

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041612.D
 Acq On : 14 Dec 2020 15:39
 Operator : SY/MD
 Sample : VIBLK05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:49:10 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	124279	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53404	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48032	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	38316	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	70109	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.66	46	152131	54.51	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.02%
24) Chloroform-d	5.08	84	83344	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.71	65	50899	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	173383	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	54384	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.90	98	147205	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.18	79	23837	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.64	63	139164	52.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51921	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51256	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

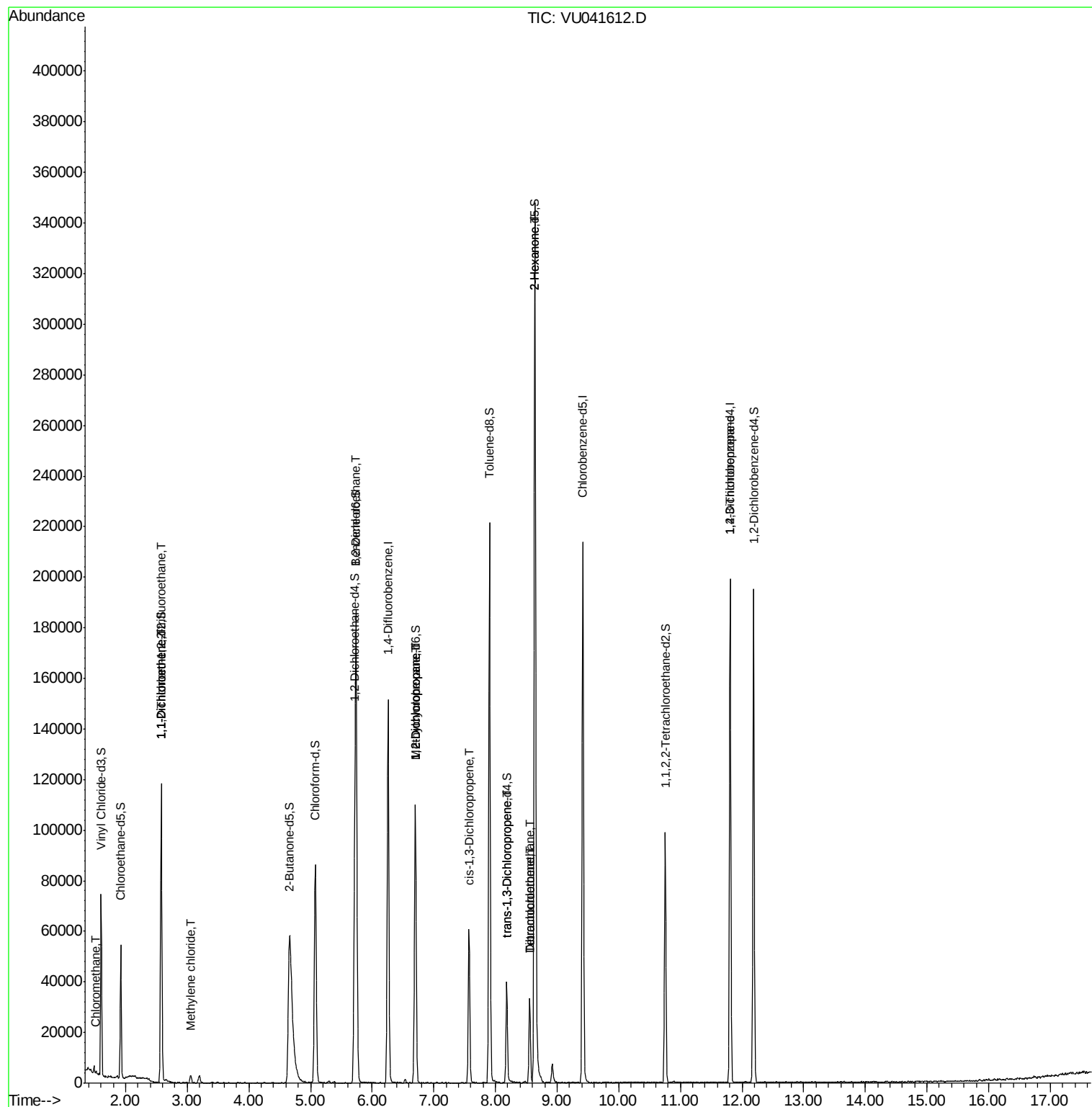
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	669	0.065	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	595	0.070	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	507	0.060	ug/L #	1
16) Methylene chloride	3.06	84	1510	0.150	ug/L	91
27) 1,2-Dichloroethane	5.74	62	852	0.077	ug/L #	73
35) Methylcyclohexane	6.70	83	12452	0.796	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5746	0.583	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1214	0.083	ug/L #	66
44) trans-1,3-Dichloropropene	8.18	75	530	0.041	ug/L	99
47) Tetrachloroethene	8.56	164	7828	1.155	ug/L	94
48) 2-Hexanone	8.64	43	14539	2.850	ug/L #	65
49) Dibromochloromethane	8.56	129	7467	0.892	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6032	0.815	ug/L	92

