

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041699.D
 Acq On : 21 Dec 2020 14:26
 Operator : SY/MD
 Sample : L5148-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2

Quant Time: Dec 22 02:51:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	143086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	140962	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63386	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45102	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.92	69	40317	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.58	63	63882	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.66	46	183223	57.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.04%
24) Chloroform-d	5.08	84	89395	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.72	65	56112	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.74	84	190700	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	56884	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.91	98	150331	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	26096	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.64	63	189332	60.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54362	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	59153	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

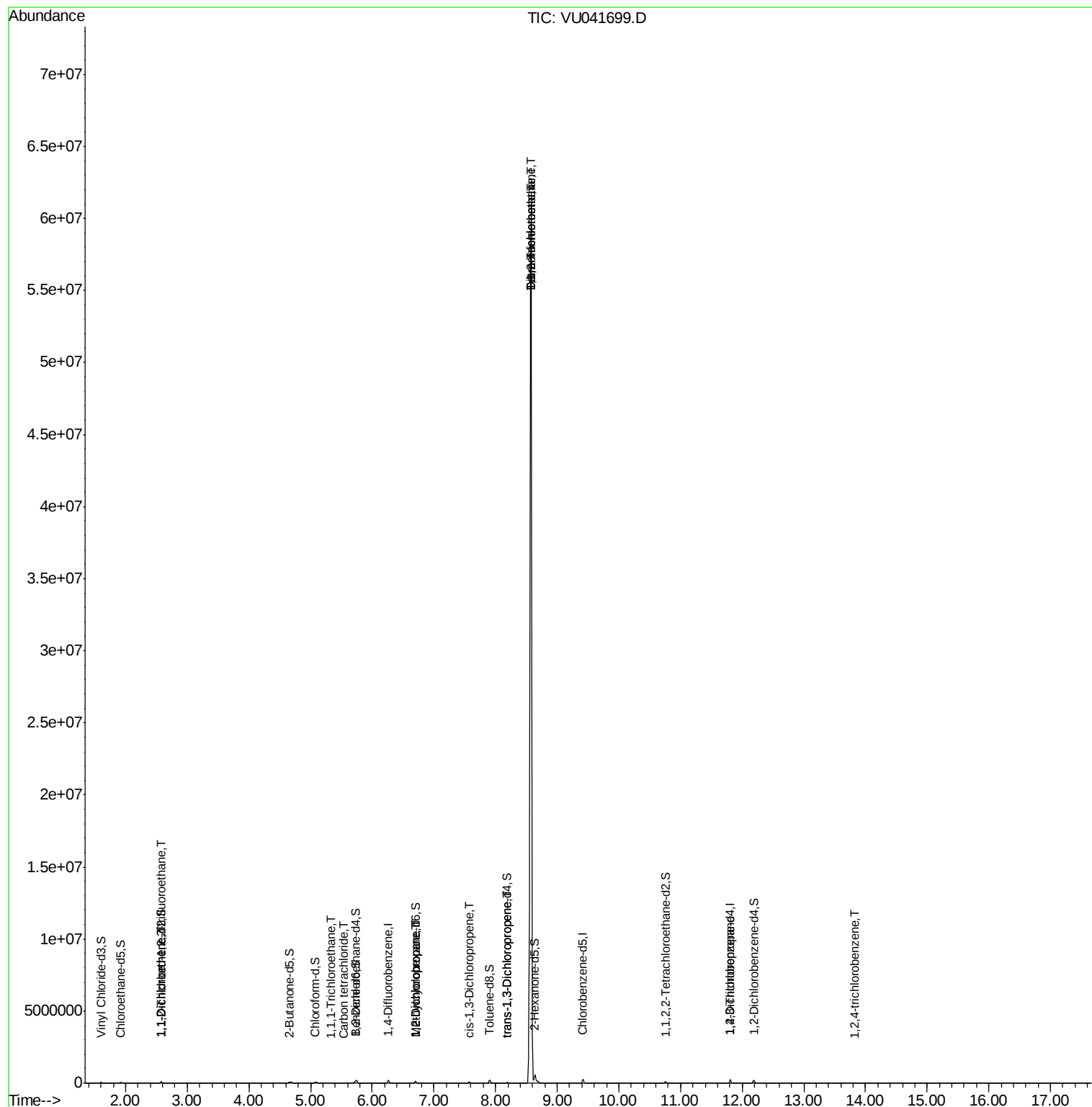
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	516	0.052 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	585	0.060 ug/L #	1
29) 1,1,1-Trichloroethane	5.33	97	1724	0.106 ug/L	96
31) Carbon tetrachloride	5.55	117	1441	0.103 ug/L	99
35) Methylcyclohexane	6.70	83	13242	0.723 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6080	0.527 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1362	0.080 ug/L #	50
44) trans-1,3-Dichloropropene	8.19	75	1096	0.072 ug/L #	59
45) 1,1,2-Trichloroethane	8.57	97	121733	14.275 ug/L #	1
47) Tetrachloroethene	8.57	164	14839480	1871.251 ug/L	89
49) Dibromochloromethane	8.57	129	14605020	1491.042 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7356	0.849 ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	392	0.032 ug/L #	58

