

Data File : VU033565.D
Acq On : 02 Aug 2019 13:23
Operator : JC/SP
Sample : K4103-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9G2

Quant Time: Aug 03 00:42:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 03 00:39:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	298273	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	297722	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	130451	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	135223	62.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	124.70%
7) Chloroethane-d5	1.67	69	113372	60.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	121.86%
11) 1,1-Dichloroethene-d2	2.26	63	182736	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
21) 2-Butanone-d5	4.15	46	191574	133.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	133.38%#
24) Chloroform-d	4.62	84	206830	56.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.80%
26) 1,2-Dichloroethane-d4	5.29	65	135601	58.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.80%
32) Benzene-d6	5.32	84	435890	59.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.12%
36) 1,2-Dichloropropane-d6	6.31	67	136775	59.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	118.24%
41) Toluene-d8	7.55	98	392851	56.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.60%
43) trans-1,3-Dichloropropene-	7.83	79	62868	54.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.56%
47) 2-Hexanone-d5	8.29	63	130967	119.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.23%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	203651	57.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	148572	62.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	124.38%#

Target Compounds

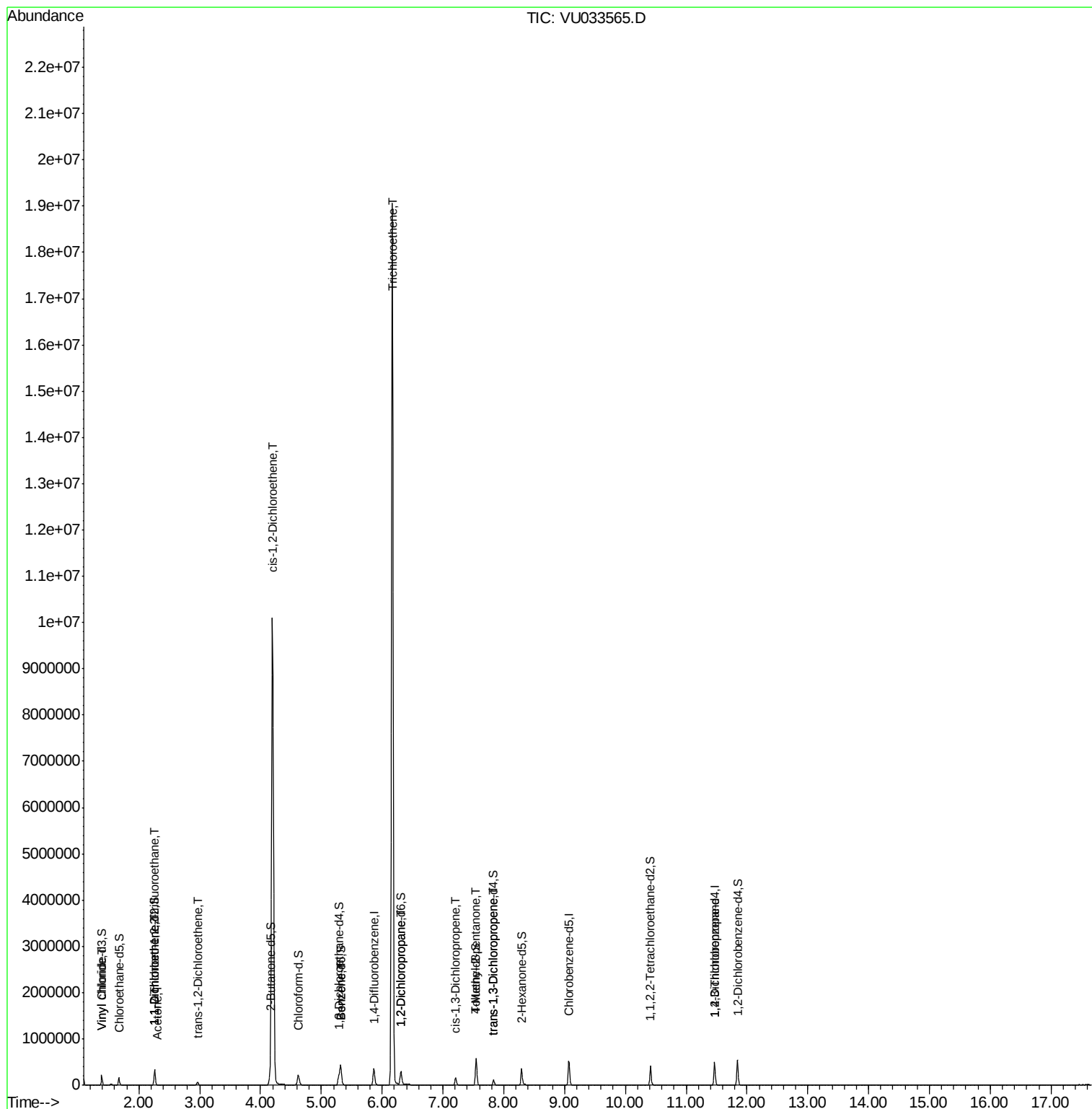
						Qvalue
5) Vinyl chloride	1.40	62	11937	3.930	ug/L #	72
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1465	0.727	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	12308	6.372	ug/L #	1
13) Acetone	2.31	43	973	0.662	ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	25497	12.599	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	5513363	2427.242	ug/L	99
33) Benzene	5.32	78	3471	0.404	ug/L	100
34) Trichloroethene	6.17	95	6348827	2802.273	ug/L	97
37) 1,2-Dichloropropane	6.31	63	14564	6.335	ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	4100	1.143	ug/L #	83
40) 4-Methyl-2-pentanone	7.55	43	1597	0.503	ug/L #	1
44) trans-1,3-Dichloropropene	7.83	75	2718	0.838	ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	15408	5.078	ug/L	91