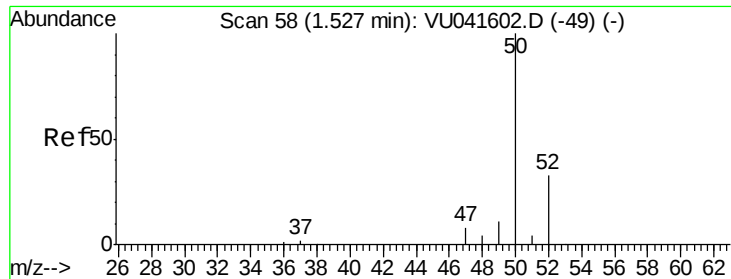
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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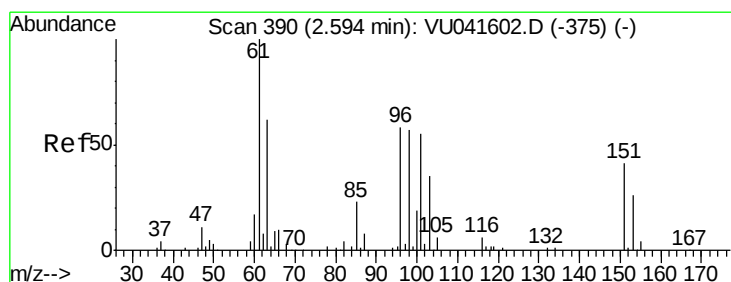
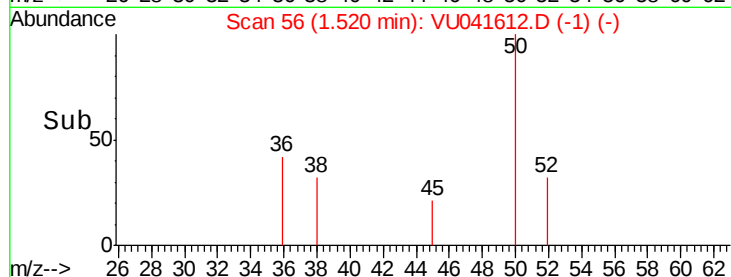
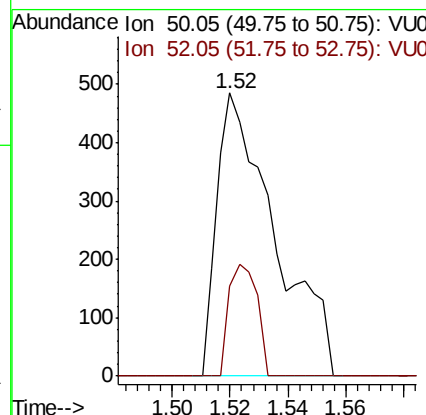
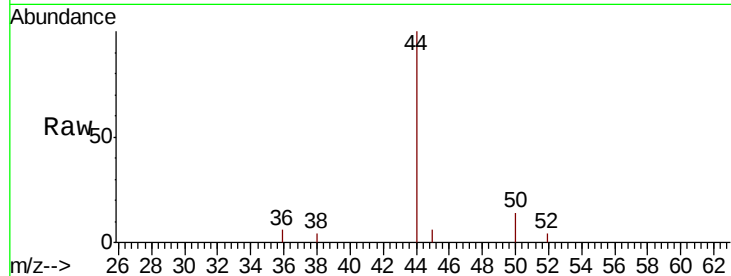




#3
Chloromethane
Concen: 0.065 ug/L
RT: 1.52 min Scan# 56
Delta R.T. -0.01 min
Lab File: VU041612.D
Acq: 14 Dec 2020 15:39

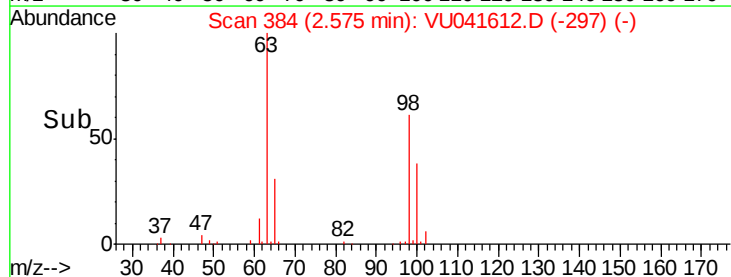
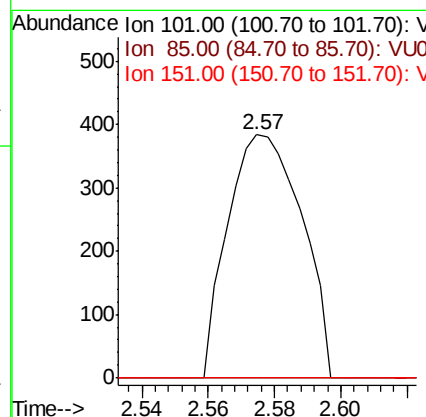
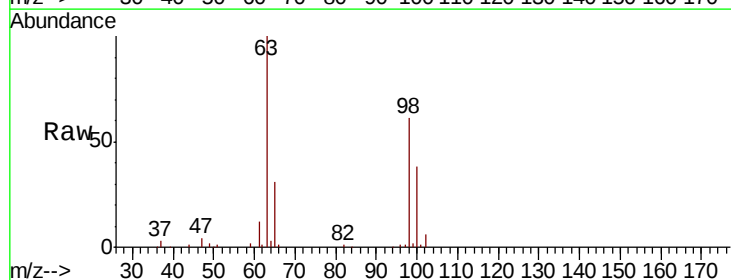
Instrument :
MSVOA_U
ClientSampled :

