

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037592.D
 Acq On : 06 Apr 2020 15:54
 Operator : JC/MD
 Sample : L2158-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ1

Quant Time: Apr 07 00:50:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 00:48:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	165988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	156241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	72198	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	54699	40.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.16%
7) Chloroethane-d5	1.93	69	46668	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.18%
11) 1,1-Dichloroethene-d2	2.59	63	76147	33.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.20%
21) 2-Butanone-d5	4.67	46	99341	98.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.05%
24) Chloroform-d	5.10	84	98749	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.96%
26) 1,2-Dichloroethane-d4	5.74	65	65544	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
32) Benzene-d6	5.76	84	204531	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
36) 1,2-Dichloropropane-d6	6.72	67	68677	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.14%
41) Toluene-d8	7.92	98	185423	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%
43) trans-1,3-Dichloropropene-	8.20	79	35747	43.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.40%
47) 2-Hexanone-d5	8.65	63	77637	96.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	100974	46.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.70%
64) 1,2-Dichlorobenzene-d4	12.20	152	68593	46.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.12%

Target Compounds

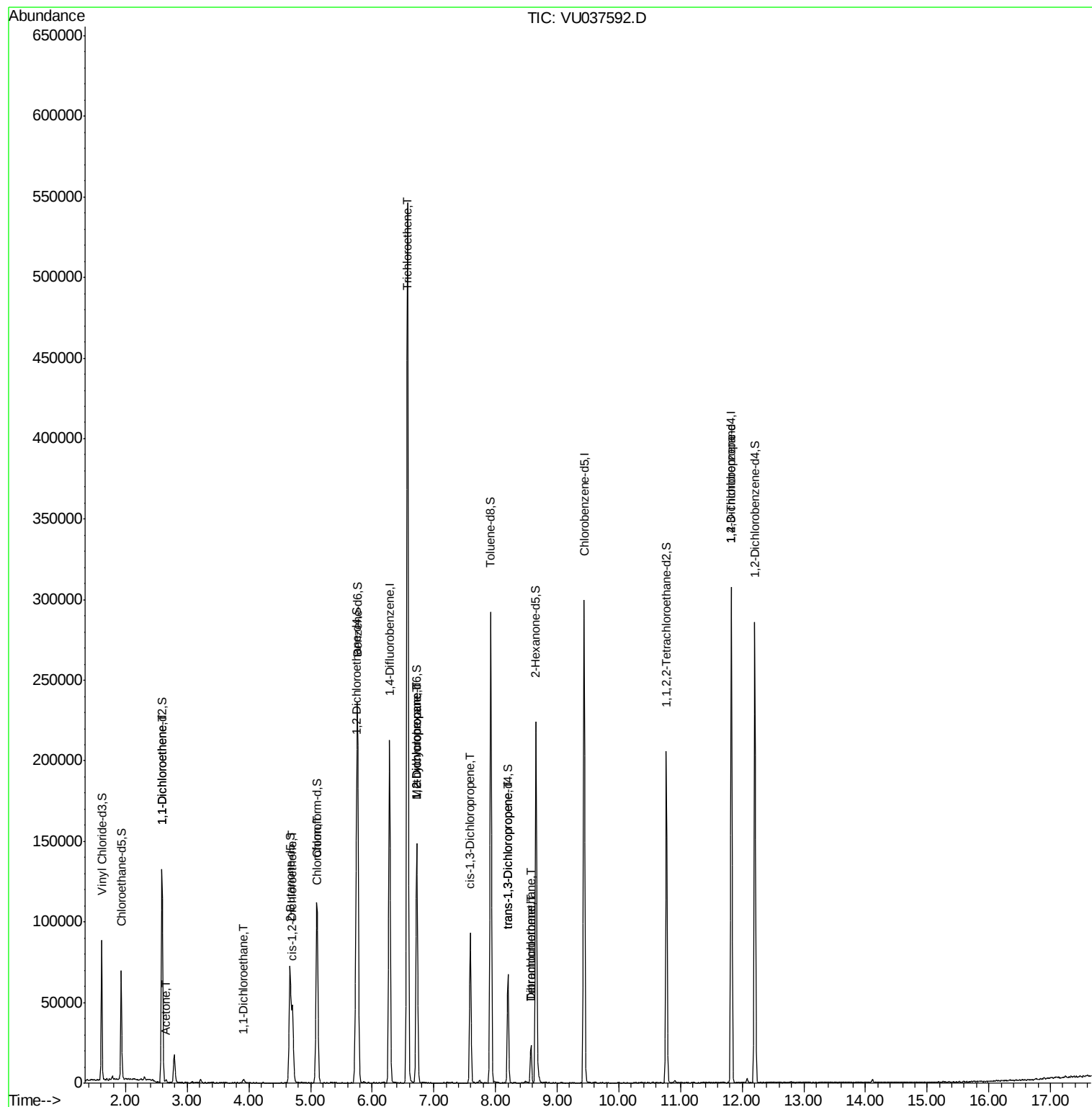
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	906	1.020	ug/L #	1
13) Acetone	2.65	43	1179	2.013	ug/L	71
19) 1,1-Dichloroethane	3.92	63	2764	1.476	ug/L #	96
20) cis-1,2-Dichloroethene	4.71	96	21605	19.623	ug/L	93
25) Chloroform	5.12	83	1676	0.858	ug/L	95
34) Trichloroethene	6.57	95	182970	170.927	ug/L	99
35) Methylcyclohexane	6.72	83	15384	9.301	ug/L #	20
37) 1,2-Dichloropropane	6.73	63	7301	6.259	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2468	1.355	ug/L #	75
44) trans-1,3-Dichloropropene	8.20	75	1772	0.988	ug/L	91
46) Tetrachloroethene	8.57	164	4649	6.468	ug/L	96
49) Dibromochloromethane	8.57	129	4897	4.123	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	10509	7.008	ug/L	90

