

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041160.D
 Acq On : 09 Nov 2020 23:29
 Operator : SY/MD
 Sample : L4673-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T2

Quant Time: Nov 10 05:42:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58106	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57316	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25874	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15316	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.92	69	15610	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.58	63	26928	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.66	46	89352	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	5.08	84	42596	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	27730	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	72711	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.70	67	26650	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.91	98	60627	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.19	79	9722	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.64	63	61963	53.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24018	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	26074	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

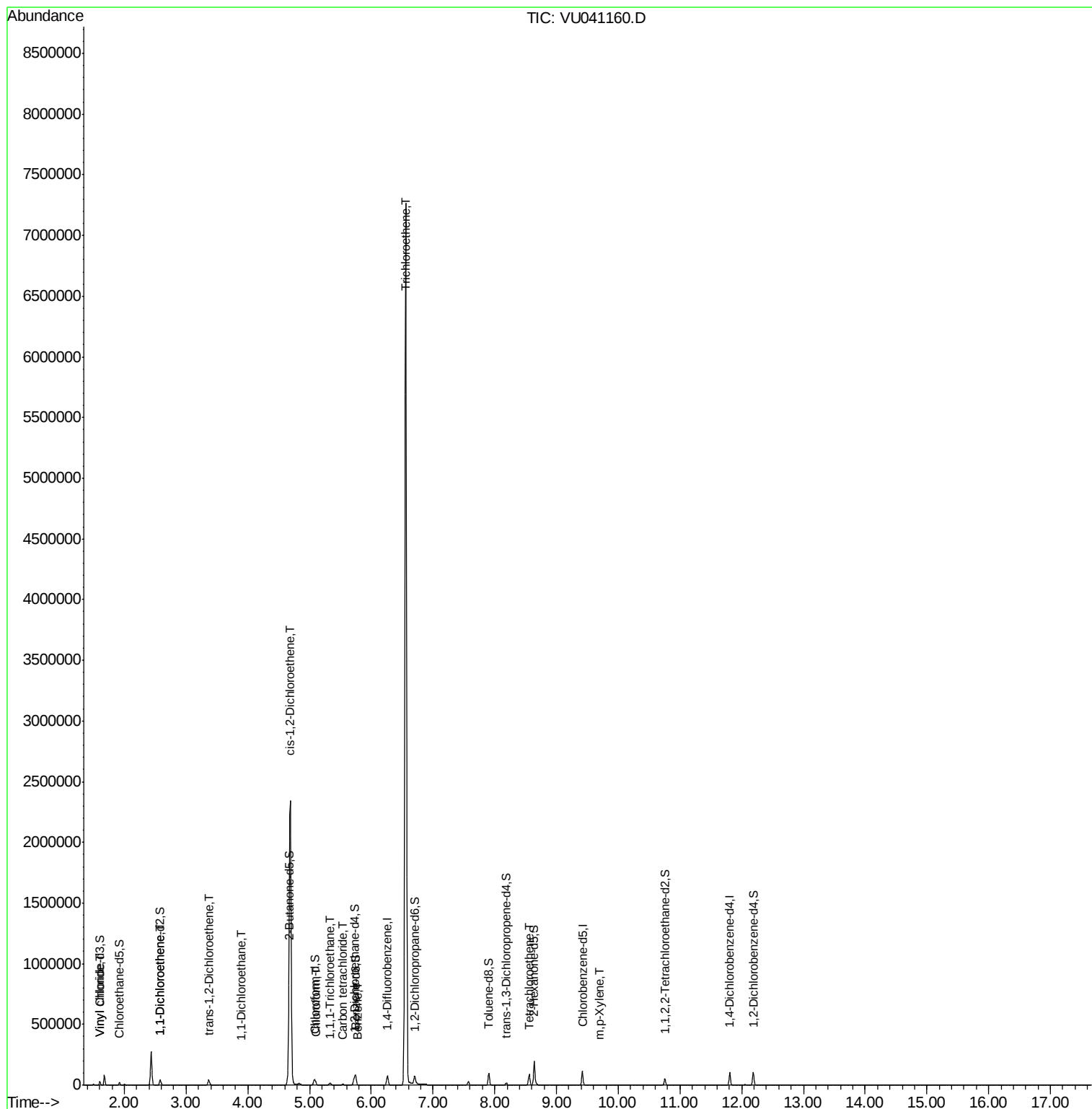
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	1533	0.281	ug/L	87
12) 1,1-Dichloroethene	2.59	96	2074	0.505	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	16485	3.952	ug/L	99
19) 1,1-Dichloroethane	3.89	63	2126	0.255	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	1119236	260.134	ug/L	96
25) Chloroform	5.11	83	3188	0.381	ug/L	91
29) 1,1,1-Trichloroethane	5.33	97	10344	1.476	ug/L #	93
31) Carbon tetrachloride	5.54	117	5169	0.833	ug/L	94
33) Benzene	5.79	78	2577	0.150	ug/L	100
34) Trichloroethene	6.56	95	2407934	552.480	ug/L	96
47) Tetrachloroethene	8.56	164	18703	5.836	ug/L	97
53) m,p-Xylene	9.69	106	1064	0.160	ug/L	98