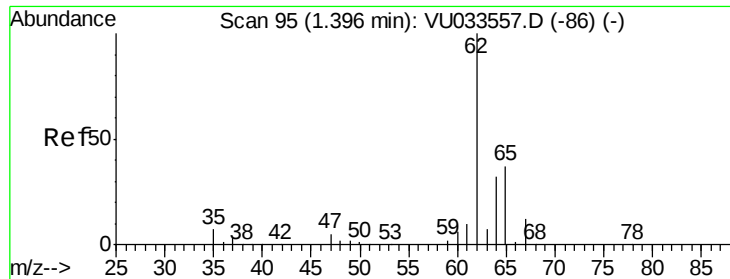
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.930 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033565.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_U

ClientSampleId :

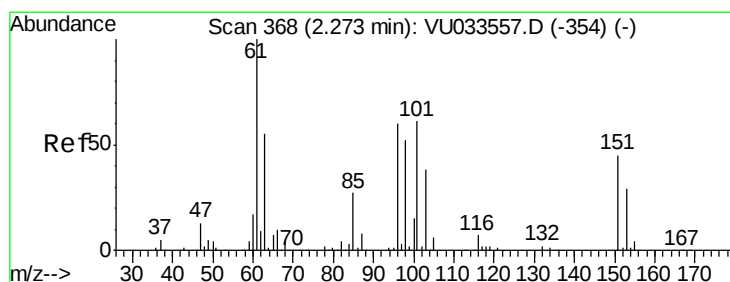
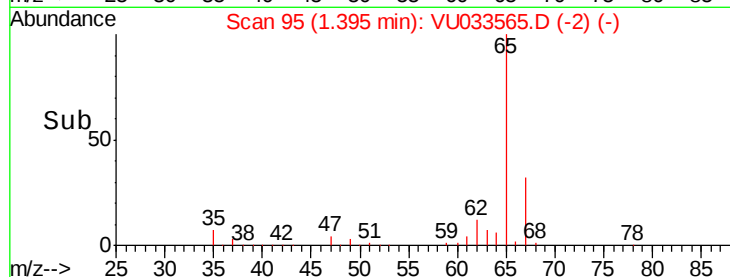
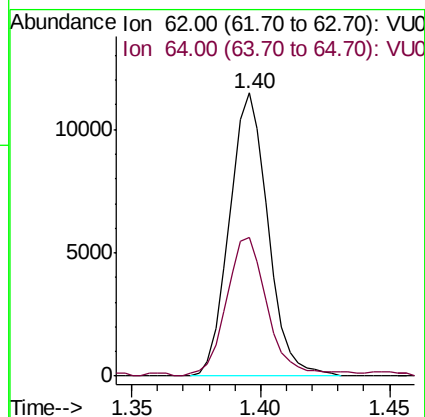
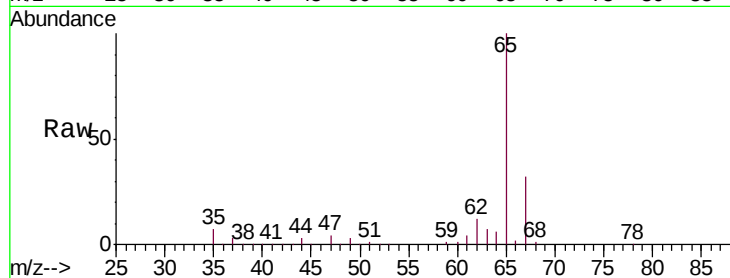
DB9G2