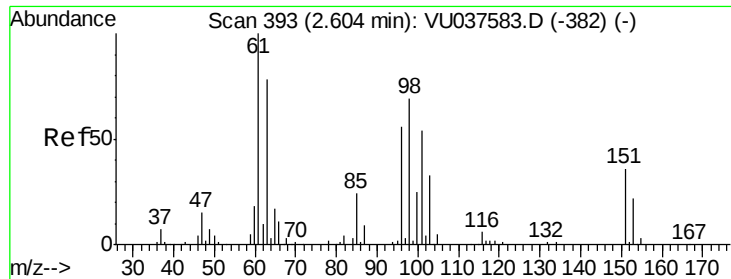
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 07 00:48:05 2020
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#12

1,1-Dichloroethene

Concen: 1.020 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037592.D

Acq: 06 Apr 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0EZ1

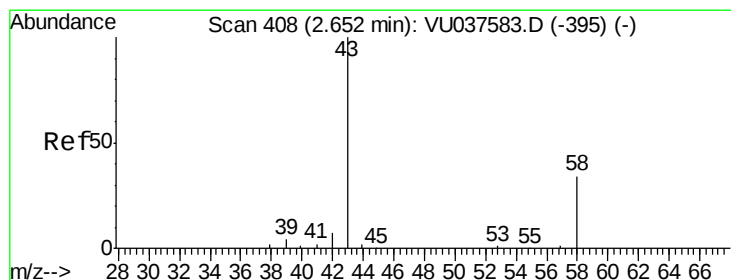
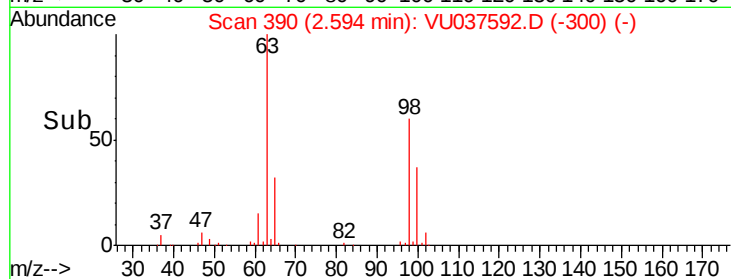
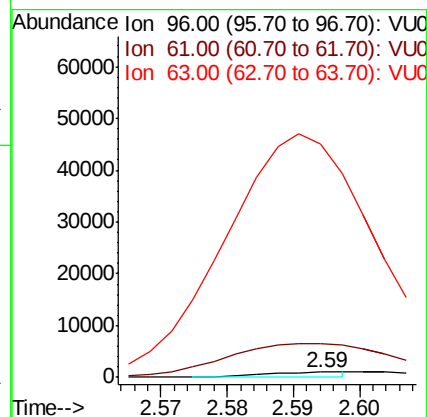
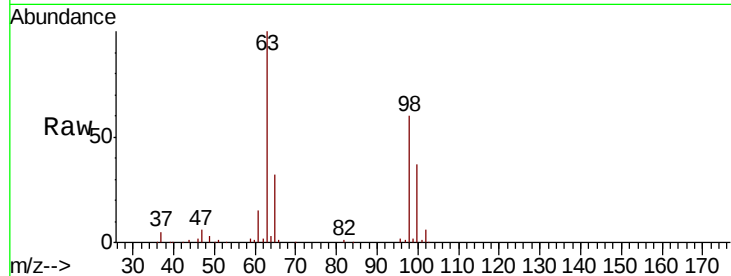
Tot Ion: 96 Resp: 906

