

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041953.D
 Acq On : 12 Jan 2021 04:35
 Operator : SY/MD
 Sample : M1027-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL0

Quant Time: Jan 12 06:43:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113427	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111250	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45882	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46341	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.92	69	43881	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.58	63	68864	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.65	46	172739	65.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.04%#
24) Chloroform-d	5.08	84	90721	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	54104	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
32) Benzene-d6	5.74	84	179772	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.70	67	57326	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.90	98	147281	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.19	79	22954	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.64	63	144849	66.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.86%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53064	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	45994	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

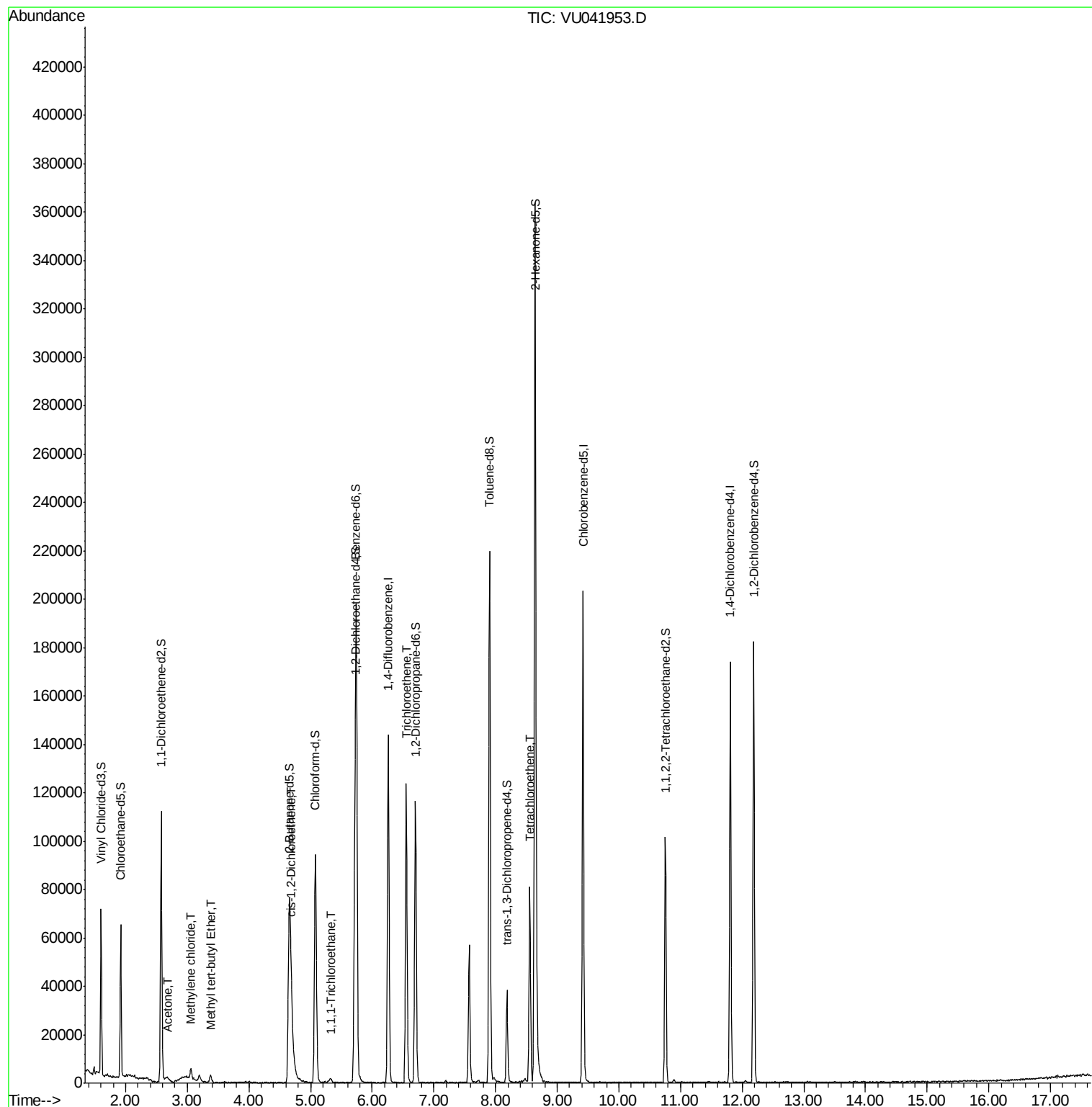
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	4087	2.369	ug/L	83
16) Methylene chloride	3.06	84	1798	0.162	ug/L	86
17) Methyl tert-butyl Ether	3.38	73	3882	0.183	ug/L #	87
22) cis-1,2-Dichloroethene	4.69	96	1721	0.187	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	1148	0.079	ug/L	96
34) Trichloroethene	6.55	95	43519	4.624	ug/L	96
47) Tetrachloroethene	8.56	164	16777	2.562	ug/L	87

