

Data File : VU032107.D
Acq On : 17 May 2019 17:47
Operator : JC/SP
Sample : K2850-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W08DL

Quant Time: May 18 04:13:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 04:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	368140	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	383004	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154779	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	121649	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.68	69	101969	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	2.27	63	172872	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.21	46	277361	45.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.12%
24) Chloroform-d	4.64	84	232040	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.31	65	119197	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.33	84	472204	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	6.33	67	137338	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	7.56	98	394333	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	7.85	79	47626	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.31	63	242758	43.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	125867	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	149938	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

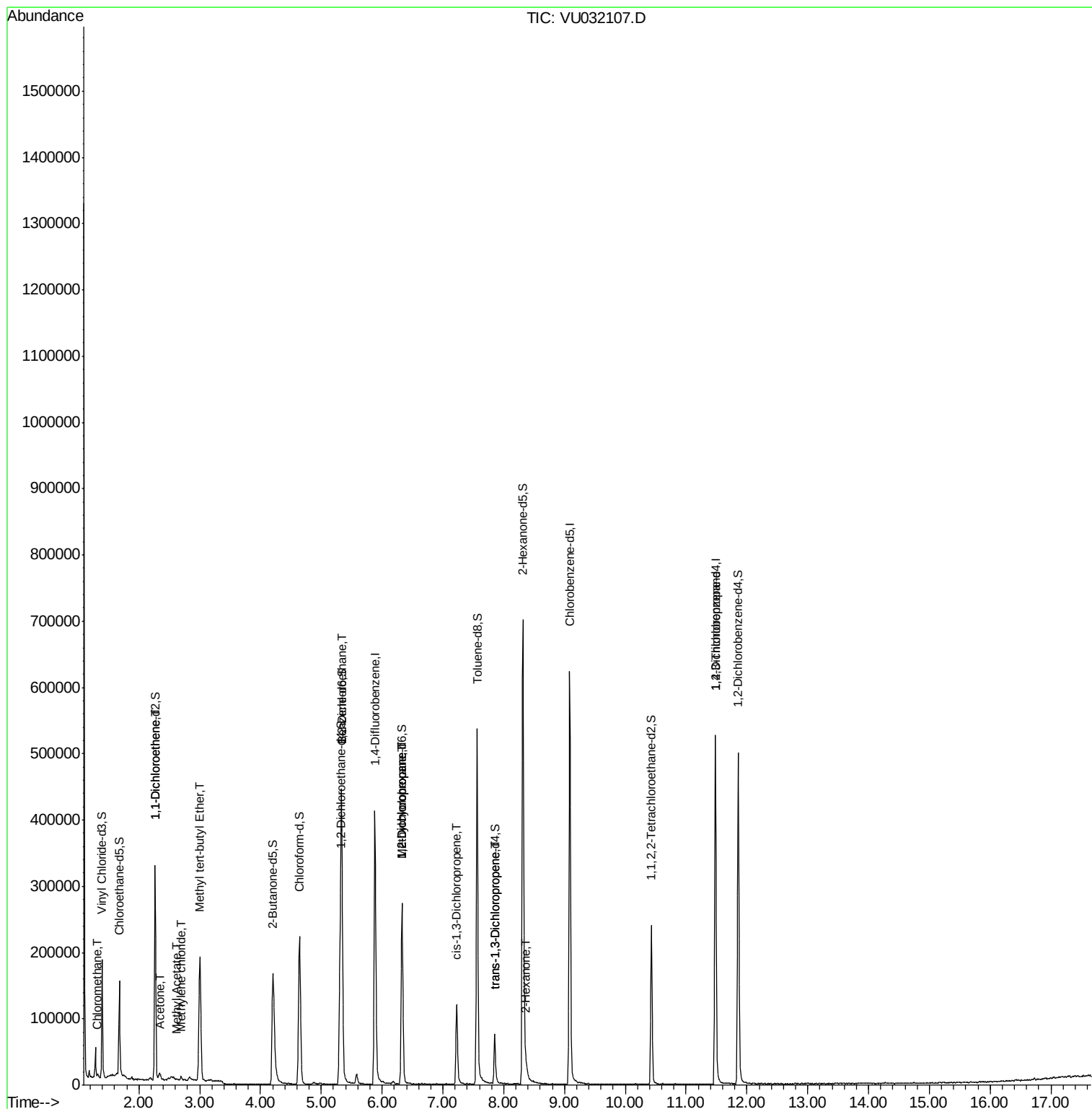
						Qvalue
3) Chloromethane	1.33	50	2531	0.143	ug/L	91
12) 1,1-Dichloroethene	2.26	96	1953	0.132	ug/L #	1
13) Acetone	2.34	43	6596	3.300	ug/L	100
15) Methyl Acetate	2.62	43	1112	0.194	ug/L #	42
16) Methylene chloride	2.70	84	2715	0.154	ug/L	95
17) Methyl tert-butyl Ether	3.00	73	218361	6.283	ug/L	96
27) 1,2-Dichloroethane	5.33	62	2506	0.162	ug/L	98
35) Methylcyclohexane	6.32	83	34012	1.481	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	15508	1.079	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3051	0.153	ug/L #	70
44) trans-1,3-Dichloropropene	7.85	75	1914	0.124	ug/L #	75
48) 2-Hexanone	8.37	43	7229	1.398	ug/L #	90
59) 1,2,3-Trichloropropane	11.48	75	15944	1.746	ug/L #	82