Ion Ratio Lower Upper

96 100

61 653.2 117.2 217.8#

63 4478.4 90.9 168.9#



#13

Acetone

Concen: 2.013 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037592.D

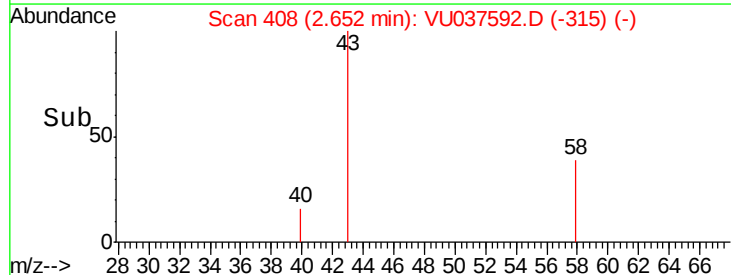
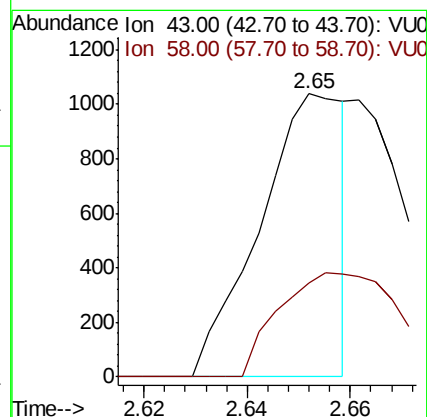
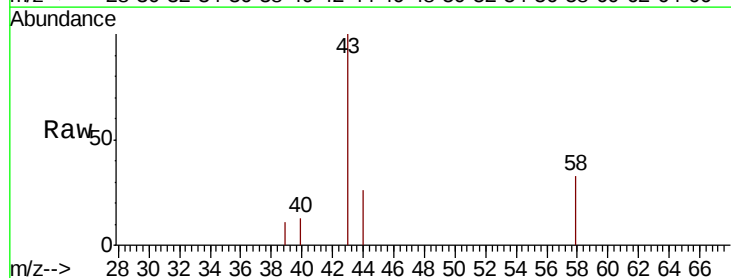
Acq: 06 Apr 2020 15:54

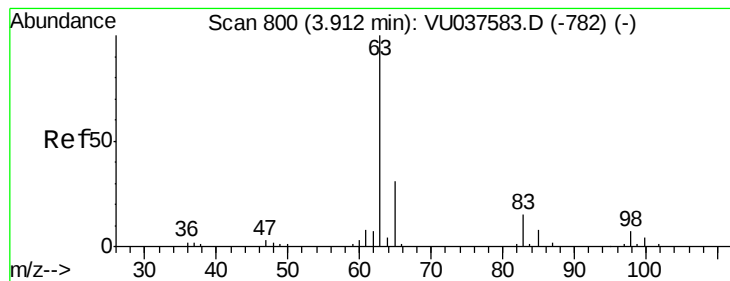
Tgt Ion: 43 Resp: 1179

Ion Ratio Lower Upper

43 100

58 50.9 0.0 68.8





#19

1,1-Dichloroethane

Concen: 1.476 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU037592.D

Acq: 06 Apr 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0EZ1

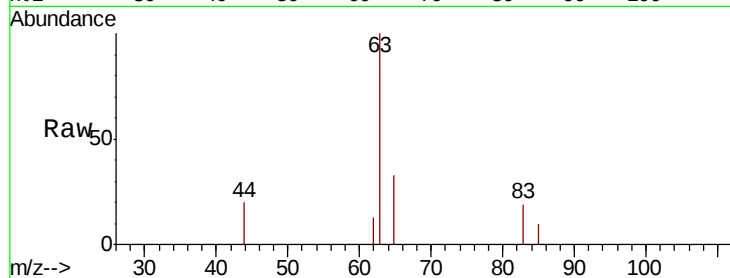
Tot Ion: 63 Resp: 2764

Ion Ratio Lower Upper

63 100

65 32.8 23.2 43.2

83 18.8 9.6 17.8#

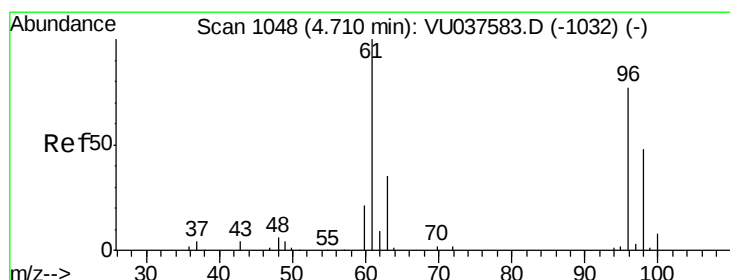
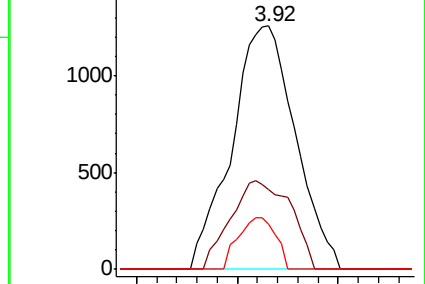
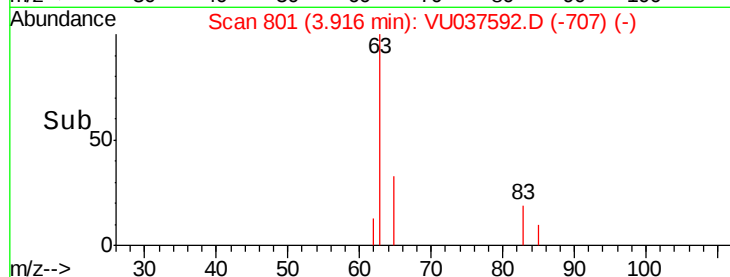


Abundance Ion 63.00 (62.70 to 63.70): VU037583.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU037583.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU037583.D (-782) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 19.623 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037592.D