Tgt Ion: 62 Resp: 11937

Ion Ratio Lower Upper

62 100

64 49.0 23.4 43.4#



#10

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

Concen: 0.727 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033565.D

Acq: 02 Aug 2019 13:23

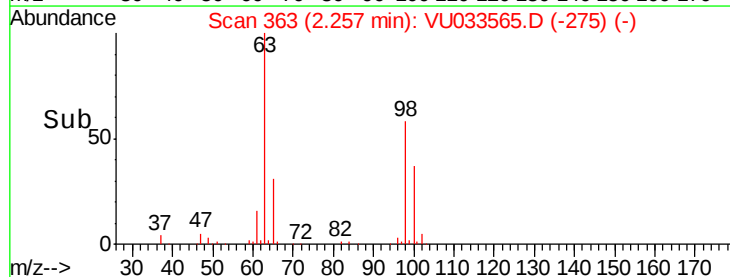
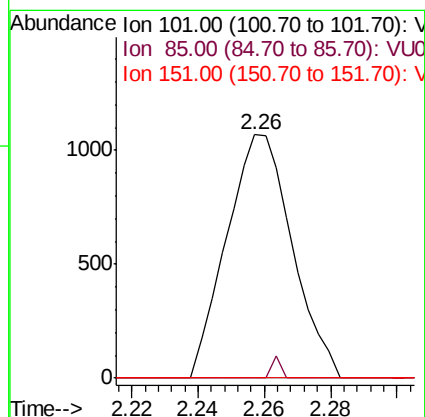
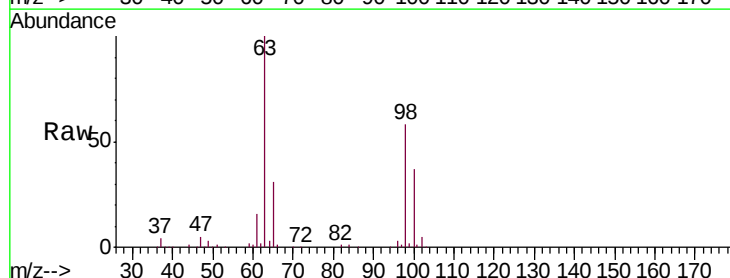
Tgt Ion: 101 Resp: 1465

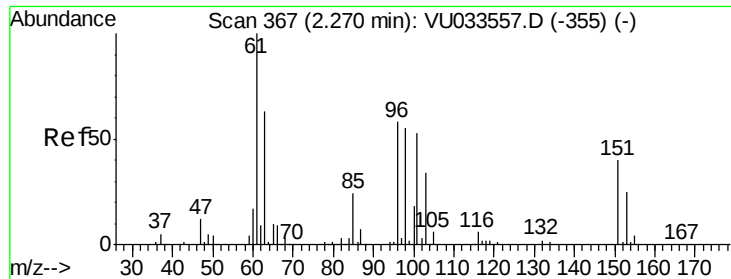
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 60.1 90.1#

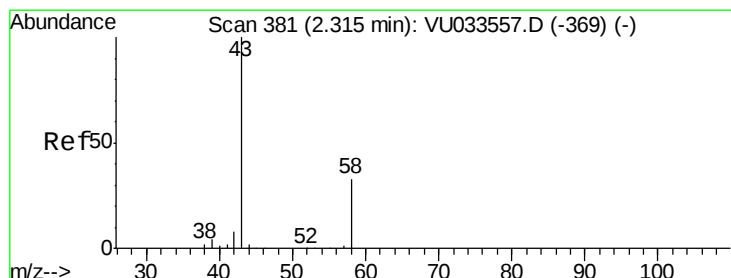
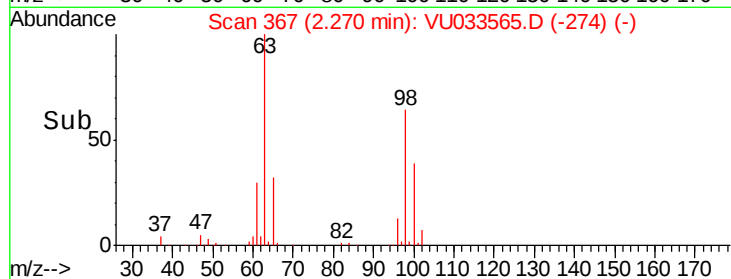
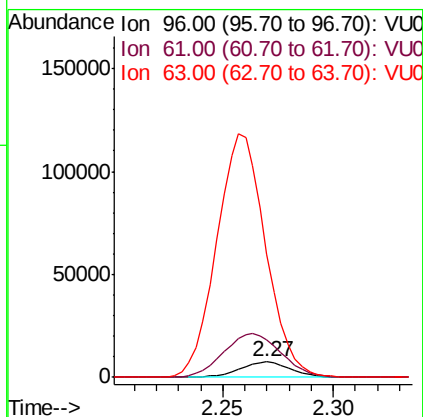
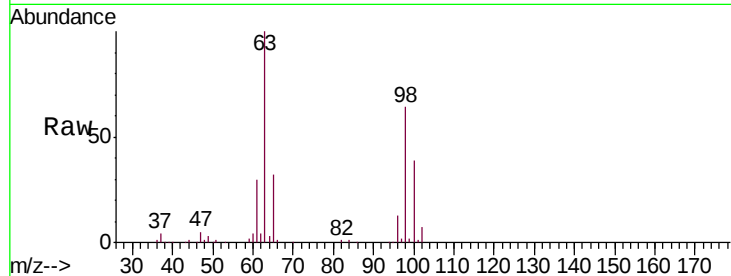




#12
 1,1-Dichloroethene
 Concen: 6.372 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU033565.D
 Acq: 02 Aug 2019 13:23