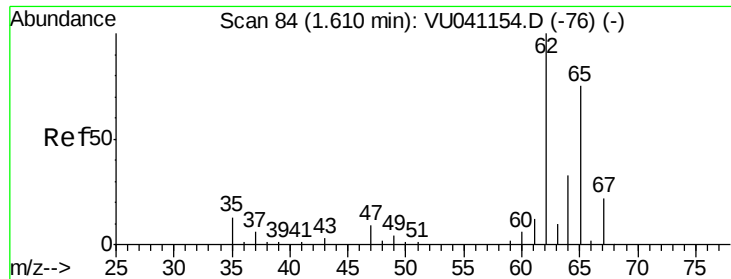
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.281 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

Instrument :

MSVOA_U

ClientSampled :

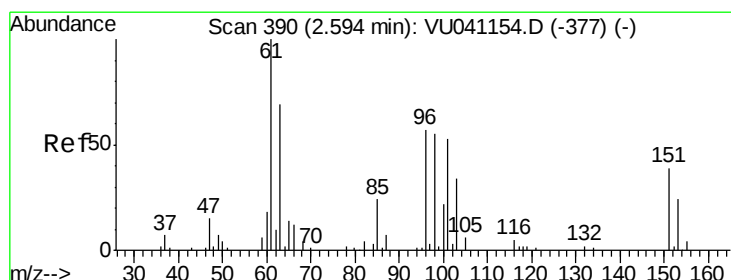
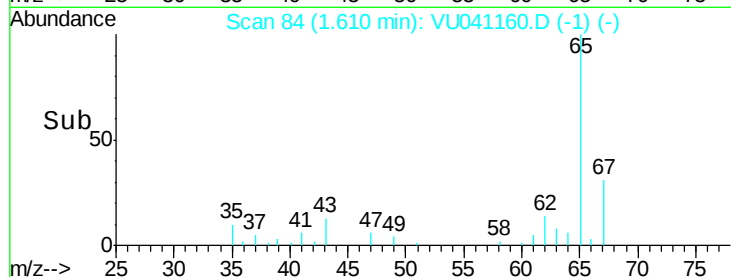
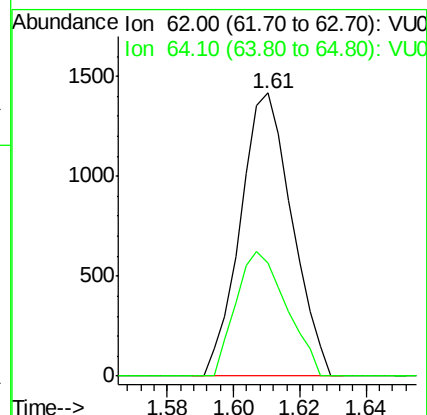
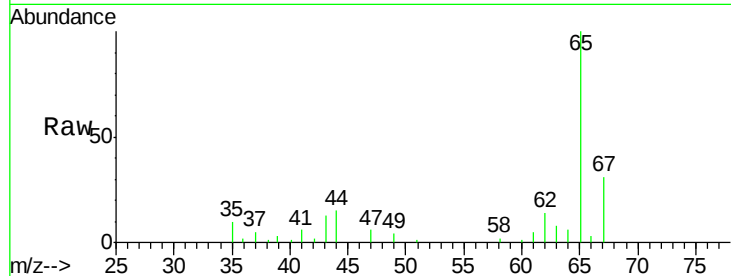
GB0T2