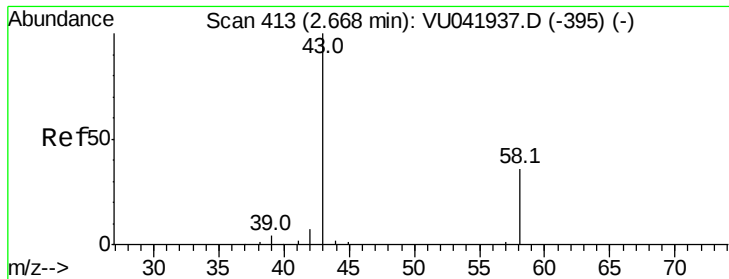
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.369 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU041953.D

Acq: 12 Jan 2021 04:35

Instrument :

MSVOA_U

ClientSampleId :

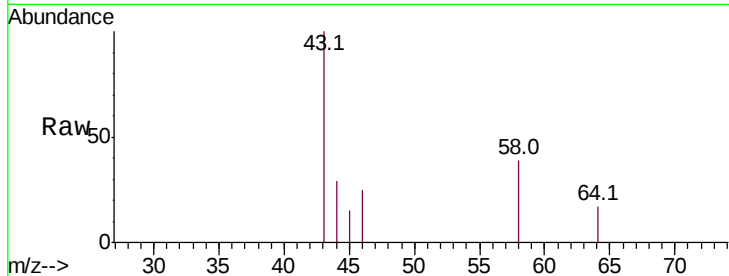
BFXL0

Tot Ion: 43 Resp: 4087

Ion Ratio Lower Upper

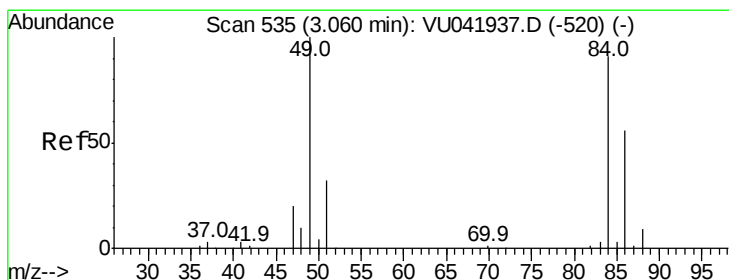
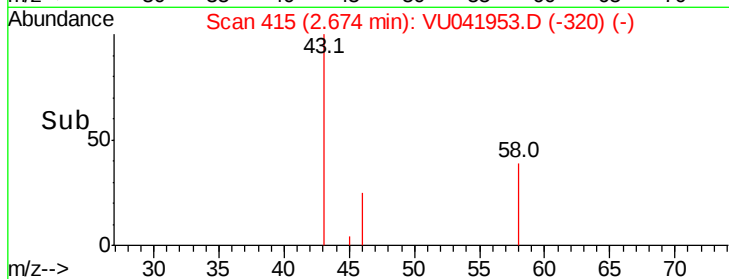
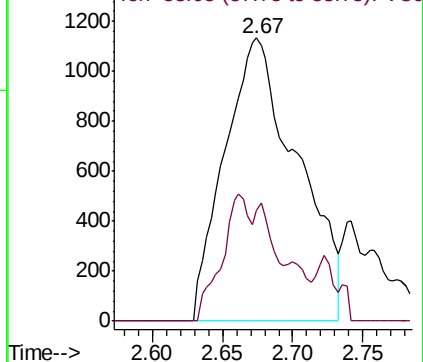
43 100