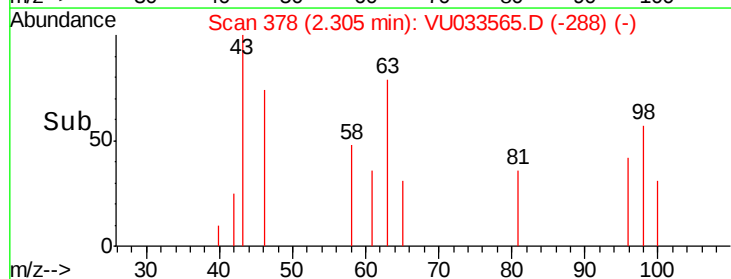
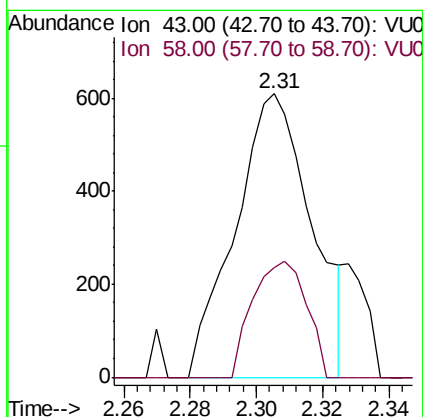
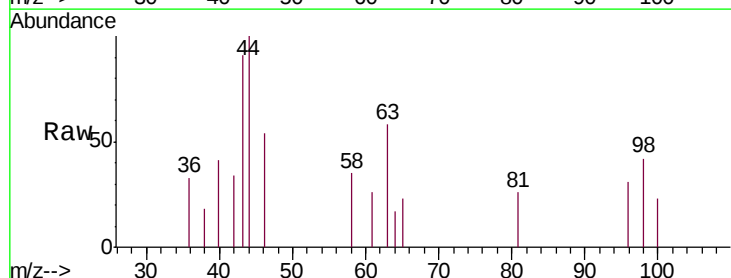
Instrument :
 MSVOA_U
 ClientSampleId :
 DB9G2

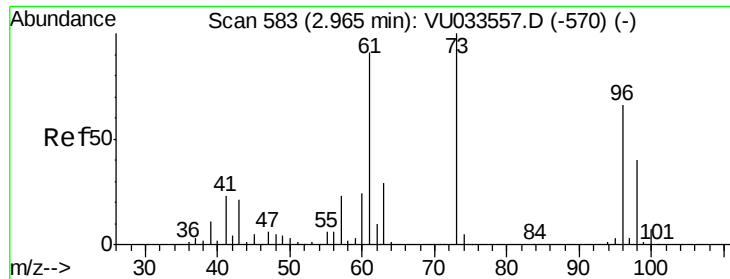
Tgt Ion	Resp	Lower	Upper
96	12308		
61	239.4	119.3	221.5#
63	791.5	86.6	160.8#



#13
 Acetone
 Concen: 0.662 ug/L
 RT: 2.31 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VU033565.D
 Acq: 02 Aug 2019 13:23

Tgt Ion	Resp	Lower	Upper
43	973		
58	29.1	0.0	66.2

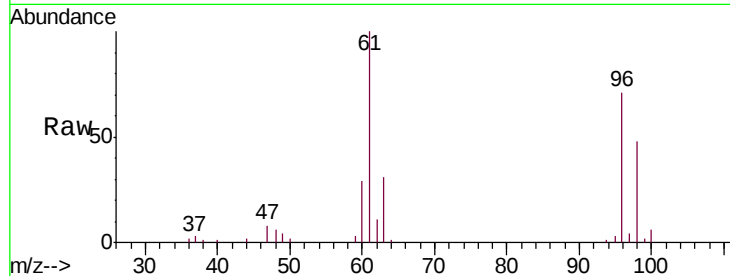




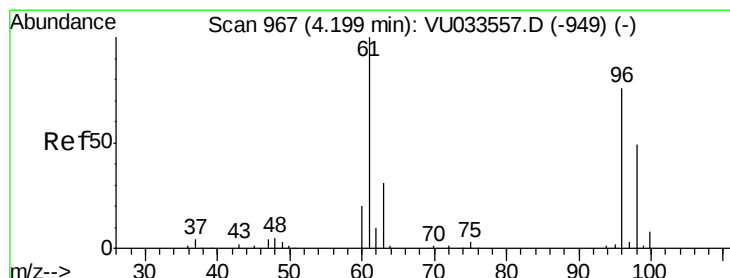
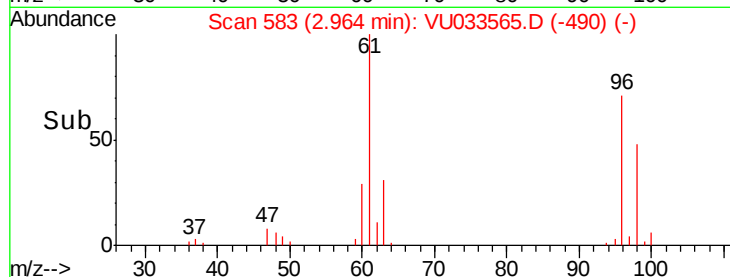
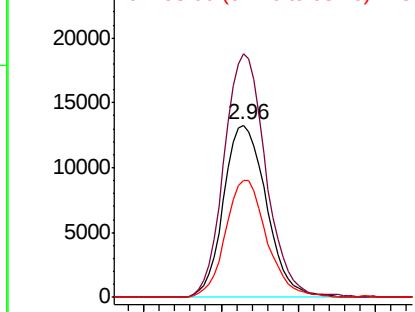
#17
trans-1,2-Dichloroethene
Concen: 12.599 ug/L
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU033565.D
Acq: 02 Aug 2019 13:23

Instrument :
MSVOA_U
ClientSampleId :
DB9G2

Tgt Ion: 96 Resp: 25497
Ion Ratio Lower Upper
96 100
61 141.6 98.3 182.5
98 68.2 44.3 82.3

