

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120619\
 Data File : VU036030.D
 Acq On : 06 Dec 2019 18:09
 Operator : JC/SP
 Sample : K6168-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE39

Quant Time: Dec 07 00:21:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 06 22:30:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	283081	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	295000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	70843	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107195	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.93	69	125496	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.59	63	136339	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.68	46	242723	42.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.96%
24) Chloroform-d	5.11	84	187896	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.75	65	104233	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.77	84	369985	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.73	67	119209	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.93	98	297333	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.00%
43) trans-1,3-Dichloropropene-	8.21	79	42037	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	8.67	63	202850	45.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.28%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	102561	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	74627	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

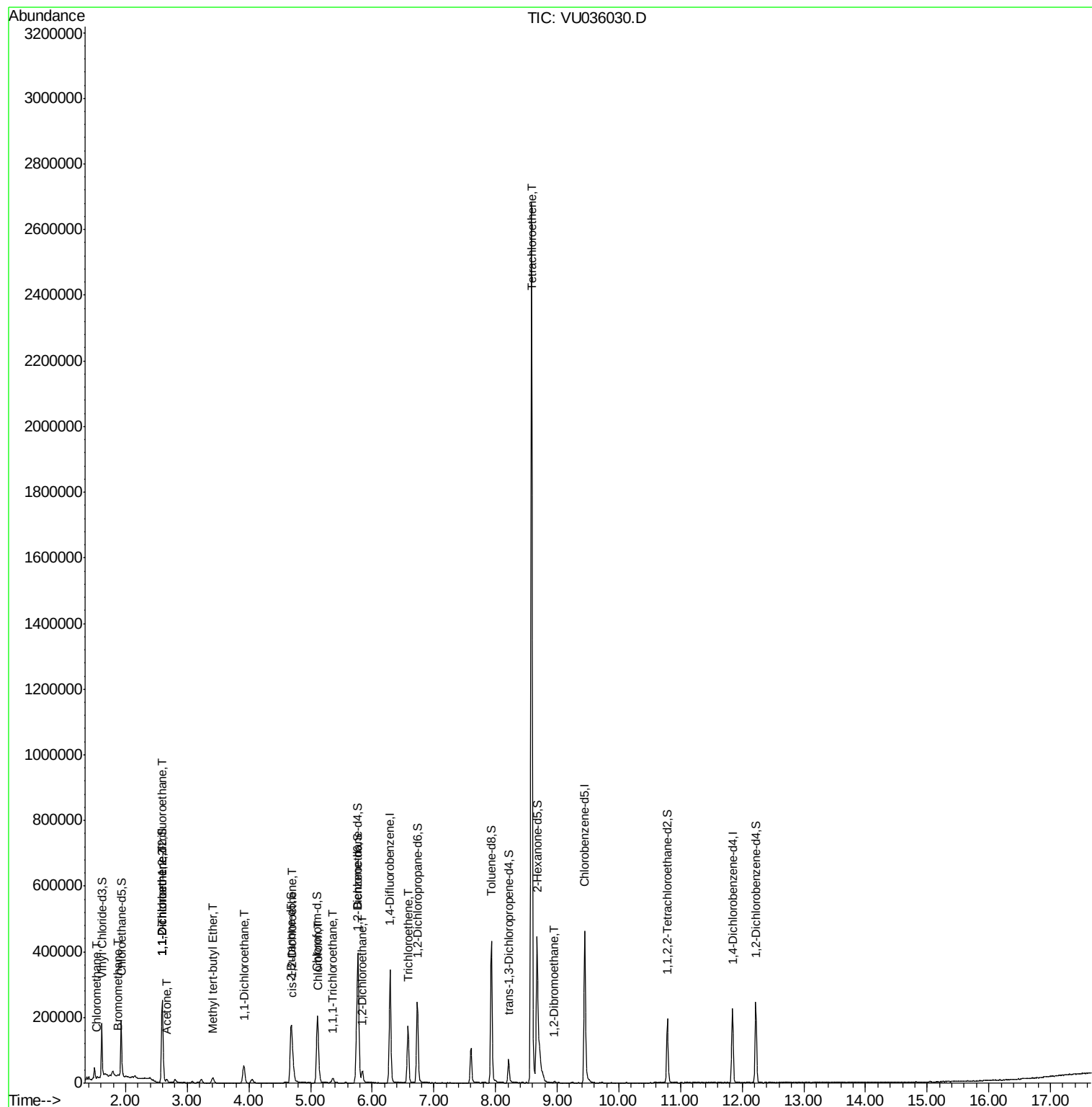
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	5014	0.150	ug/L	100
6) Bromomethane	1.87	94	2224	0.115	ug/L	74
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3767	0.173	ug/L #	70
12) 1,1-Dichloroethene	2.60	96	22583	1.113	ug/L #	1
13) Acetone	2.66	43	7463	1.445	ug/L	100
17) Methyl tert-butyl Ether	3.42	73	16963	0.357	ug/L	99
19) 1,1-Dichloroethane	3.92	63	63267	1.507	ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	20334	0.896	ug/L	87
25) Chloroform	5.13	83	25511	0.602	ug/L	90
27) 1,2-Dichloroethane	5.84	62	27785	1.026	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	10276	0.288	ug/L	96
34) Trichloroethene	6.58	95	58146	2.479	ug/L	95
47) Tetrachloroethene	8.58	164	651611	34.174	ug/L	94
50) 1,2-Dibromoethane	8.95	107	2478	0.149	ug/L #	95

