

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041614.D
 Acq On : 14 Dec 2020 16:39
 Operator : SY/MD
 Sample : L5029-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K6

Quant Time: Dec 15 00:49:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132577	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122449	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52541	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45863	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.92	69	38259	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	67925	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	148605	49.91	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.82%
24) Chloroform-d	5.08	84	82461	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.72	65	49501	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	170943	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	54916	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.90	98	145683	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.18	79	22631	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	129842	48.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50104	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51135	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

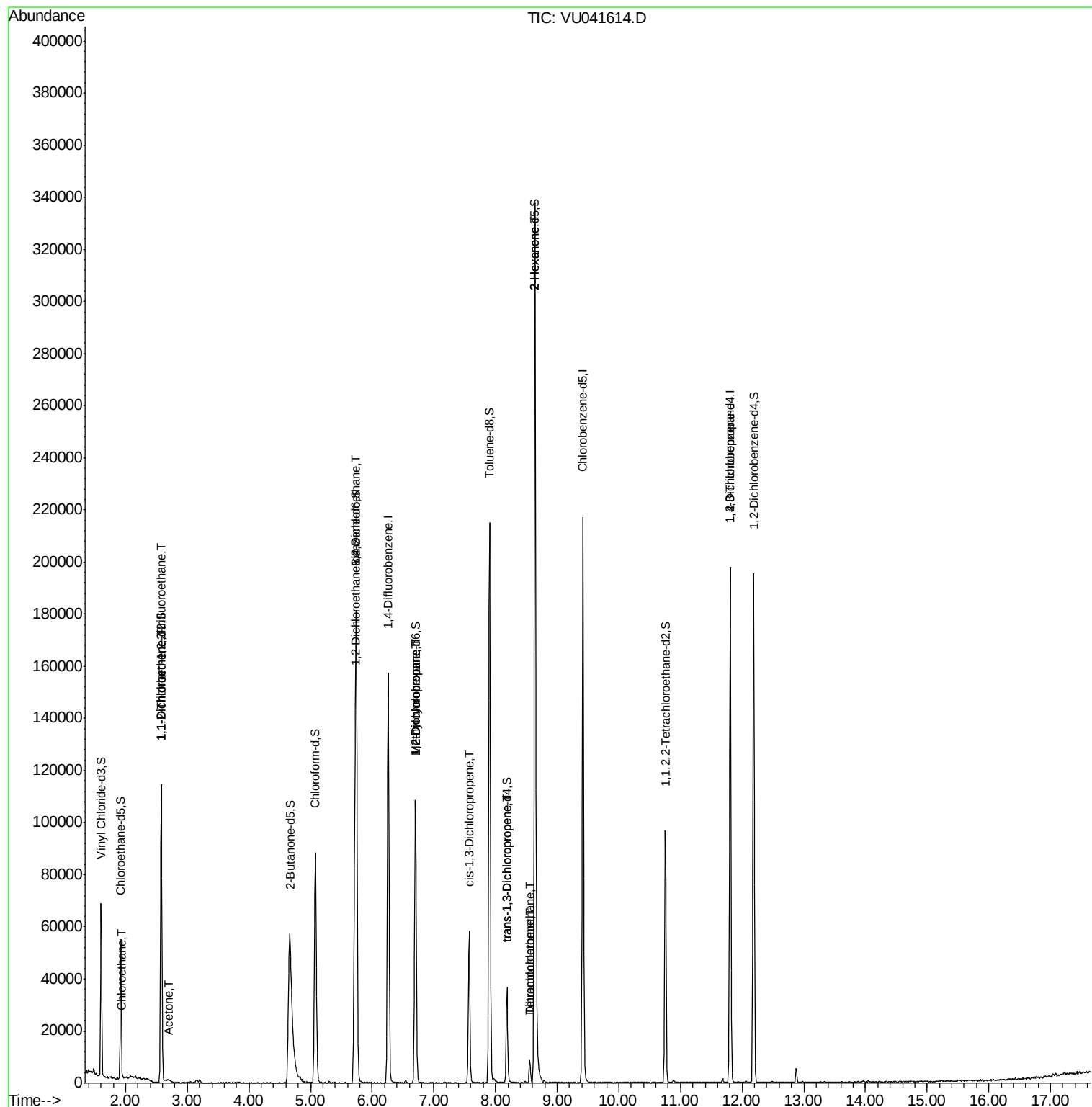
					Ovalue
8) Chloroethane	1.95	64	322	0.039 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	582	0.064 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	486	0.054 ug/L #	1
13) Acetone	2.68	43	1376	0.727 ug/L	93
27) 1,2-Dichloroethane	5.75	62	832	0.070 ug/L #	73
35) Methylcyclohexane	6.70	83	12944	0.814 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5550	0.554 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1293	0.087 ug/L #	77
44) trans-1,3-Dichloropropene	8.18	75	980	0.074 ug/L #	74
47) Tetrachloroethene	8.55	164	1906	0.277 ug/L	90
48) 2-Hexanone	8.64	43	15183	2.927 ug/L #	64
49) Dibromochloromethane	8.56	129	1980	0.233 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6248	0.831 ug/L	89