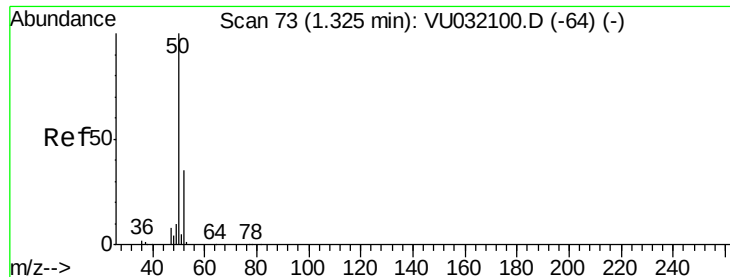
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.143 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

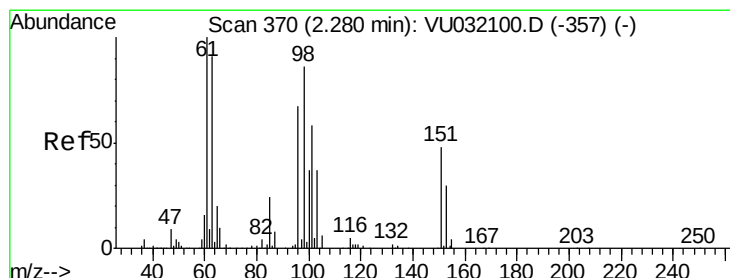
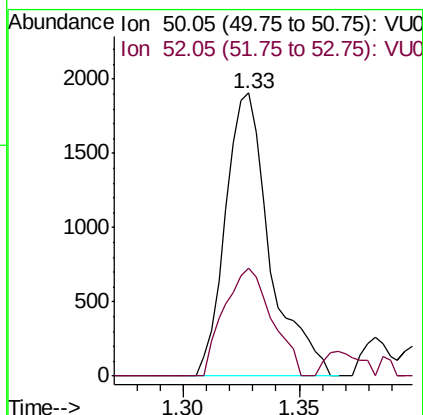
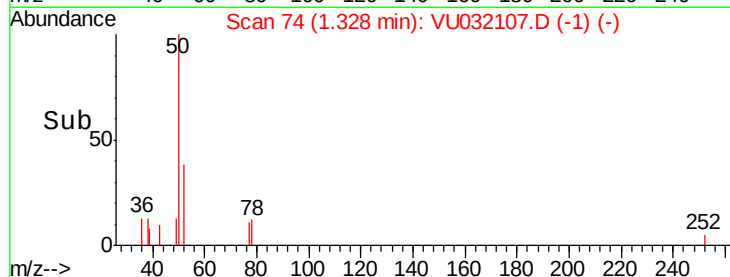
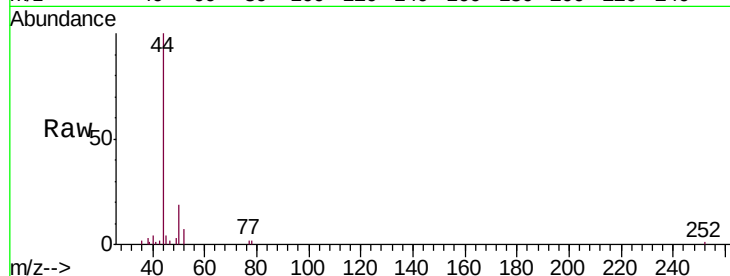
F9W08DL

Tgt Ion: 50 Resp: 2531

Ion Ratio Lower Upper

50 100

52 38.1 23.2 43.0



#12

1,1-Dichloroethene

Concen: 0.132 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

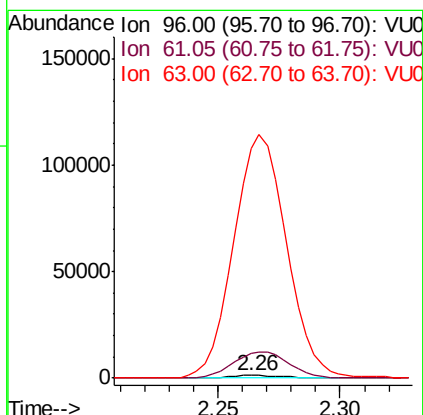
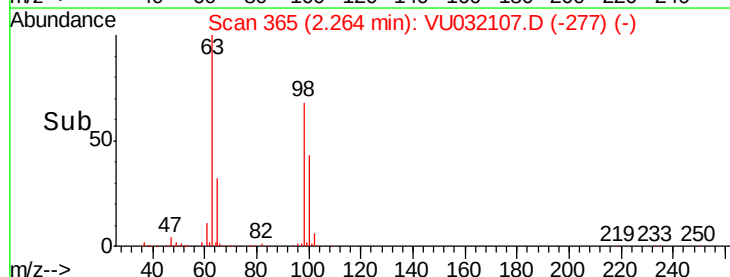
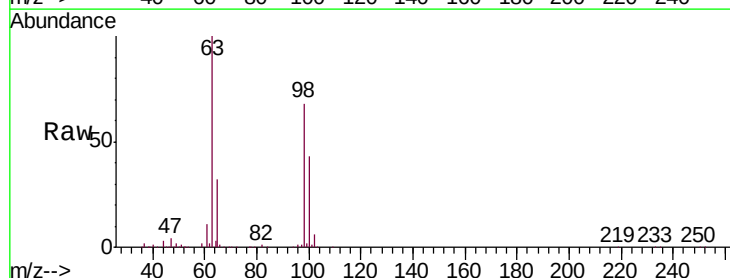
Tgt Ion: 96 Resp: 1953