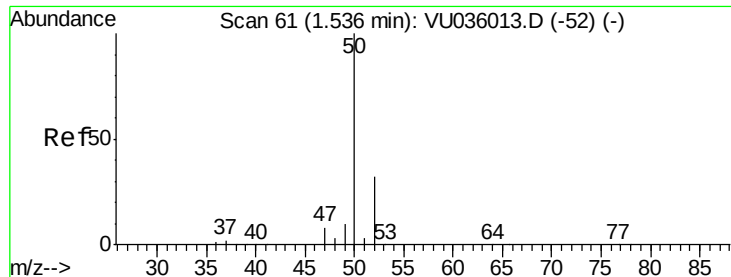
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 06 22:30:31 2019
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#3

Chloromethane

Concen: 0.150 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

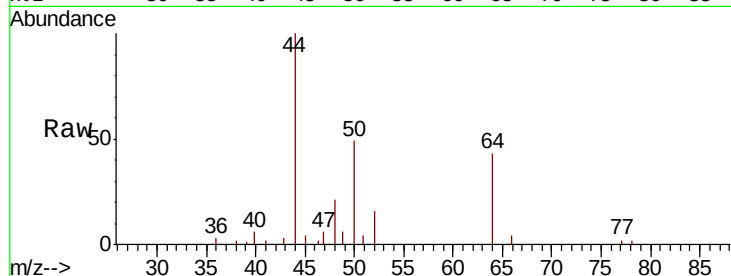
BFE39

Tot Ion: 50 Resp: 5014

Ion Ratio Lower Upper

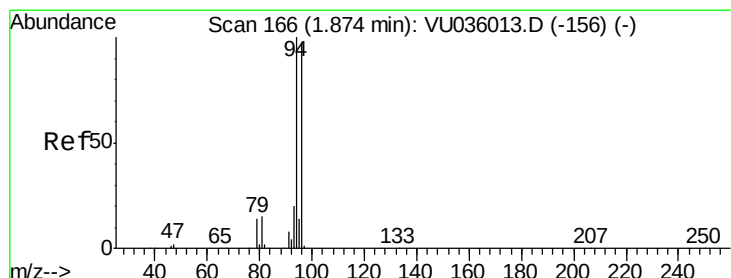
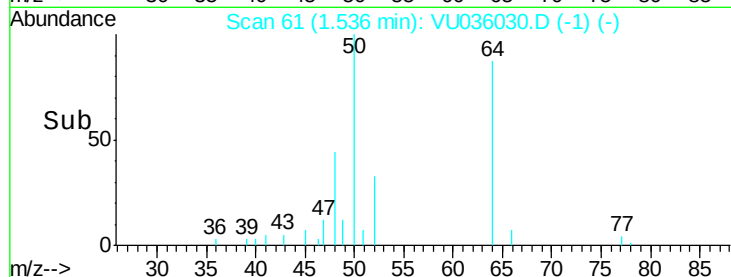
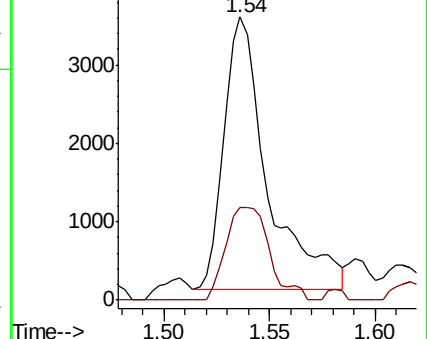
50 100

52 32.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.115 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036030.D

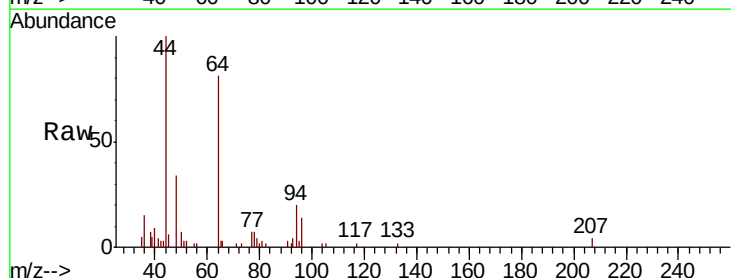
Acq: 06 Dec 2019 18:09

Tgt Ion: 94 Resp: 2224

Ion Ratio Lower Upper

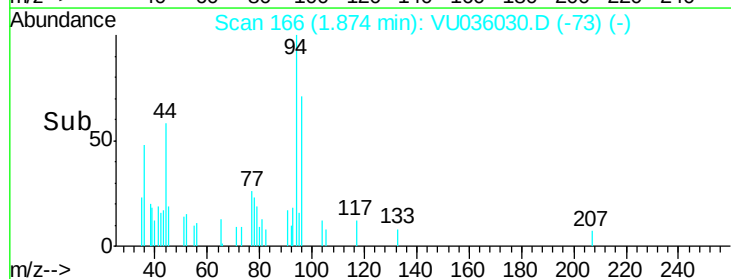
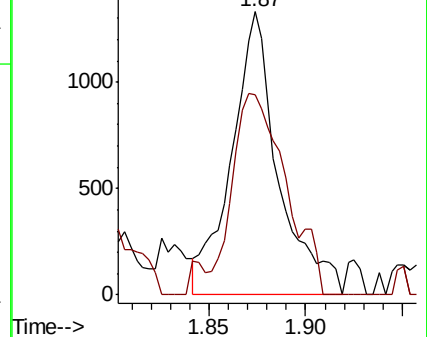
94 100