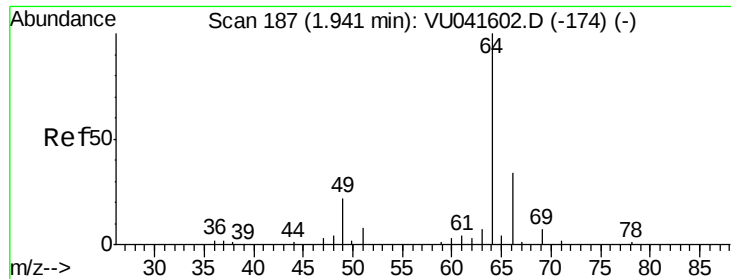
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.039 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

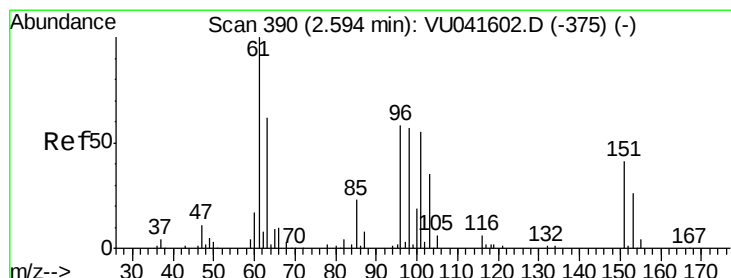
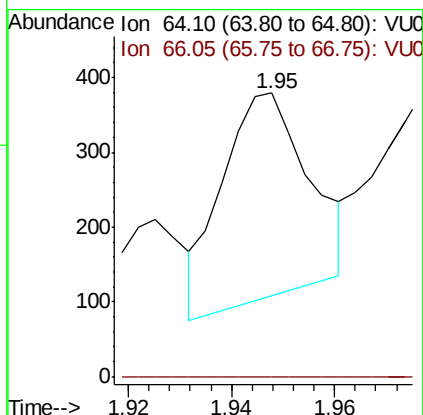
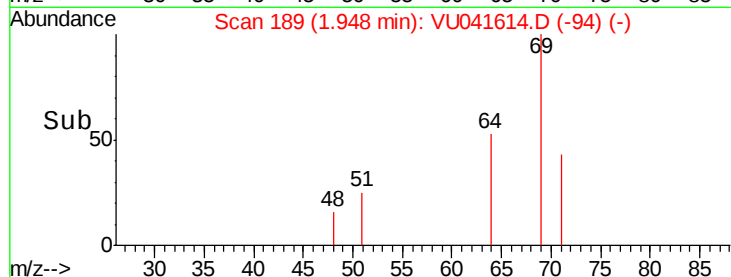
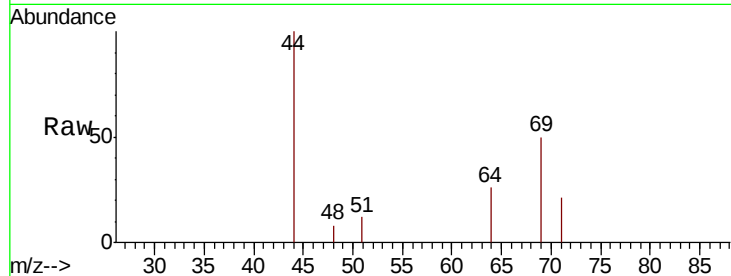
GB1K6

Tot Ion: 64 Resp: 322

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.064 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

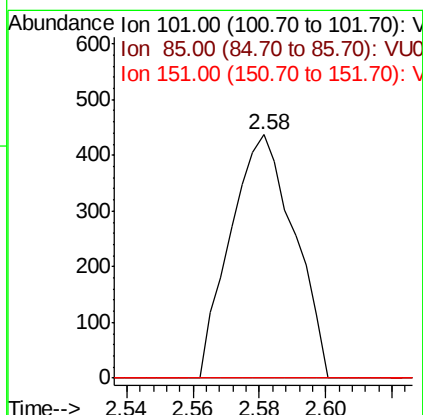
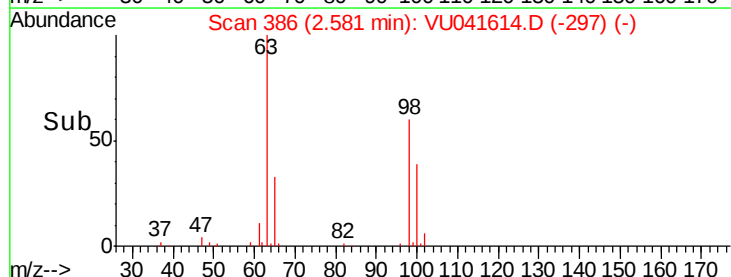
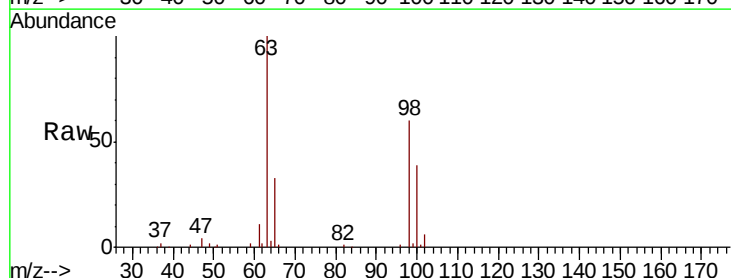
Tgt Ion: 101 Resp: 582