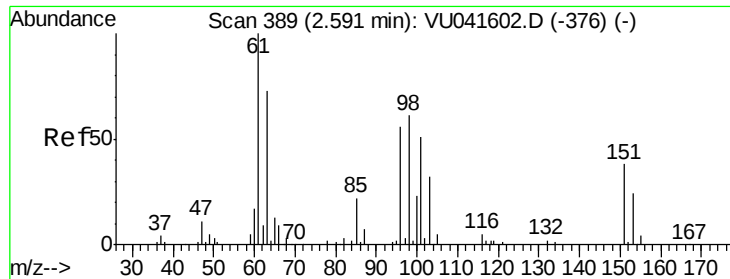
Tot Ion: 50 Resp: 669
Ion Ratio Lower Upper
50 100
52 31.8 24.1 44.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.070 ug/L
RT: 2.57 min Scan# 384
Delta R.T. -0.02 min
Lab File: VU041612.D
Acq: 14 Dec 2020 15:39

Tgt Ion: 101 Resp: 595
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#

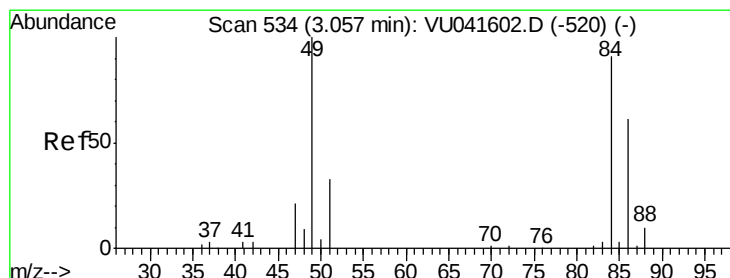
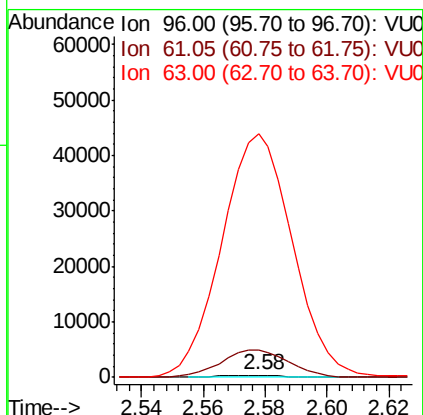
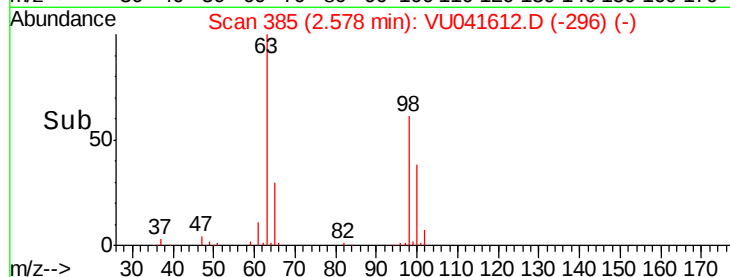
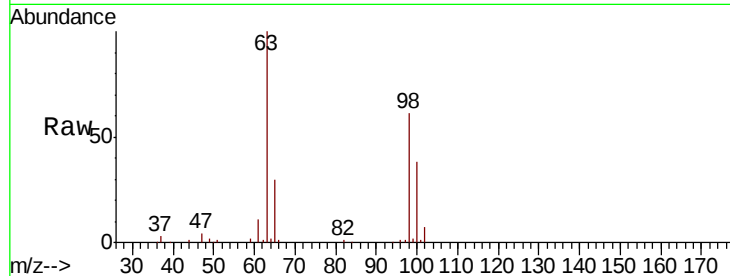




#12
 1,1-Dichloroethene
 Concen: 0.060 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041612.D
 Acq: 14 Dec 2020 15:39

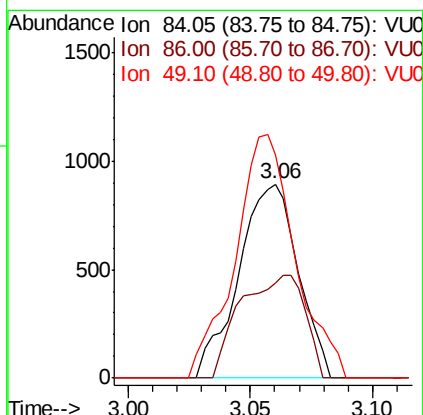
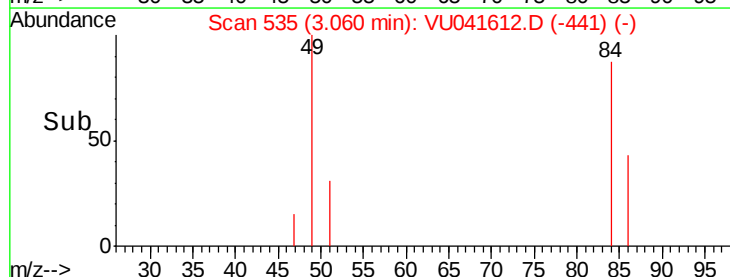
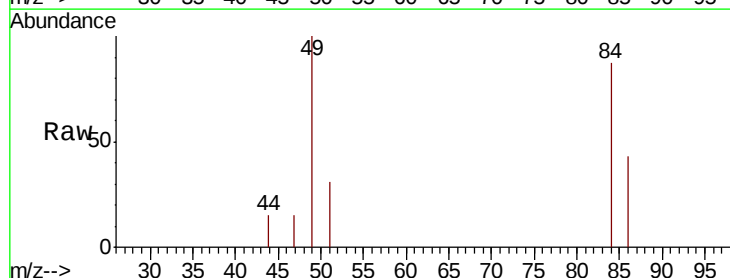
Instrument :
 MSVOA_U
 ClientSampled :

