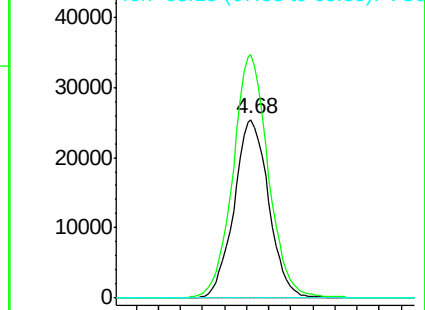
68 0.0 0.0 0.0

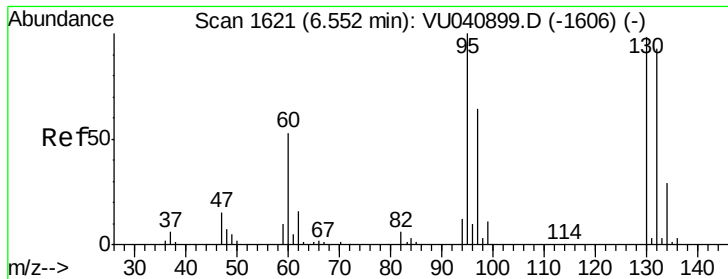


Abundance Ion 96.00 (95.70 to 96.70): VU040902.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU040902.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU040902.D (-946) (-)





#34

Trichloroethene

Concen: 3.039 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040902.D

Acq: 22 Oct 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

C0AK4DL

Tot Ion: 95 Resp: 61113

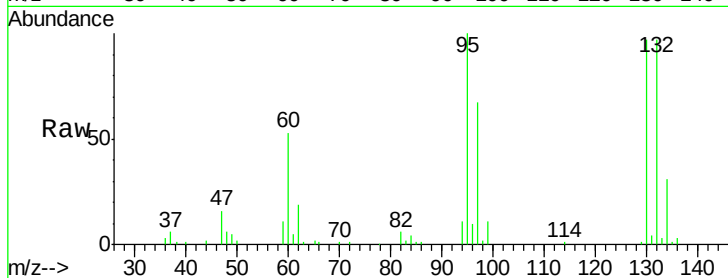
Ion Ratio Lower Upper

95 100

97 66.7 46.0 85.4

132 96.7 63.6 118.2

130 97.2 68.6 127.4

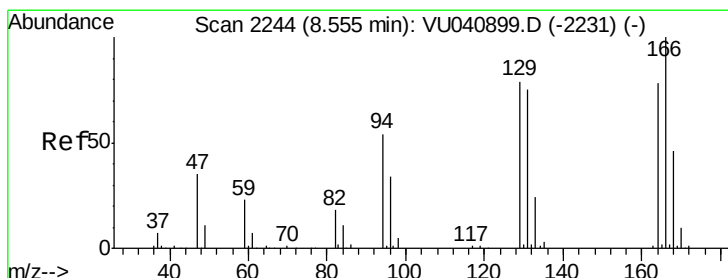
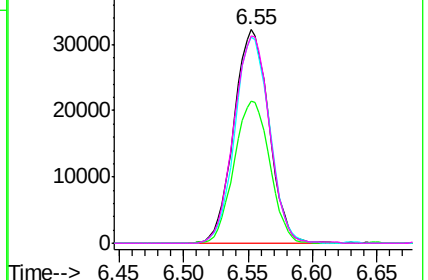
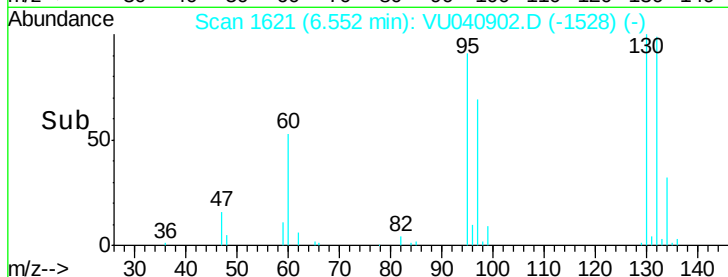


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.331 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040902.D

Acq: 22 Oct 2020 13:16

Tgt Ion: 164 Resp: 64810

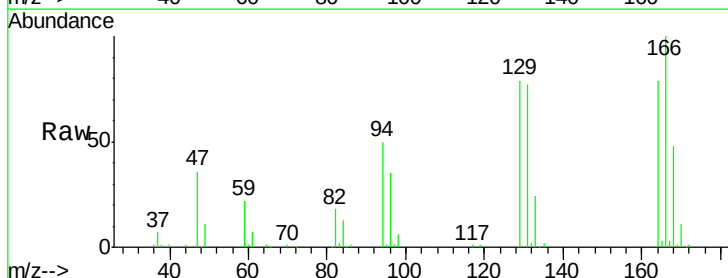
Ion Ratio Lower Upper

164 100

129 100.3 69.7 129.4

131 97.7 65.4 121.4

166 126.6 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