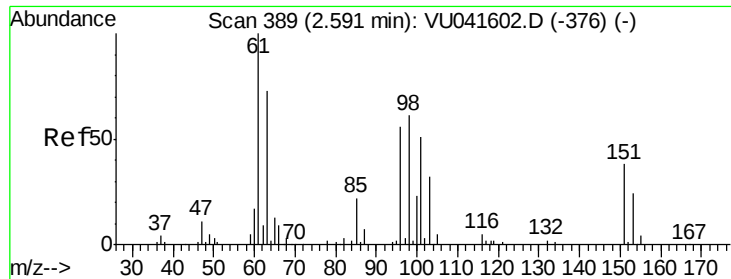
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#





#12

1,1-Dichloroethene

Concen: 0.054 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

GB1K6

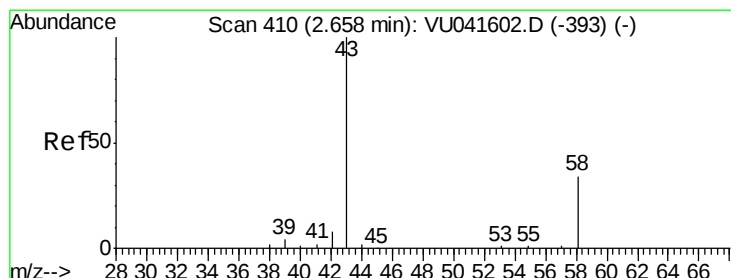
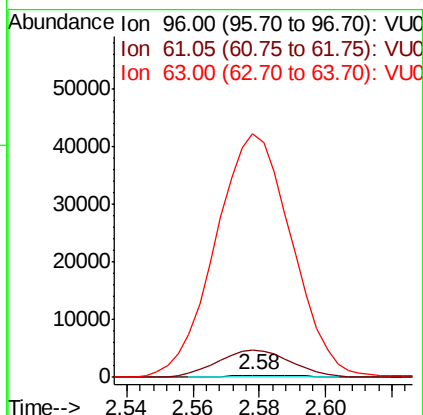
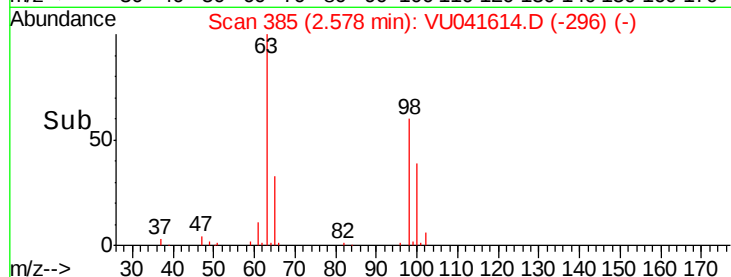
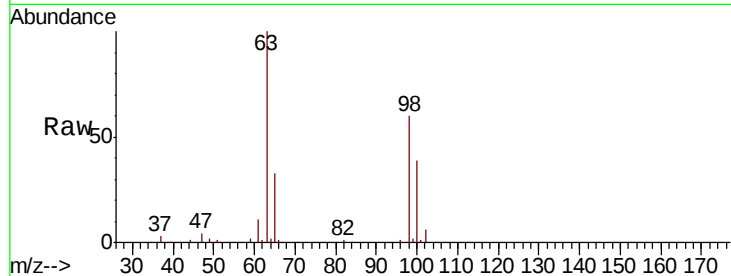
Tot Ion: 96 Resp: 486