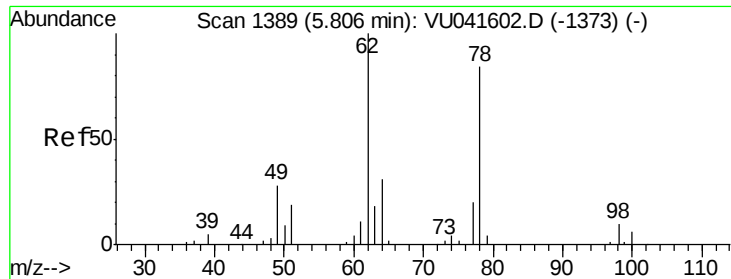
Tot Ion: 96 Resp: 507
 Ion Ratio Lower Upper
 96 100
 61 1540.7 123.8 230.0#
 63 13627.3 81.0 150.4#



#16
 Methylene chloride
 Concen: 0.150 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VU041612.D
 Acq: 14 Dec 2020 15:39

Tgt Ion: 84 Resp: 1510
 Ion Ratio Lower Upper
 84 100
 86 49.3 45.1 83.7
 49 115.2 83.1 154.3

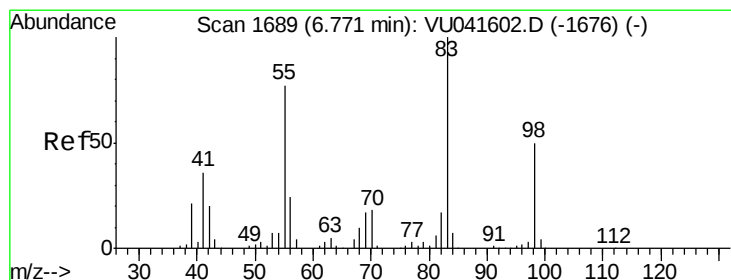
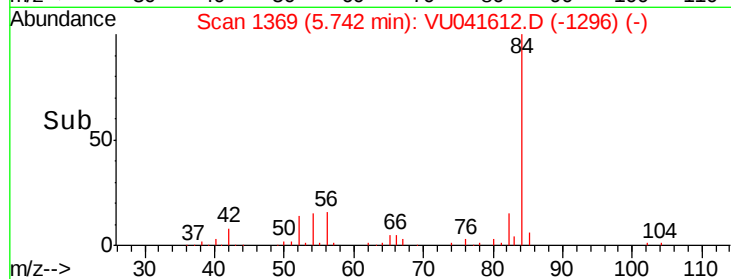
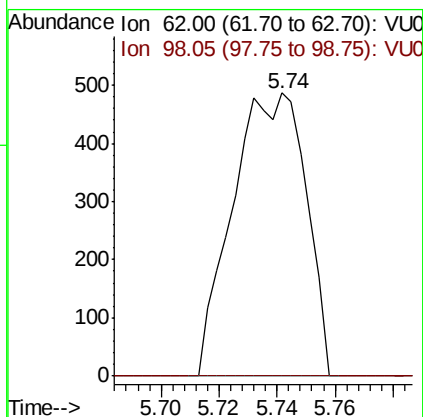
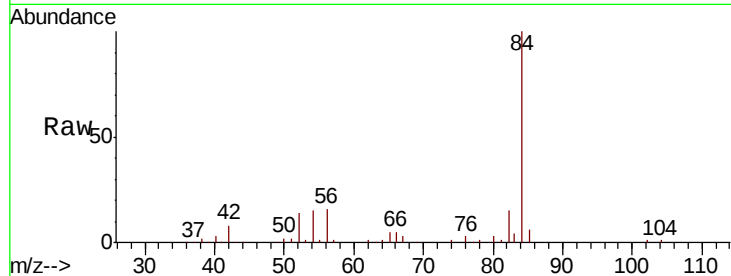




#27
 1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041612.D
 Acq: 14 Dec 2020 15:39

