

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041159.D
 Acq On : 09 Nov 2020 23:06
 Operator : SY/MD
 Sample : L4673-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T1

Quant Time: Nov 10 05:35:25 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	60676	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15854	3.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	1.92	69	14889	3.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.58	63	26100	2.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.20%#
20) 2-Butanone-d5	4.66	46	91071	54.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	5.08	84	41958	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.72	65	27593	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.74	84	73950	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	26193	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	60492	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.19	79	9992	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	63043	51.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24075	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	25953	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

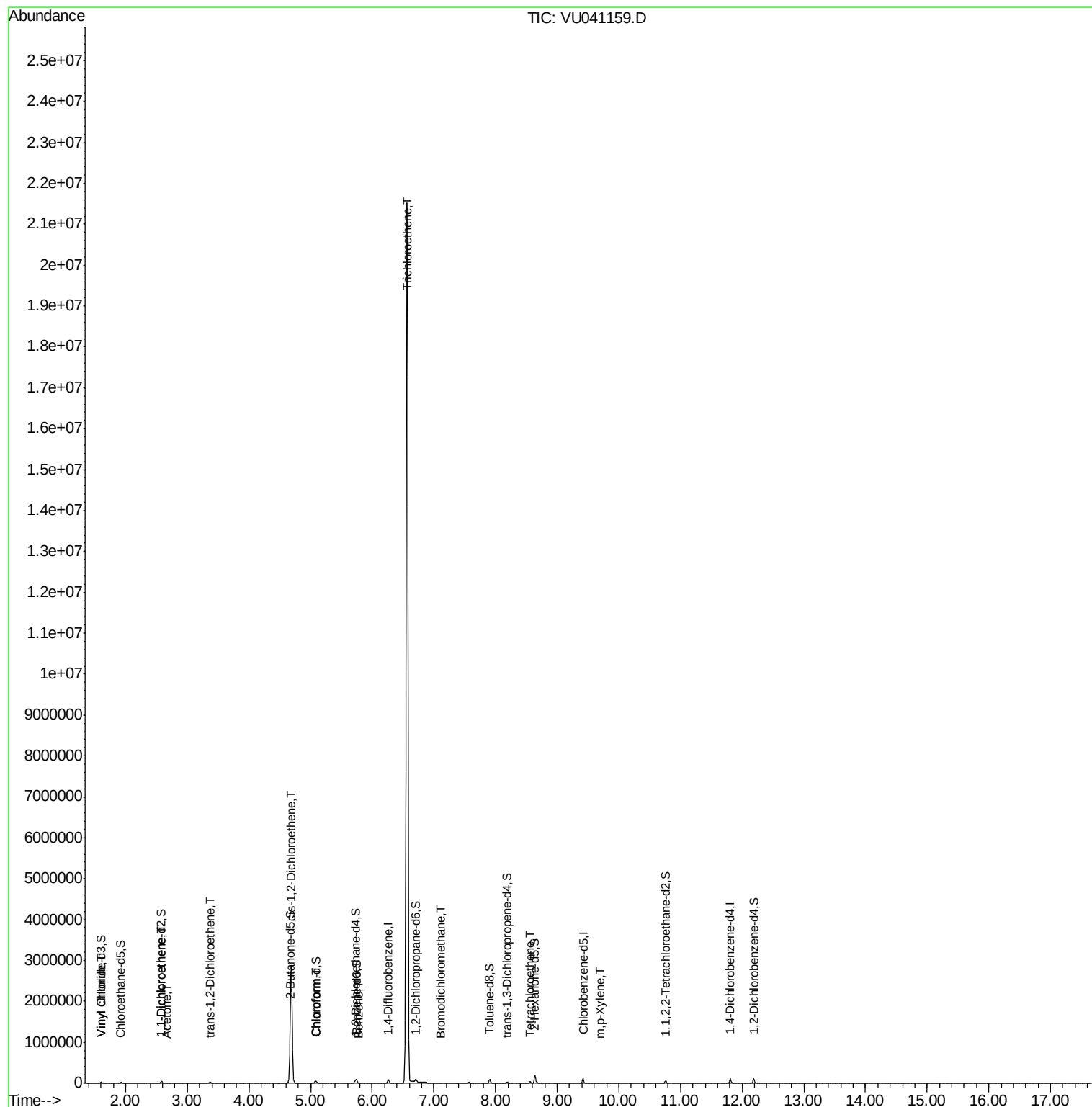
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2273	0.399	ug/L #	77
12) 1,1-Dichloroethene	2.59	96	1630	0.380	ug/L #	1
13) Acetone	2.66	43	1362	1.187	ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	10888	2.500	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	1367370	304.344	ug/L	94
25) Chloroform	5.11	83	6610	0.757	ug/L	92
33) Benzene	5.79	78	2735	0.153	ug/L	100
34) Trichloroethene	6.56	95	7617146	1673.974	ug/L	91
38) Bromodichloromethane	7.11	83	1591	0.254	ug/L #	83
47) Tetrachloroethene	8.56	164	7214	2.156	ug/L	94
53) m,p-Xylene	9.69	106	1029	0.148	ug/L	98