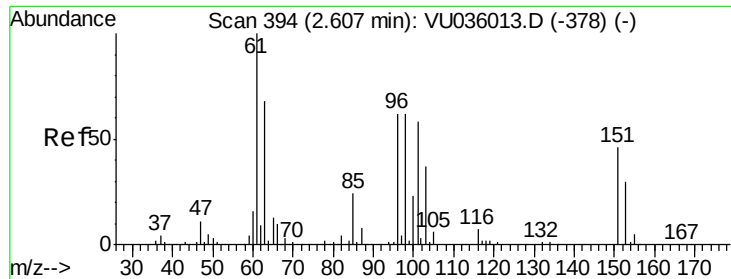
96 70.9 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#10

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

Concen: 0.173 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

BFE39

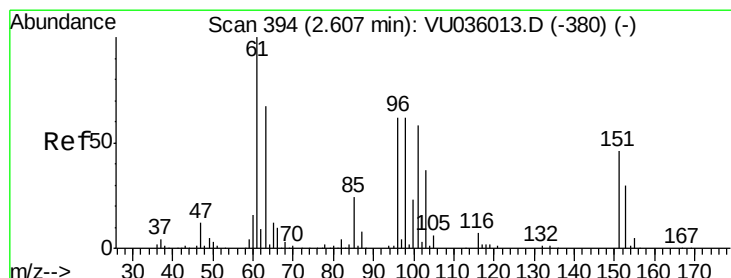
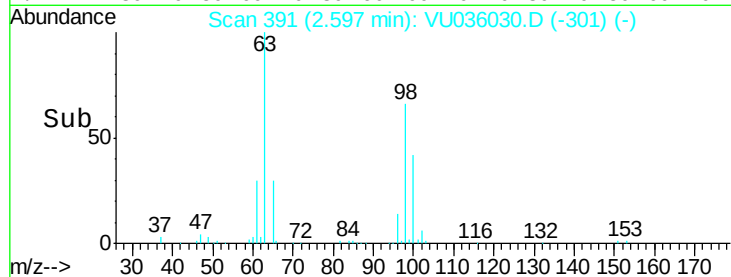
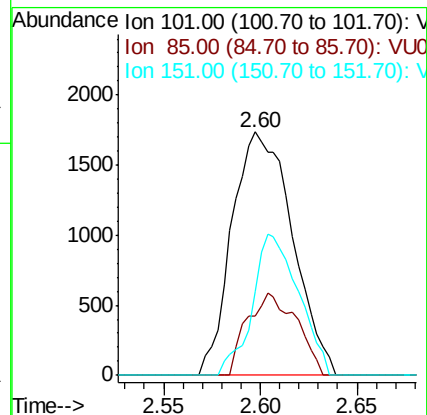
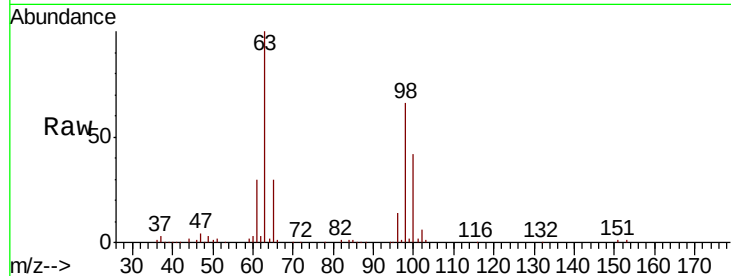
Tot Ion:101 Resp: 3767

Ion Ratio Lower Upper

101 100

85 27.7 35.5 53.3#

151 44.5 57.5 86.3#



#12

1,1-Dichloroethene

Concen: 1.113 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

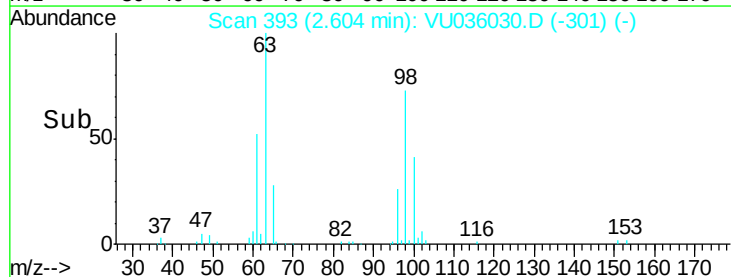
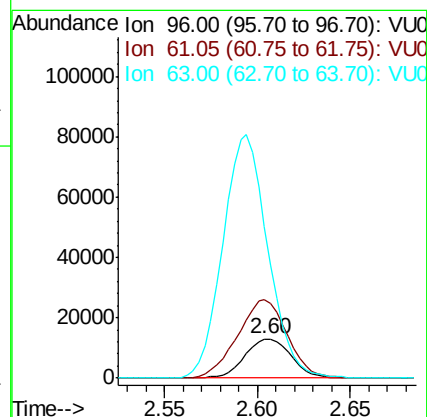
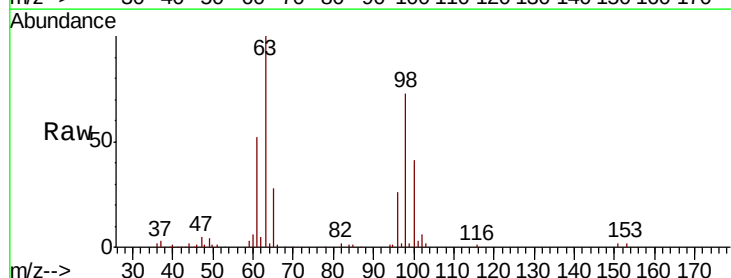
Tgt Ion: 96 Resp: 22583