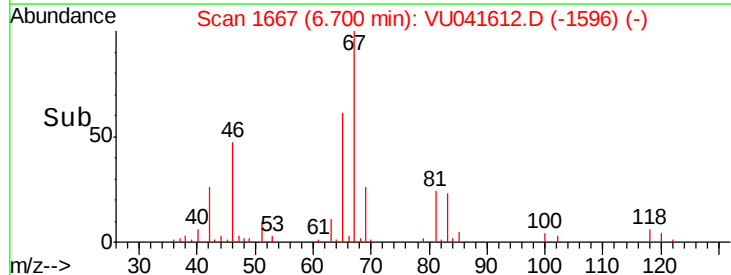
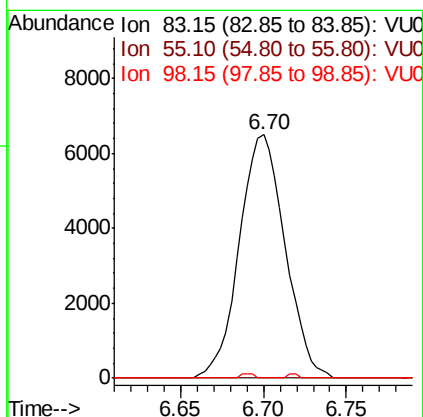
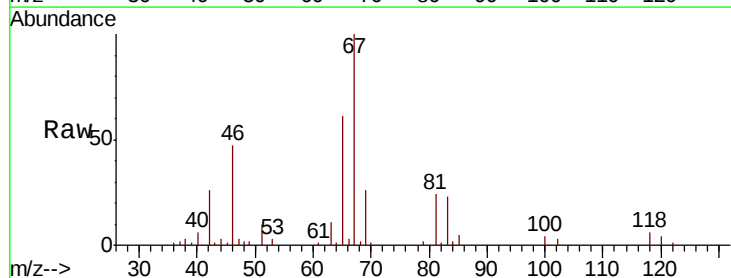
Instrument :
 MSVOA_U
 ClientSampled :

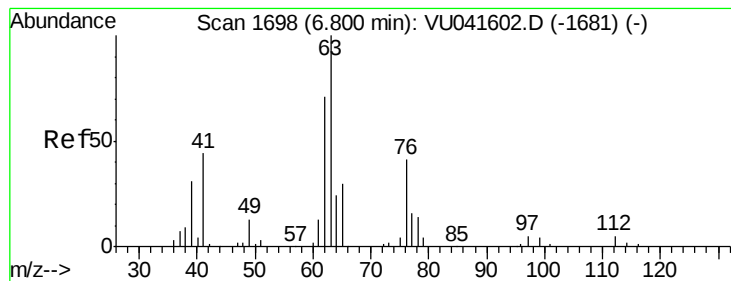
Tot Ion: 62 Resp: 852
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.796 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041612.D
 Acq: 14 Dec 2020 15:39

Tgt Ion: 83 Resp: 12452
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.5 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.583 ug/L

RT: 6.70 min Scan# 1666

Delta R.T. -0.10 min

Lab File: VU041612.D

Acq: 14 Dec 2020 15:39

Instrument :

MSVOA_U

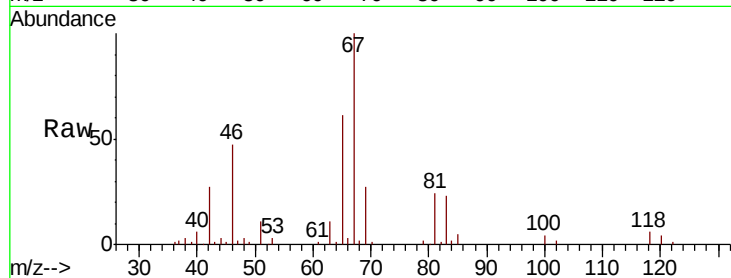
ClientSampleId :

Tot Ion: 63 Resp: 5746

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041612.D (-1666) (-)

Ion 112.10 (111.80 to 112.80): VU041612.D (-1666) (-)

6.70

3000

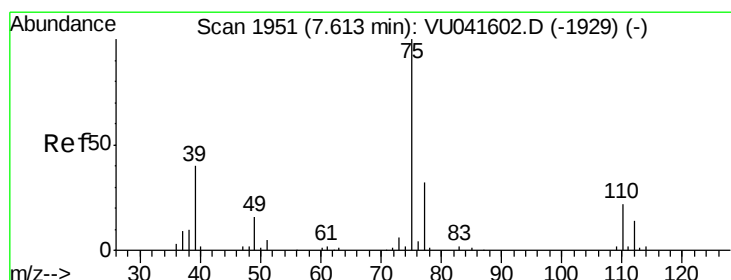
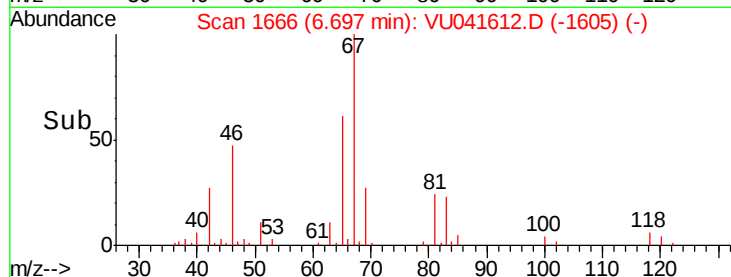
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU041612.D