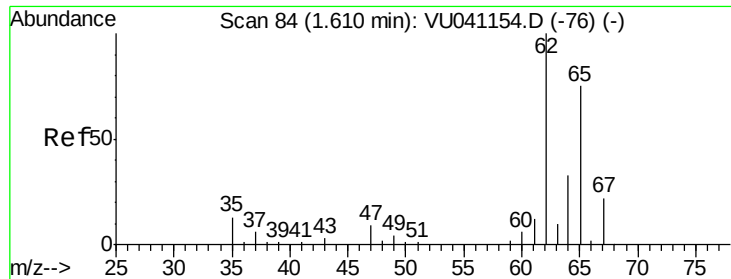
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.399 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

Instrument :

MSVOA_U

ClientSampled :

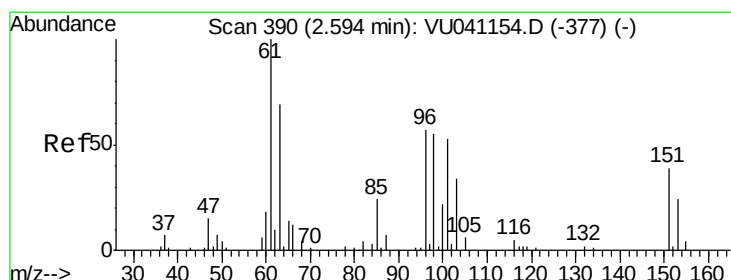
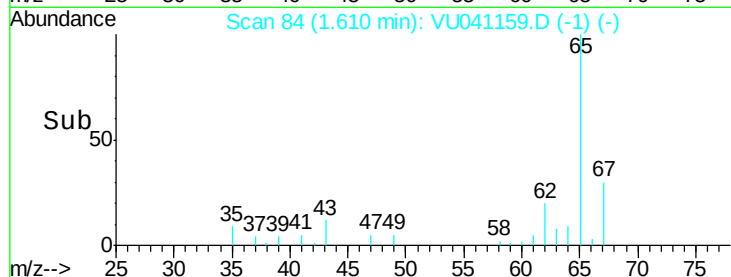
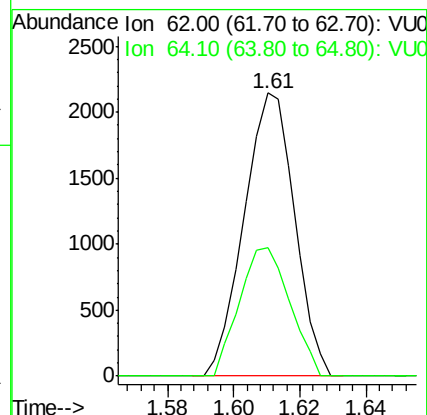
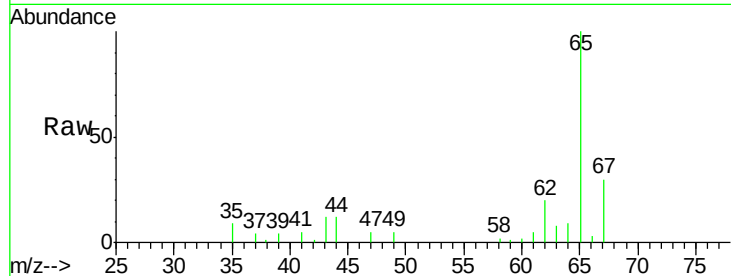
GB0T1

