

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039023.D
 Acq On : 22 Jun 2020 22:46
 Operator : SY/MD
 Sample : L3061-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ9

Quant Time: Jun 23 01:30:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	251749	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	258516	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	117340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122901	5.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.00%
7) Chloroethane-d5	1.93	69	93473	6.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.20%
11) 1,1-Dichloroethene-d2	2.59	63	168411	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.67	46	336355	49.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.90%
24) Chloroform-d	5.10	84	205403	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.74	65	123914	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.76	84	413972	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.72	67	134390	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.92	98	326788	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.20	79	42223	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.65	63	252593	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114740	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	129926	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

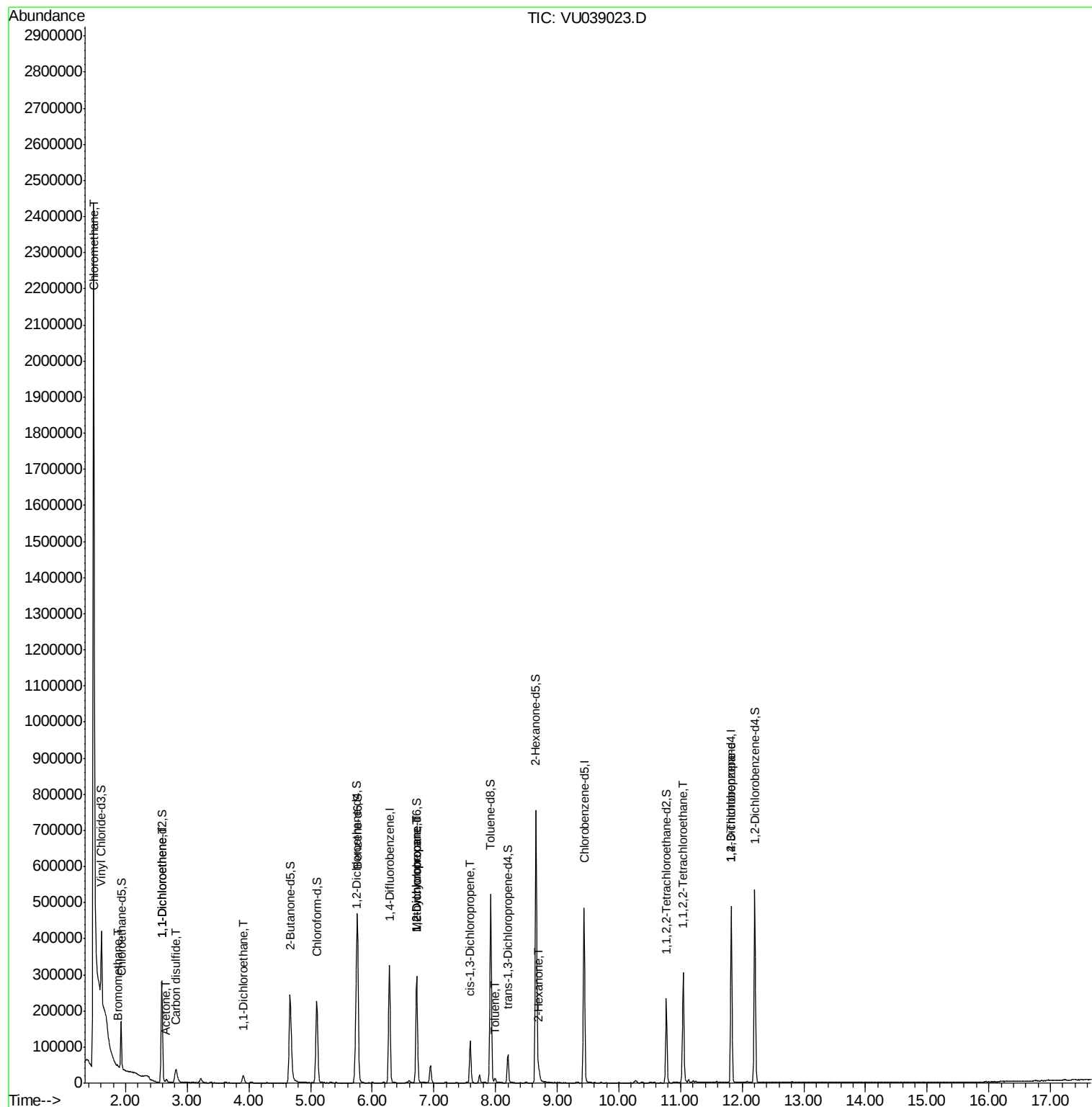
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.48	50	70519	5.046	ug/L #	43
6) Bromomethane	1.87	94	1308	0.213	ug/L	99
12) 1,1-Dichloroethene	2.59	96	1312	0.072	ug/L #	1
13) Acetone	2.66	43	9275	2.184	ug/L	94
14) Carbon disulfide	2.83	76	23149	0.368	ug/L #	95
19) 1,1-Dichloroethane	3.91	63	23855	0.621	ug/L	96
35) Methylcyclohexane	6.72	83	31930	1.012	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	15402	0.686	ug/L #	70
39) cis-1,3-Dichloropropene	7.59	75	2571	0.080	ug/L #	59
42) Toluene	7.99	91	7682	0.092	ug/L	95
48) 2-Hexanone	8.71	43	14318	1.153	ug/L	96
58) 1,1,2,2-Tetrachloroethane	11.04	83	5054	0.231	ug/L #	55
59) 1,2,3-Trichloropropane	11.82	75	15771	0.954	ug/L	89