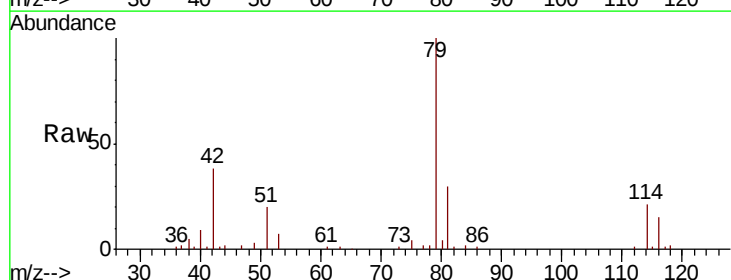
Acq: 14 Dec 2020 15:39

Tgt Ion: 75 Resp: 1214

Ion Ratio Lower Upper

75 100

77 50.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041612.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU041612.D (-1937) (-)

7.57

800

600

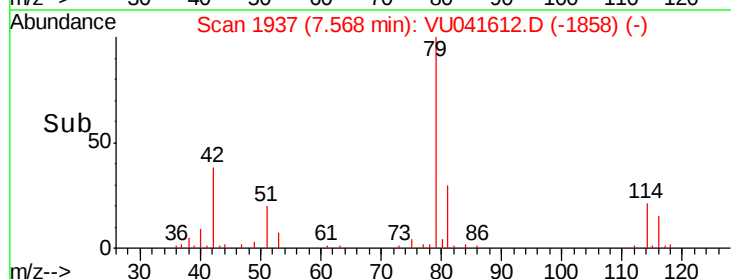
400

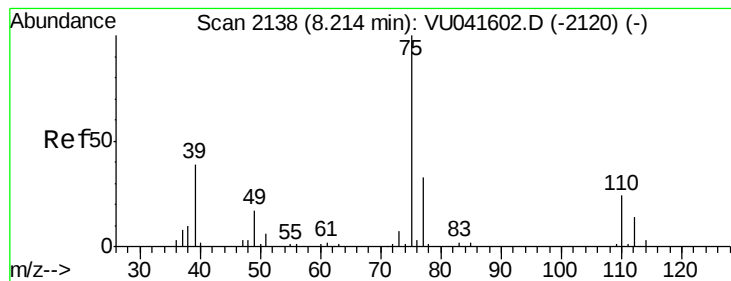
200

0

7.55 7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.041 ug/L

RT: 8.18 min Scan# 2126

Delta R.T. -0.04 min

Lab File: VU041612.D

Acq: 14 Dec 2020 15:39

Instrument :

MSVOA_U

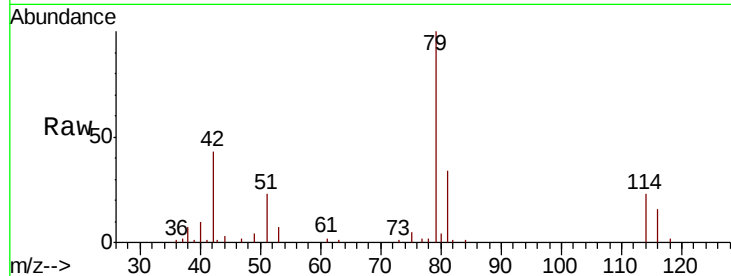
ClientSampled :

Tot Ion: 75 Resp: 530

Ion Ratio Lower Upper

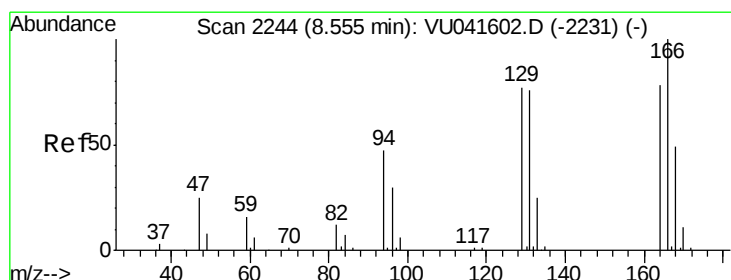
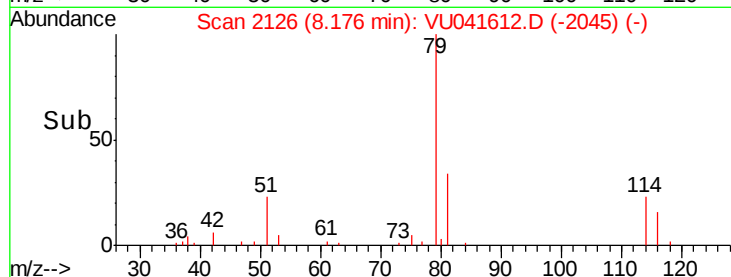
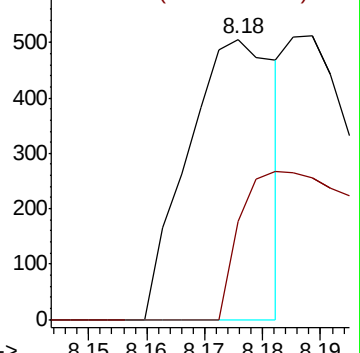
75 100

77 34.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 1.155 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041612.D