Tot Ion: 62 Resp: 2273

Ion Ratio Lower Upper

62 100

64 45.4 22.7 42.3#



#12

1,1-Dichloroethene

Concen: 0.380 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

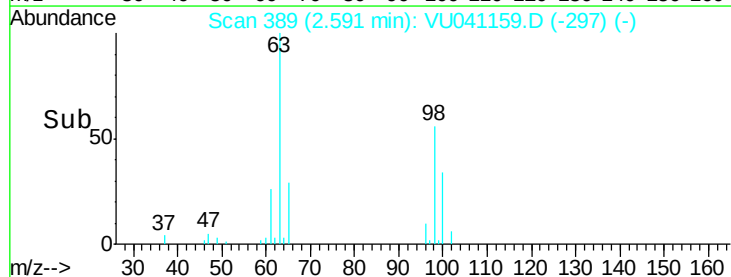
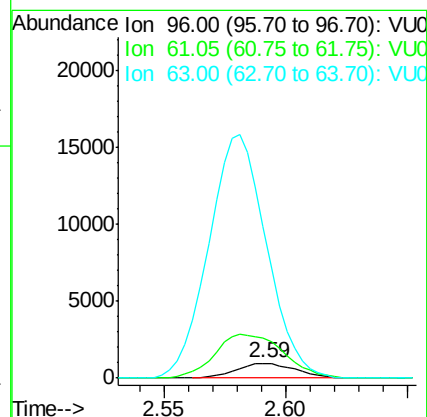
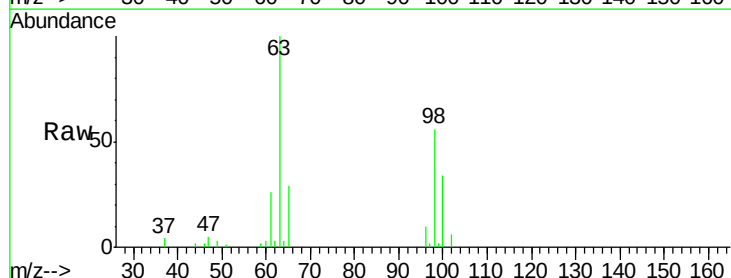
Tgt Ion: 96 Resp: 1630

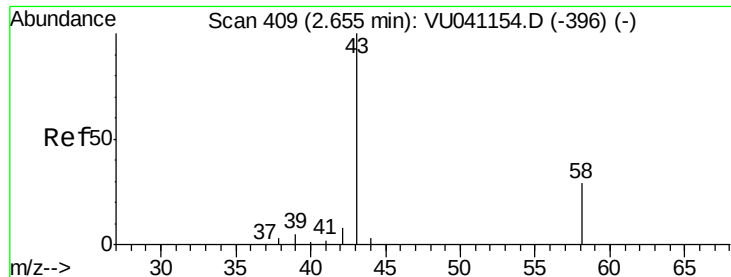
Ion Ratio Lower Upper

96 100

61 264.2 134.3 249.5#

63 1008.6 95.0 176.4#





#13

Acetone

Concen: 1.187 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

Instrument :

MSVOA_U

ClientSampleId :

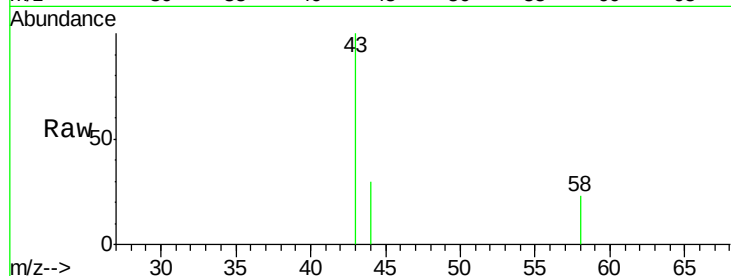
GB0T1

Tot Ion: 43 Resp: 1362

Ion Ratio Lower Upper

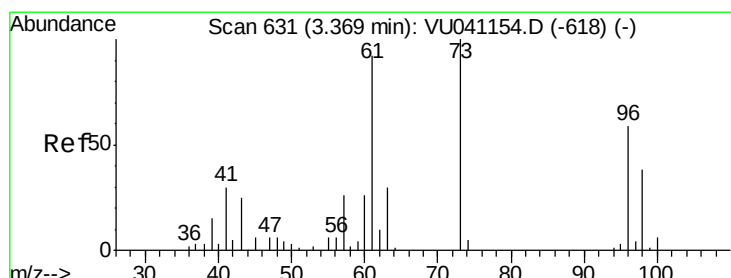
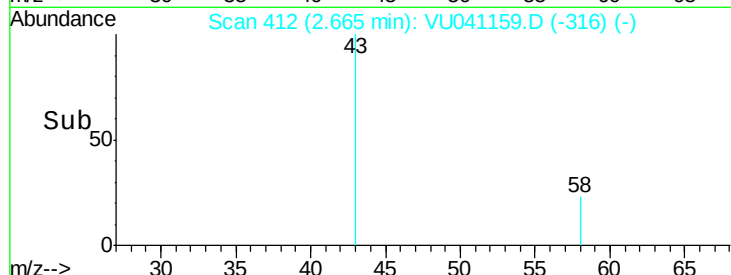
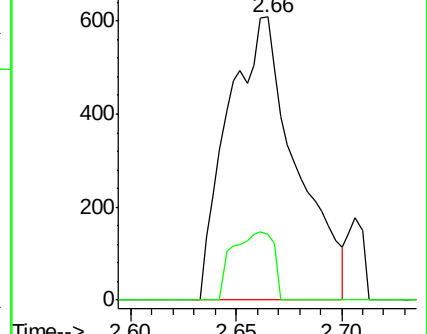
43 100