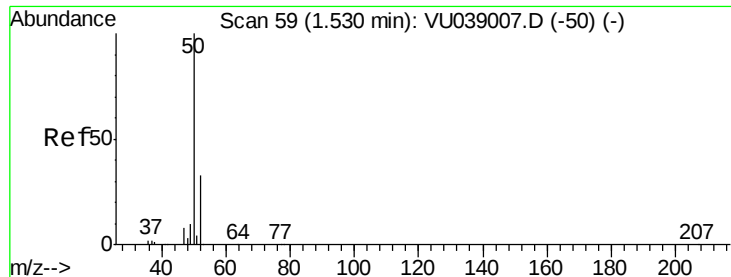
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 5.046 ug/L

RT: 1.48 min Scan# 44

Delta R.T. -0.05 min

Lab File: VU039023.D

Acq: 22 Jun 2020 22:46

Instrument :

MSVOA_U

ClientSampleId :

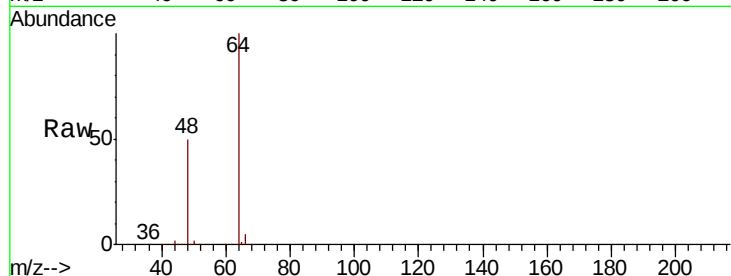
BFXJ9

Tot Ion: 50 Resp: 70519

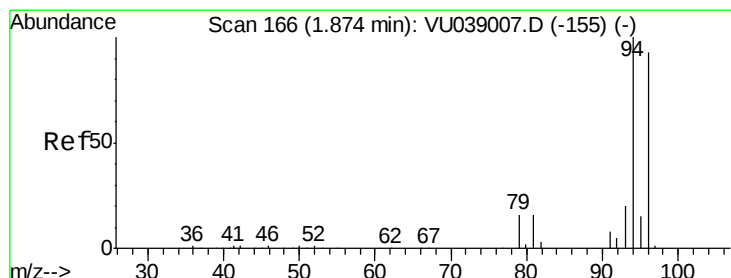
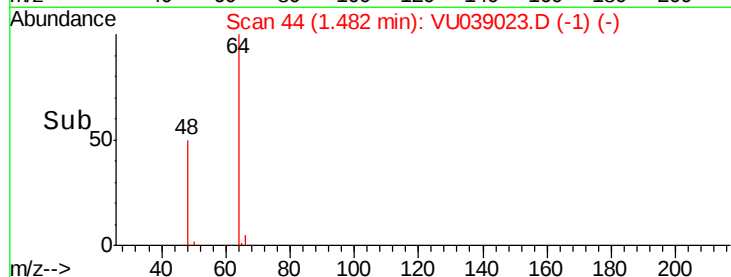
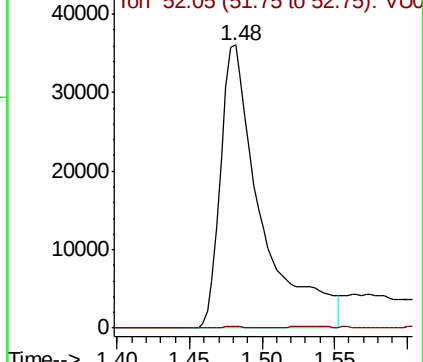
Ion Ratio Lower Upper

50 100

52 0.7 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU039007.D (-50) (-)