Acq: 14 Dec 2020 15:39

Tgt Ion:164 Resp: 7828

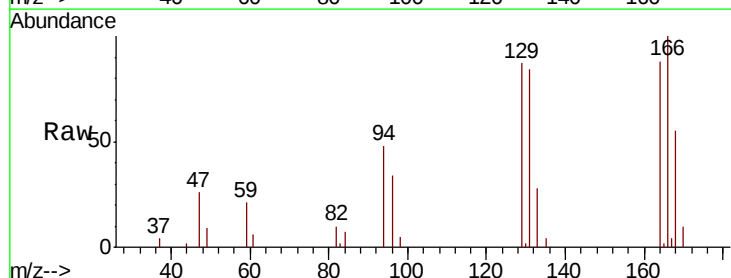
Ion Ratio Lower Upper

164 100

129 99.4 72.2 134.0

131 96.2 66.9 124.3

166 114.2 89.6 166.4

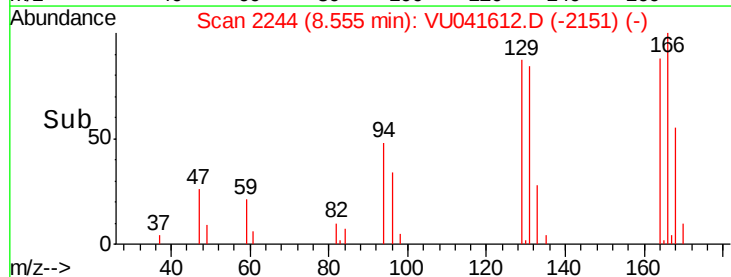
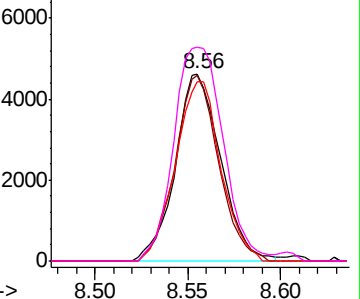


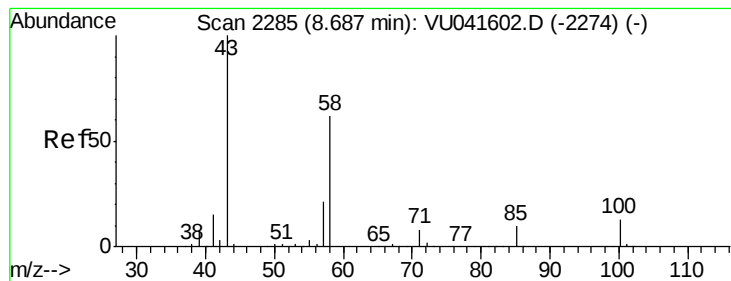
Abundance Ion 163.90 (163.60 to 164.60): V

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





#48

2-Hexanone

Concen: 2.850 ug/L

RT: 8.64 min Scan# 2270

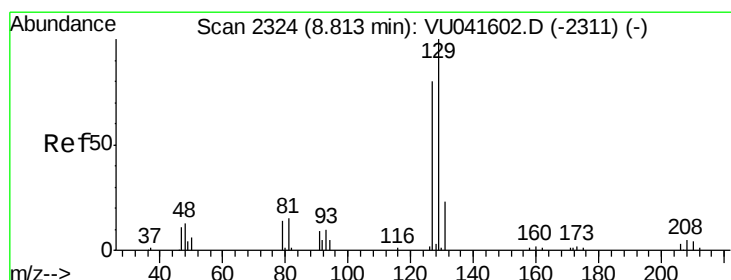
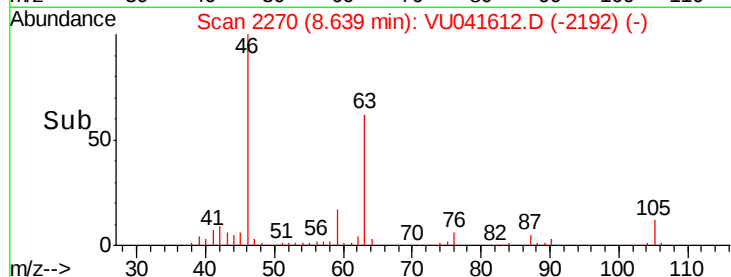
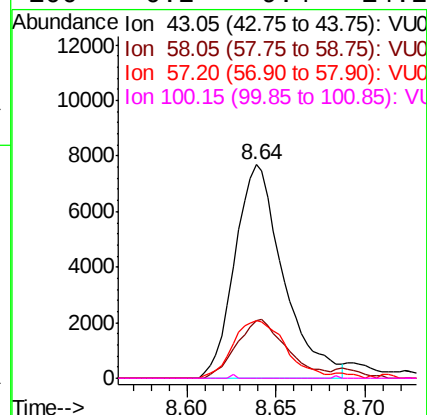
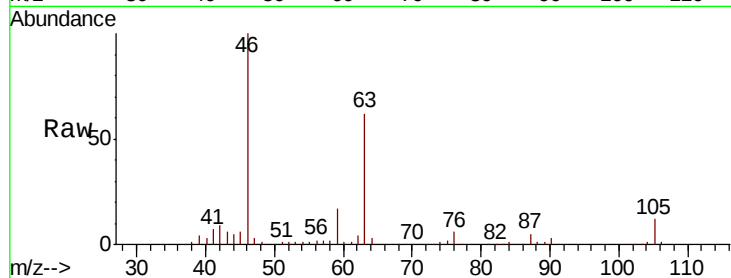
Delta R.T. -0.05 min