Tot Ion: 62 Resp: 1533

Ion Ratio Lower Upper

62 100

64 39.9 22.7 42.3



#12

1,1-Dichloroethene

Concen: 0.505 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

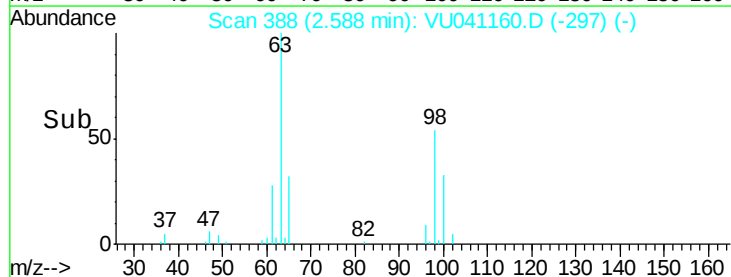
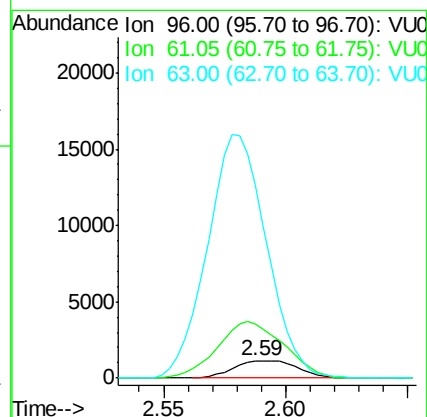
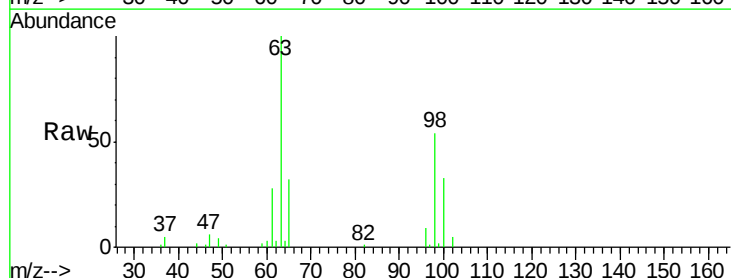
Tgt Ion: 96 Resp: 2074

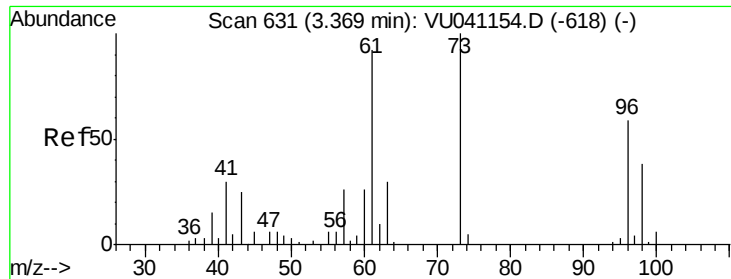
Ion Ratio Lower Upper

96 100

61 308.6 134.3 249.5#

63 1106.4 95.0 176.4#

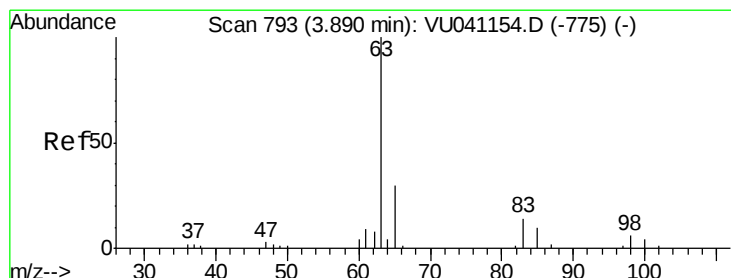
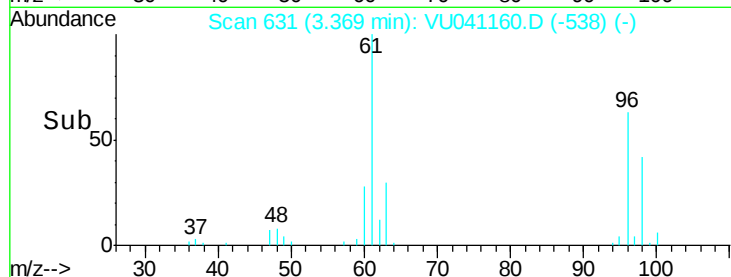
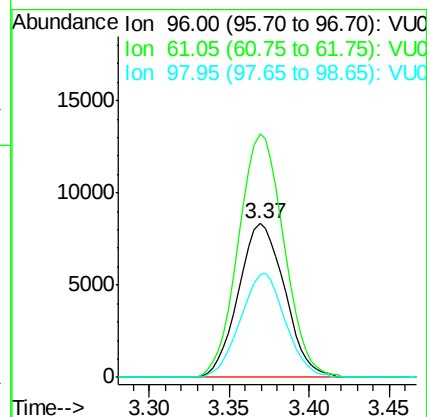
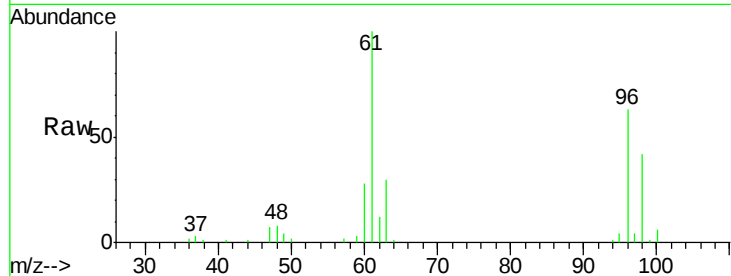




#18
trans-1,2-Dichloroethene
Concen: 3.952 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041160.D
Acq: 09 Nov 2020 23:29