#6

Bromomethane

Concen: 0.213 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039023.D

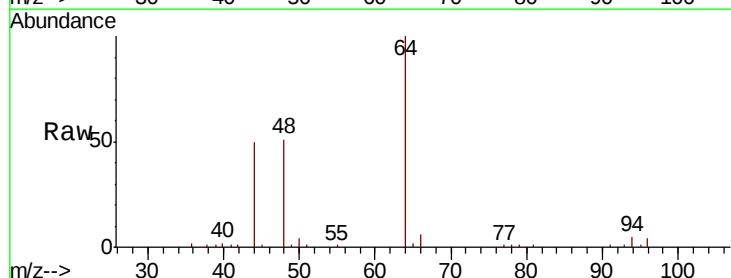
Acq: 22 Jun 2020 22:46

Tgt Ion: 94 Resp: 1308

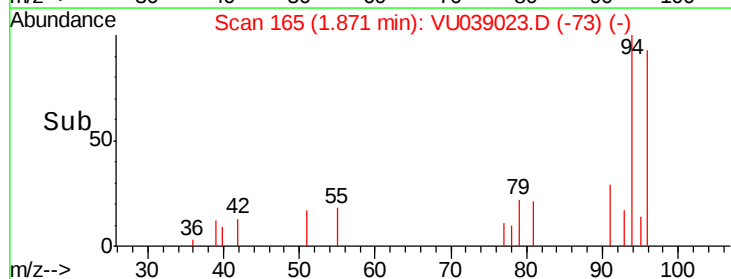
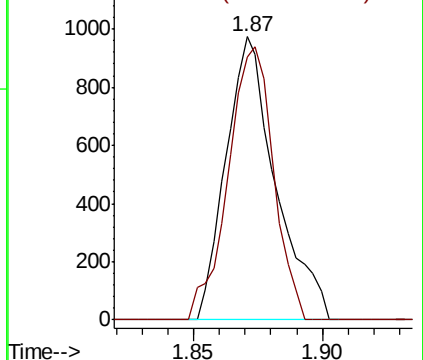
Ion Ratio Lower Upper

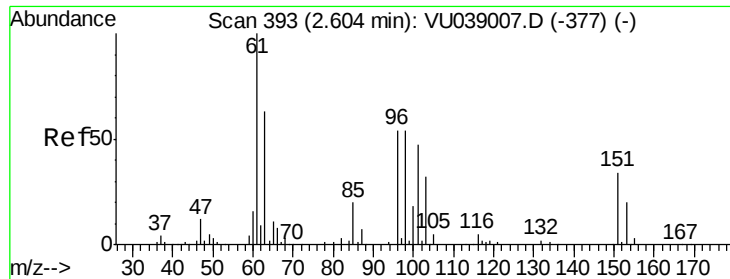
94 100

96 92.9 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039007.D (-155) (-)





#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU039023.D

Acq: 22 Jun 2020 22:46

Instrument :

MSVOA_U

ClientSampleId :

BFXJ9

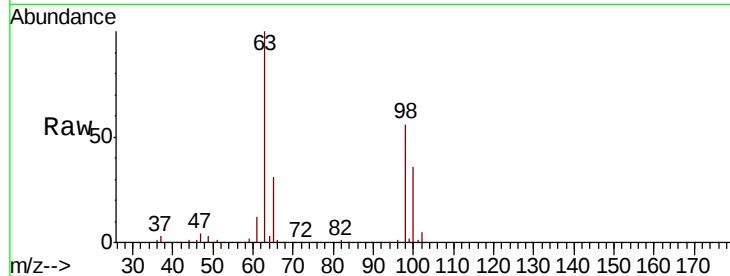
Tot Ion: 96 Resp: 1312

Ion Ratio Lower Upper

96 100

61 1459.6 128.7 239.1#

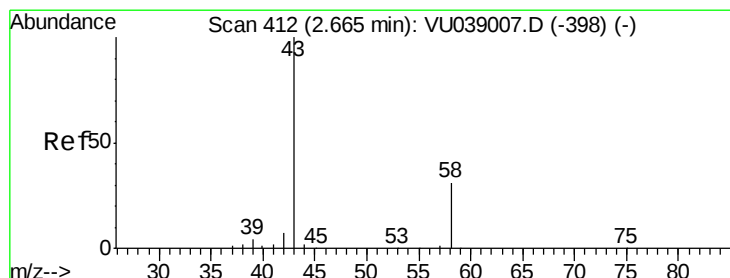
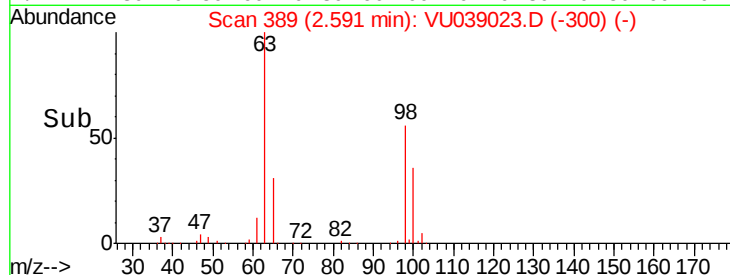
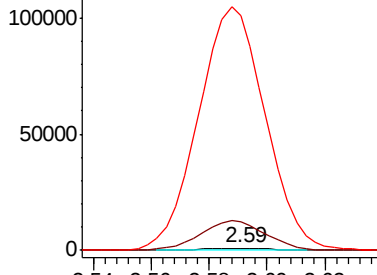
63 12229.1 101.5 188.5#



Abundance Ion 96.00 (95.70 to 96.70): VU039023.D (-389) (-)

Ion 61.05 (60.75 to 61.75): VU039023.D (-389) (-)

Ion 63.00 (62.70 to 63.70): VU039023.D (-389) (-)