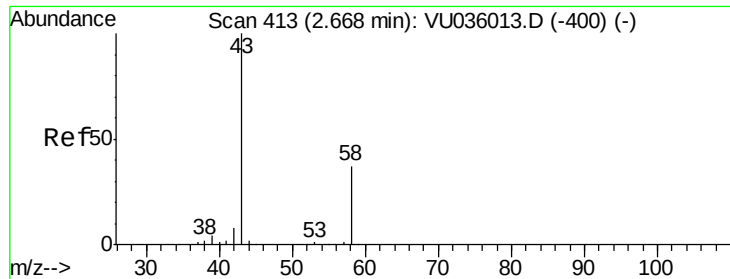
Ion Ratio Lower Upper

96 100

61 201.1 127.1 236.1

63 384.2 86.0 159.8#





#13

Acetone

Concen: 1.445 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

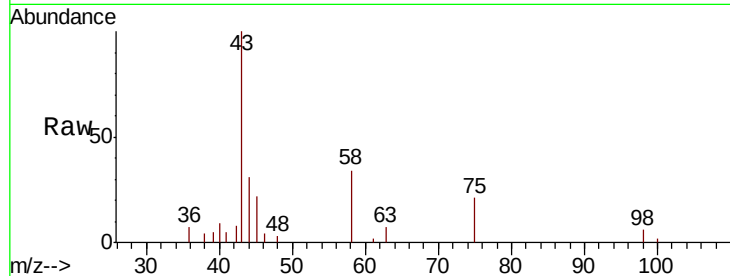
BFE39

Tot Ion: 43 Resp: 7463

Ion Ratio Lower Upper

43 100

58 34.6 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU036030.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU036030.D (-320) (-)

2.66

4000

3000

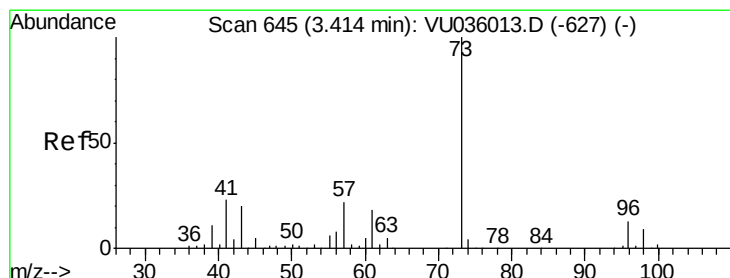
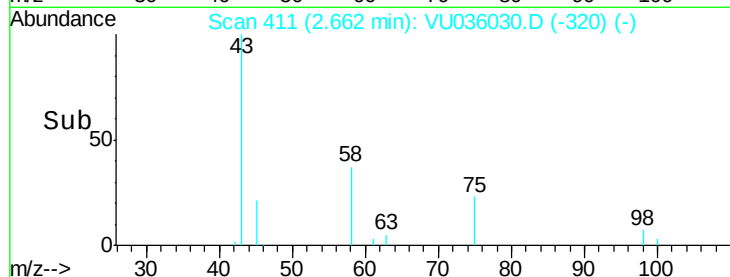
2000

1000

0

2.60 2.65 2.70

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.357 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.01 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

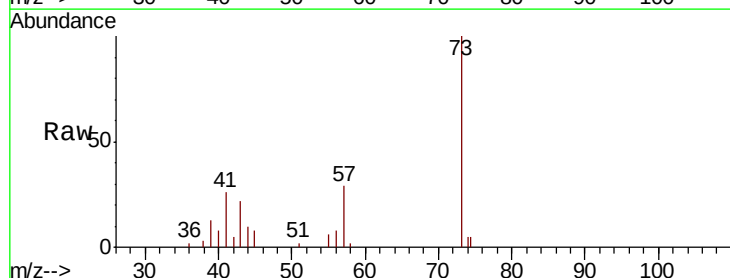
Tgt Ion: 73 Resp: 16963

Ion Ratio Lower Upper

73 100

43 19.6 15.9 23.9

57 23.8 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VU036030.D (-552) (-)

Ion 43.05 (42.75 to 43.75): VU036030.D (-552) (-)

Ion 57.10 (56.80 to 57.80): VU036030.D (-552) (-)