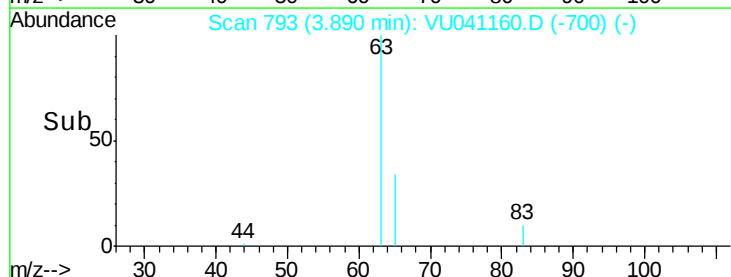
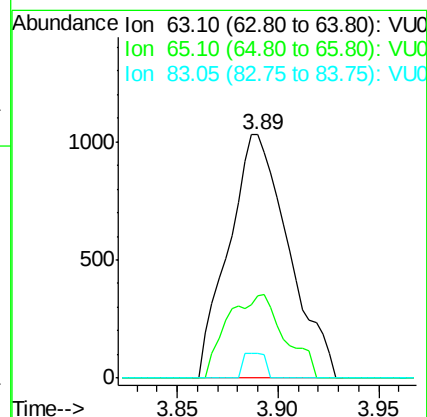
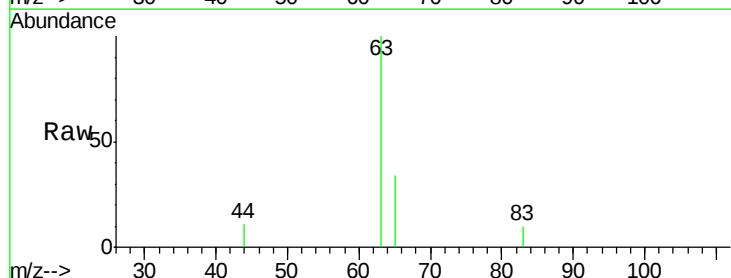
Instrument :
MSVOA_U
ClientSampleId :
GB0T2

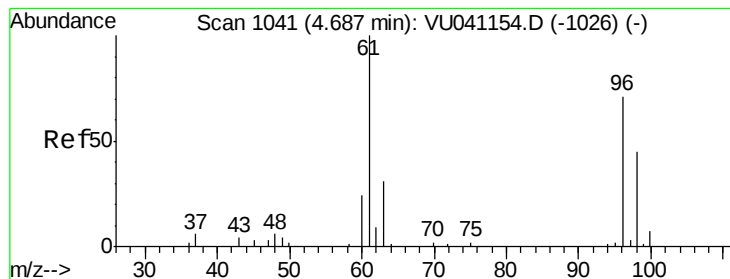
Tot Ion: 96 Resp: 16485
Ion Ratio Lower Upper
96 100
61 158.4 110.9 205.9
98 66.6 45.4 84.2



#19
1,1-Dichloroethane
Concen: 0.255 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU041160.D
Acq: 09 Nov 2020 23:29

Tgt Ion: 63 Resp: 2126
Ion Ratio Lower Upper
63 100
65 34.0 21.3 39.6
83 10.2 8.8 16.3





#22

cis-1,2-Dichloroethene

Concen: 260.134 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

Instrument :

MSVOA_U

ClientSampleId :