Ion Ratio Lower Upper

96 100

61 1622.5 123.8 230.0#

63 14424.6 81.0 150.4#



#13

Acetone

Concen: 0.727 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU041614.D

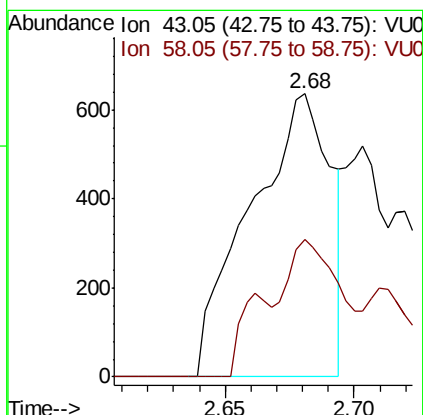
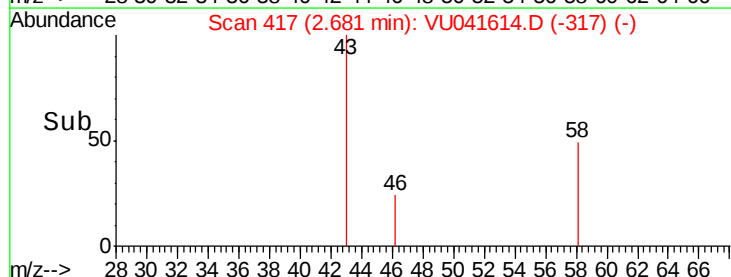
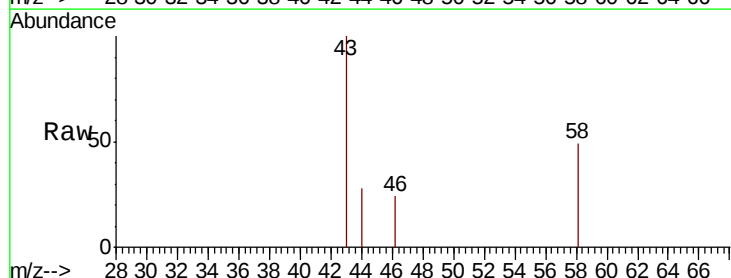
Acq: 14 Dec 2020 16:39

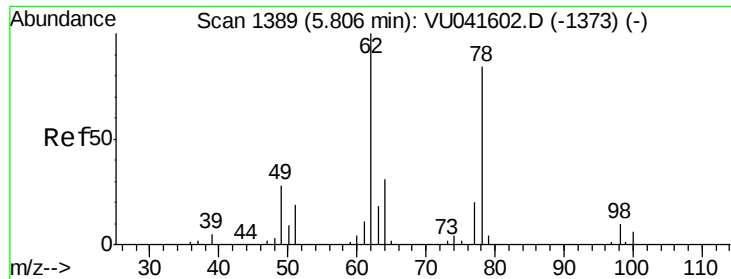
Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

43 100

58 32.5 0.0 73.2

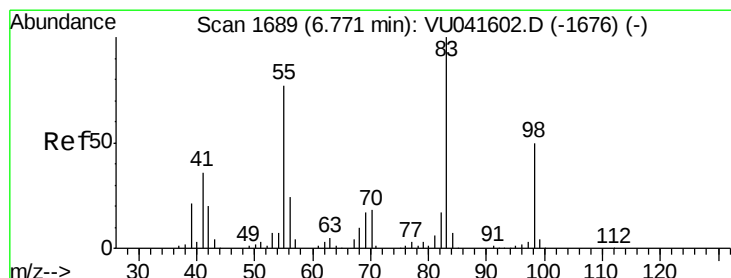
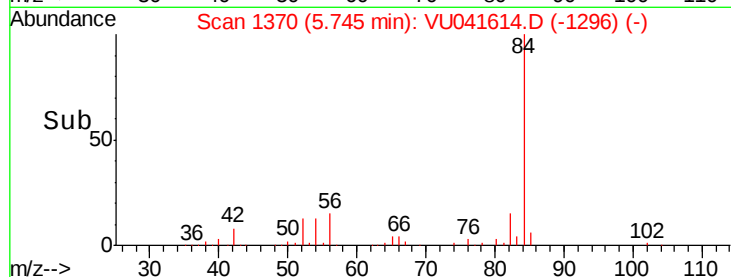
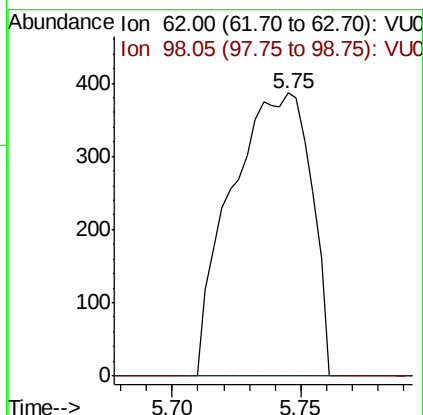
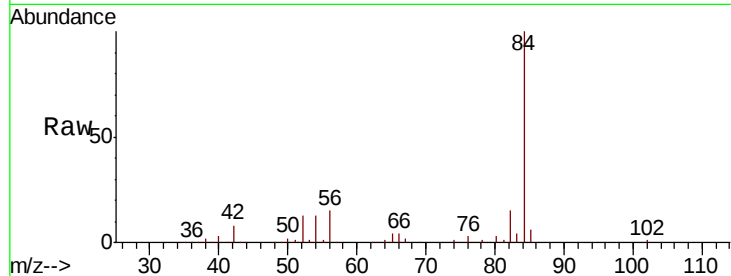