Acq: 06 Apr 2020 15:54

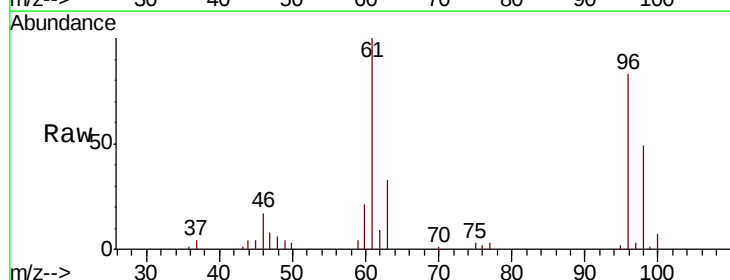
Tgt Ion: 96 Resp: 21605

Ion Ratio Lower Upper

96 100

61 120.4 90.2 167.6

68 0.0 0.0 0.0

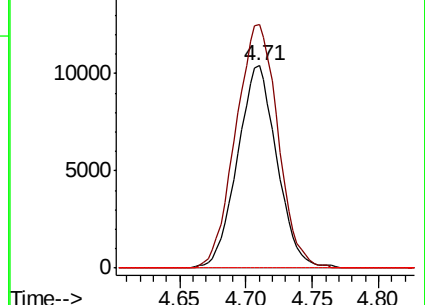
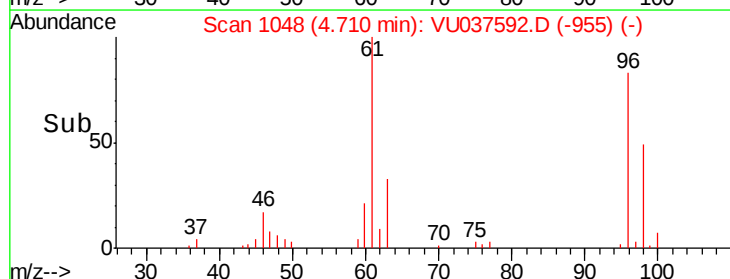


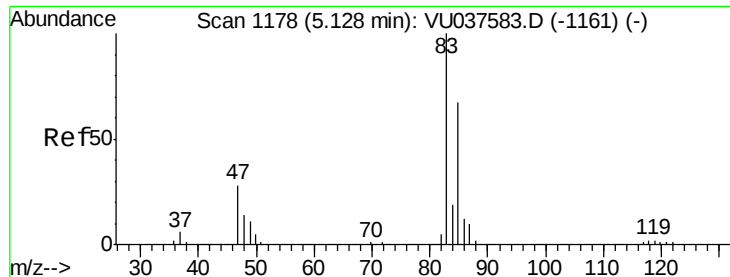
Abundance Ion 96.00 (95.70 to 96.70): VU037583.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU037583.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU037583.D (-1032) (-)

Time-->

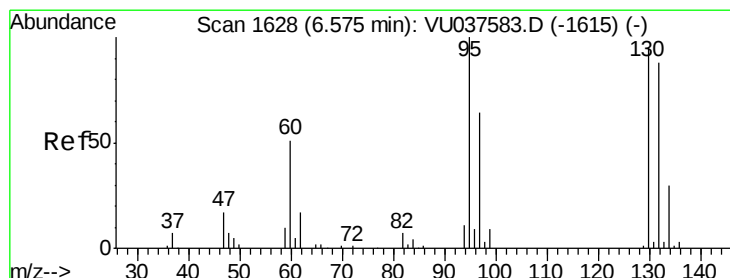
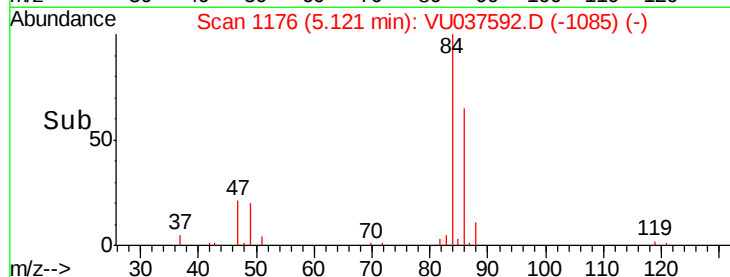
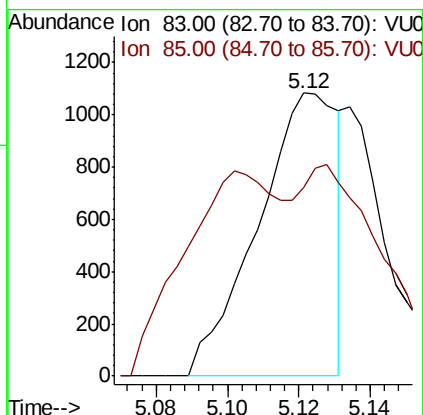
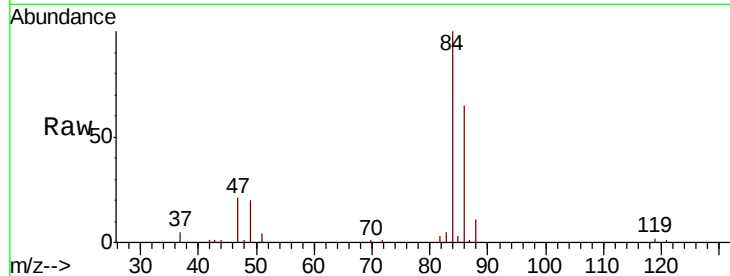




#25
Chloroform
Concen: 0.858 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037592.D
Acq: 06 Apr 2020 15:54