#13

Acetone

Concen: 2.184 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039023.D

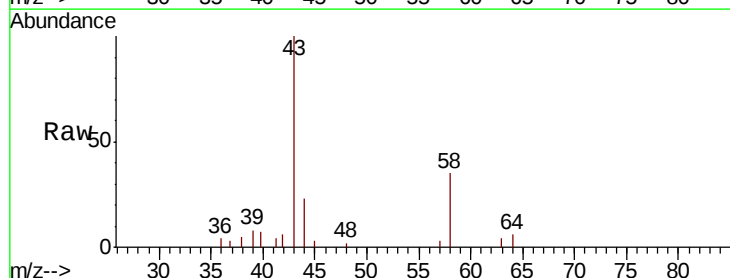
Acq: 22 Jun 2020 22:46

Tgt Ion: 43 Resp: 9275

Ion Ratio Lower Upper

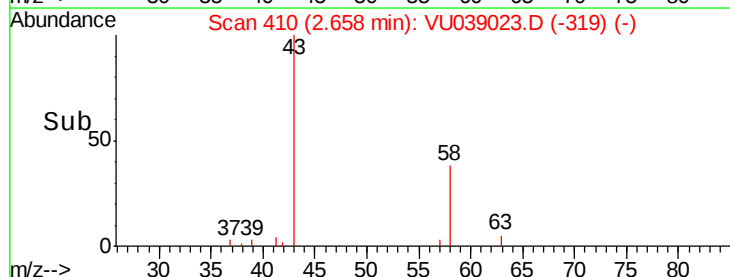
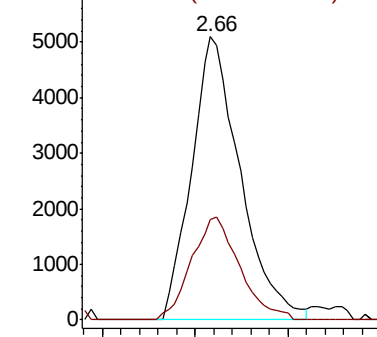
43 100

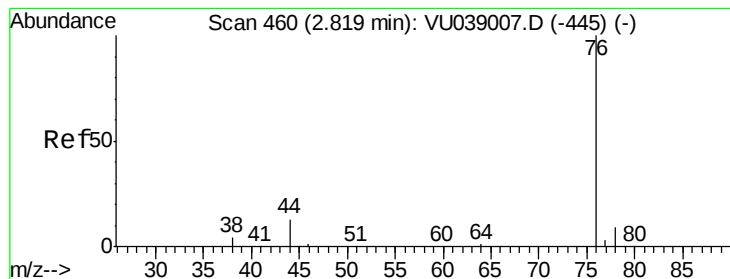
58 36.0 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039023.D (-410) (-)

Ion 58.05 (57.75 to 58.75): VU039023.D (-410) (-)





#14

Carbon disulfide

Concen: 0.368 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU039023.D

Acq: 22 Jun 2020 22:46

Instrument :

MSVOA_U

ClientSampleId :

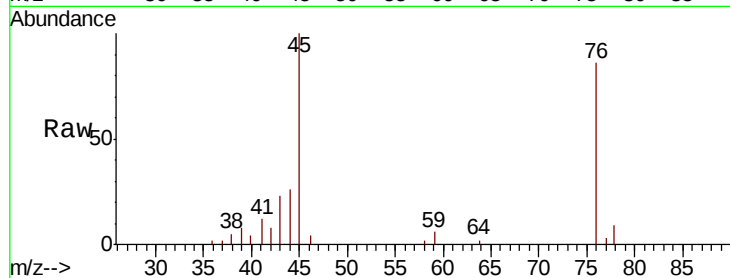
BFXJ9

Tot Ion: 76 Resp: 23149

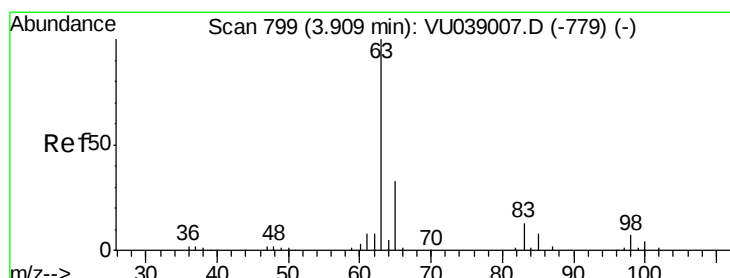
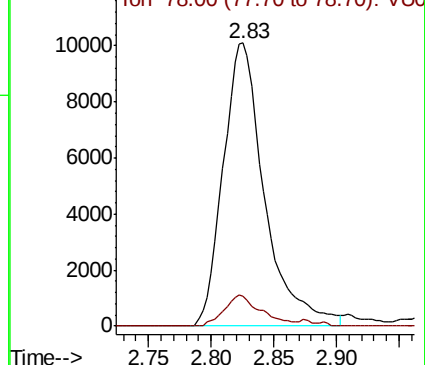
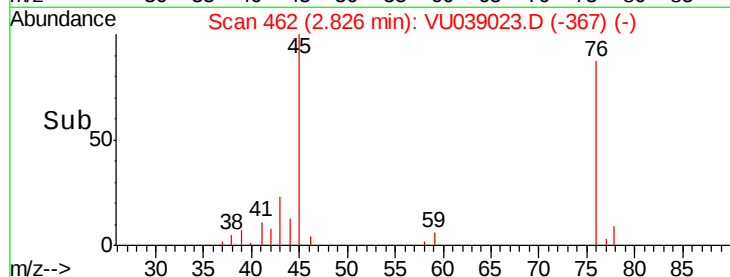
Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU039023.D (-367) (-)