#27
 1,2-Dichloroethane
 Concen: 0.070 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041614.D
 Acq: 14 Dec 2020 16:39

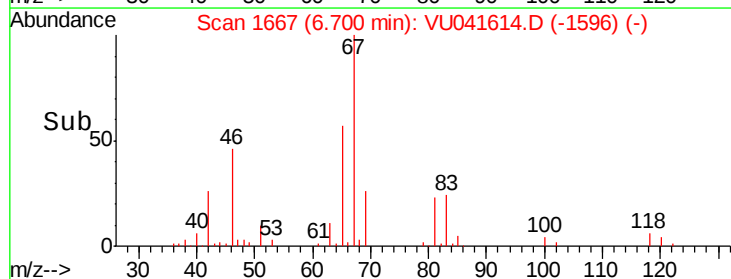
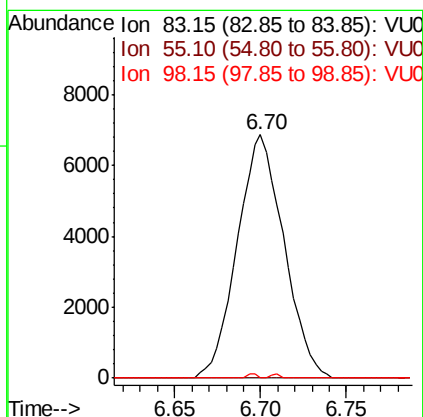
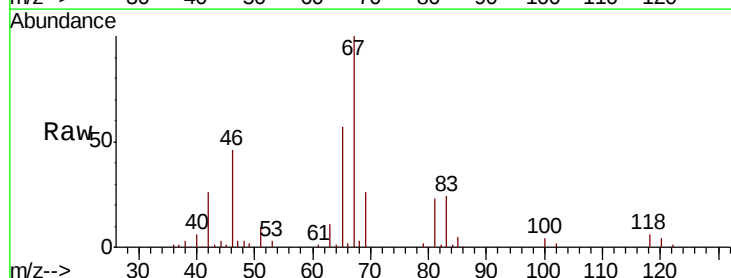
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K6

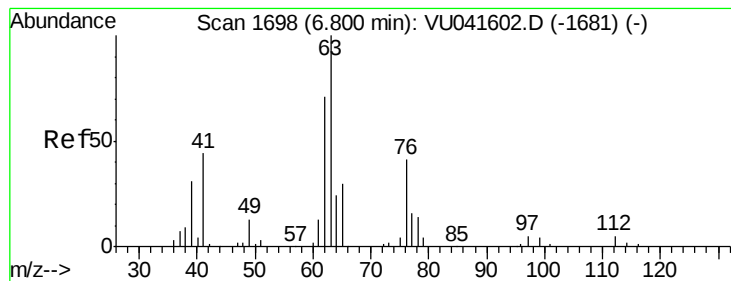
Tot Ion: 62 Resp: 832
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.814 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041614.D
 Acq: 14 Dec 2020 16:39

Tgt Ion: 83 Resp: 12944
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.3 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.554 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

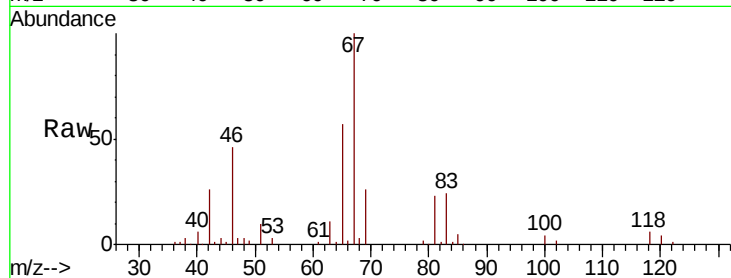
GB1K6

Tot Ion: 63 Resp: 5550

Ion Ratio Lower Upper

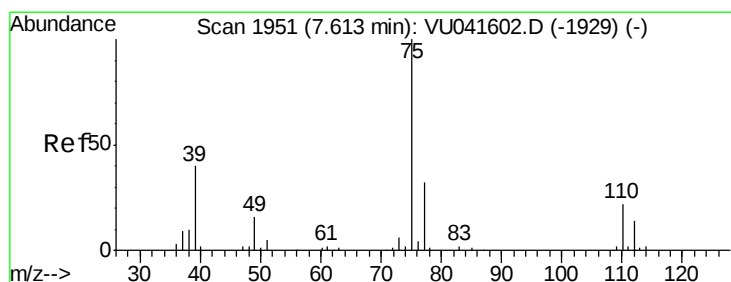
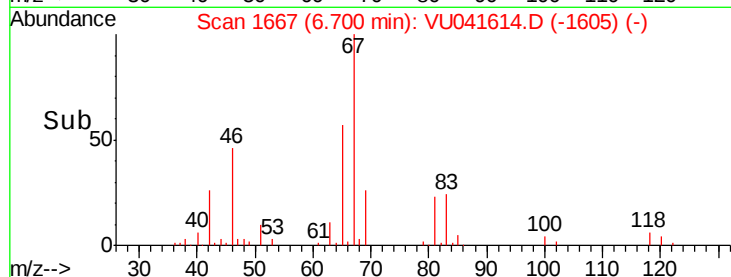
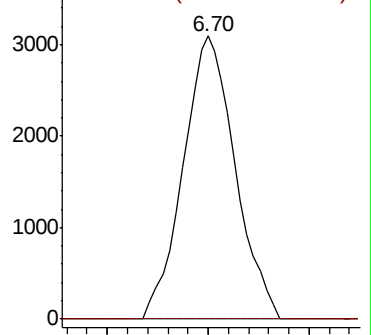
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041602.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041602.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU041614.D