58 5.3 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.162 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041953.D

Acq: 12 Jan 2021 04:35

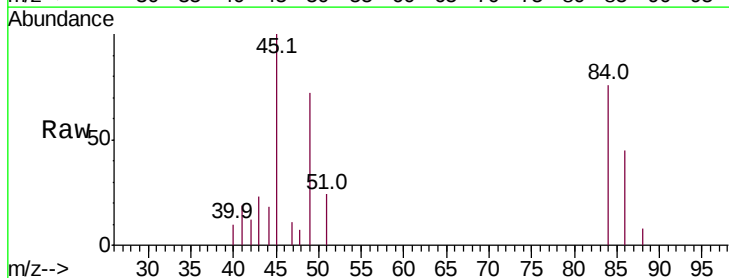
Tgt Ion: 84 Resp: 1798

Ion Ratio Lower Upper

84 100

86 59.9 43.5 80.7

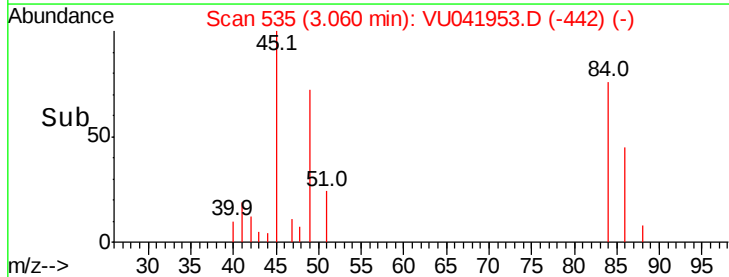
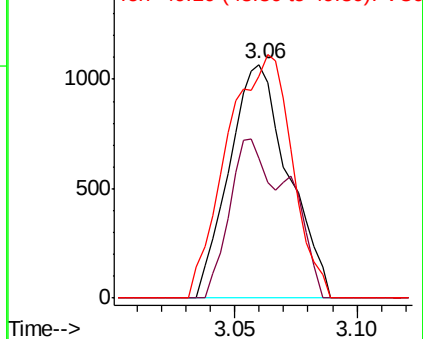
49 95.3 81.8 151.8

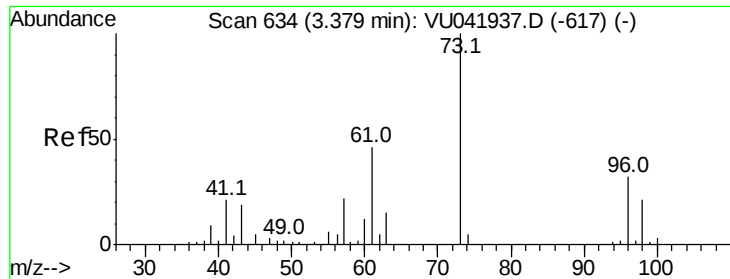


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methvl tert-butvl Ether

Concen: 0.183 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041953.D

Acq: 12 Jan 2021 04:35

Instrument :

MSVOA_U

ClientSampleId :