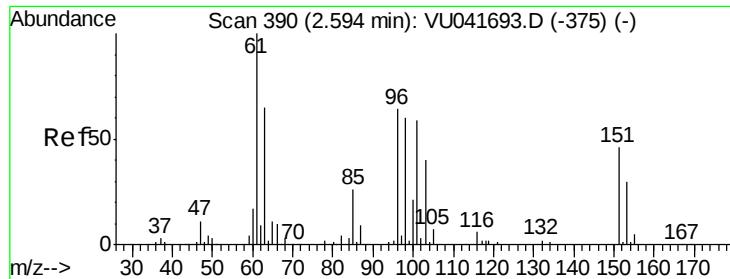
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration





#10

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

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041699.D

Acq: 21 Dec 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

GB1T2

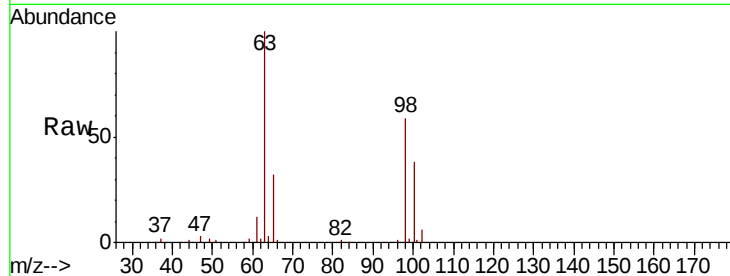
Tot Ion:101 Resp: 516

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

400

300

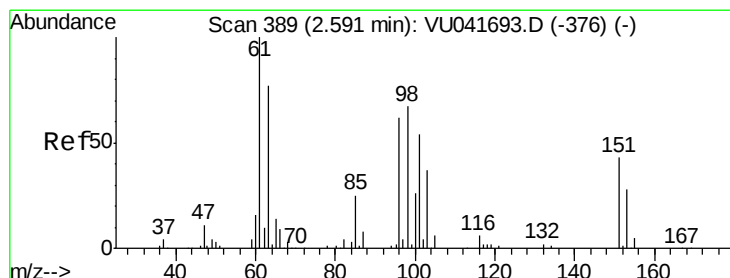
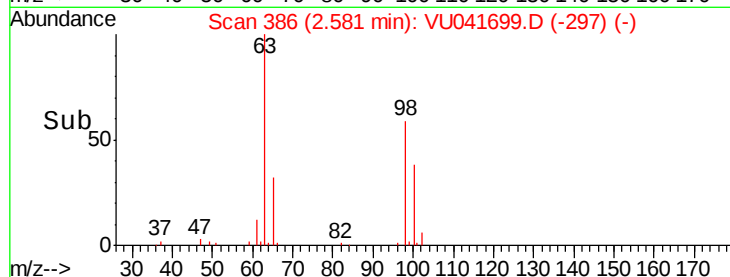
200

100

0

2.54 2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041699.D

Acq: 21 Dec 2020 14:26

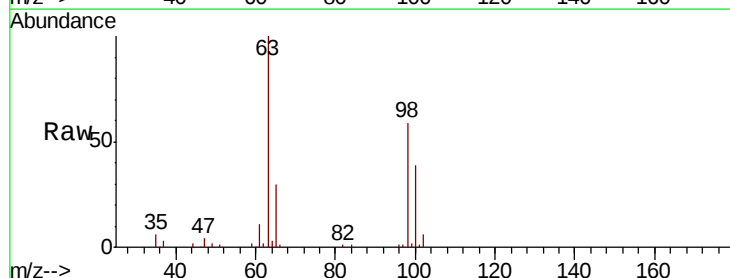
Tgt Ion: 96 Resp: 585

Ion Ratio Lower Upper

96 100

61 812.7 123.8 230.0#

63 7108.4 81.0 150.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

50000

40000

30000

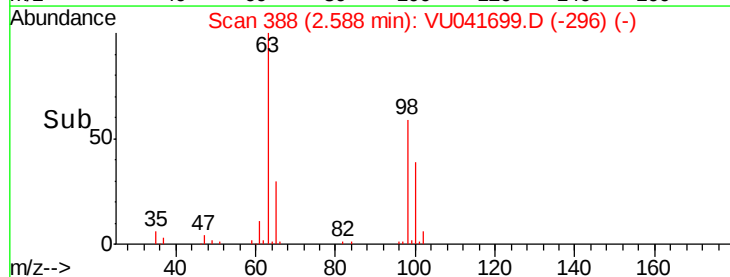
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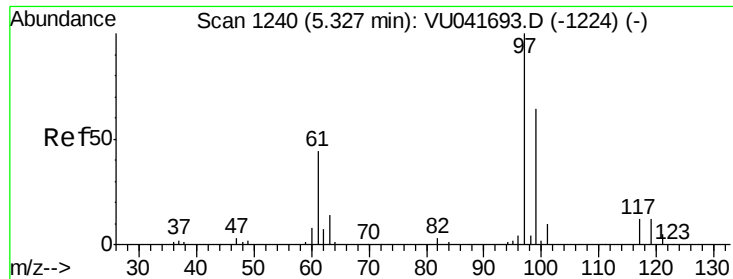
10000