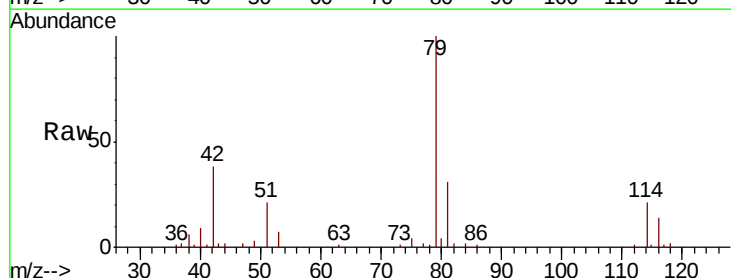
Acq: 14 Dec 2020 16:39

Tgt Ion: 75 Resp: 1293

Ion Ratio Lower Upper

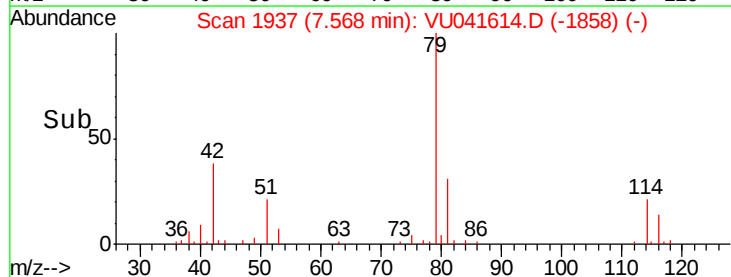
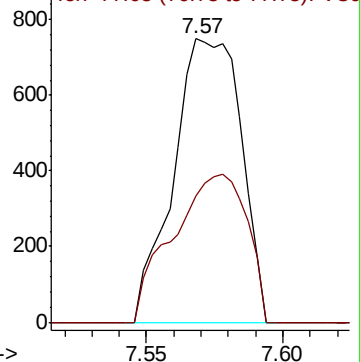
75 100

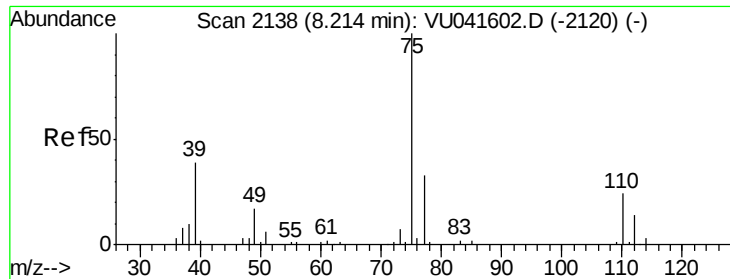
77 44.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041602.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041602.D (-1929) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

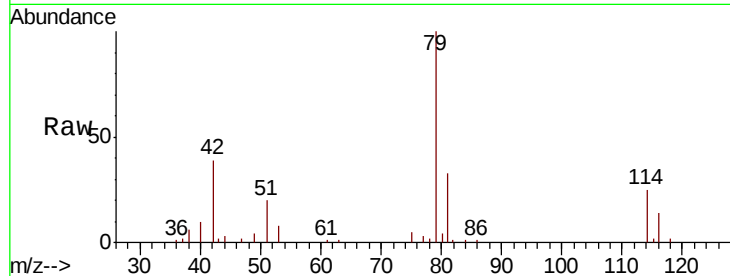
GB1K6

Tot Ion: 75 Resp: 980

Ion Ratio Lower Upper

75 100

77 48.6 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041614.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041614.D (-2120) (-)