GB0T2

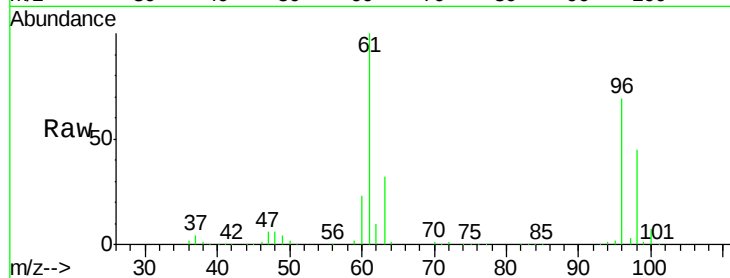
Tot Ion: 96 Resp: 1119236

Ion Ratio Lower Upper

96 100

61 144.0 97.2 180.4

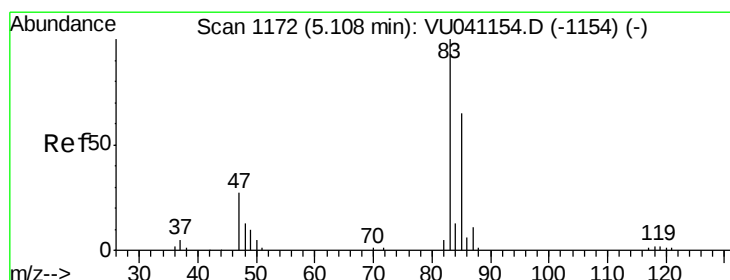
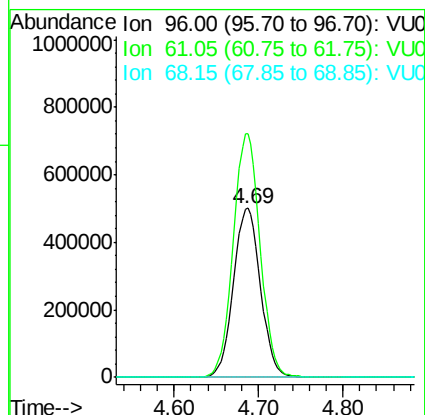
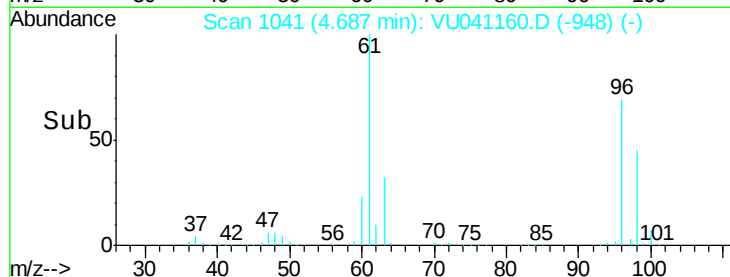
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041160.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041160.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041160.D (-948) (-)



#25

Chloroform

Concen: 0.381 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041160.D

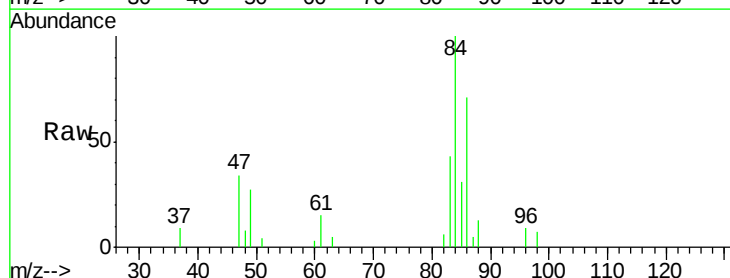
Acq: 09 Nov 2020 23:29

Tgt Ion: 83 Resp: 3188

Ion Ratio Lower Upper

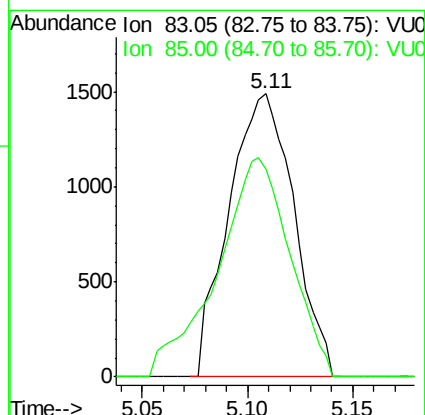
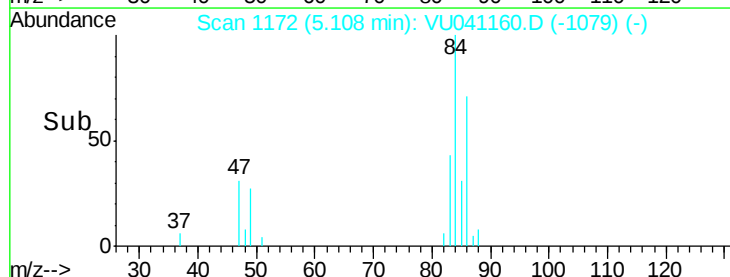
83 100

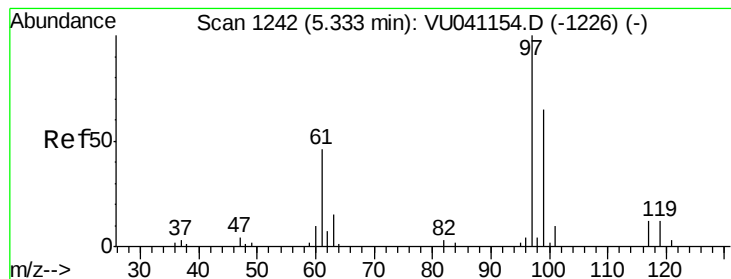
85 73.4 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041160.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU041160.D (-1079) (-)





#29

1,1,1-Trichloroethane

Concen: 1.476 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

Instrument :

MSVOA_U

ClientSampleId :