#19

1,1-Dichloroethane

Concen: 0.621 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039023.D

Acq: 22 Jun 2020 22:46

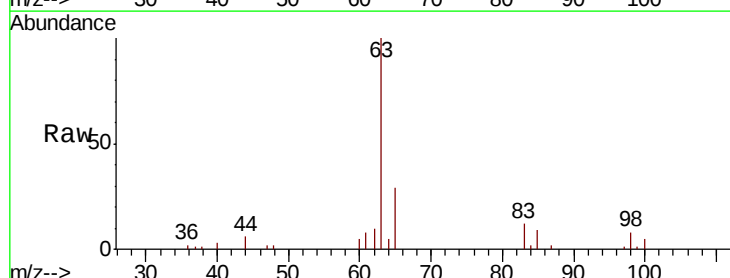
Tgt Ion: 63 Resp: 23855

Ion Ratio Lower Upper

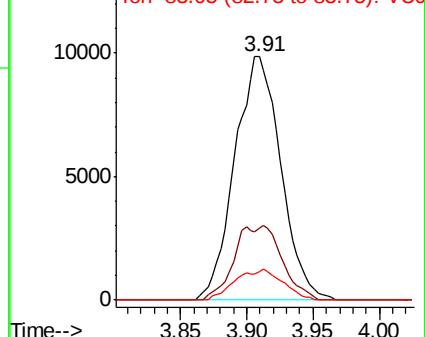
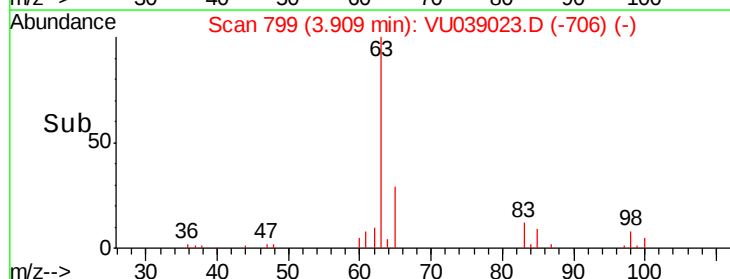
63 100

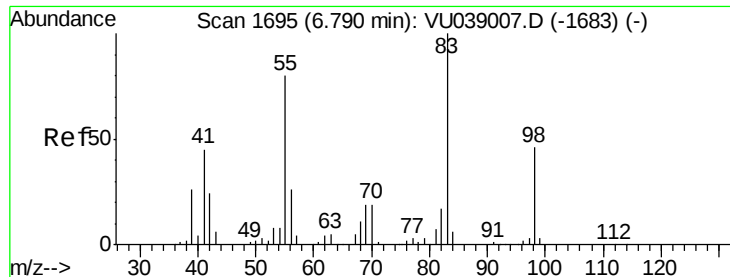
65 29.5 22.5 41.7

83 11.8 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU039023.D (-706) (-)

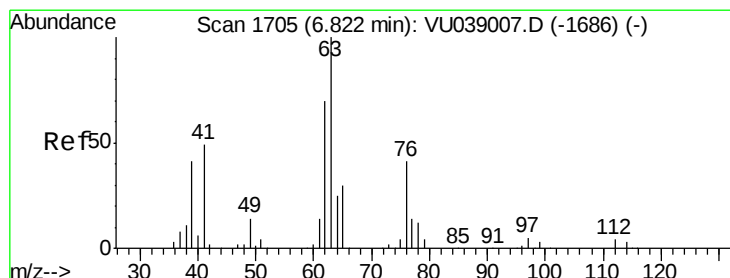
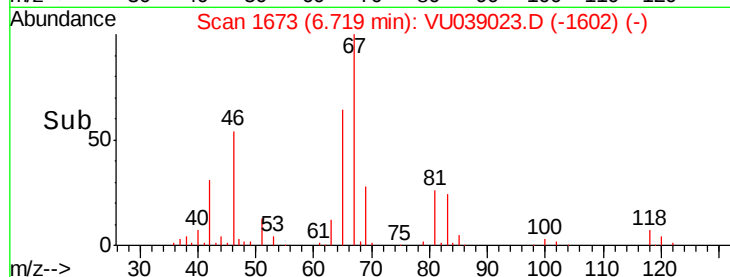
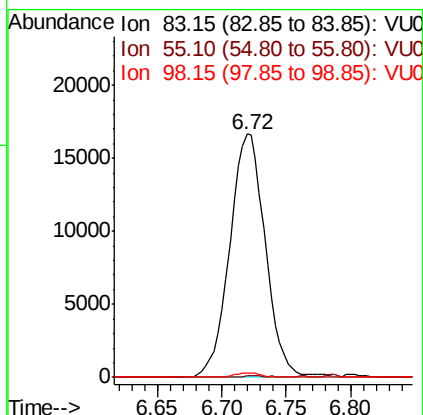
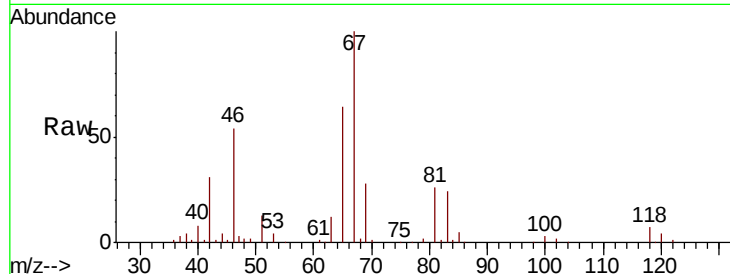