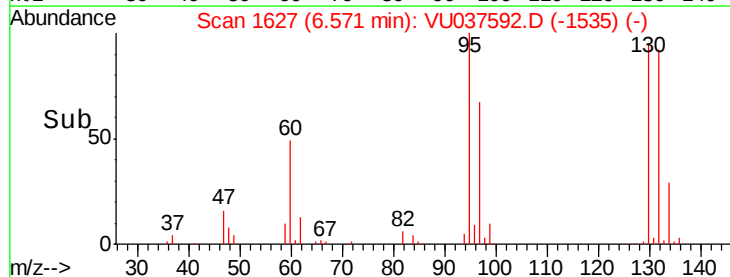
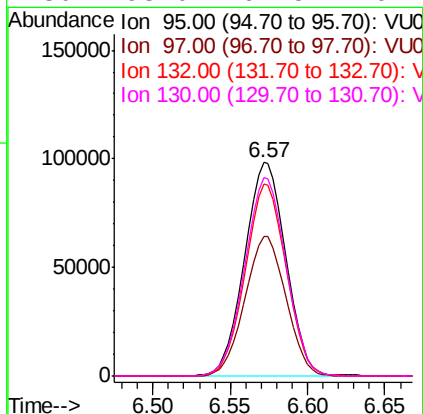
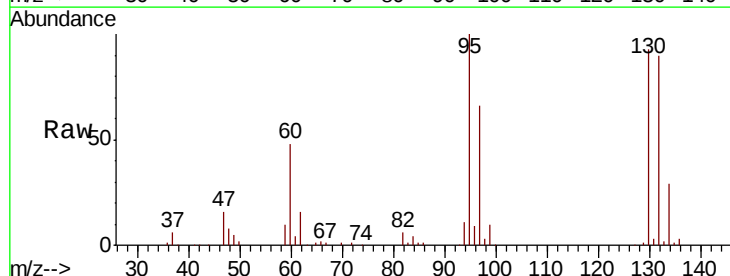
Instrument :
MSVOA_U
ClientSampleId :
C0EZ1

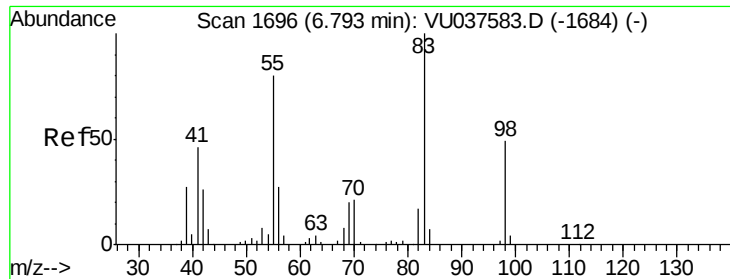
Tot Ion: 83 Resp: 1676
Ion Ratio Lower Upper
83 100
85 66.5 43.7 81.1



#34
Trichloroethene
Concen: 170.927 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU037592.D
Acq: 06 Apr 2020 15:54

Tgt Ion: 95 Resp: 182970
Ion Ratio Lower Upper
95 100
97 65.5 45.2 84.0
132 89.9 63.7 118.3
130 93.0 64.5 119.7

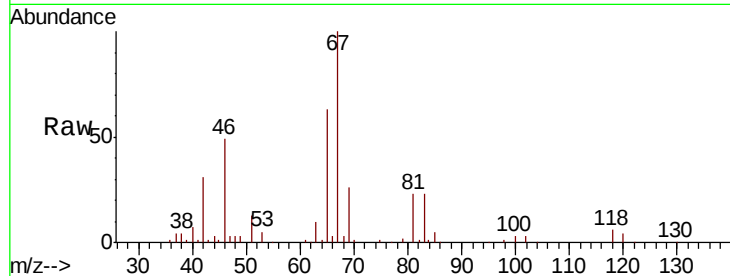




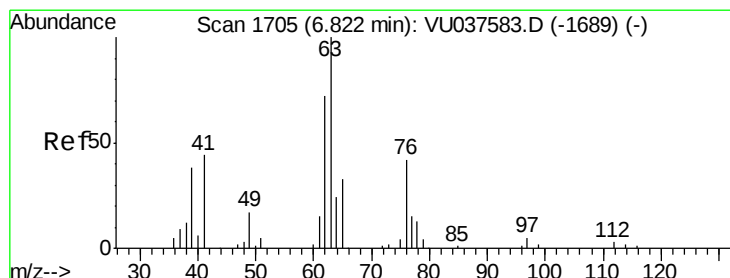
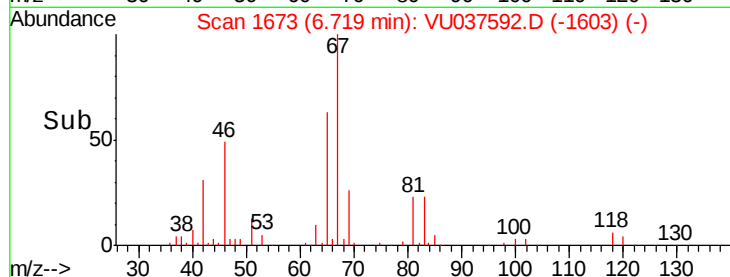
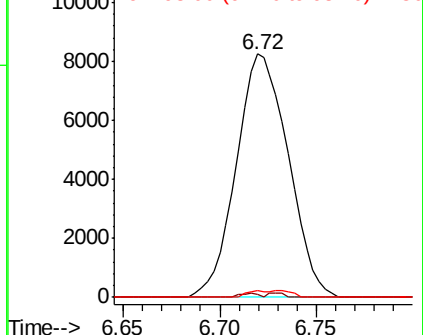
#35
Methvlcvclohexane
Concen: 9.301 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU037592.D
Acq: 06 Apr 2020 15:54