8.18

600

400

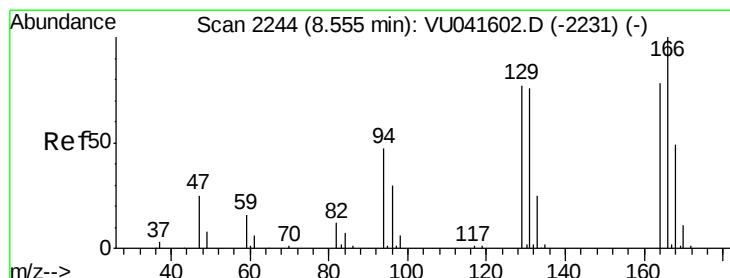
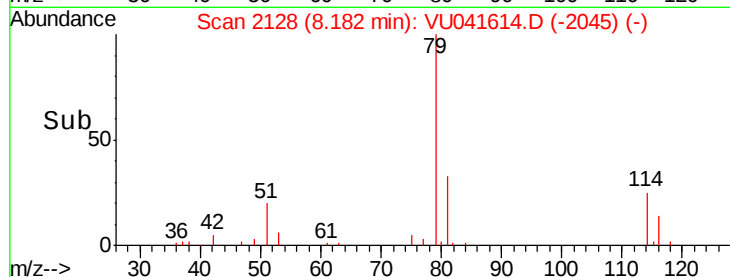
200

0

8.15

8.20

Time-->



#47

Tetrachloroethene

Concen: 0.277 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.00 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

Tgt Ion:164 Resp: 1906

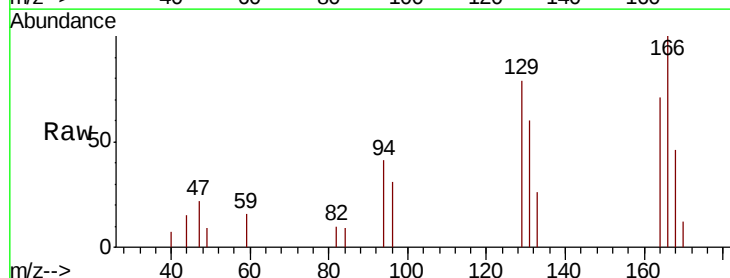
Ion Ratio Lower Upper

164 100

129 111.6 72.2 134.0

131 84.3 66.9 124.3

166 141.0 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041614.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041614.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041614.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041614.D (-2151) (-)

2500

2000

1500

1000

500

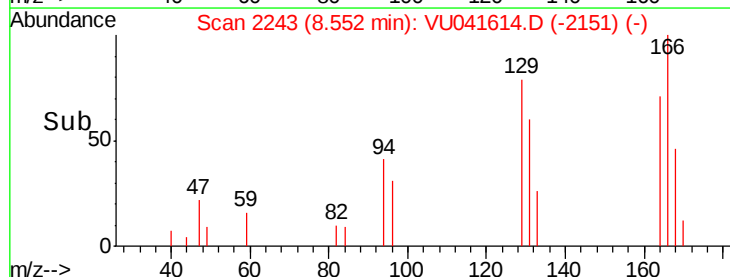
0

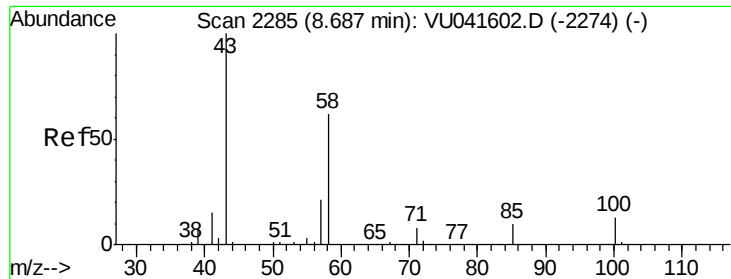
8.50

8.55

8.60

Time-->

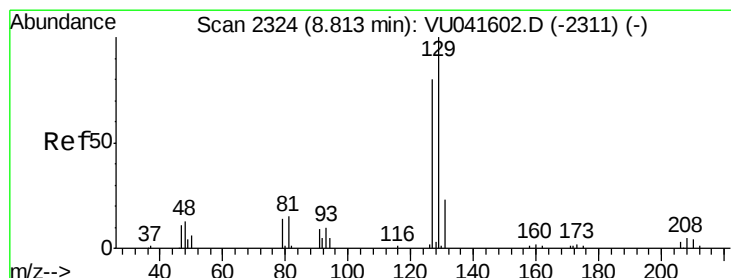
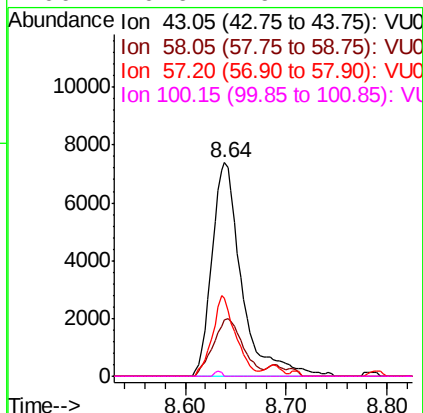
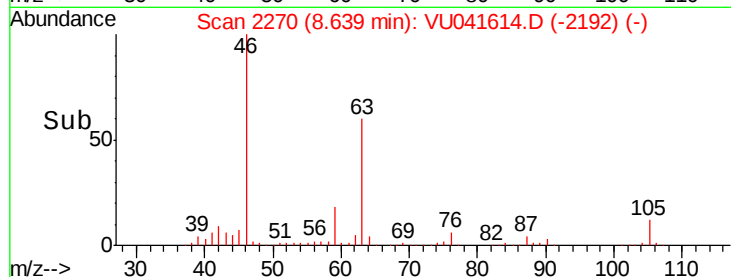
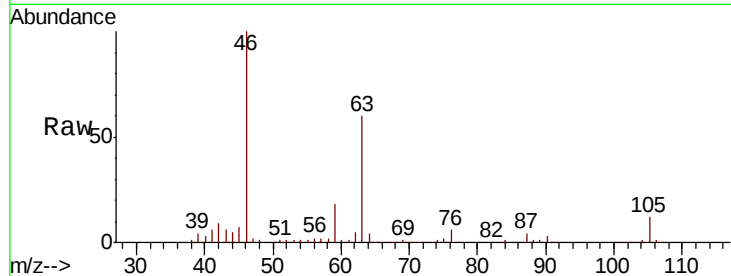