Lab File: VU041612.D

Acq: 14 Dec 2020 15:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	14539
Ion	Ratio	Lower	Upper
43	100		
58	28.4	47.9	71.9#
57	29.3	16.5	24.7#
100	0.2	9.4	14.2#



#49

Dibromochloromethane

Concen: 0.892 ug/L

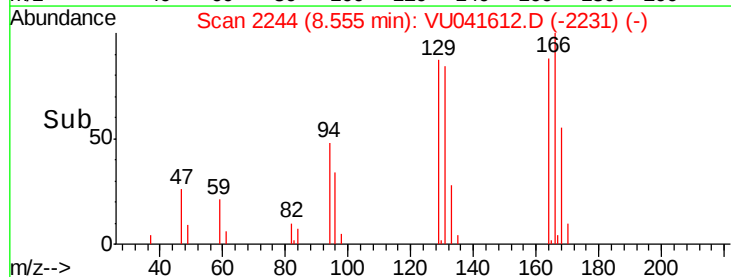
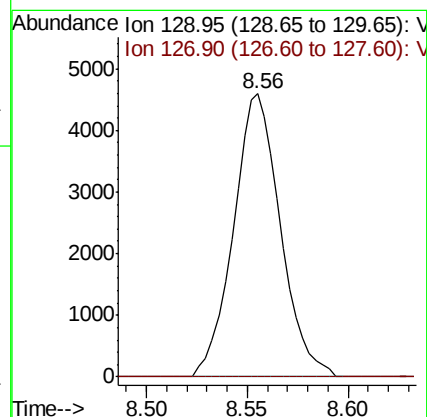
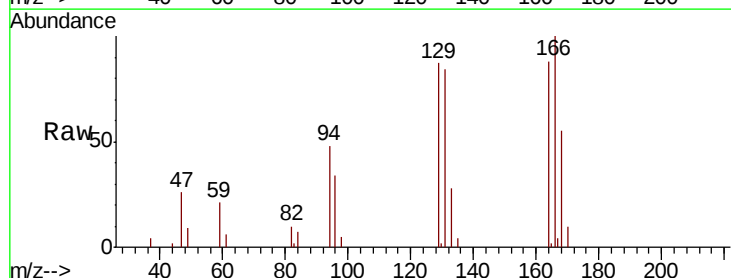
RT: 8.56 min Scan# 2244

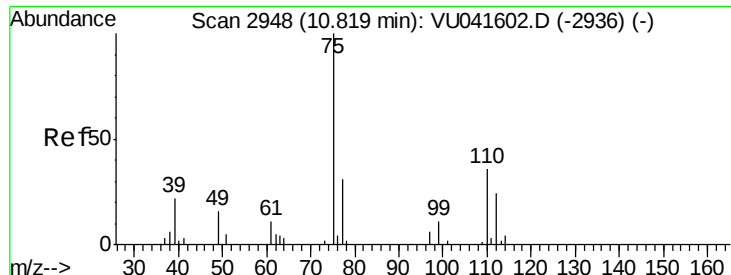
Delta R.T. -0.26 min

Lab File: VU041612.D

Acq: 14 Dec 2020 15:39

Tgt Ion:	129	Resp:	7467
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#59

1,2,3-Trichloropropane

Concen: 0.815 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041612.D

Acq: 14 Dec 2020 15:39

Instrument :

MSVOA_U

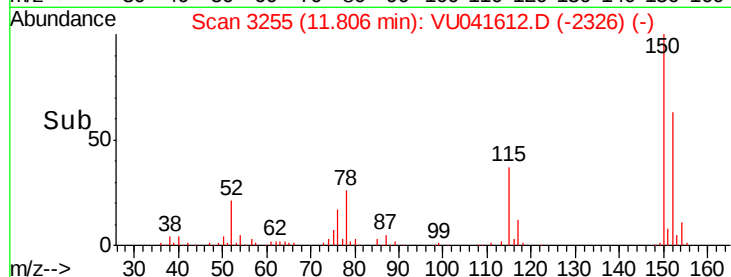
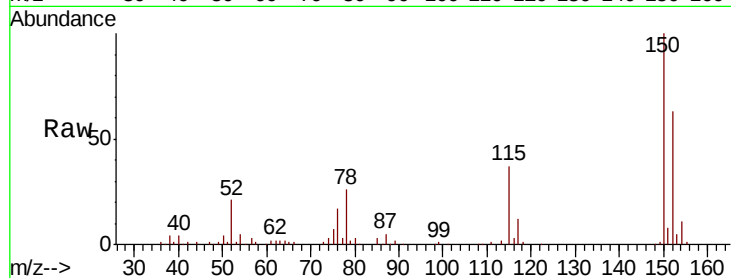
ClientSampleId :

Tot Ion: 75 Resp: 6032

Ion Ratio Lower Upper

75 100

77 37.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