0

2.54 2.56 2.58 2.60 2.62

Time-->

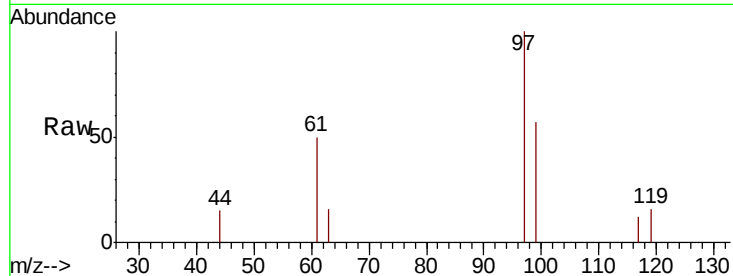




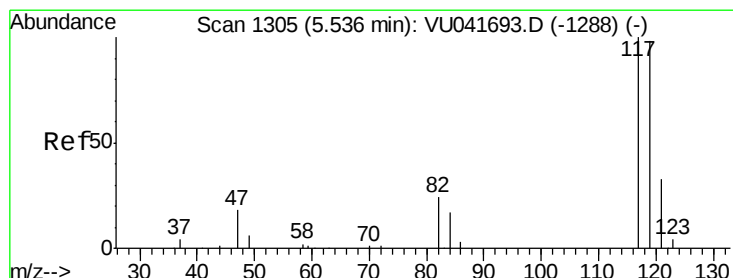
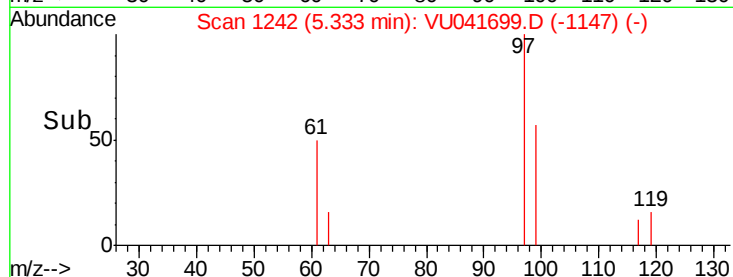
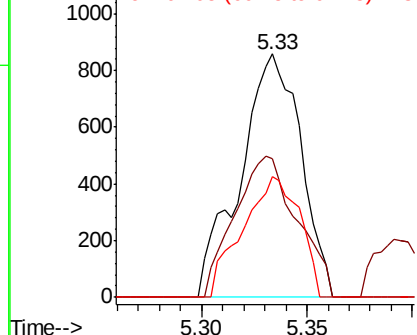
#29
 1,1,1-Trichloroethane
 Concen: 0.106 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VU041699.D
 Acq: 21 Dec 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2

Tot Ion: 97 Resp: 1724
 Ion Ratio Lower Upper
 97 100
 99 59.6 51.3 76.9
 61 46.3 36.5 54.7

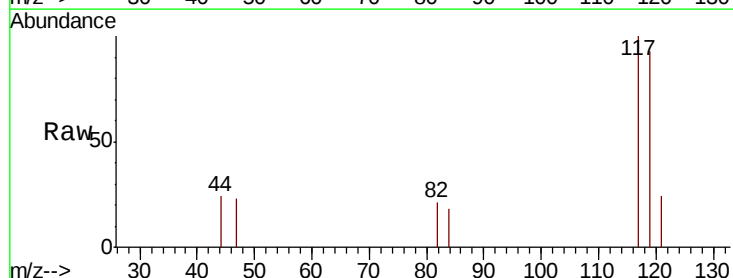


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

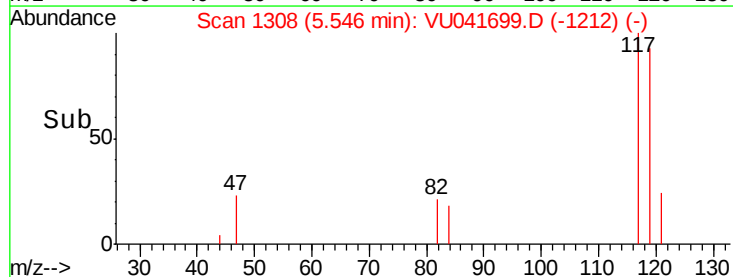
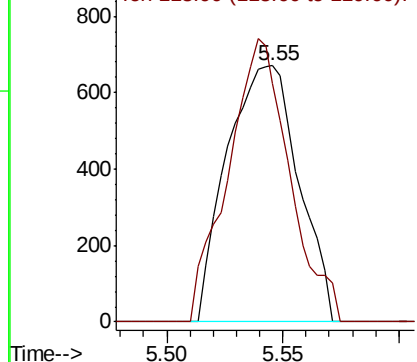