3.42

8000

6000

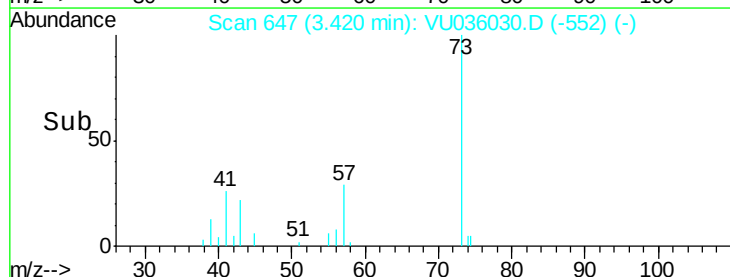
4000

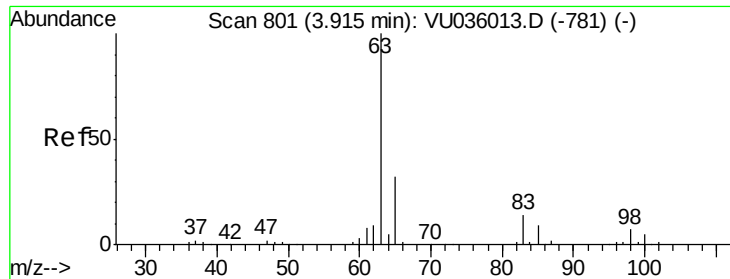
2000

0

3.35 3.40 3.45 3.50

Time-->

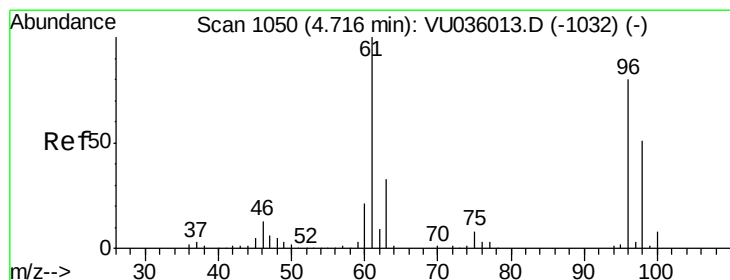
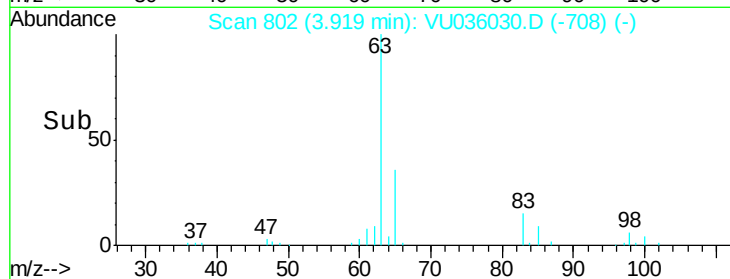
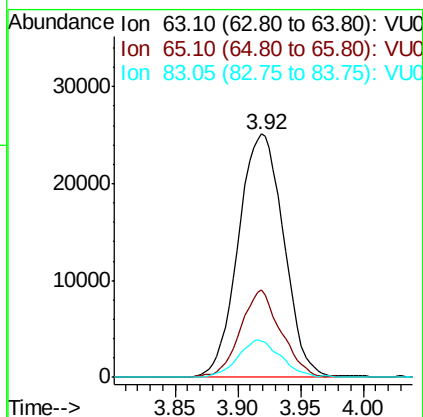
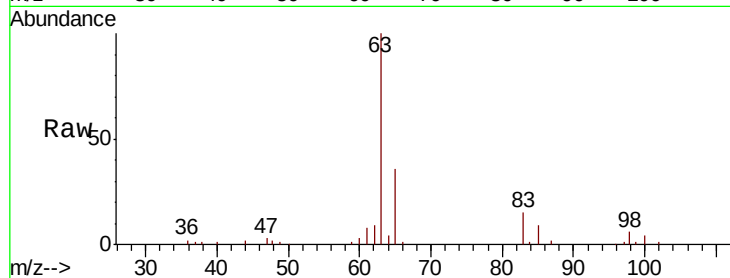




#19
 1,1-Dichloroethane
 Concen: 1.507 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036030.D
 Acq: 06 Dec 2019 18:09

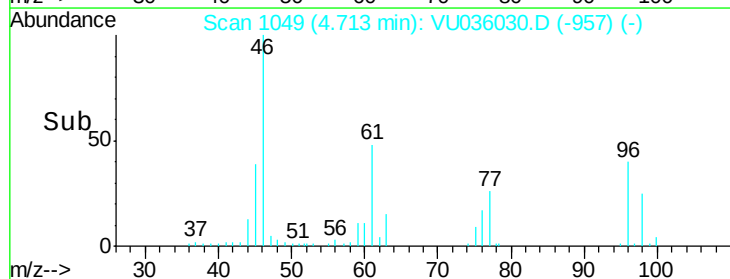
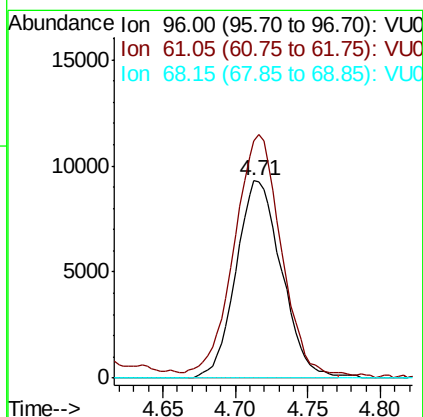
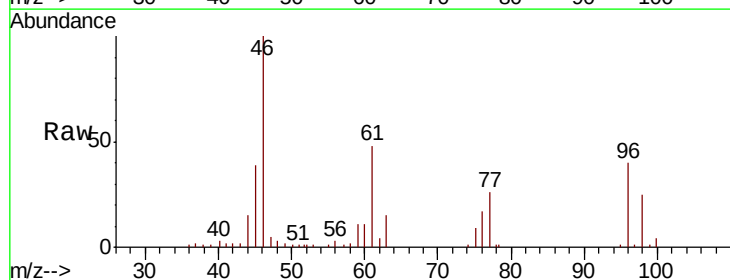
Instrument :
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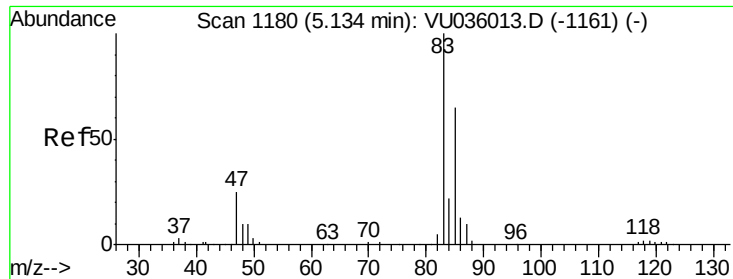
Tot Ion: 63 Resp: 63267
 Ion Ratio Lower Upper
 63 100
 65 35.9 22.4 41.6
 83 15.0 9.8 18.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.896 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036030.D
 Acq: 06 Dec 2019 18:09