GB0T2

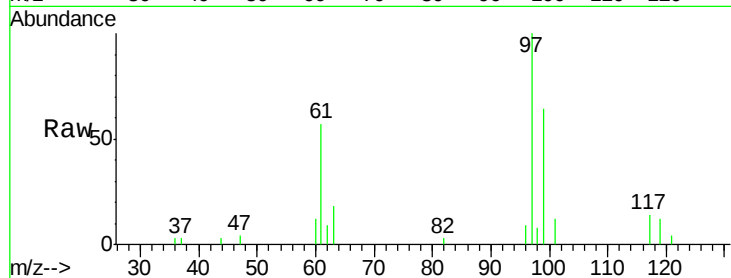
Tot Ion: 97 Resp: 10344

Ion Ratio Lower Upper

97 100

99 65.6 53.4 80.0

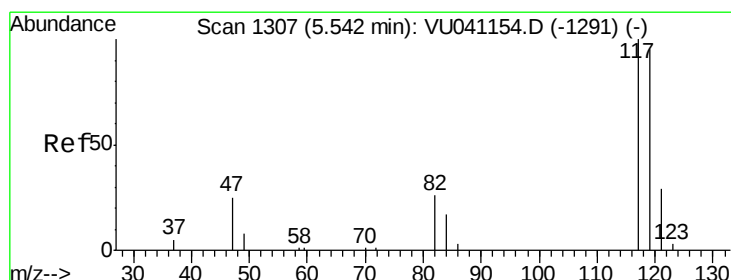
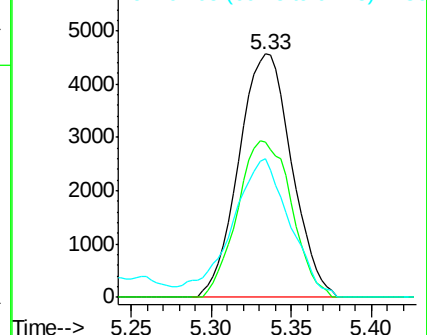
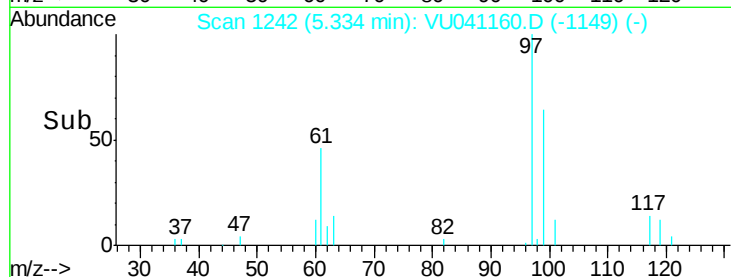
61 62.8 41.6 62.4#



Abundance Ion 96.95 (96.65 to 97.65): VU041160.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU041160.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041160.D (-1149) (-)



#31

Carbon tetrachloride

Concen: 0.833 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041160.D

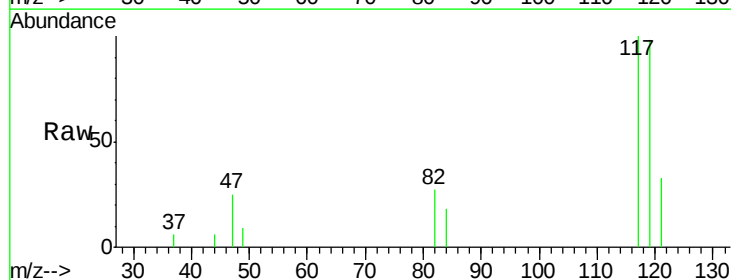
Acq: 09 Nov 2020 23:29

Tgt Ion: 117 Resp: 5169

Ion Ratio Lower Upper

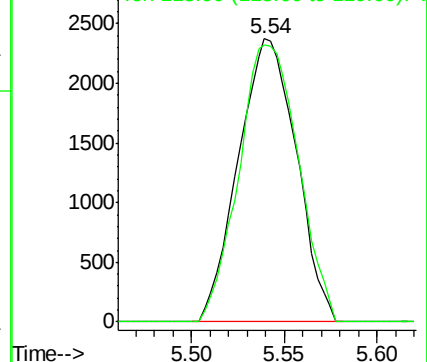
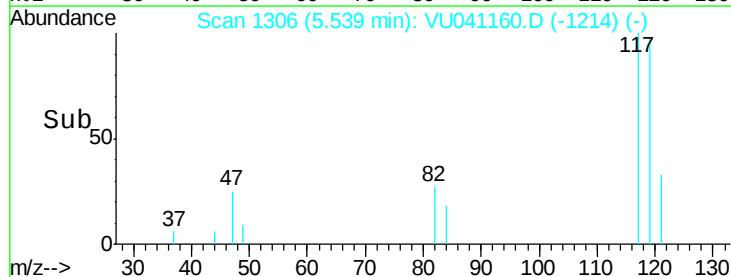
117 100

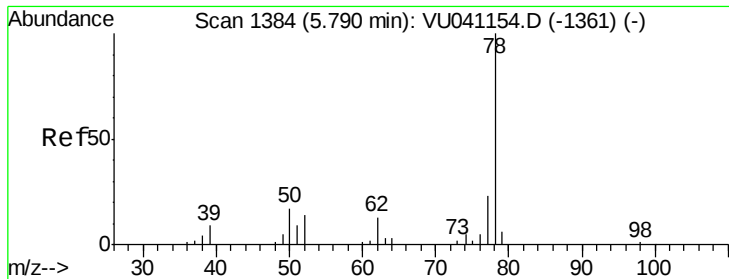
119 100.5 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): VU041160.D (-1214) (-)