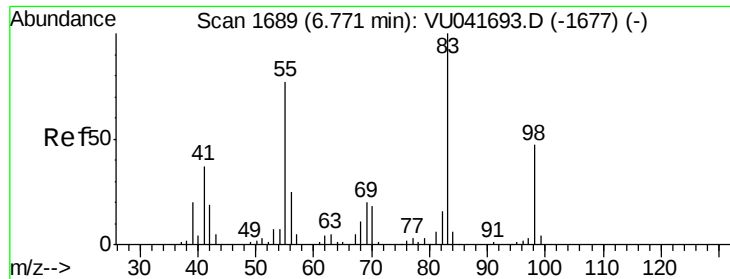
#31
 Carbon tetrachloride
 Concen: 0.103 ug/L
 RT: 5.55 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VU041699.D
 Acq: 21 Dec 2020 14:26

Tgt Ion: 117 Resp: 1441
 Ion Ratio Lower Upper
 117 100
 119 94.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

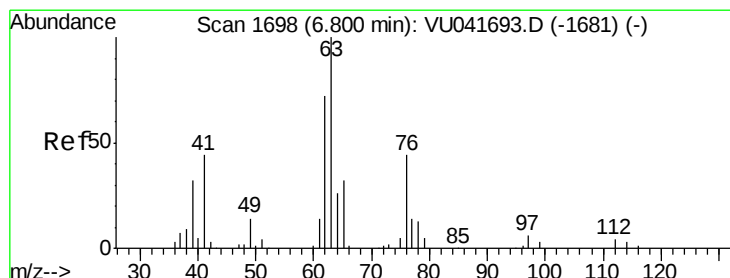
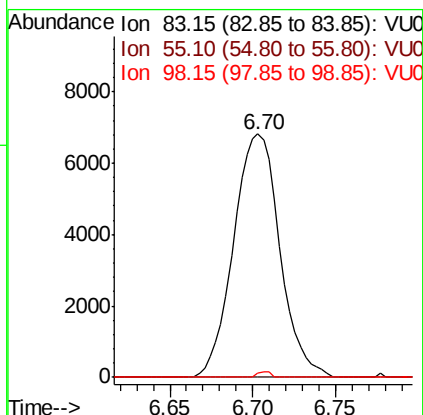
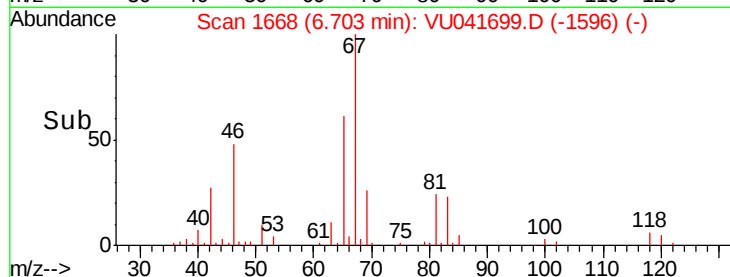
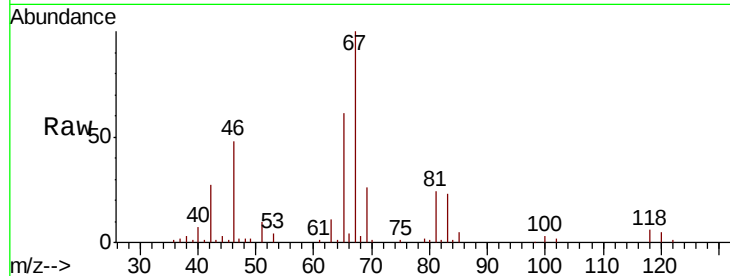




#35
Methylcyclohexane
Concen: 0.723 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041699.D
Acq: 21 Dec 2020 14:26

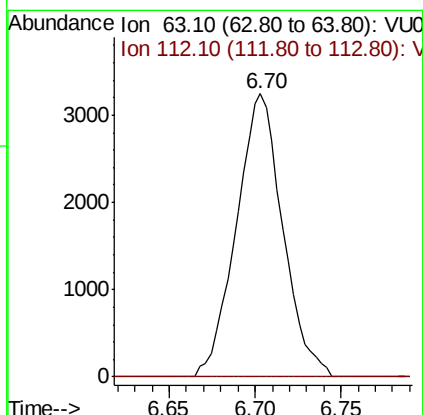
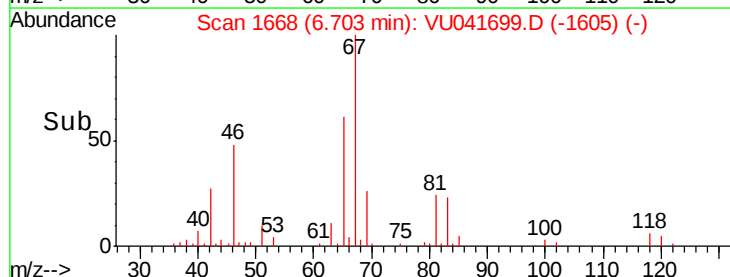
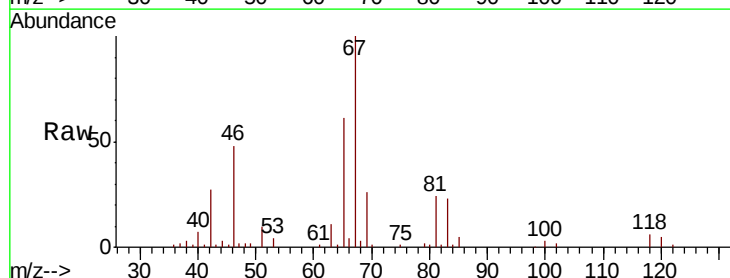
Instrument :
MSVOA_U
ClientSampleId :
GB1T2