58 14.5 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 2.500 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

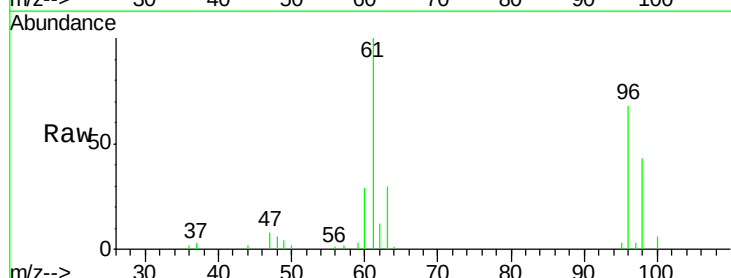
Tgt Ion: 96 Resp: 10888

Ion Ratio Lower Upper

96 100

61 147.3 110.9 205.9

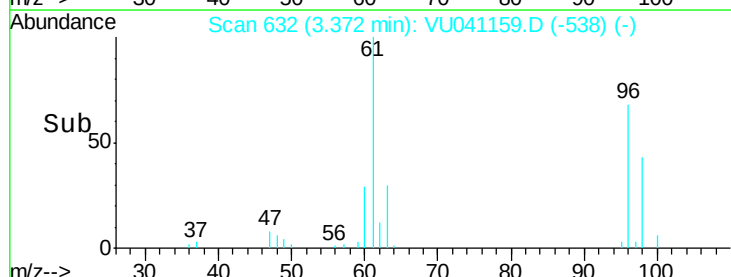
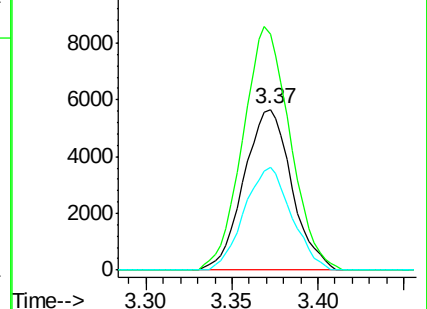
98 63.8 45.4 84.2

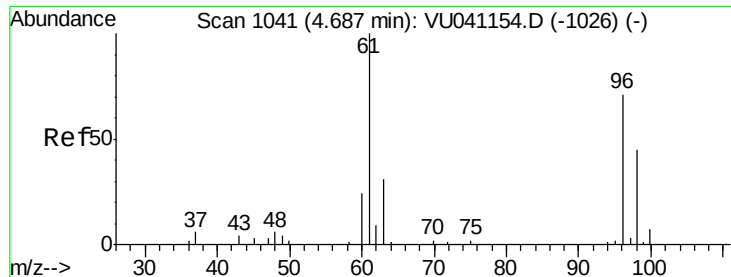


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 304.344 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

Instrument :

MSVOA_U

ClientSampleId :