#35
Methvlcvclohexane
Concen: 1.012 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039023.D
Acq: 22 Jun 2020 22:46

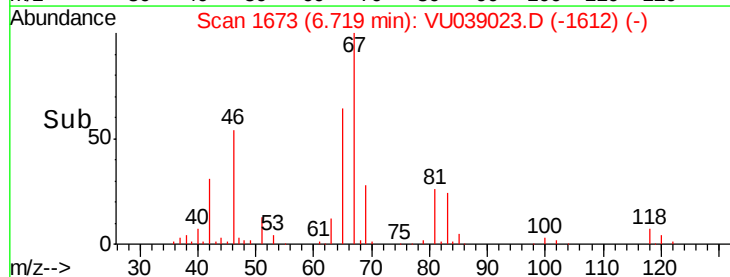
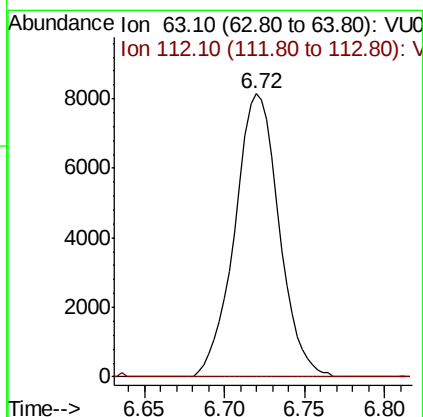
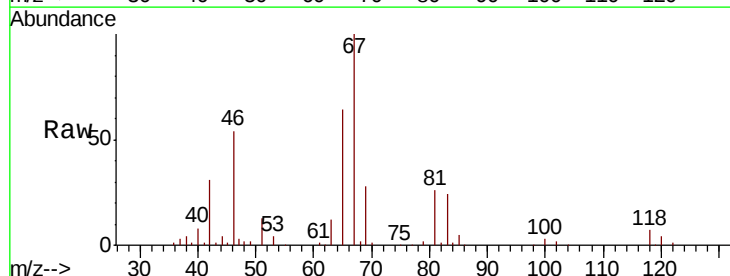
Instrument :
MSVOA_U
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BFXJ9

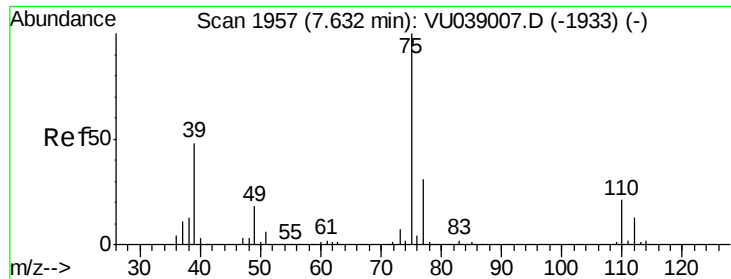
Tot Ion: 83 Resp: 31930
Ion Ratio Lower Upper
83 100
55 0.0 65.1 97.7#
98 1.2 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.686 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039023.D
Acq: 22 Jun 2020 22:46

Tgt Ion: 63 Resp: 15402
Ion Ratio Lower Upper
63 100
112 14.2 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039023.D

Acq: 22 Jun 2020 22:46

Instrument :

MSVOA_U

ClientSampleId :

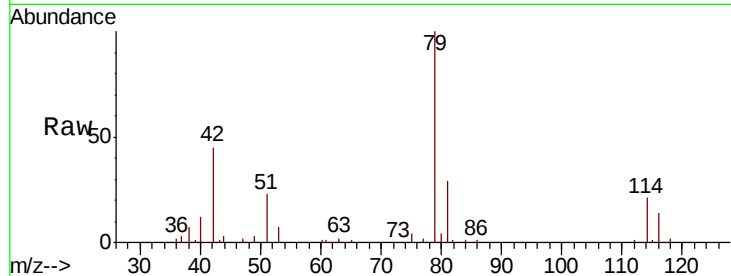
BFXJ9

Tot Ion: 75 Resp: 2571

Ion Ratio Lower Upper

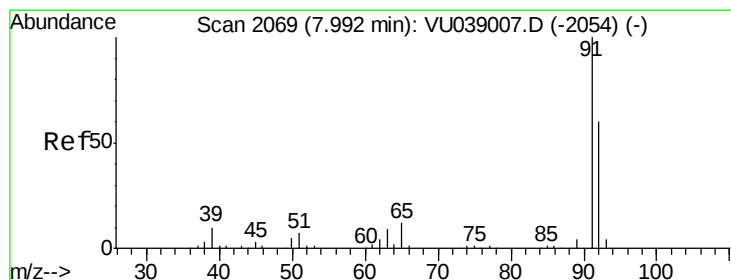
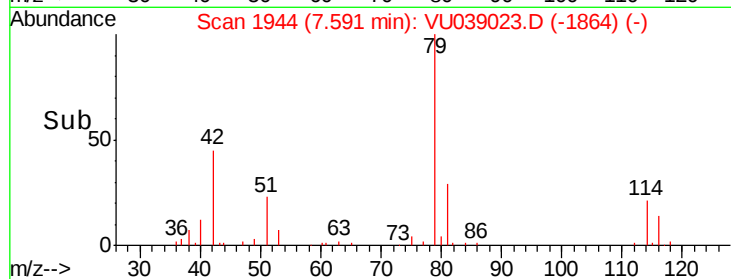
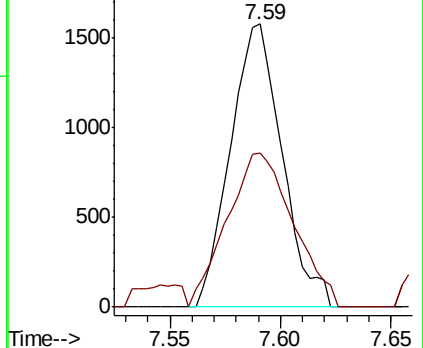
75 100