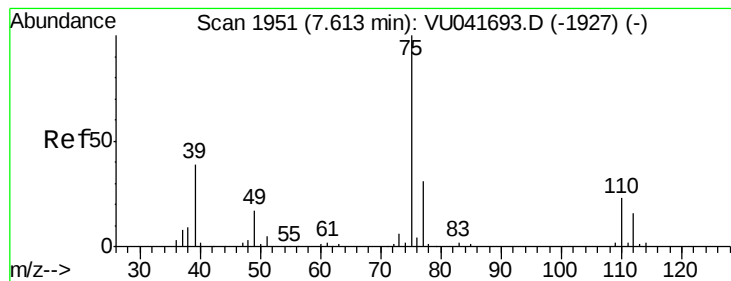
Tot Ion: 83 Resp: 13242
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.6 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.527 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041699.D
Acq: 21 Dec 2020 14:26

Tgt Ion: 63 Resp: 6080
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



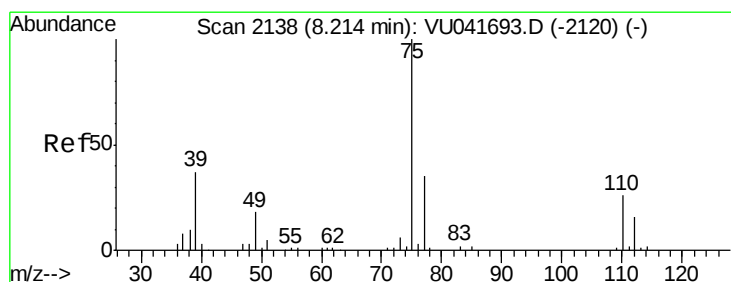
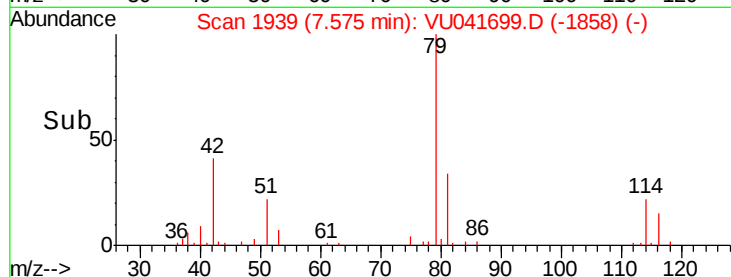
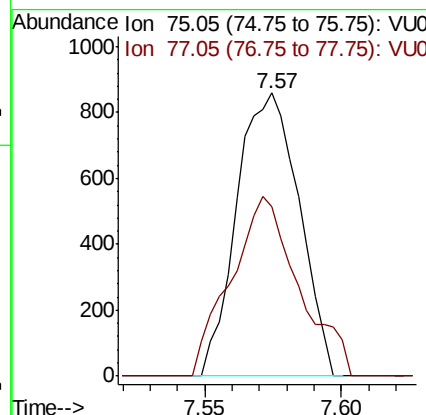
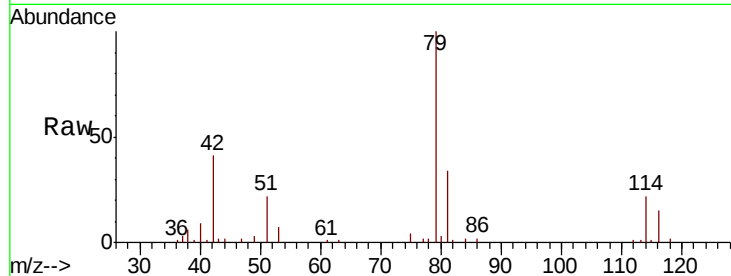


#39

cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041699.D
 Acq: 21 Dec 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2