Tgt Ion: 96 Resp: 20334
 Ion Ratio Lower Upper
 96 100
 61 120.6 95.7 177.7
 68 0.0 0.0 0.0

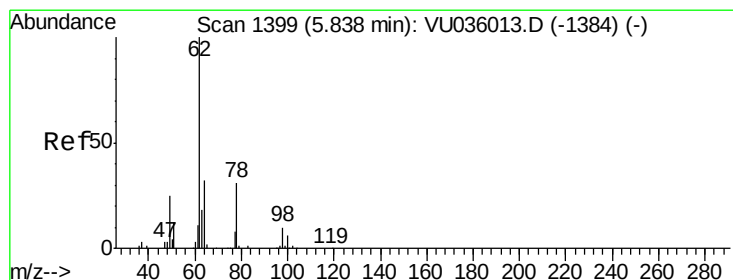
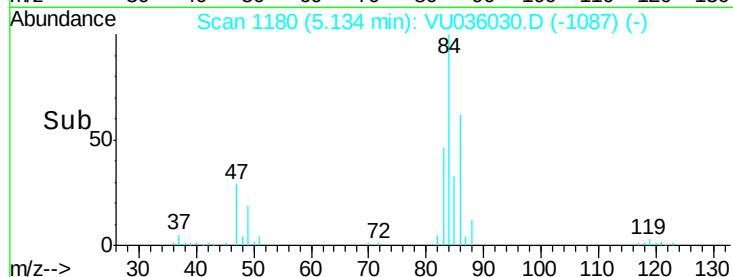
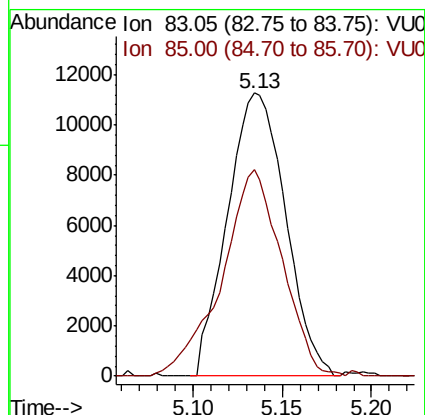
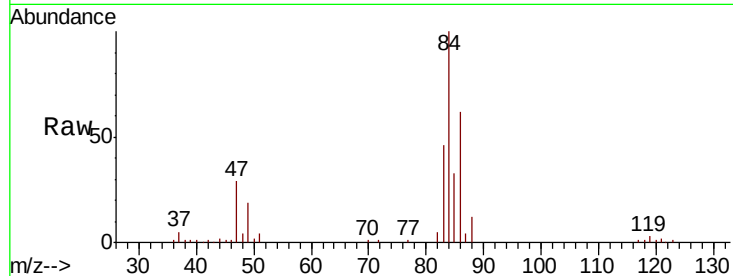




#25
Chloroform
Concen: 0.602 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036030.D
Acq: 06 Dec 2019 18:09

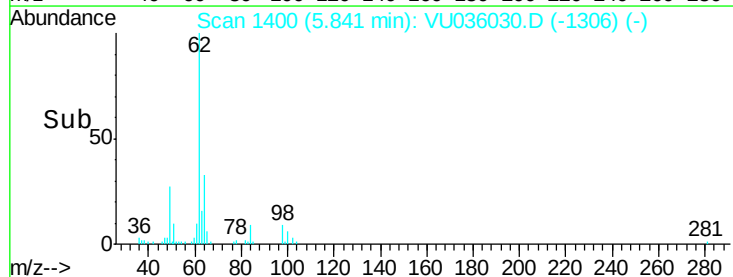
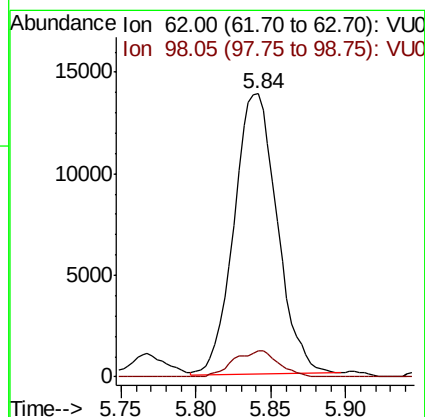
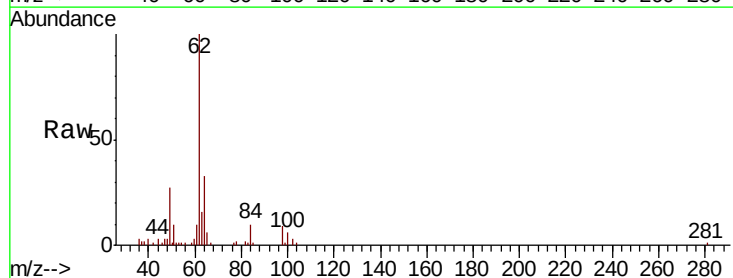
Instrument :
MSVOA_U
ClientSampled :
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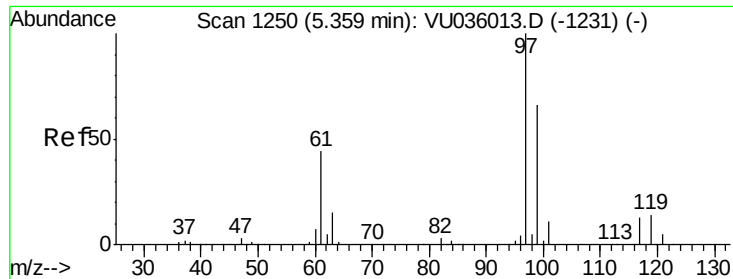
Tot Ion: 83 Resp: 25511
Ion Ratio Lower Upper
83 100
85 72.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 1.026 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036030.D
Acq: 06 Dec 2019 18:09