Ion 118.90 (118.60 to 119.60): VU041160.D (-1214) (-)





#33

Benzene

Concen: 0.150 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

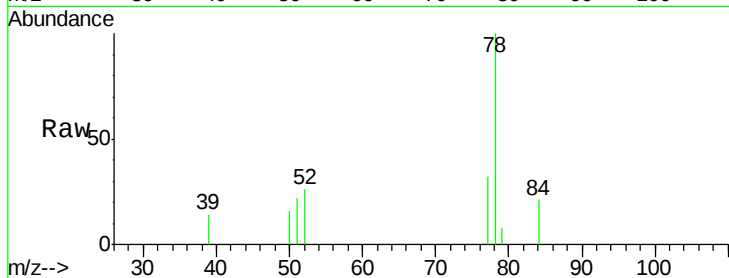
Instrument :

MSVOA_U

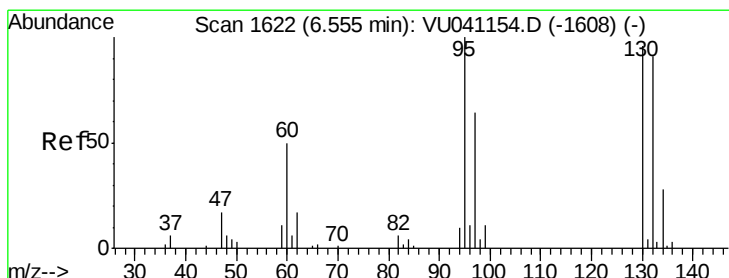
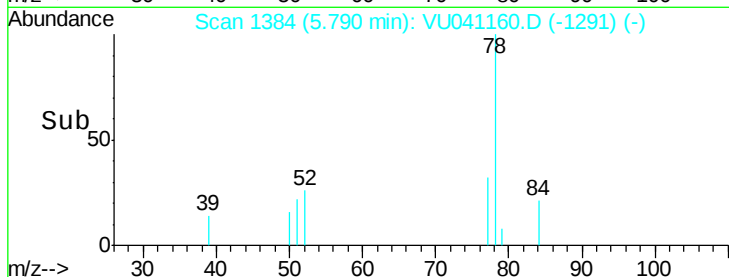
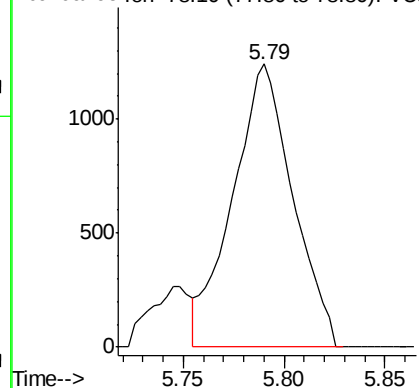
ClientSampled :

GB0T2

Tgt Ion: 78 Resp: 2577



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 552.480 ug/L

RT: 6.56 min Scan# 1623

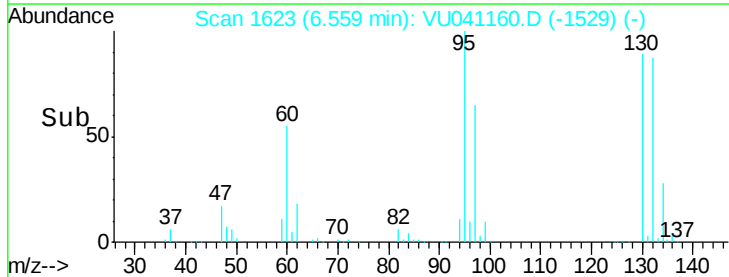
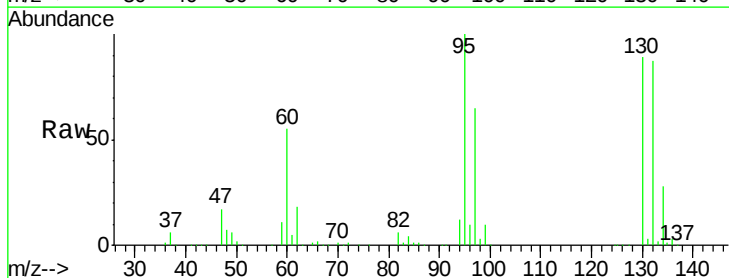
Delta R.T. 0.00 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

Tgt Ion: 95 Resp: 2407934

Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.6	84.6
132	86.5	64.8	120.4
130	89.4	64.8	120.4