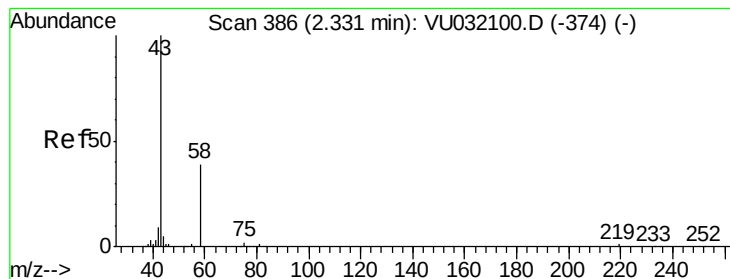
Ion Ratio Lower Upper

96 100

61 983.2 111.7 207.5#

63 9065.3 152.2 282.6#





#13

Acetone

Concen: 3.300 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

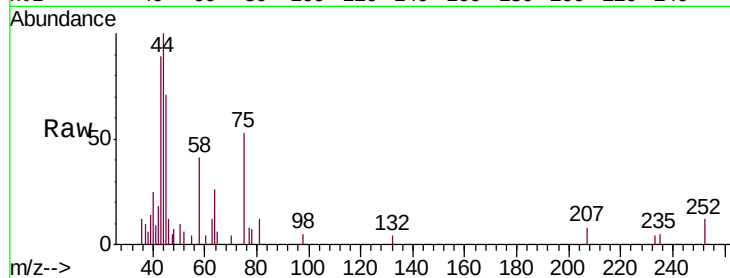
F9W08DL

Tgt Ion: 43 Resp: 6596

Ion Ratio Lower Upper

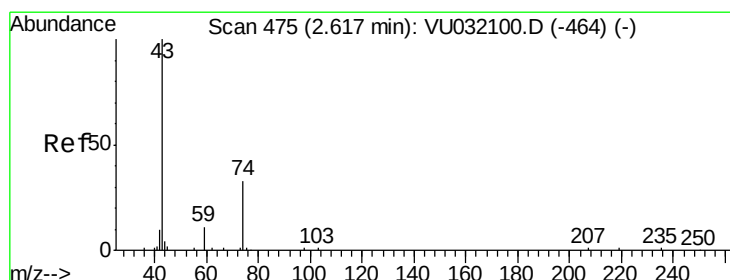
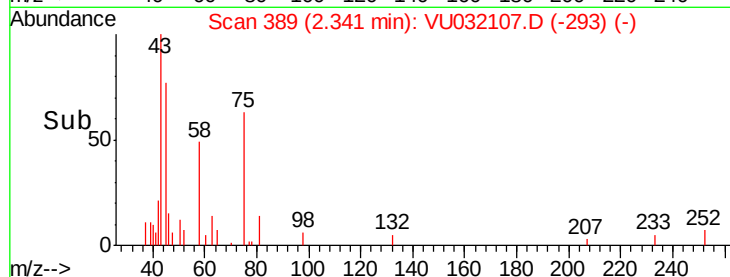
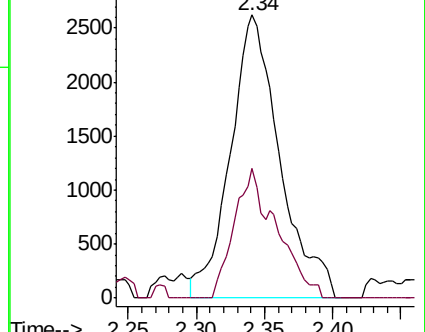
43 100

58 39.4 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032107.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032107.D (-374) (-)