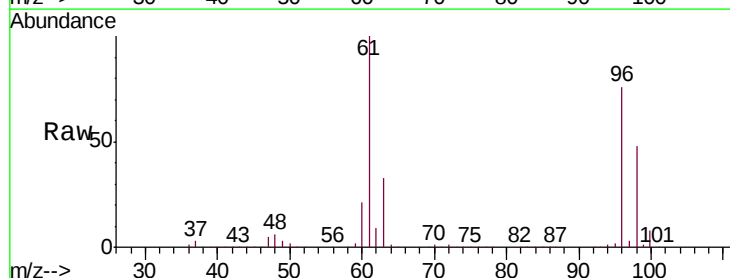


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

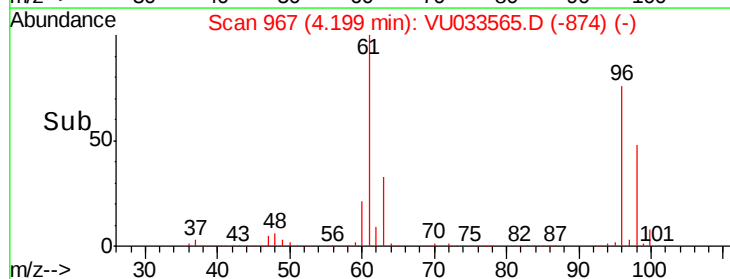
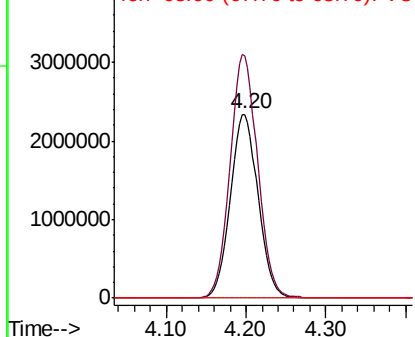


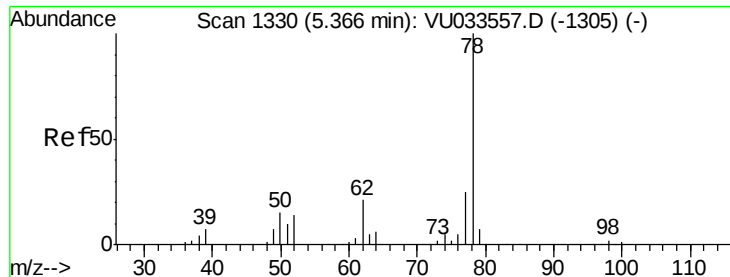
#20
cis-1,2-Dichloroethene
Concen: 2427.242 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033565.D
Acq: 02 Aug 2019 13:23

Tgt Ion: 96 Resp: 5513363
Ion Ratio Lower Upper
96 100
61 131.8 91.3 169.6
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 0.404 ug/L

RT: 5.32 min Scan# 1315

Delta R.T. -0.05 min

Lab File: VU033565.D

Acq: 02 Aug 2019 13:23

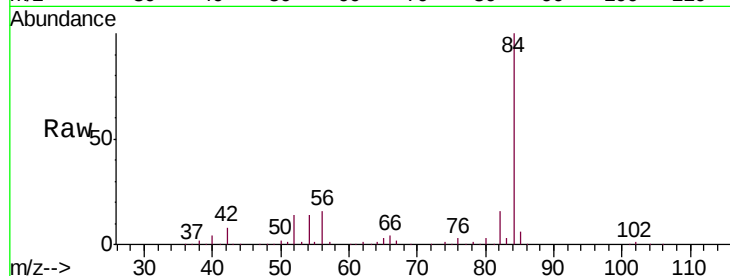
Instrument :

MSVOA_U

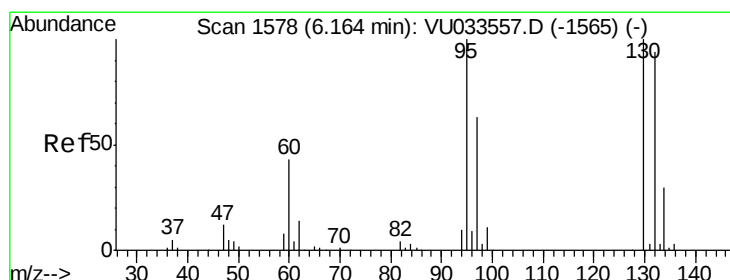
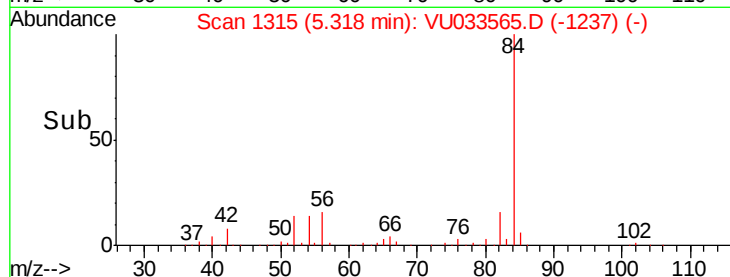
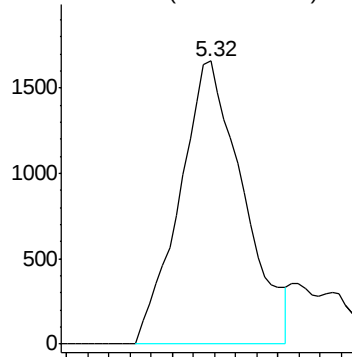
ClientSampleId :