Instrument :
MSVOA_U
ClientSampled :
C0EZ1

Tot Ion: 83 Resp: 15384
Ion Ratio Lower Upper
83 100
55 0.6 61.1 91.7#
98 1.0 35.3 52.9#

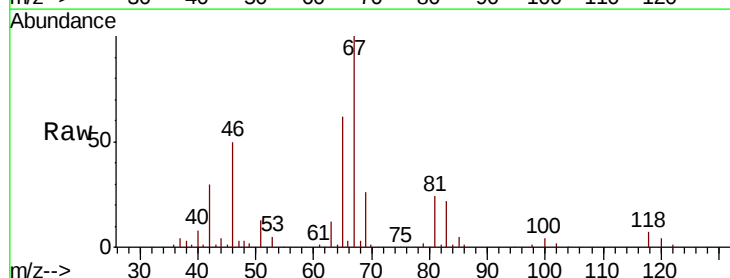


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

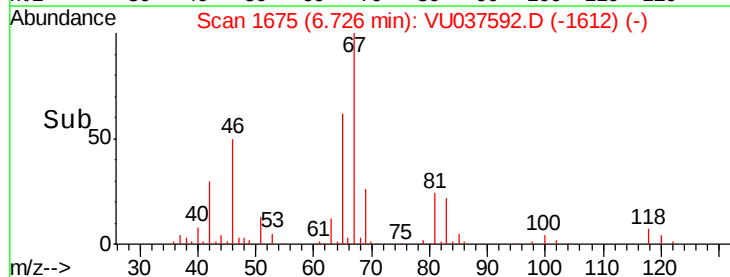
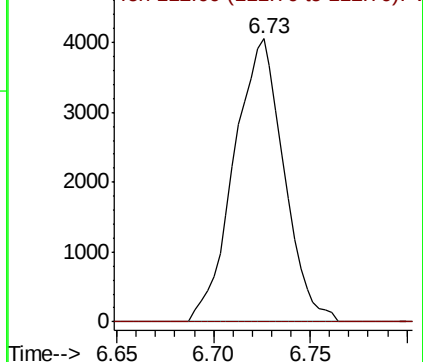


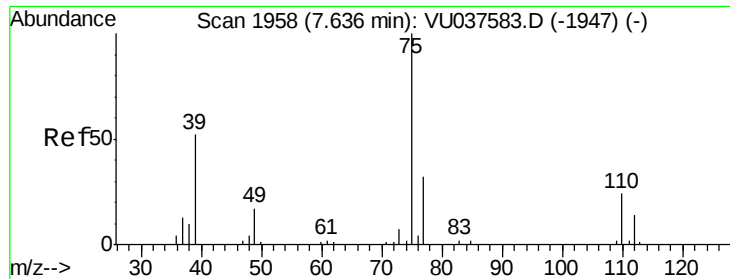
#37
1,2-Dichloropropane
Concen: 6.259 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037592.D
Acq: 06 Apr 2020 15:54

Tgt Ion: 63 Resp: 7301
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.355 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.05 min

Lab File: VU037592.D

Acq: 06 Apr 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

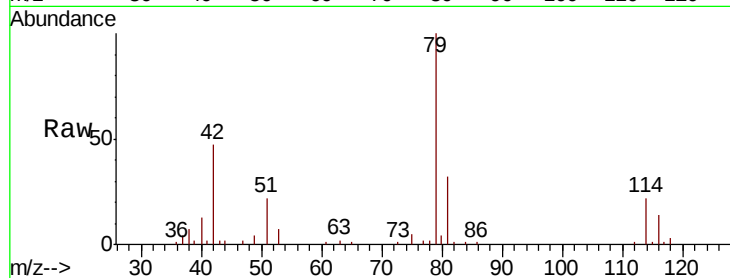
C0EZ1

Tot Ion: 75 Resp: 2468

Ion Ratio Lower Upper

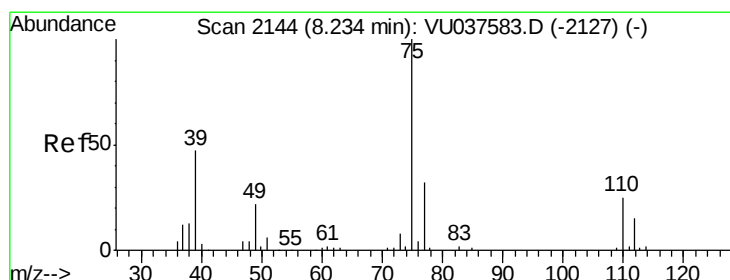
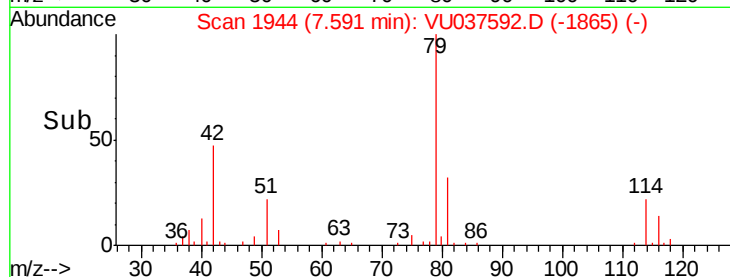
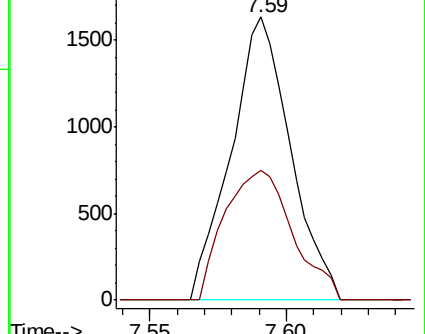
75 100