#48
2-Hexanone
Concen: 2.927 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041614.D
Acq: 14 Dec 2020 16:39

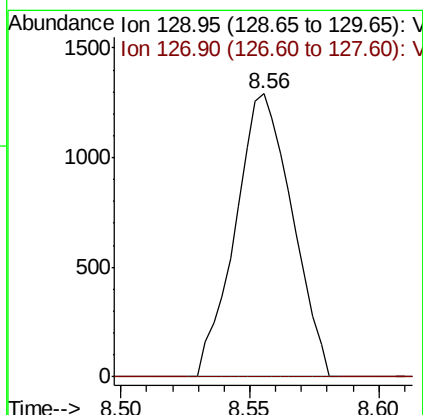
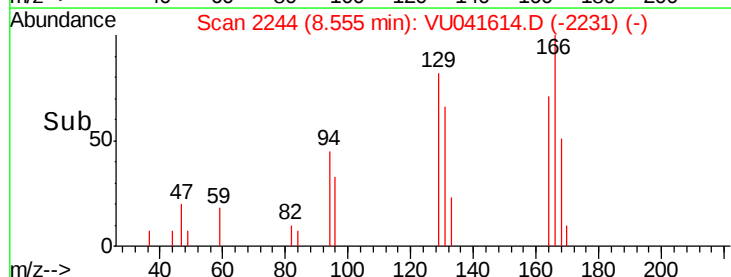
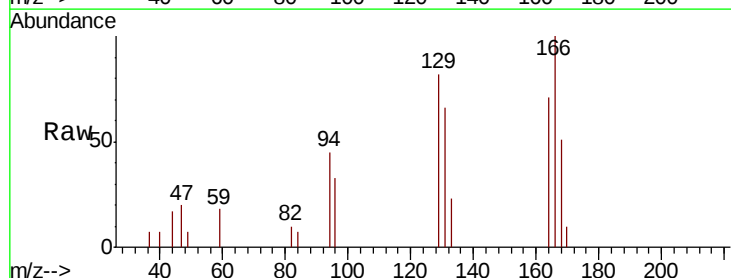
Instrument :
MSVOA_U
ClientSampleId :
GB1K6

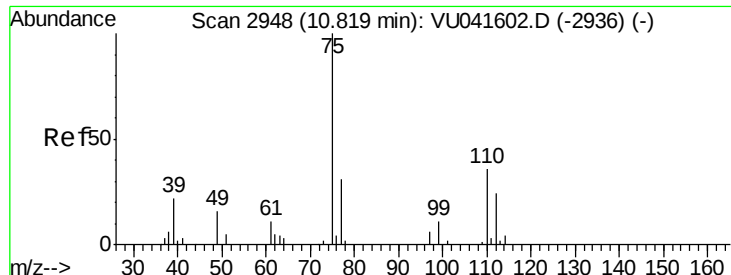
Tot Ion: 43 Resp: 15183
Ion Ratio Lower Upper
43 100
58 26.9 47.9 71.9#
57 29.4 16.5 24.7#
100 0.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.233 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041614.D
Acq: 14 Dec 2020 16:39

Tgt Ion: 129 Resp: 1980
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.831 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041614.D

Acq: 14 Dec 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

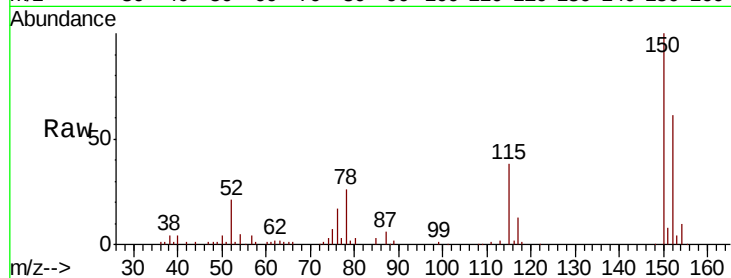
GB1K6

Tot Ion: 75 Resp: 6248

Ion Ratio Lower Upper

75 100

77 38.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