DB9G2

Tgt Ion: 78 Resp: 3471



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2802.273 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033565.D

Acq: 02 Aug 2019 13:23

Tgt Ion: 95 Resp: 6348827

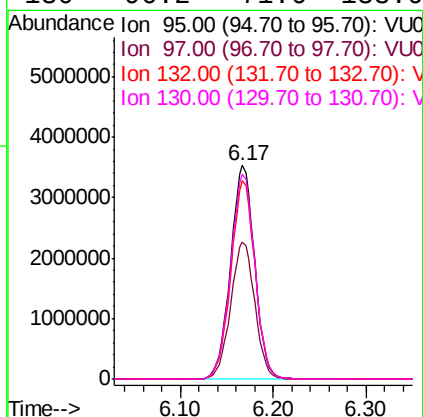
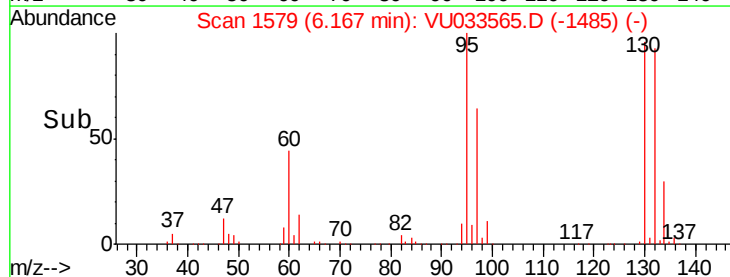
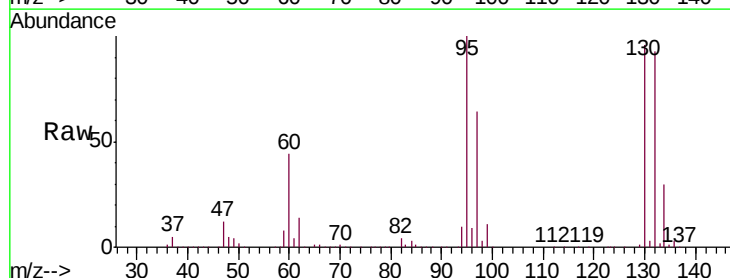
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	83.1
132	92.6	66.8	124.0
130	96.2	71.6	133.0

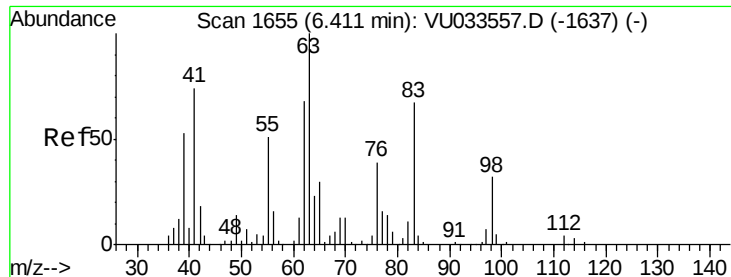
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#37

1,2-Dichloropropane

Concen: 6.335 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033565.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_U

ClientSampleId :

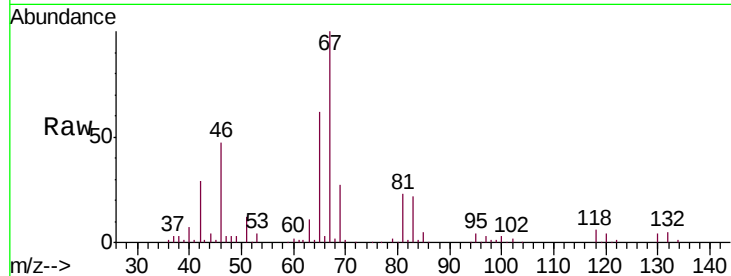
DB9G2

Tgt Ion: 63 Resp: 14564

Ion Ratio Lower Upper

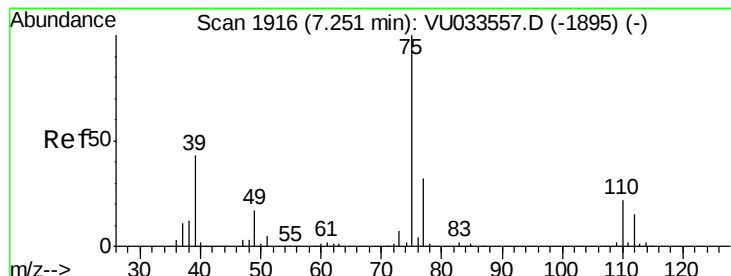
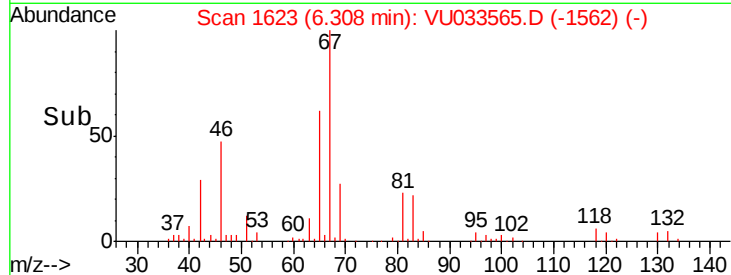
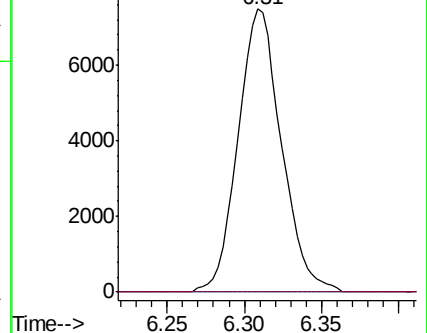
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033557.D (-1637) (-)