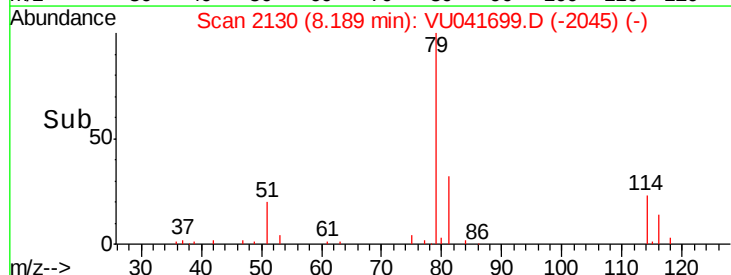
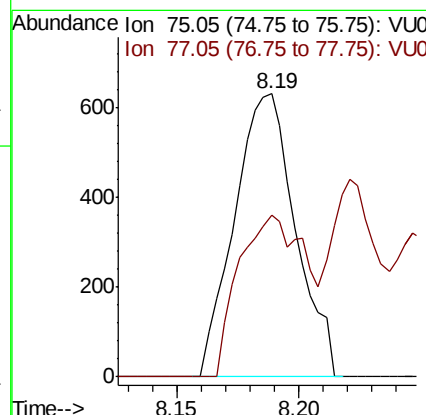
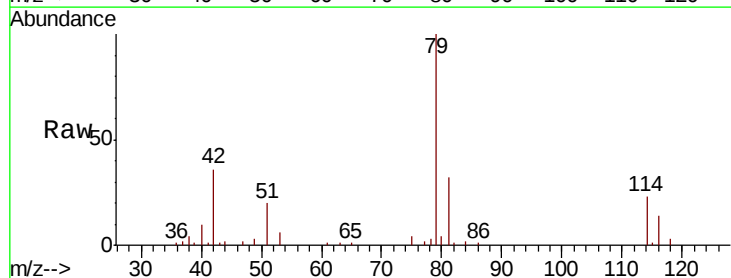
Tot Ion: 75 Resp: 1362
 Ion Ratio Lower Upper
 75 100
 77 59.7 22.3 41.3#

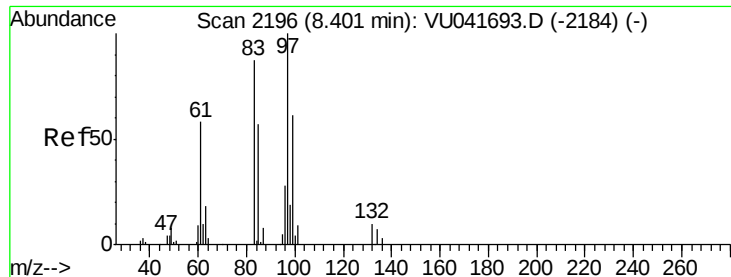


#44

trans-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU041699.D
 Acq: 21 Dec 2020 14:26

Tgt Ion: 75 Resp: 1096
 Ion Ratio Lower Upper
 75 100
 77 57.3 23.8 44.2#

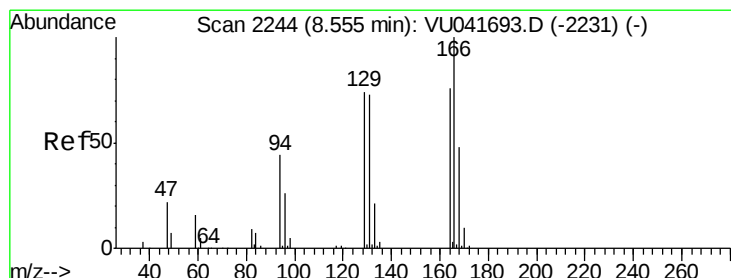
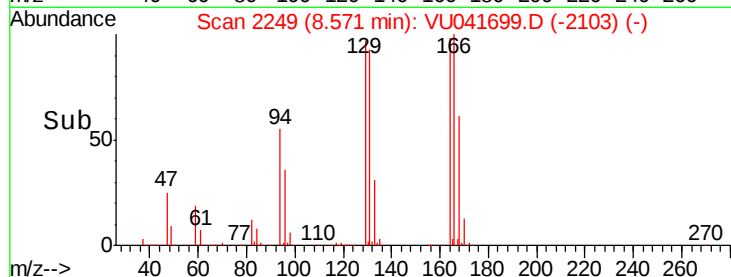
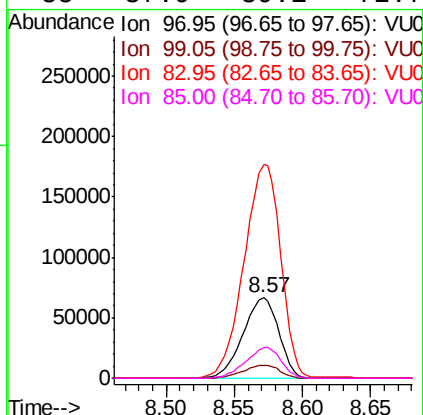
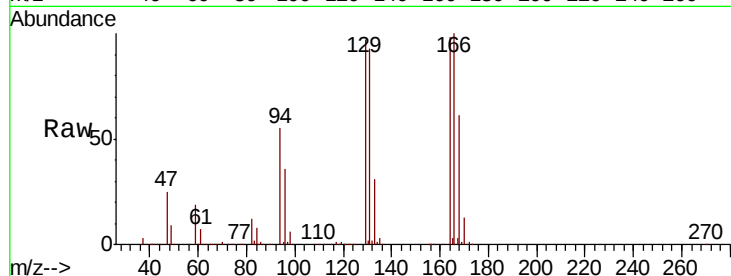