GB0T1

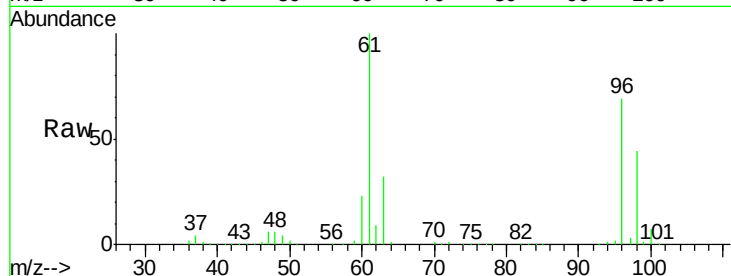
Tot Ion: 96 Resp: 1367370

Ion Ratio Lower Upper

96 100

61 145.6 97.2 180.4

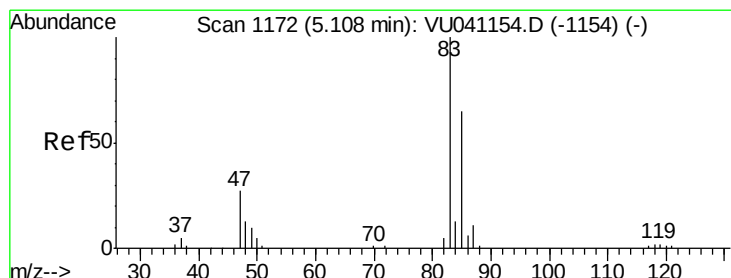
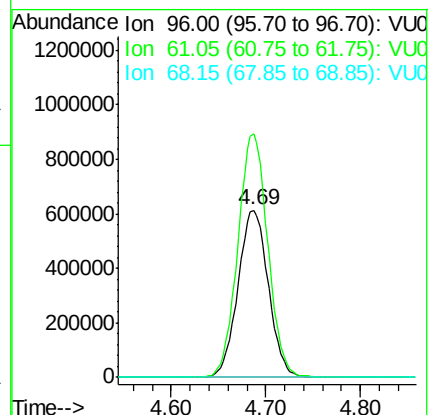
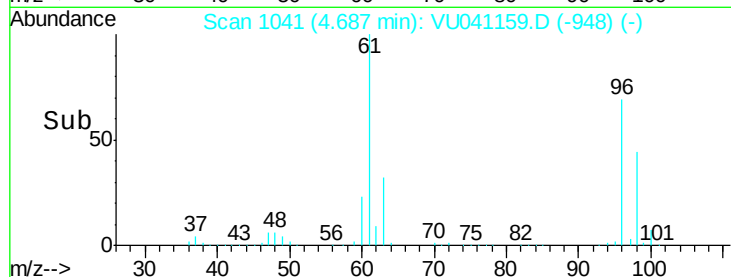
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041159.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041159.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041159.D (-948) (-)



#25

Chloroform

Concen: 0.757 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041159.D

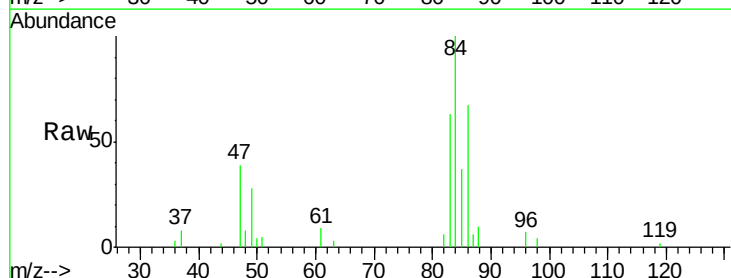
Acq: 09 Nov 2020 23:06

Tgt Ion: 83 Resp: 6610

Ion Ratio Lower Upper

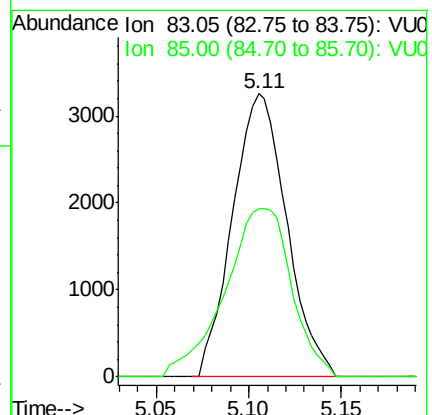
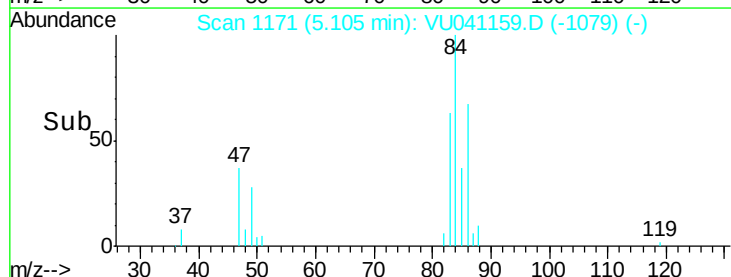
83 100