#15

Methyl Acetate

Concen: 0.194 ug/L

RT: 2.62 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU032107.D

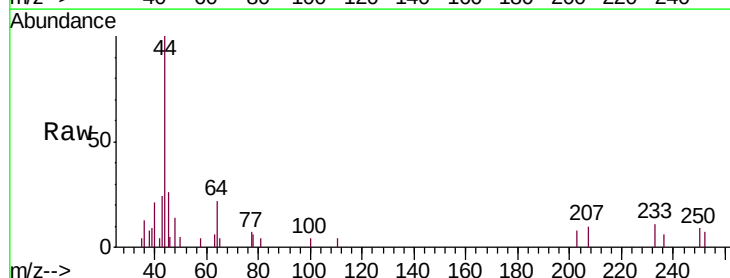
Acq: 17 May 2019 17:47

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

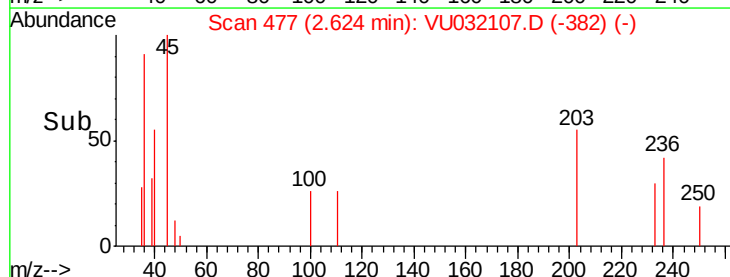
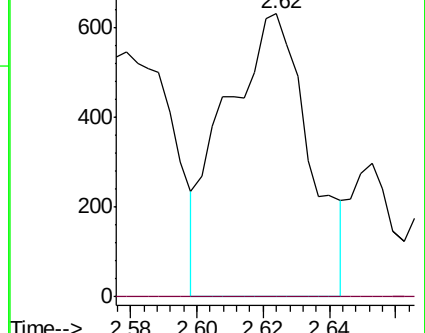
43 100

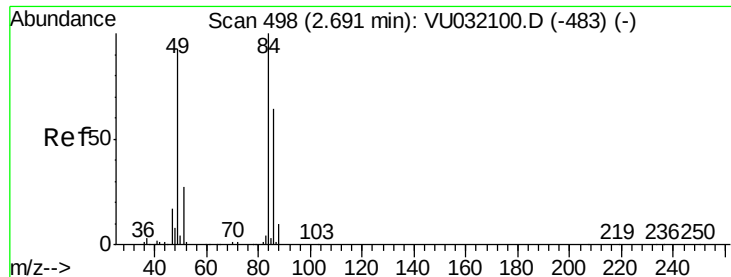
74 0.0 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032107.D (-464) (-)

Ion 74.05 (73.75 to 74.75): VU032107.D (-464) (-)

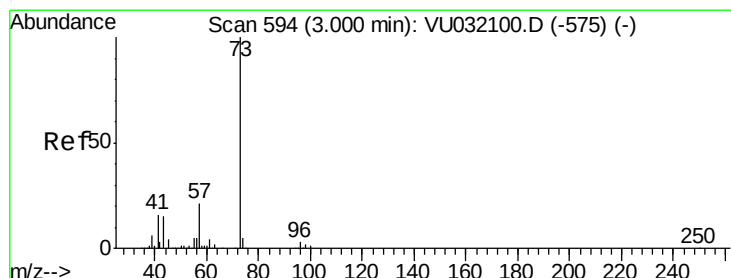
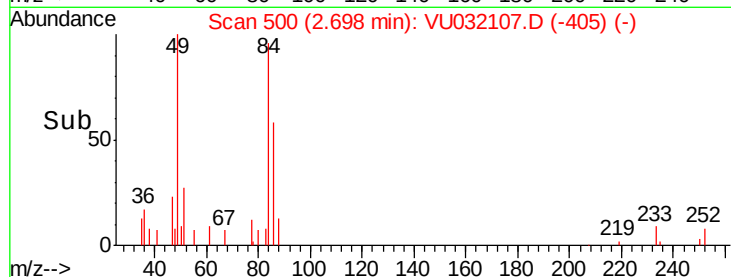
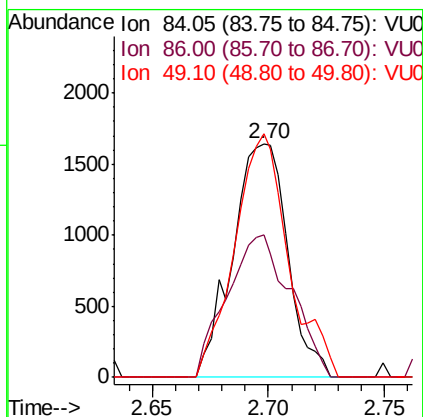
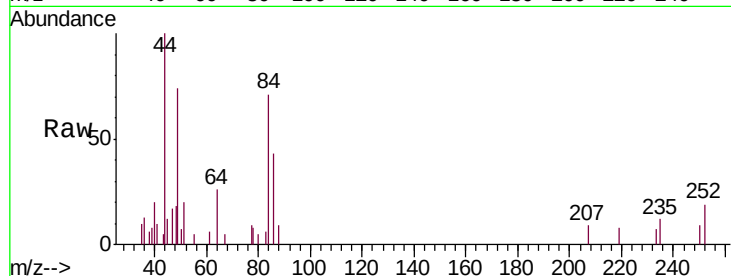




#16
Methylene chloride
Concen: 0.154 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU032107.D
Acq: 17 May 2019 17:47