Tgt Ion: 62 Resp: 27785
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

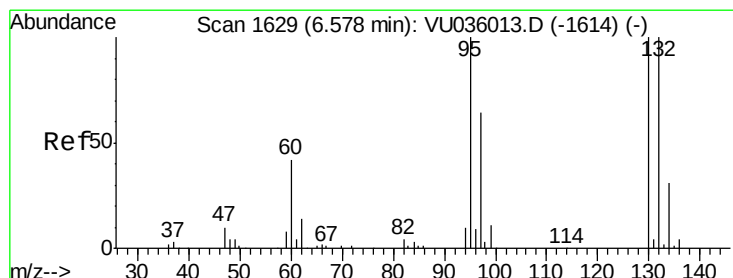
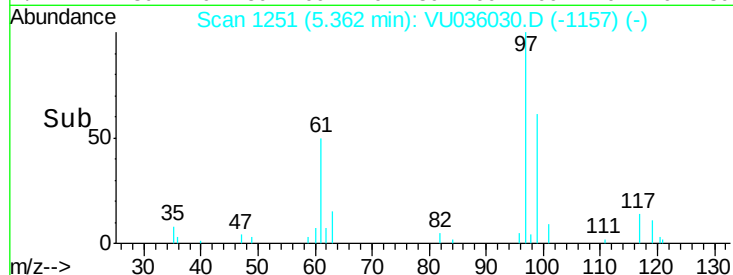
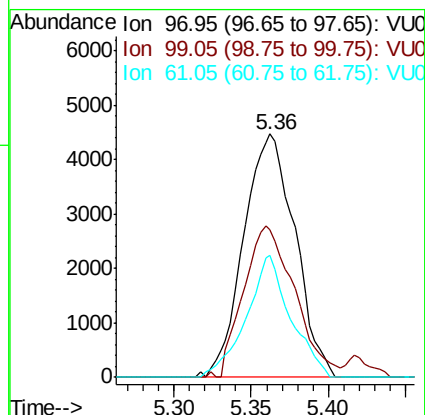
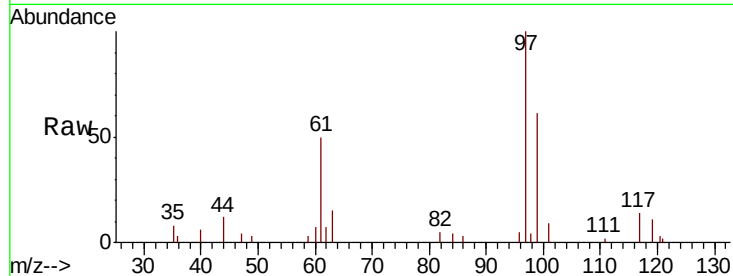




#29
 1,1,1-Trichloroethane
 Concen: 0.288 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036030.D
 Acq: 06 Dec 2019 18:09

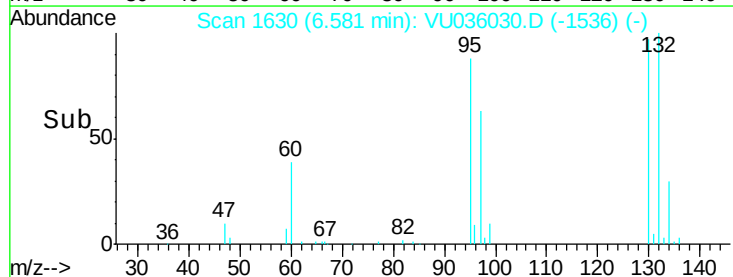
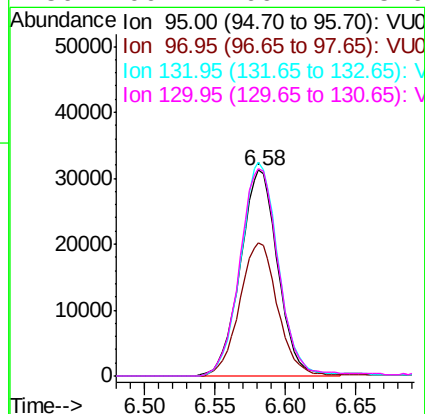
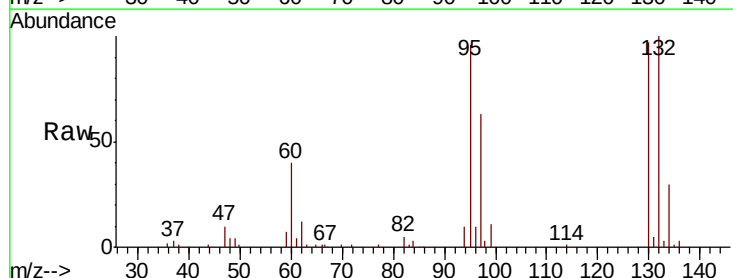
Instrument :
 MSVOA_U
 ClientSampleId :
 BFE39