77 54.3 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.092 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039023.D

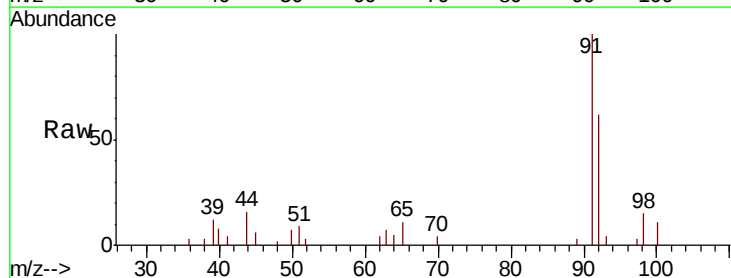
Acq: 22 Jun 2020 22:46

Tgt Ion: 91 Resp: 7682

Ion Ratio Lower Upper

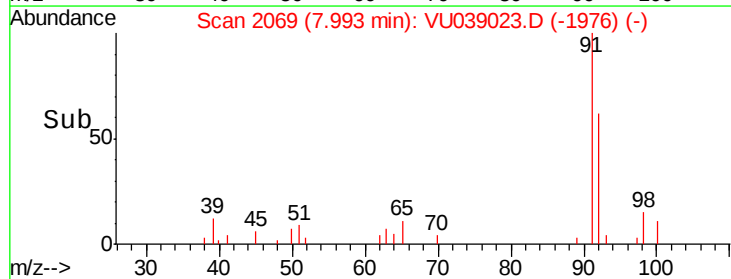
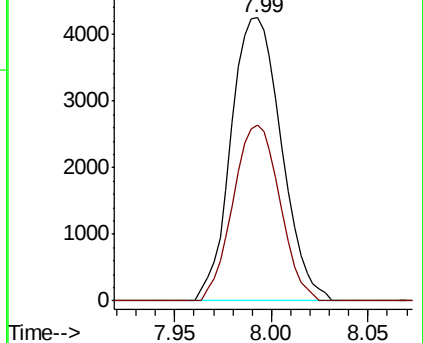
91 100

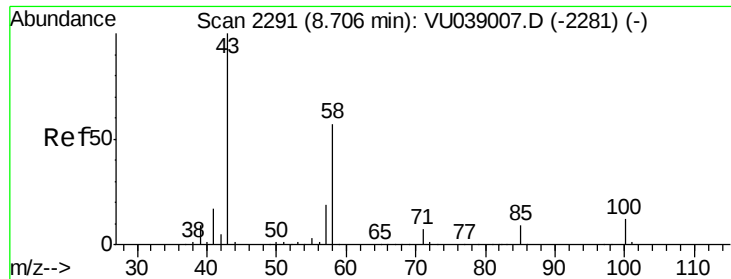
92 61.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

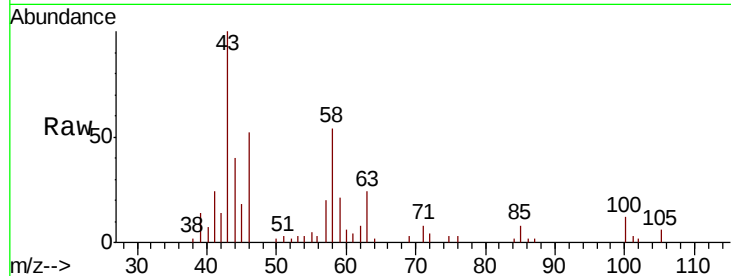




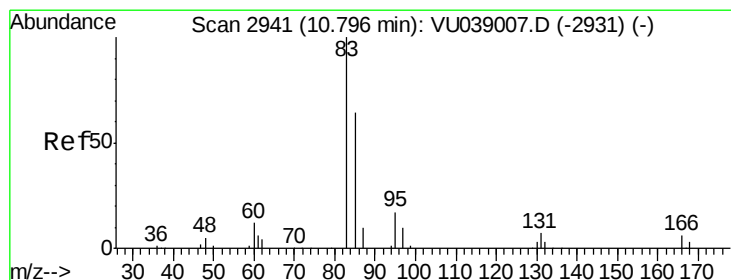
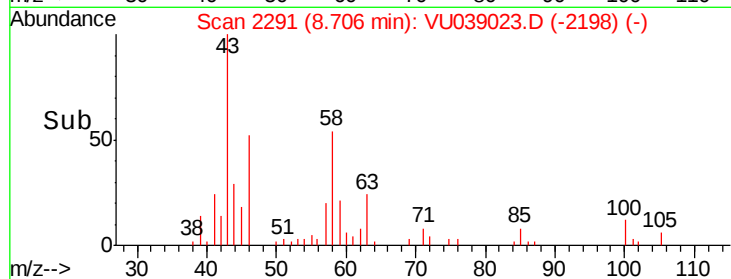
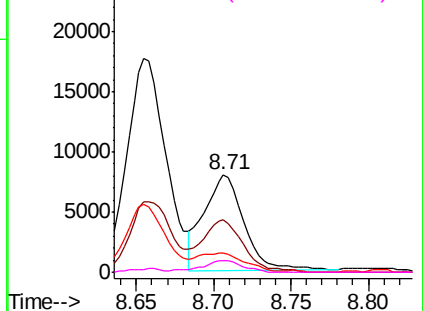
#48
2-Hexanone
Concen: 1.153 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039023.D
Acq: 22 Jun 2020 22:46