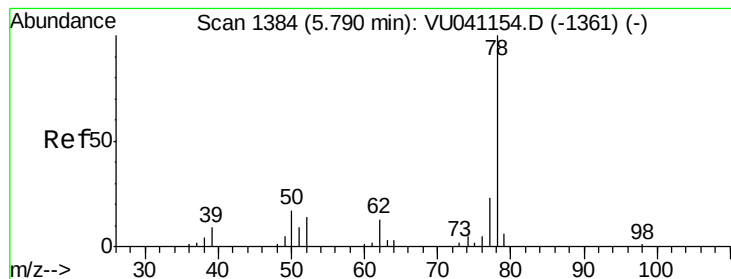
85 59.3 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041159.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU041159.D (-1079) (-)





#33

Benzene

Concen: 0.153 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

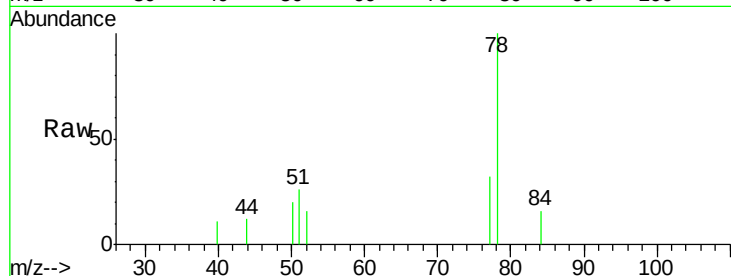
Instrument :

MSVOA_U

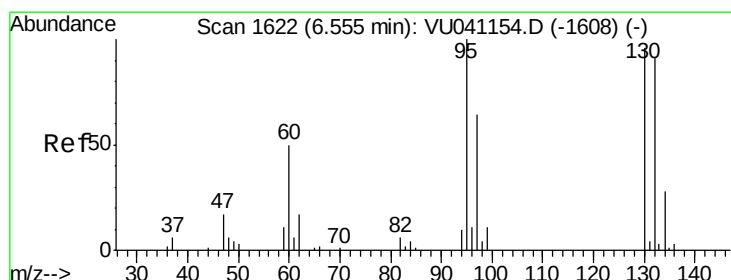
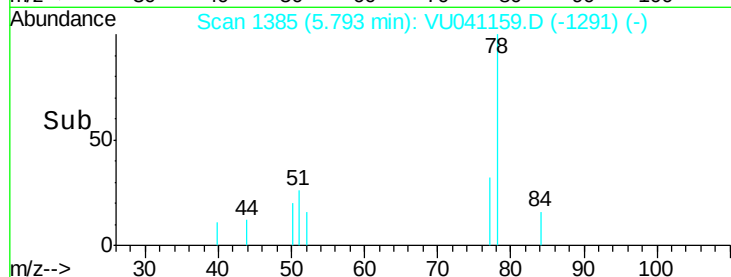
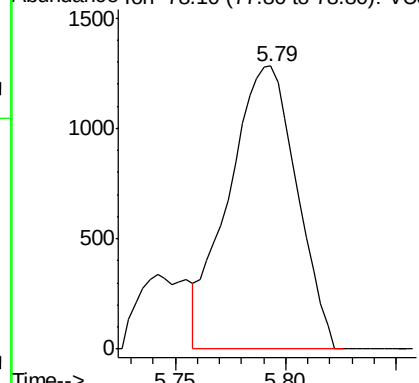
ClientSampled :

GB0T1

Tgt Ion: 78 Resp: 2735



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1673.974 ug/L

RT: 6.56 min Scan# 1625

Delta R.T. 0.01 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

Tgt Ion: 95 Resp: 7617146

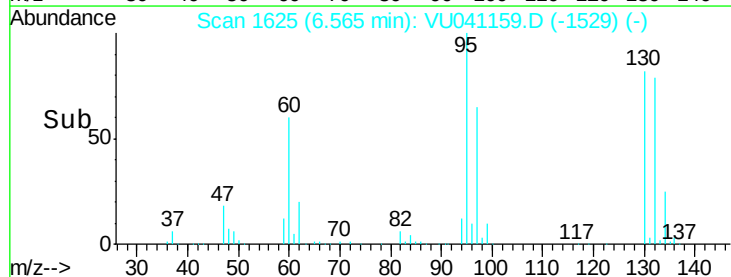
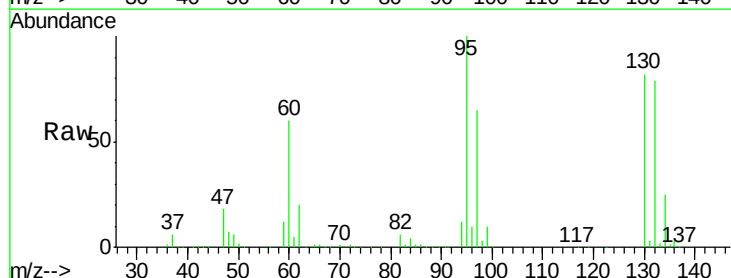
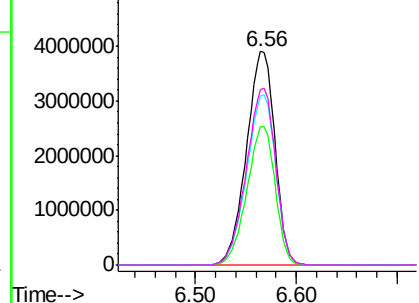
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.6
132	78.9	64.8	120.4
130	82.2	64.8	120.4