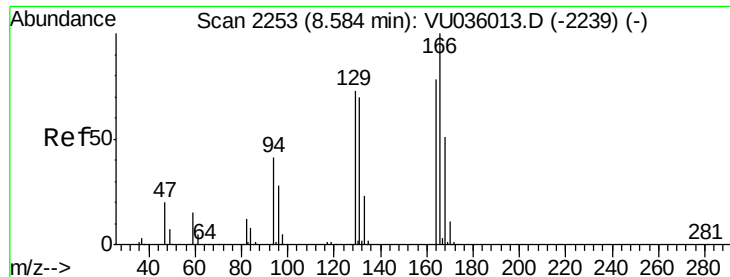
Tot Ion: 97 Resp: 10276
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.8 77.8
 61 43.4 37.6 56.4



#34
 Trichloroethene
 Concen: 2.479 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036030.D
 Acq: 06 Dec 2019 18:09

Tgt Ion: 95 Resp: 58146
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.3 85.9
 132 103.9 65.7 122.1
 130 100.7 69.2 128.6





#47

Tetrachloroethene

Concen: 34.174 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

BFE39

Tot Ion:164 Resp: 651611

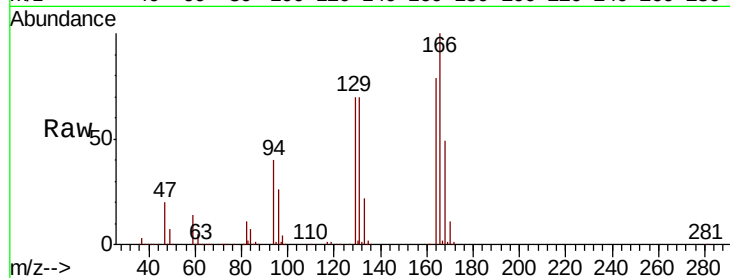
Ion Ratio Lower Upper

164 100

129 88.8 67.9 126.1

131 87.9 64.1 119.1

166 126.2 92.6 172.0

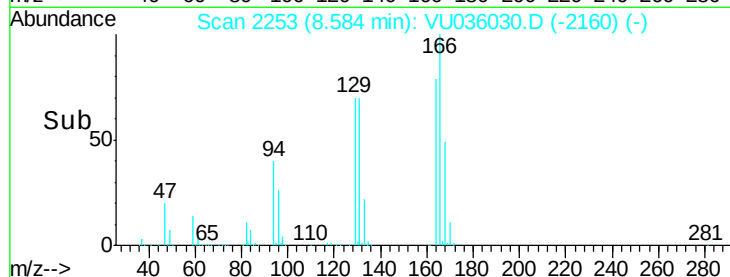


Abundance Ion 163.90 (163.60 to 164.60): V

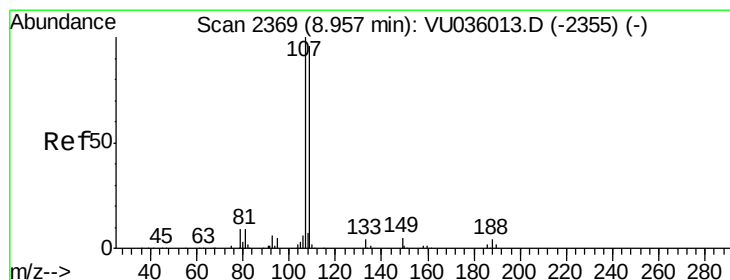
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->



#50

1,2-Dibromoethane

Concen: 0.149 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036030.D

Acq: 06 Dec 2019 18:09

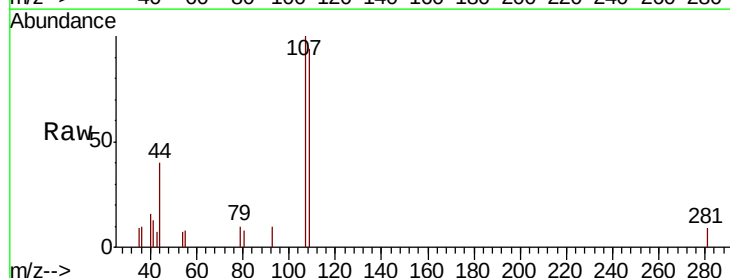
Tgt Ion:107 Resp: 2478

Ion Ratio Lower Upper

107 100

109 93.8 62.5 116.1

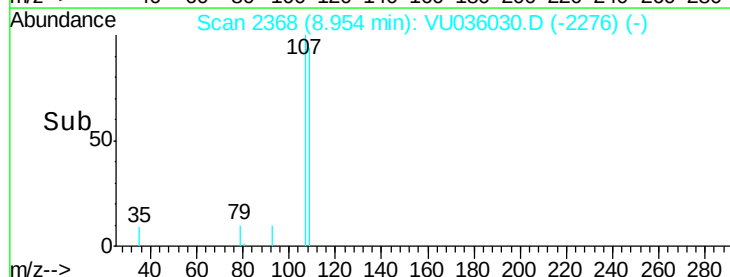
188 0.0 3.0 4.6#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



Time-->