BFXL0

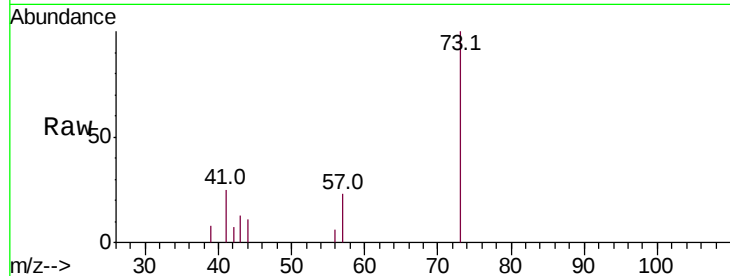
Tot Ion: 73 Resp: 3882

Ion Ratio Lower Upper

73 100

43 12.9 15.8 23.8#

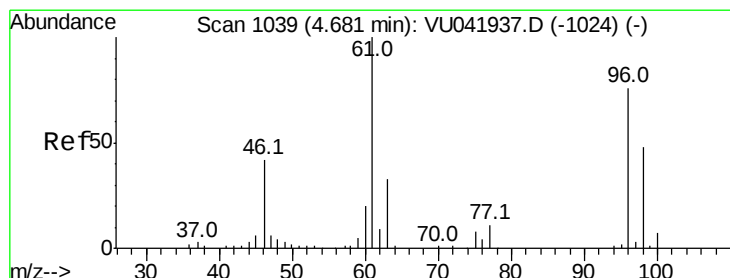
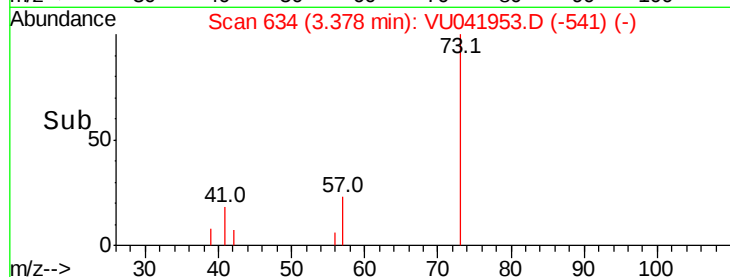
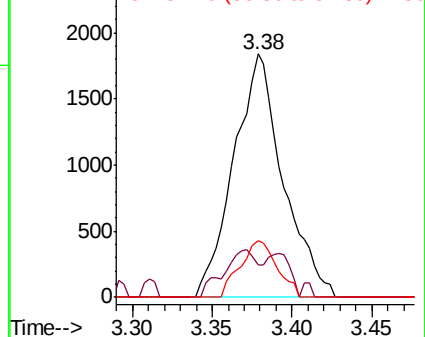
57 17.1 18.3 27.5#



Abundance Ion 73.10 (72.80 to 73.80): VU041953.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU041953.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU041953.D (-541) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.187 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU041953.D

Acq: 12 Jan 2021 04:35

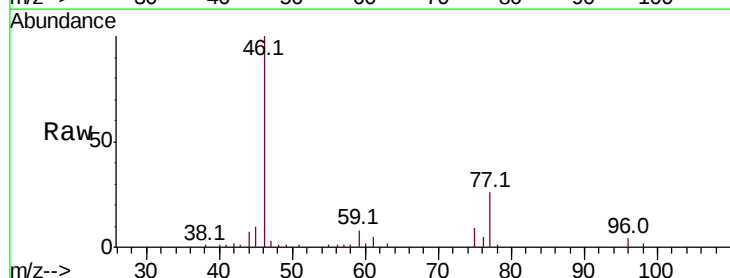
Tgt Ion: 96 Resp: 1721

Ion Ratio Lower Upper

96 100

61 132.6 90.3 167.7

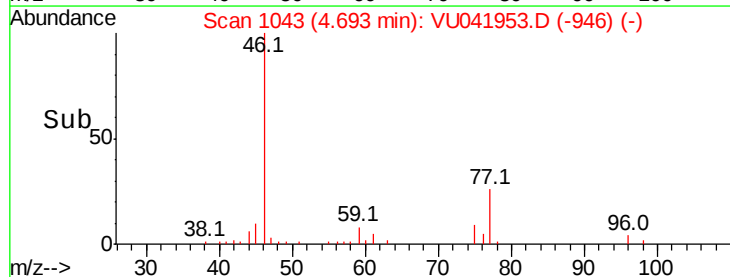
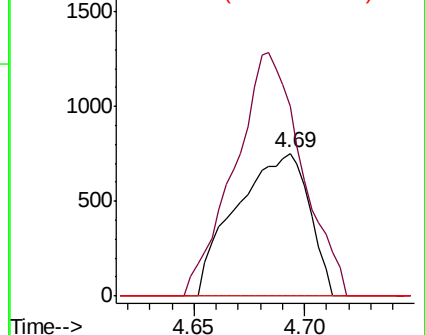
68 0.0 0.0 0.0