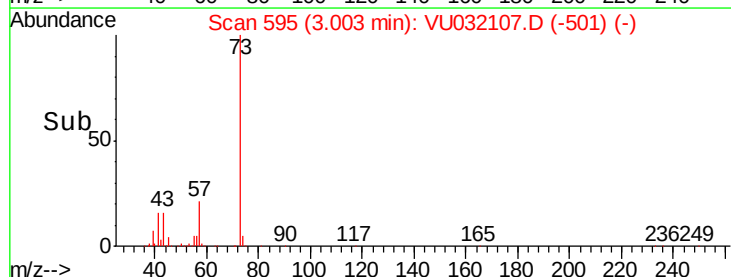
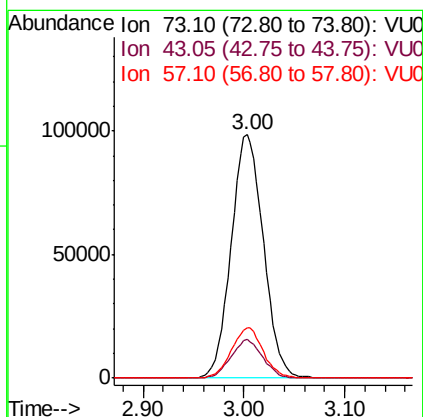
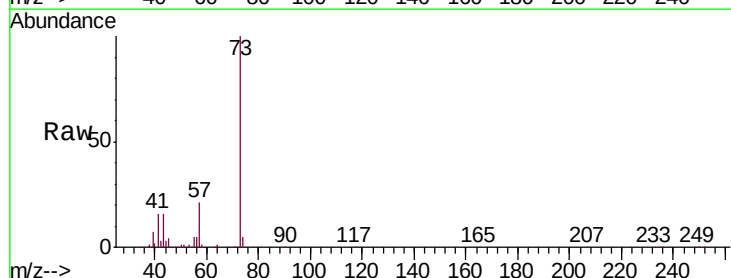
Instrument :
MSVOA_U
ClientSampleId :
F9W08DL

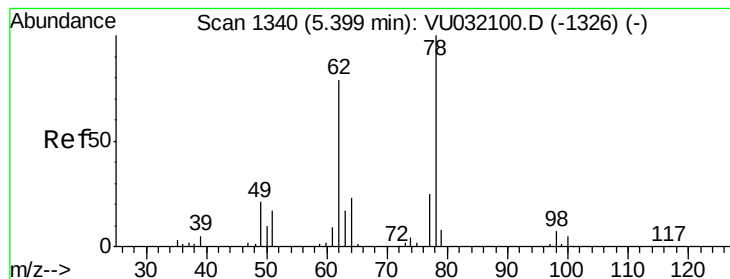
Tgt Ion: 84 Resp: 2715
Ion Ratio Lower Upper
84 100
86 60.7 43.1 80.1
49 104.1 67.7 125.7



#17
Methyl tert-butyl Ether
Concen: 6.283 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU032107.D
Acq: 17 May 2019 17:47

Tgt Ion: 73 Resp: 218361
Ion Ratio Lower Upper
73 100
43 14.9 13.0 19.6
57 20.2 17.9 26.9





#27

1,2-Dichloroethane

Concen: 0.162 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

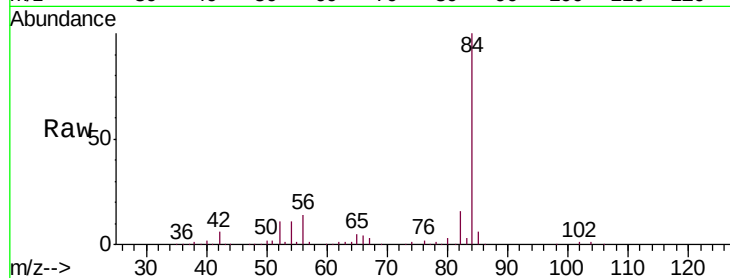
F9W08DL

Tgt Ion: 62 Resp: 2506

Ion Ratio Lower Upper

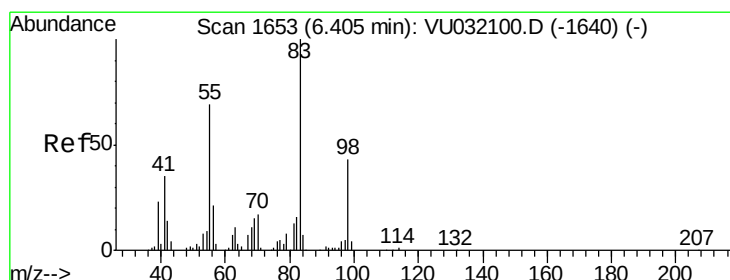
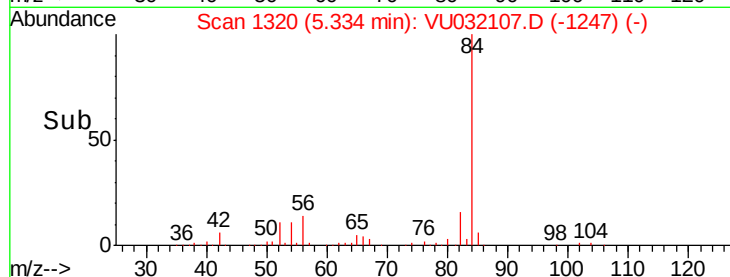
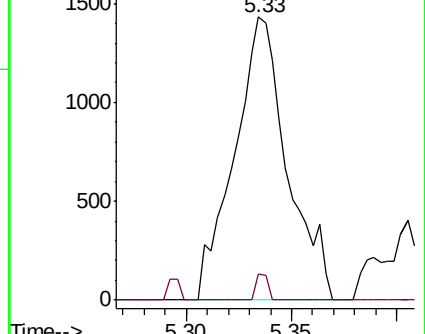
62 100