#45
 1,1,2-Trichloroethane
 Concen: 14.275 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.17 min
 Lab File: VU041699.D
 Acq: 21 Dec 2020 14:26

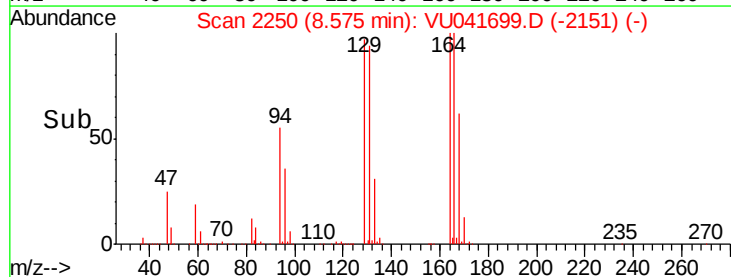
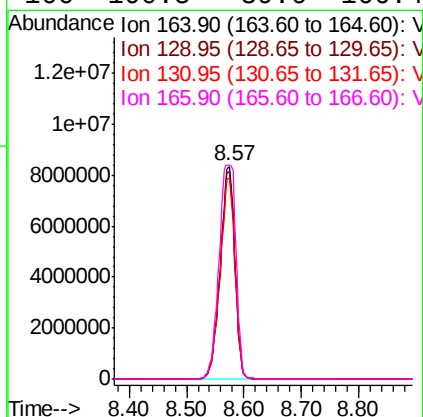
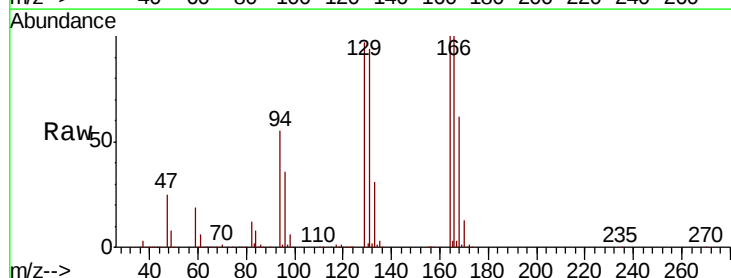
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2

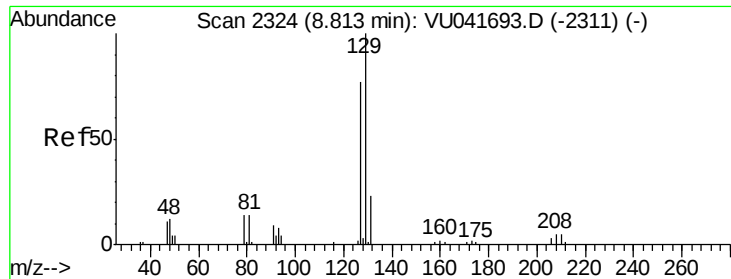
Tot Ion: 97 Resp: 121733
 Ion Ratio Lower Upper
 97 100
 99 16.4 42.1 78.3#
 83 266.1 62.6 116.2#
 85 37.9 39.1 72.7#



#47
 Tetrachloroethene
 Concen: 1871.251 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.02 min
 Lab File: VU041699.D
 Acq: 21 Dec 2020 14:26

Tgt Ion:164 Resp:14839480
 Ion Ratio Lower Upper
 164 100
 129 97.6 72.2 134.0
 131 94.8 66.9 124.3
 166 100.5 89.6 166.4





#49

Dibromochloromethane

Concen: 1491.042 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.24 min

Lab File: VU041699.D

Acq: 21 Dec 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

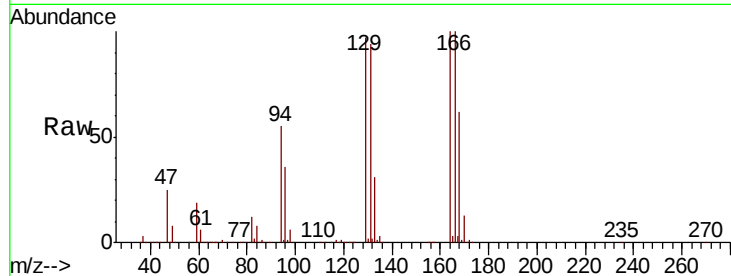
GB1T2

Tot Ion:129 Resp:14605020

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

8000000

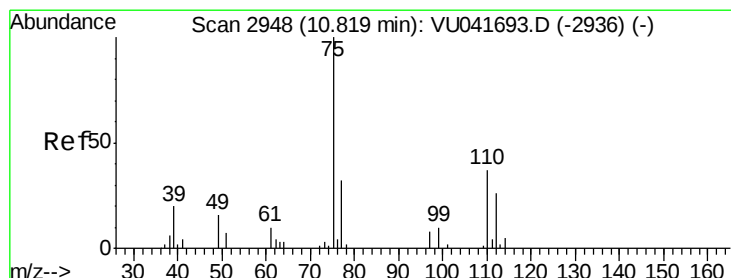
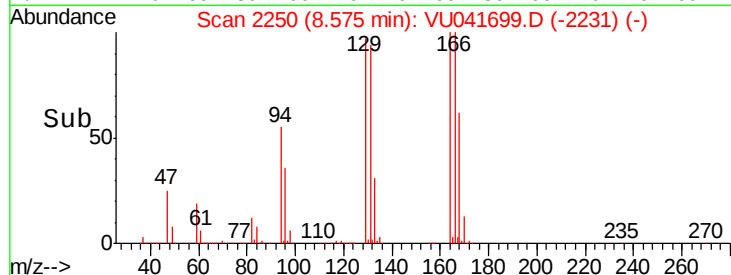
6000000