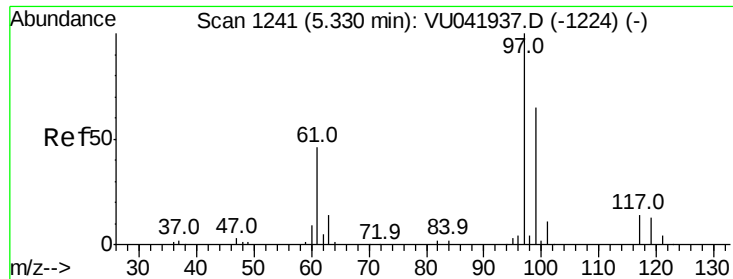


Abundance Ion 96.00 (95.70 to 96.70): VU041953.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041953.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041953.D (-946) (-)

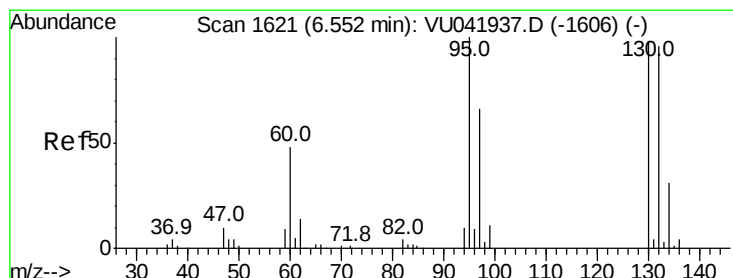
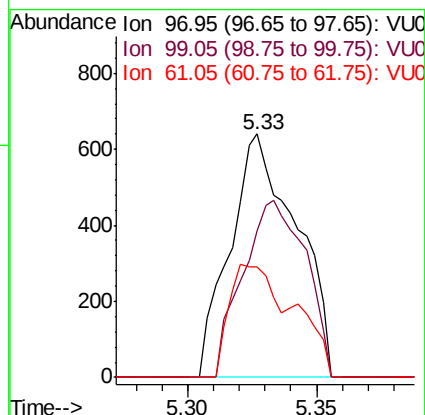
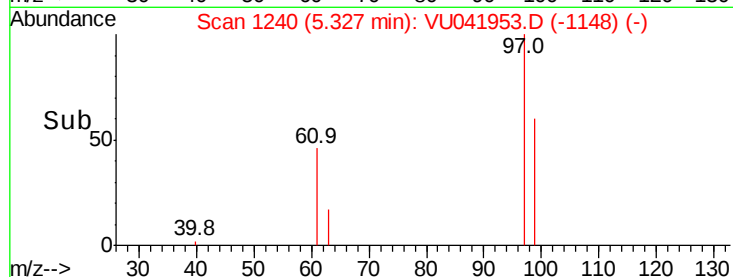
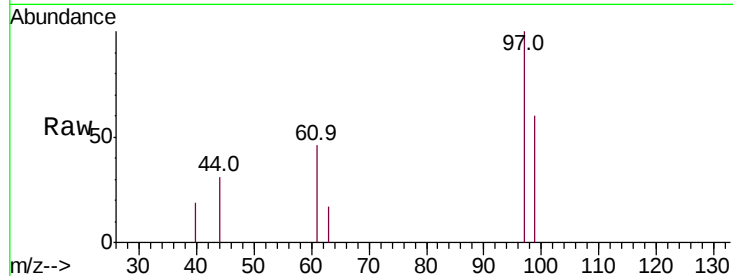




#29
1,1,1-Trichloroethane
Concen: 0.079 ug/L
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU041953.D
Acq: 12 Jan 2021 04:35