77 46.0 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU037583.D (-1947) (-)

Ion 77.00 (76.70 to 77.70): VU037583.D (-1947) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.988 ug/L

RT: 8.20 min Scan# 2134

Delta R.T. -0.03 min

Lab File: VU037592.D

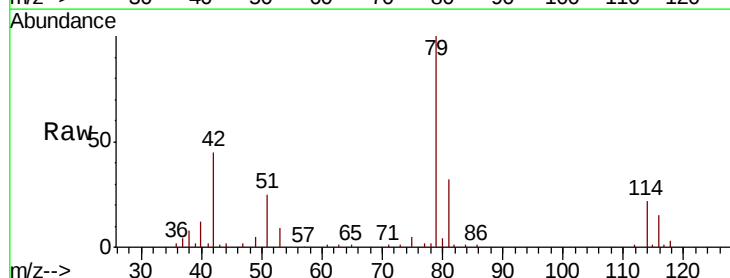
Acq: 06 Apr 2020 15:54

Tgt Ion: 75 Resp: 1772

Ion Ratio Lower Upper

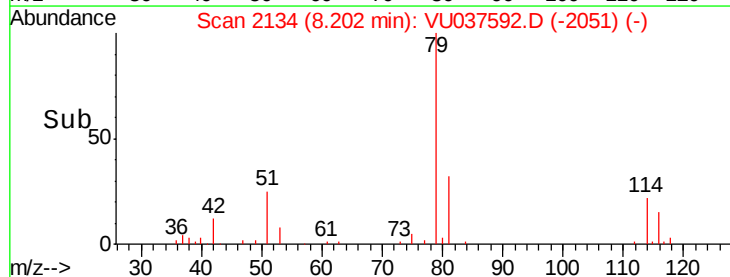
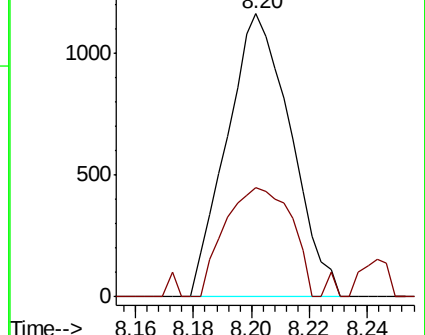
75 100

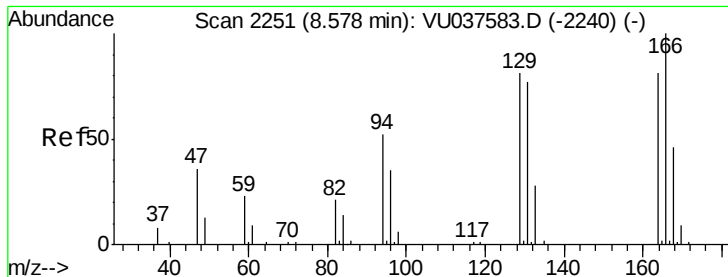
77 38.7 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037583.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037583.D (-2127) (-)

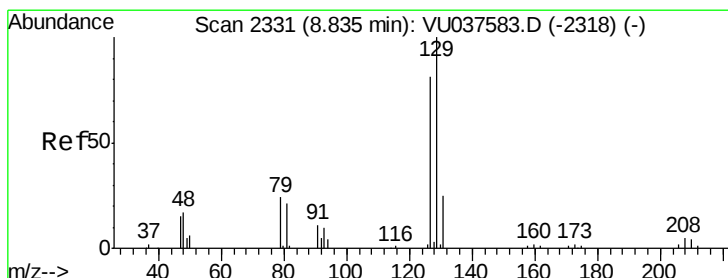
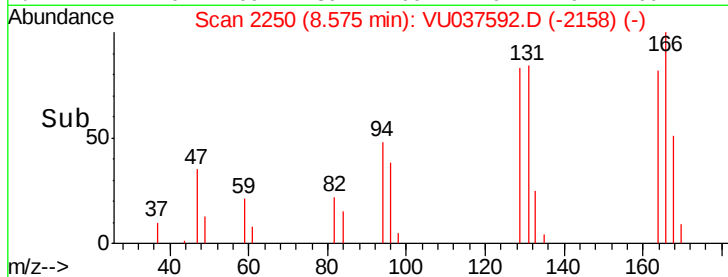
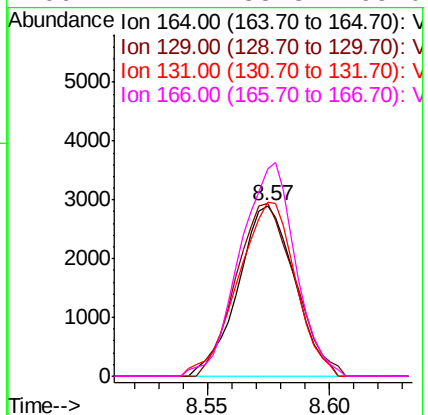
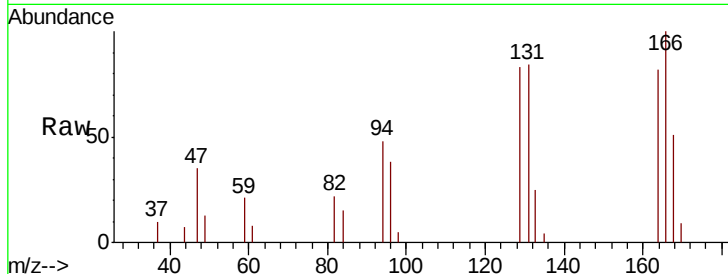