98 9.4 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 1.481 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

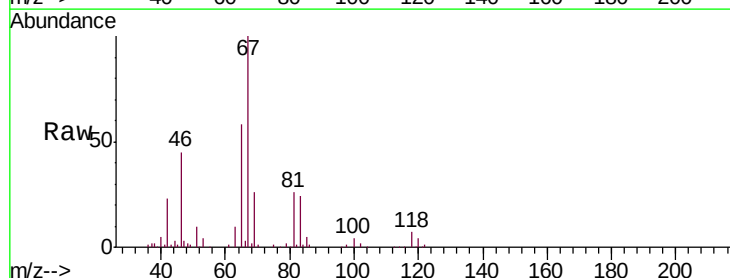
Tgt Ion: 83 Resp: 34012

Ion Ratio Lower Upper

83 100

55 0.3 59.7 89.5#

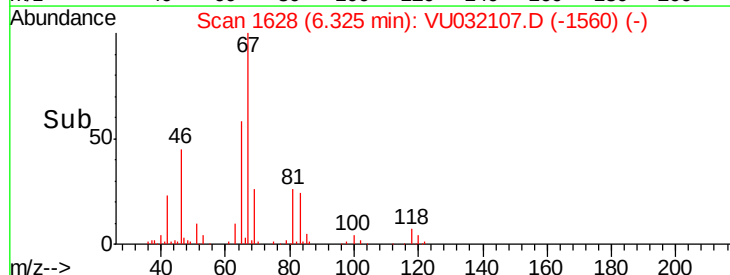
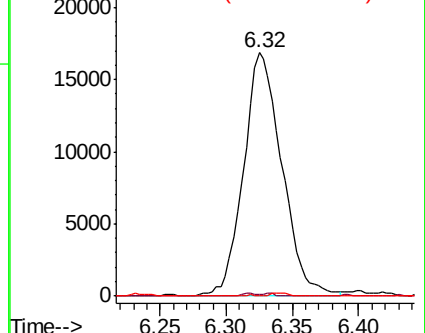
98 0.6 36.8 55.2#

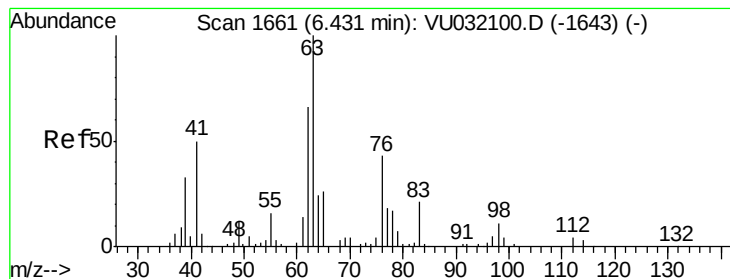


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.079 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

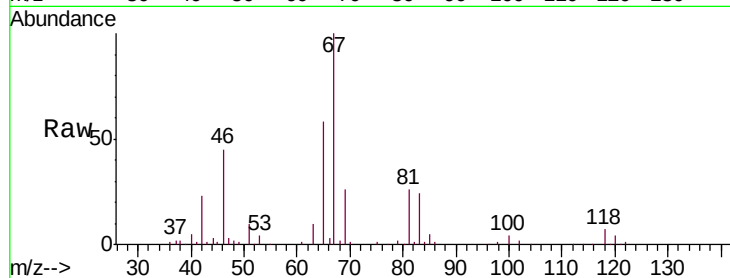
F9W08DL

Tgt Ion: 63 Resp: 15508

Ion Ratio Lower Upper

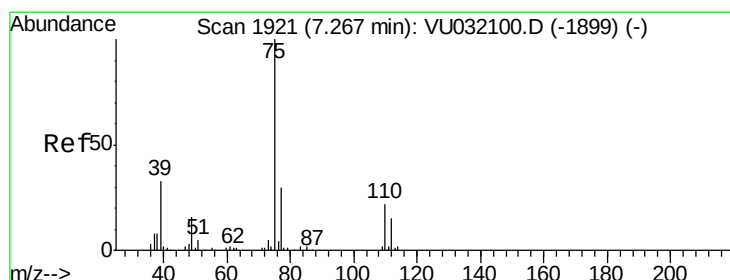
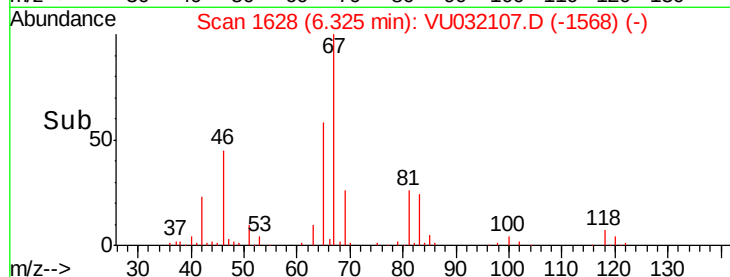
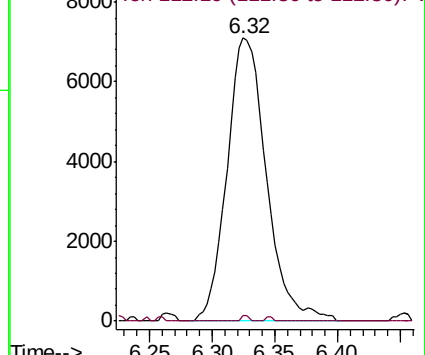
63 100