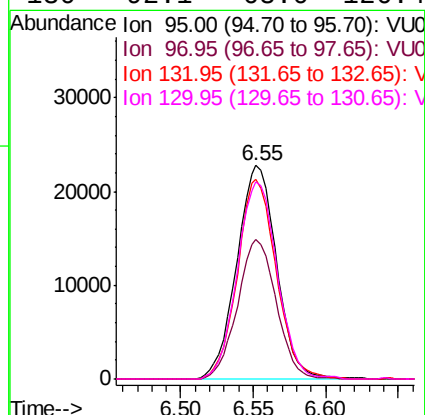
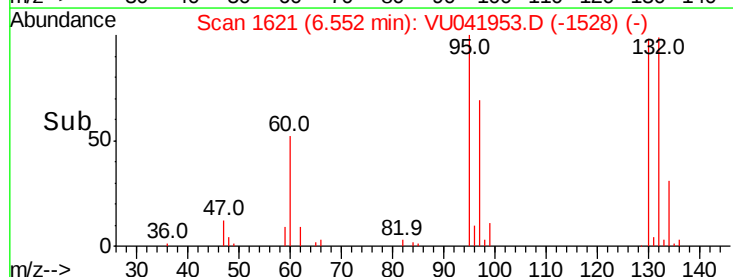
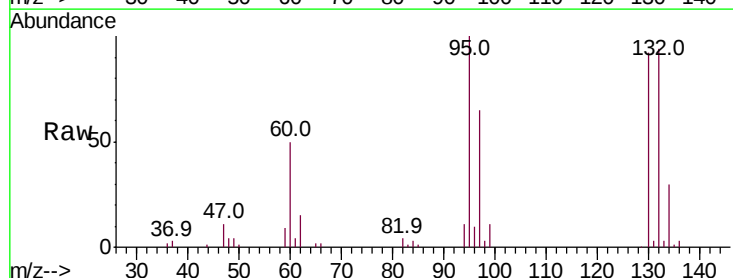
Instrument :
MSVOA_U
ClientSampled :
BFXL0

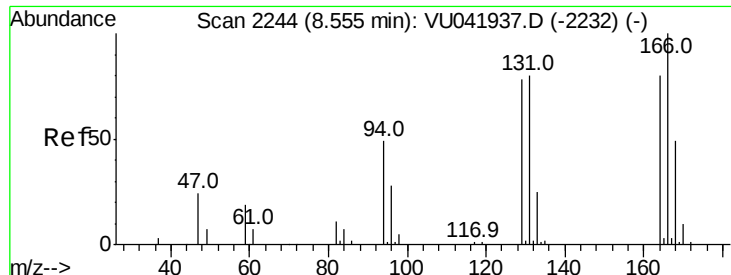
Tot Ion: 97 Resp: 1148
Ion Ratio Lower Upper
97 100
99 69.1 51.4 77.2
61 44.9 35.3 52.9



#34
Trichloroethene
Concen: 4.624 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041953.D
Acq: 12 Jan 2021 04:35

Tgt Ion: 95 Resp: 43519
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 93.5 68.7 127.5
130 92.1 68.0 126.4





#47

Tetrachloroethene

Concen: 2.562 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041953.D

Acq: 12 Jan 2021 04:35

Instrument :

MSVOA_U

ClientSampleId :

BFXL0

Tot Ion:164 Resp: 16777

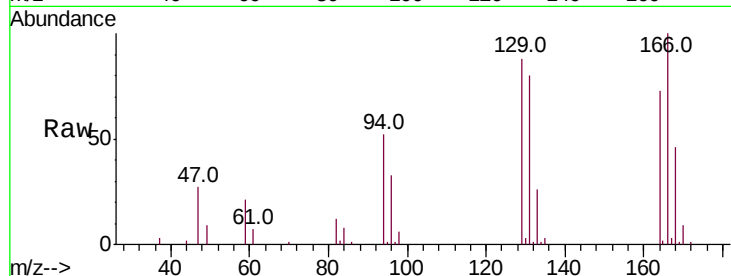
Ion Ratio Lower Upper

164 100

129 120.5 69.2 128.6

131 109.2 69.7 129.5

166 136.7 89.2 165.8



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