Ion 112.00 (111.70 to 112.70): VU033557.D (-1637) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.143 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033565.D

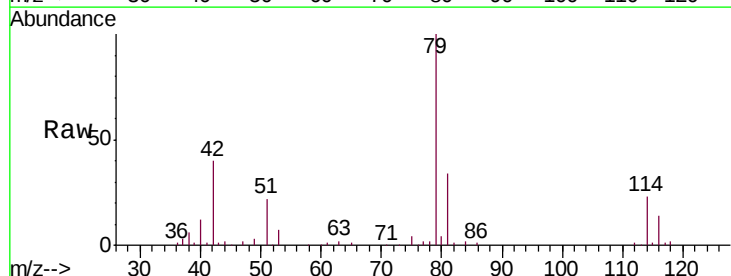
Acq: 02 Aug 2019 13:23

Tgt Ion: 75 Resp: 4100

Ion Ratio Lower Upper

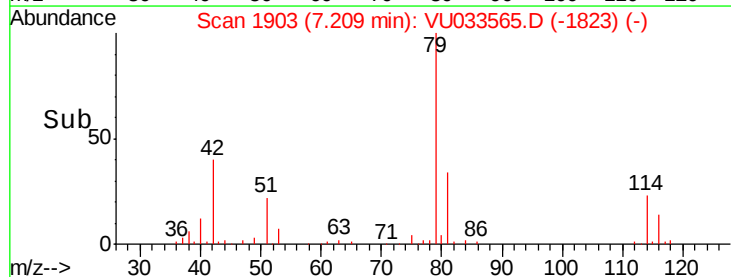
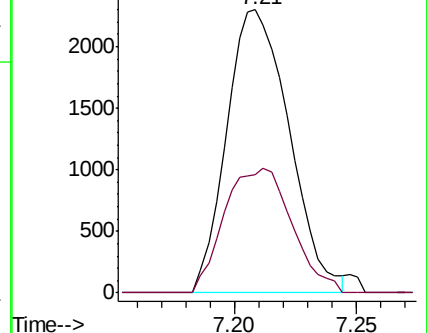
75 100

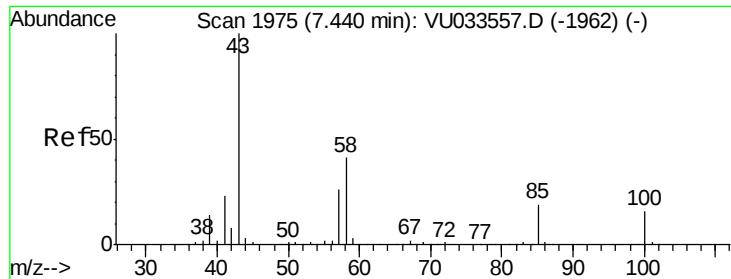
77 41.6 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU033557.D (-1895) (-)

Ion 77.00 (76.70 to 77.70): VU033557.D (-1895) (-)