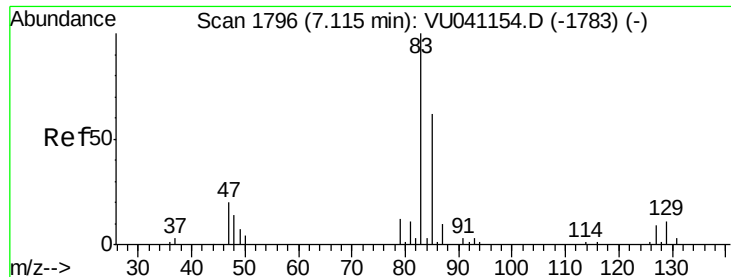
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

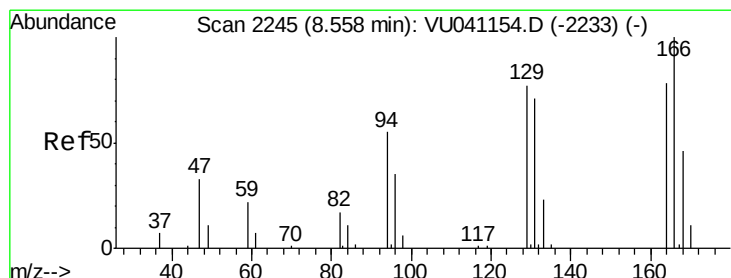
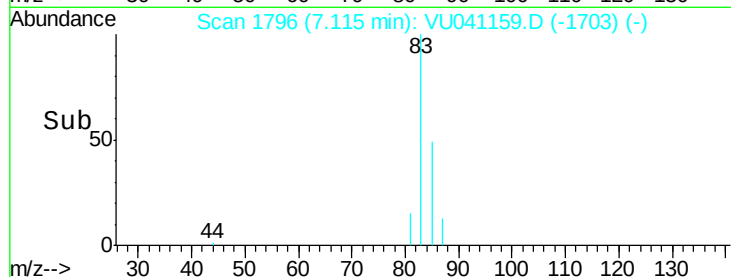
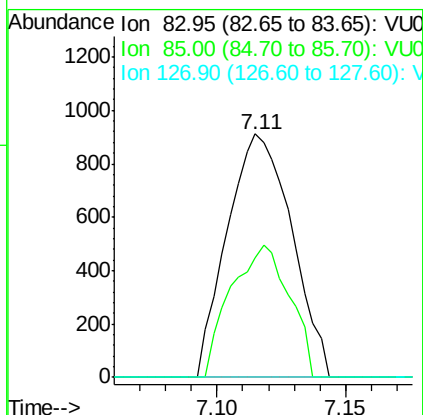
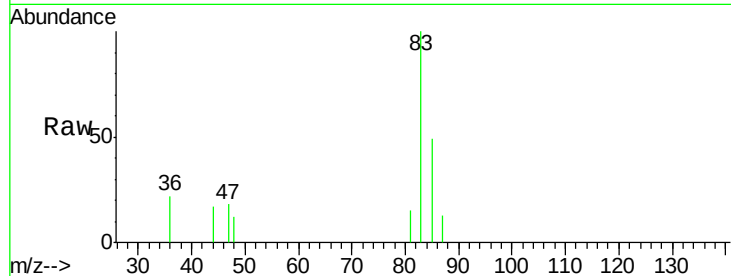




#38
 Bromodichloromethane
 Concen: 0.254 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041159.D
 Acq: 09 Nov 2020 23:06