4000000

2000000

0

Time--> 8.50 8.60 8.70 8.80



#59

1,2,3-Trichloropropane

Concen: 0.849 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041699.D

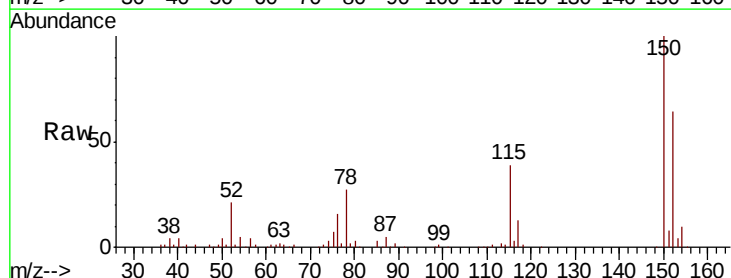
Acq: 21 Dec 2020 14:26

Tgt Ion: 75 Resp: 7356

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

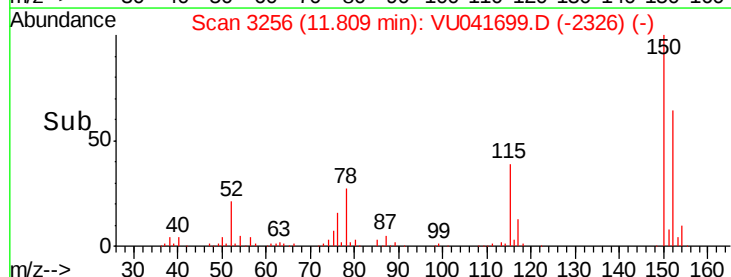
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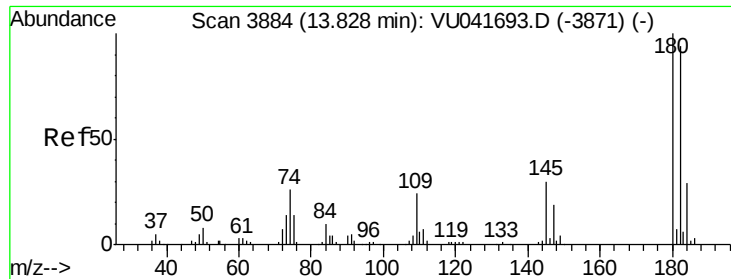
2000

1000

0

Time--> 11.75 11.80 11.85





#68

1,2,4-trichlorobenzene

Concen: 0.032 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU041699.D

Acq: 21 Dec 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

GB1T2

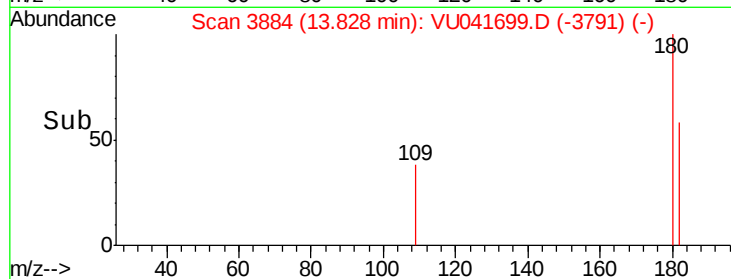
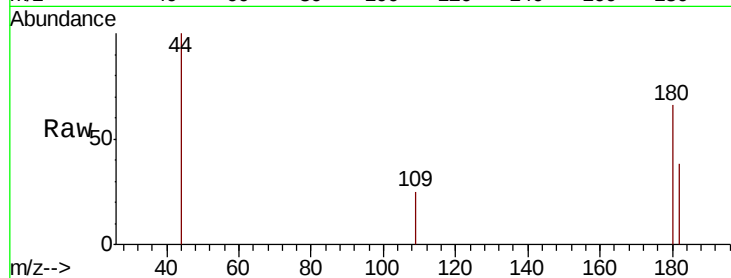
Tot Ion:180 Resp: 392

Ion Ratio Lower Upper

180 100

182 58.4 75.4 113.0#

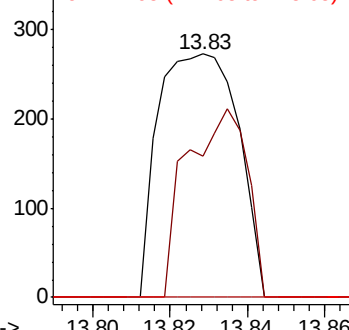
145 0.0 24.5 36.7#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



Time-->