Instrument :
MSVOA_U
ClientSampled :
BFXJ9

Tot Ion:	43	Resp:	14318
Ion	Ratio	Lower	Upper
43	100		
58	56.6	43.5	65.3
57	21.8	15.0	22.4
100	12.3	9.4	14.2

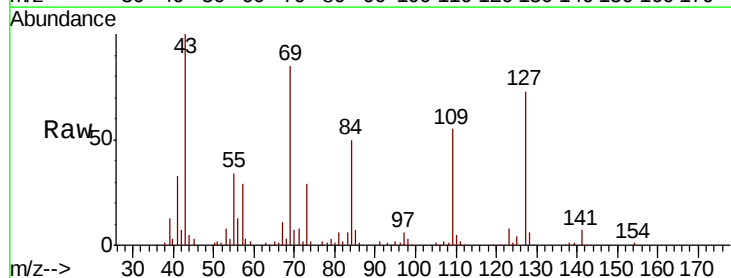


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

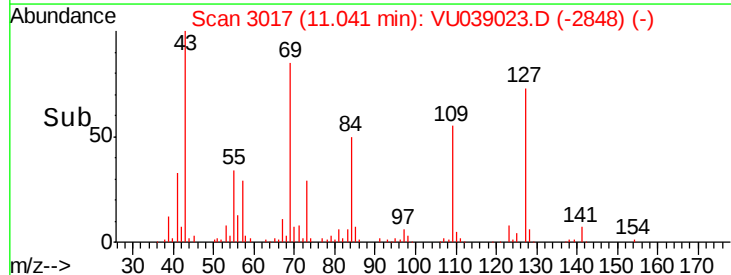
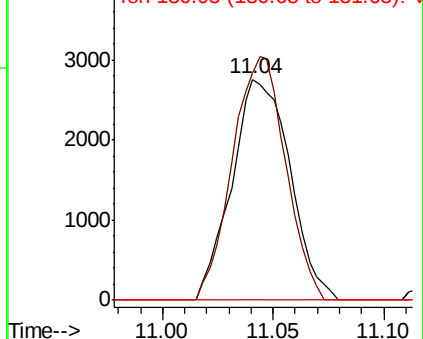


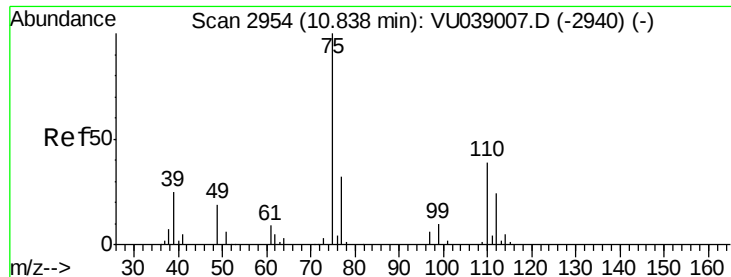
#58
1,1,2,2-Tetrachloroethane
Concen: 0.231 ug/L
RT: 11.04 min Scan# 3017
Delta R.T. 0.24 min
Lab File: VU039023.D
Acq: 22 Jun 2020 22:46

Tgt Ion:	83	Resp:	5054
Ion	Ratio	Lower	Upper
83	100		
85	102.4	45.2	84.0#
131	0.0	7.6	11.4#



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 130.95 (130.65 to 131.65): VU0





#59

1,2,3-Trichloropropane

Concen: 0.954 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039023.D

Acq: 22 Jun 2020 22:46

Instrument :

MSVOA_U

ClientSampleId :

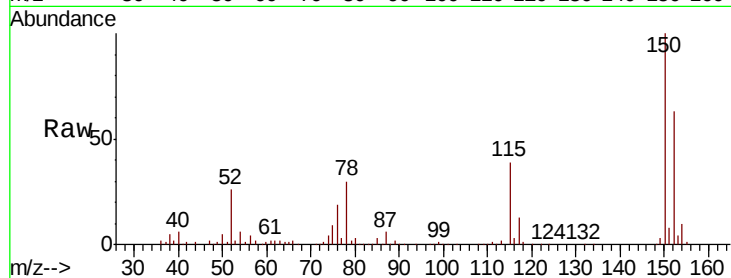
BFXJ9

Tot Ion: 75 Resp: 15771

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