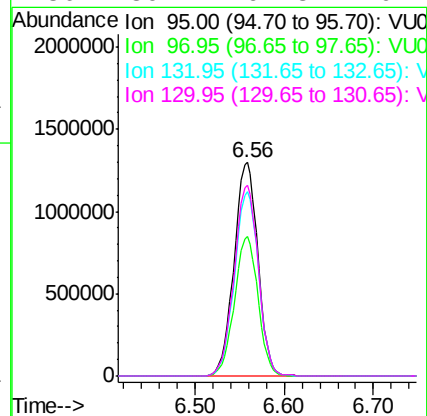


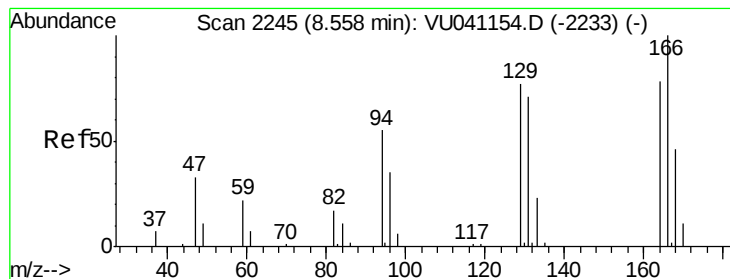
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.836 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041160.D

Acq: 09 Nov 2020 23:29

Instrument :

MSVOA_U

ClientSampleId :

GB0T2

Tot Ion:164 Resp: 18703

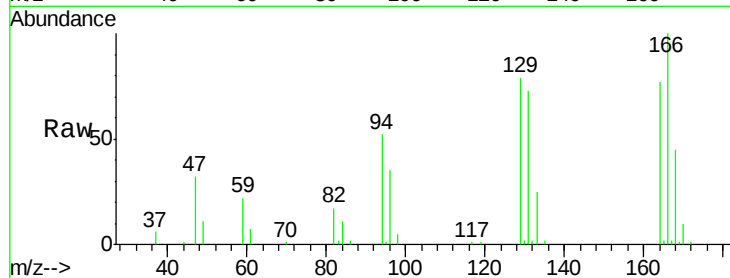
Ion Ratio Lower Upper

164 100

129 101.8 70.3 130.7

131 94.3 70.8 131.4

166 129.5 92.0 170.8

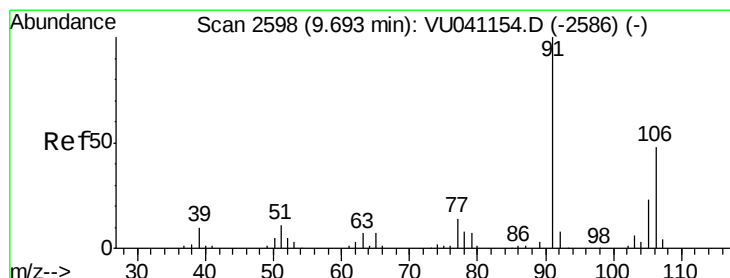
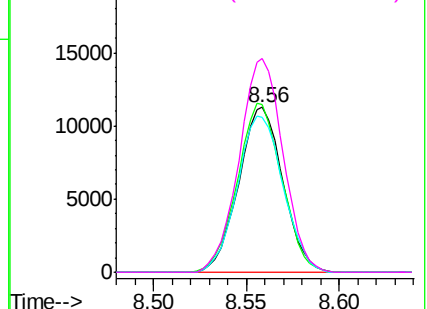
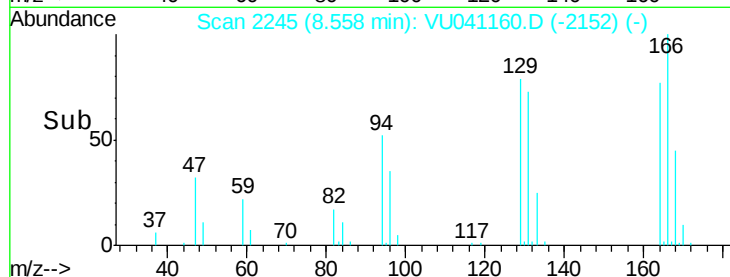


Abundance Ion 163.90 (163.60 to 164.60): V

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



#53

m,p-Xylene

Concen: 0.160 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU041160.D

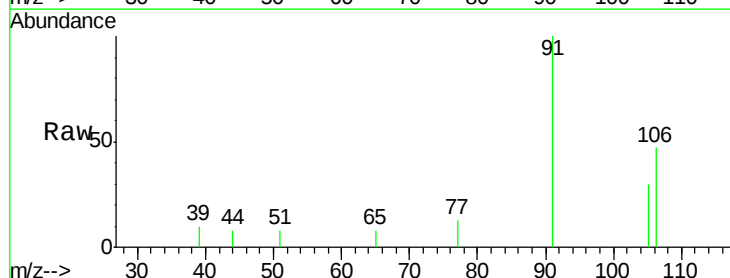
Acq: 09 Nov 2020 23:29

Tgt Ion:106 Resp: 1064

Ion Ratio Lower Upper

106 100

91 212.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