112 0.3 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.153 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032107.D

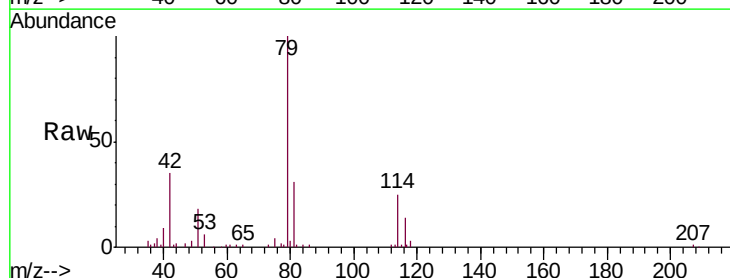
Acq: 17 May 2019 17:47

Tgt Ion: 75 Resp: 3051

Ion Ratio Lower Upper

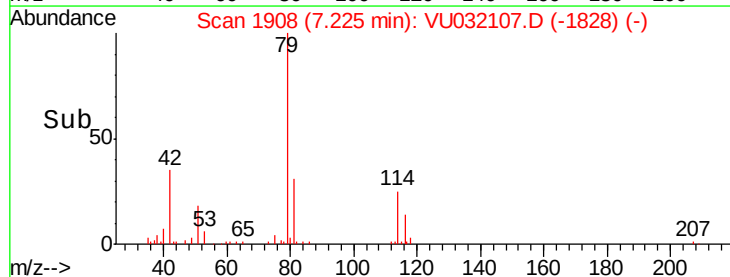
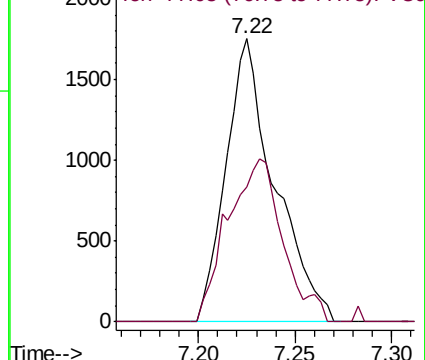
75 100

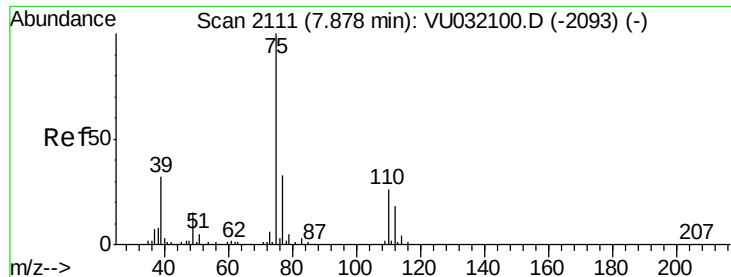
77 47.7 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

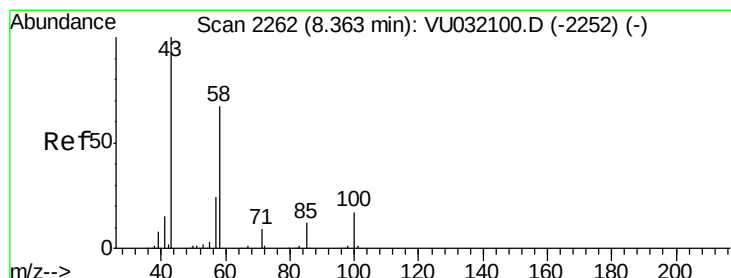
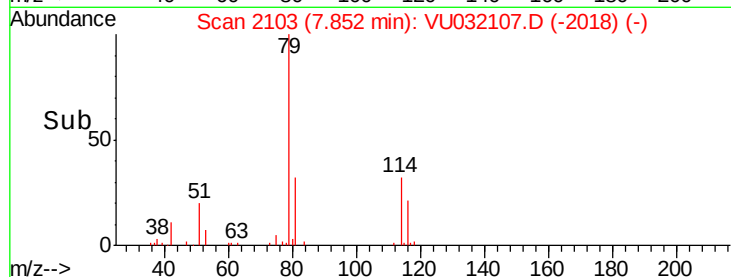
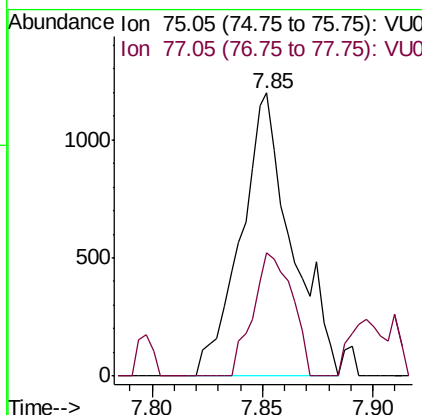
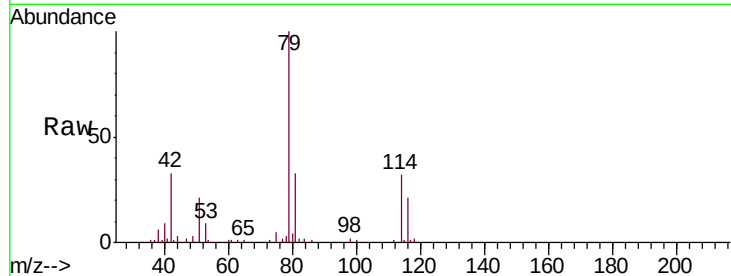