#46
Tetrachloroethene
Concen: 6.468 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037592.D
Acq: 06 Apr 2020 15:54

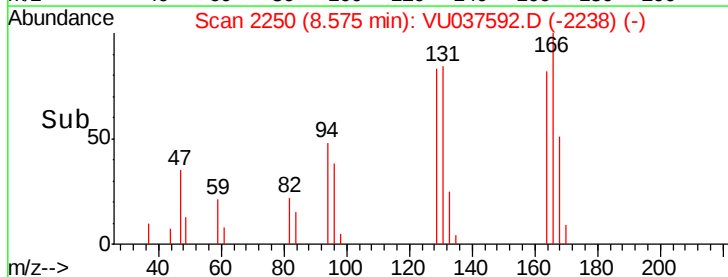
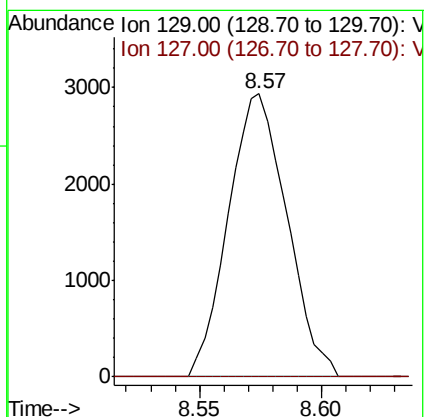
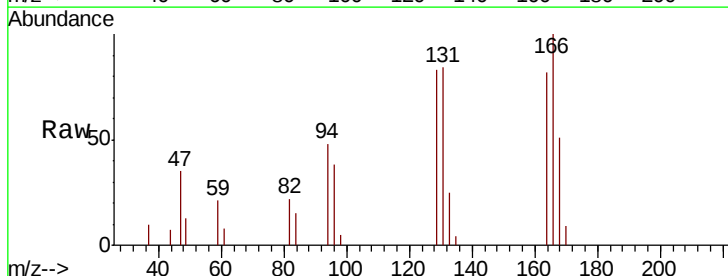
Instrument :
MSVOA_U
ClientSampleId :
C0EZ1

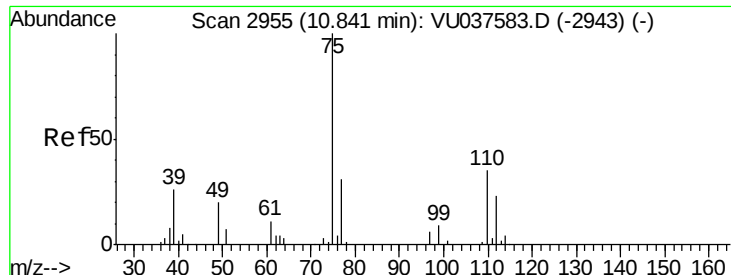
Tot Ion:164 Resp: 4649
Ion Ratio Lower Upper
164 100
129 101.0 76.5 142.1
131 102.1 71.7 133.1
166 121.2 88.8 165.0



#49
Dibromochloromethane
Concen: 4.123 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU037592.D
Acq: 06 Apr 2020 15:54

Tgt Ion:129 Resp: 4897
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#





#59

1,2,3-Trichloropropane

Concen: 7.008 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037592.D

Acq: 06 Apr 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

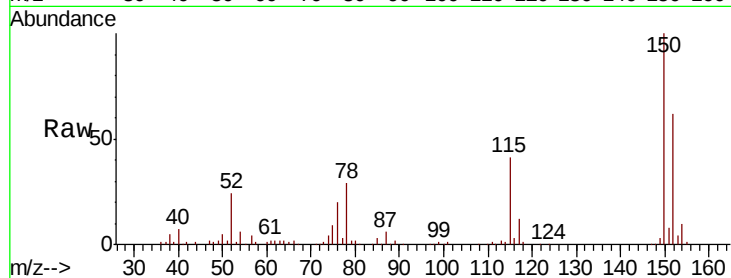
C0EZ1

Tot Ion: 75 Resp: 10509

Ion Ratio Lower Upper

75 100

77 37.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