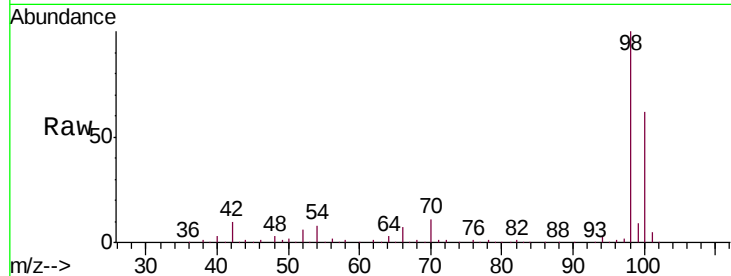




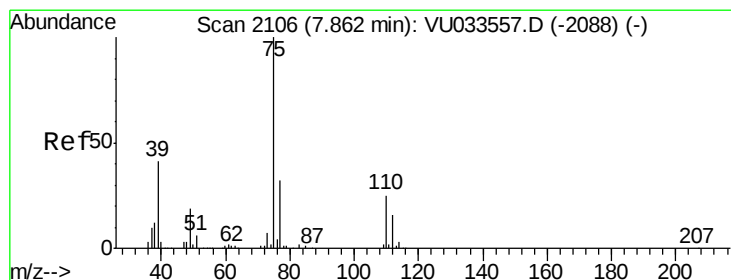
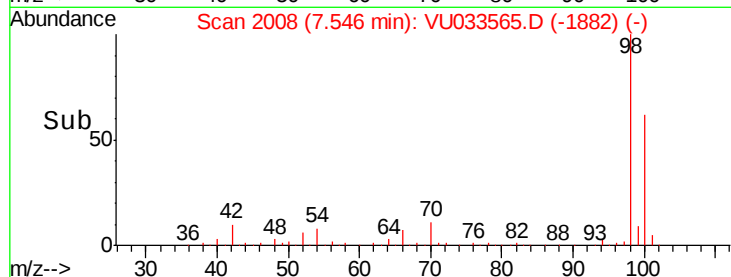
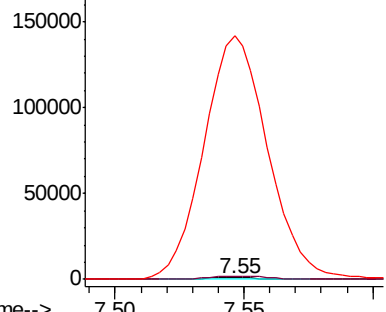
#40
4-Methyl-2-pentanone
Concen: 0.503 ug/L
RT: 7.55 min Scan# 2008
Delta R.T. 0.11 min
Lab File: VU033565.D
Acq: 02 Aug 2019 13:23

Instrument :
MSVOA_U
ClientSampleId :
DB9G2

Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 208.1 32.8 49.2#
100 15510.3 12.9 19.3#

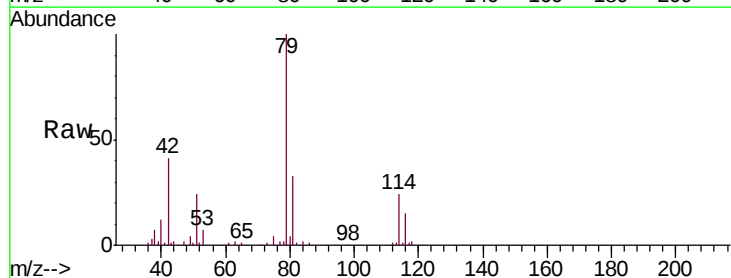


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

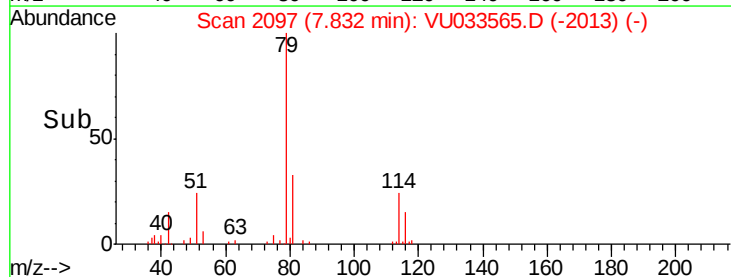
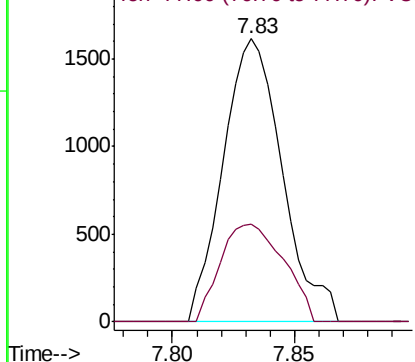


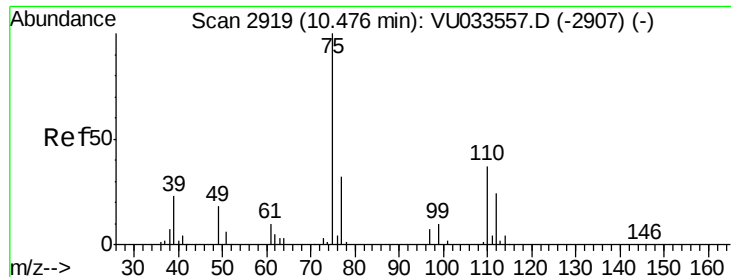
#44
trans-1,3-Dichloropropene
Concen: 0.838 ug/L
RT: 7.83 min Scan# 2097
Delta R.T. -0.03 min
Lab File: VU033565.D
Acq: 02 Aug 2019 13:23

Tgt Ion: 75 Resp: 2718
Ion Ratio Lower Upper
75 100
77 34.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.078 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033565.D

Acq: 02 Aug 2019 13:23

Instrument :

MSVOA_U

ClientSampleId :

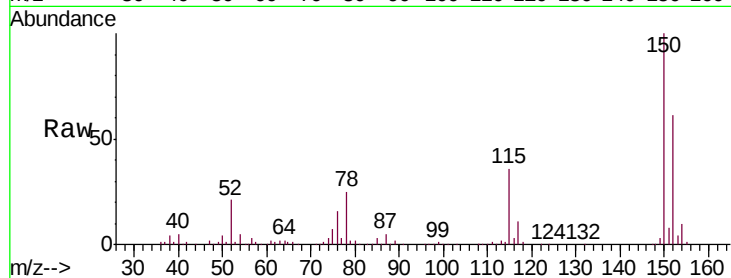
DB9G2

Tgt Ion: 75 Resp: 15408

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