#44
trans-1,3-Dichloropropene
Concen: 0.124 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU032107.D
Acq: 17 May 2019 17:47

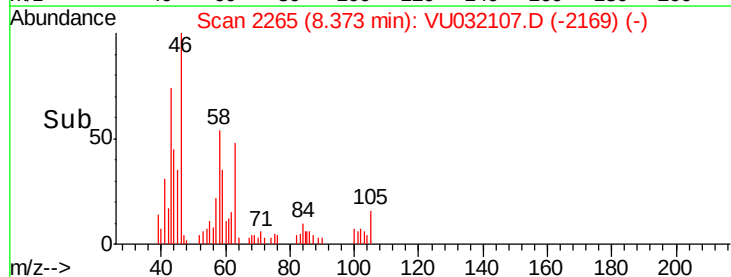
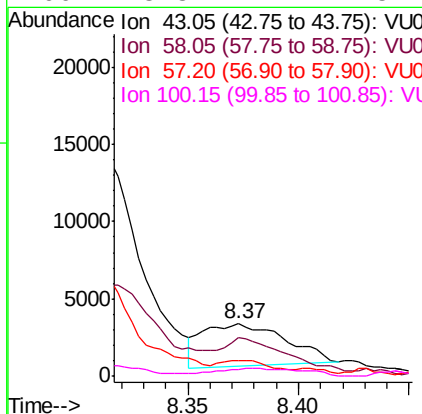
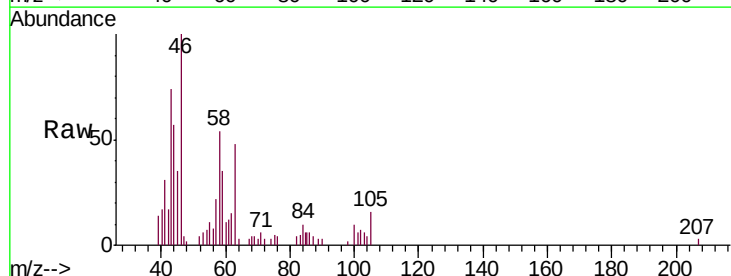
Instrument :
MSVOA_U
ClientSampled :
F9W08DL

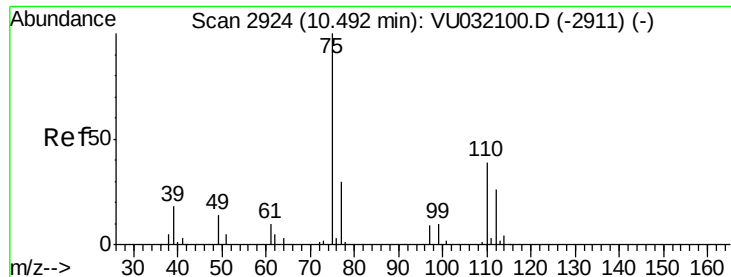
Tgt Ion: 75 Resp: 1914
Ion Ratio Lower Upper
75 100
77 43.6 21.0 39.0#



#48
2-Hexanone
Concen: 1.398 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032107.D
Acq: 17 May 2019 17:47

Tgt Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 70.0 51.6 77.4
57 12.5 18.4 27.6#
100 18.8 12.2 18.4#





#59

1,2,3-Trichloropropane

Concen: 1.746 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032107.D

Acq: 17 May 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

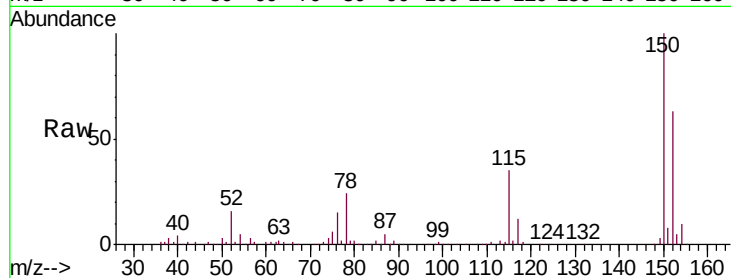
F9W08DL

Tgt Ion: 75 Resp: 15944

Ion Ratio Lower Upper

75 100

77 42.6 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