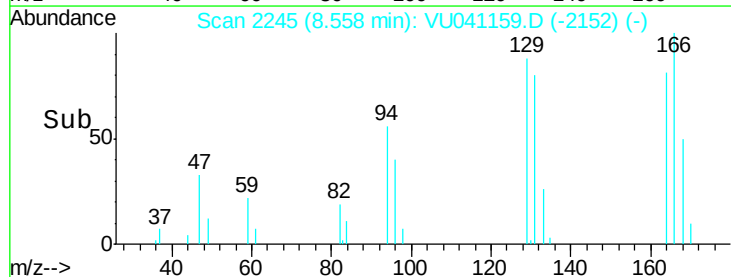
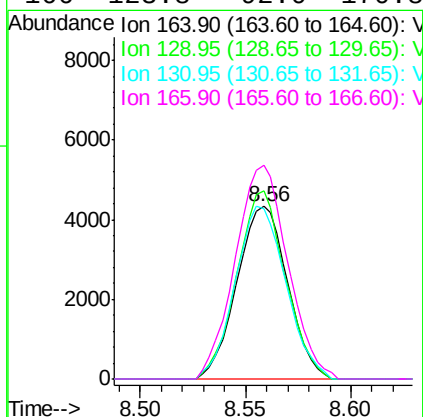
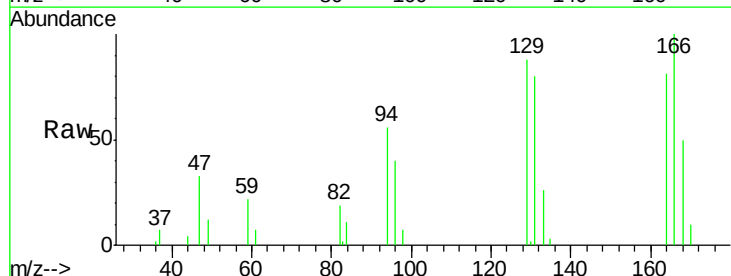
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T1

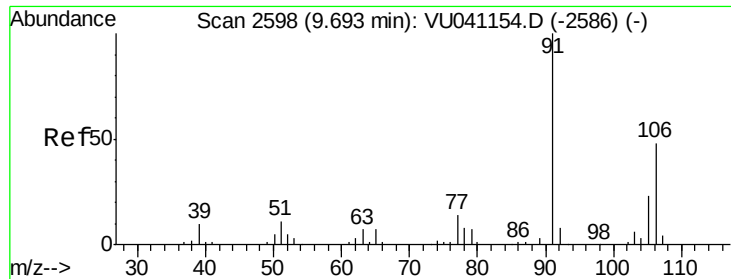
Tot Ion: 83 Resp: 1591
 Ion Ratio Lower Upper
 83 100
 85 48.9 43.3 80.3
 127 0.0 5.9 8.9#



#47
 Tetrachloroethene
 Concen: 2.156 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041159.D
 Acq: 09 Nov 2020 23:06

Tgt Ion: 164 Resp: 7214
 Ion Ratio Lower Upper
 164 100
 129 109.3 70.3 130.7
 131 98.8 70.8 131.4
 166 123.8 92.0 170.8





#53

m,p-Xylene

Concen: 0.148 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041159.D

Acq: 09 Nov 2020 23:06

Instrument :

MSVOA_U

ClientSampleId :

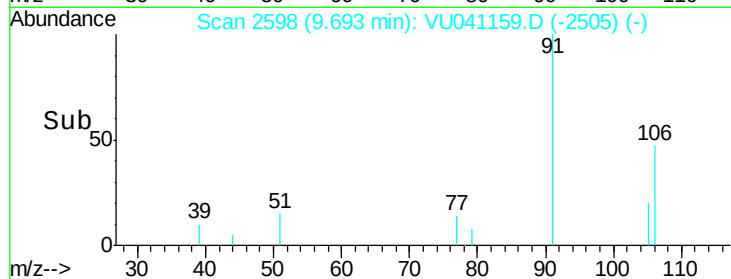
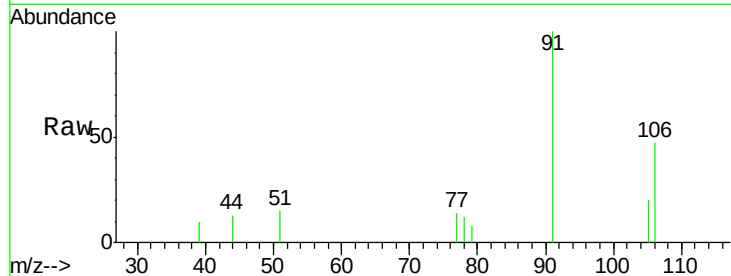
GB0T1

Tot Ion:106 Resp: 1029

Ion Ratio Lower Upper

106 100

91 211.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

