

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041637.D
 Acq On : 15 Dec 2020 15:30
 Operator : SY/MD
 Sample : VIBLK18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK18

Quant Time: Dec 16 02:47:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 02:41:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116828	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111897	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47431	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45374	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.92	69	36180	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.58	63	62520	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.66	46	135305	51.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.14%
24) Chloroform-d	5.08	84	78537	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.72	65	47042	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.74	84	156543	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	49352	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.90	98	133572	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	20132	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.64	63	121674	49.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45242	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47121	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

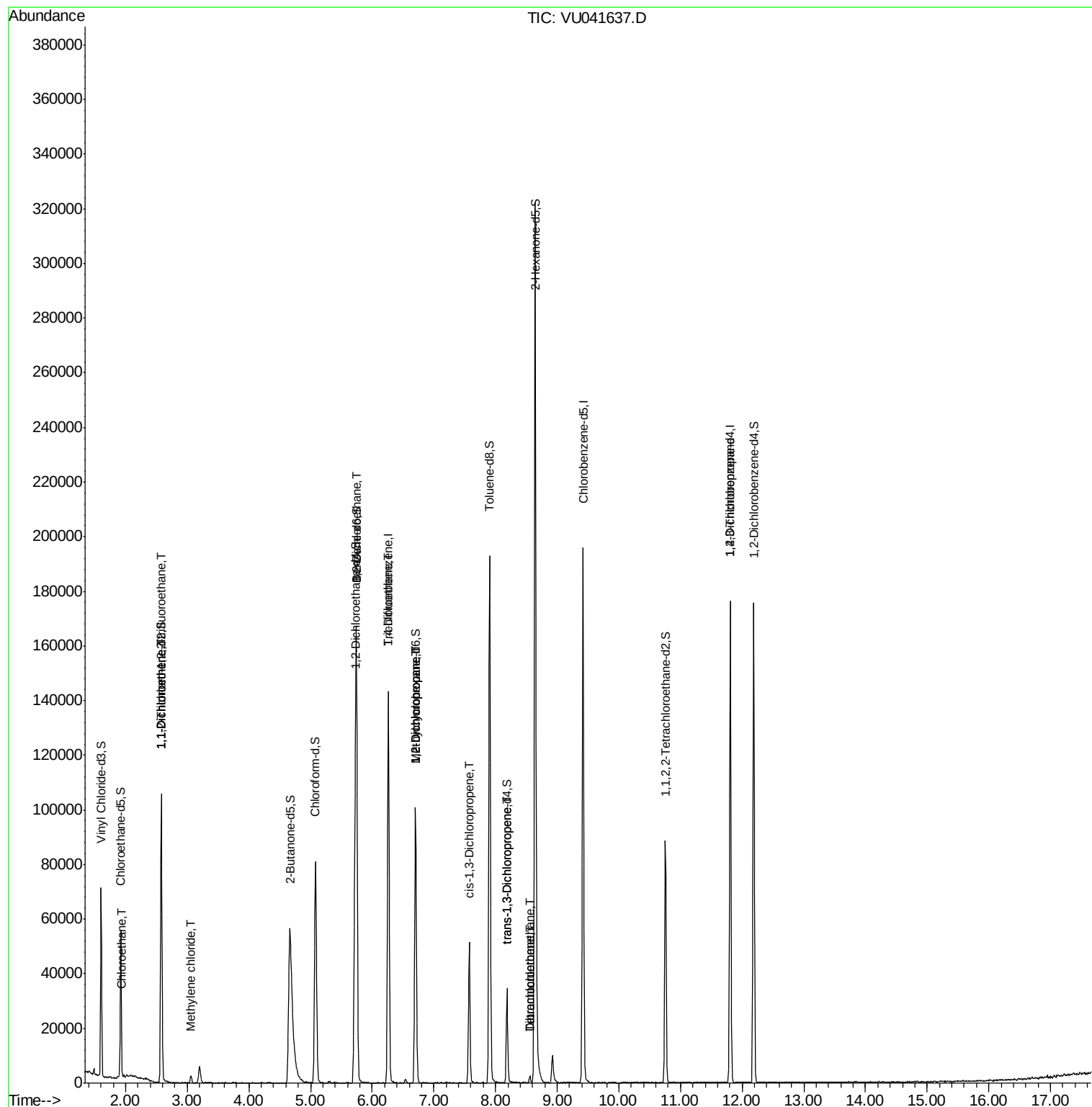
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	224	0.031	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	622	0.077	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	502	0.063	ug/L #	1
16) Methylene chloride	3.06	84	1374	0.145	ug/L #	76
27) 1,2-Dichloroethane	5.74	62	884	0.085	ug/L #	73
34) Trichloroethene	6.26	95	2069	0.230	ug/L #	7
35) Methylcyclohexane	6.70	83	11785	0.811	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5165	0.564	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1345	0.099	ug/L #	73
44) trans-1,3-Dichloropropene	8.18	75	796	0.066	ug/L #	79
47) Tetrachloroethene	8.56	164	669	0.106	ug/L	90
49) Dibromochloromethane	8.56	129	570	0.073	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5328	0.775	ug/L	99

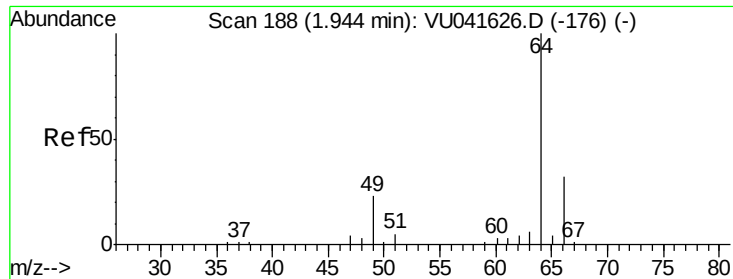
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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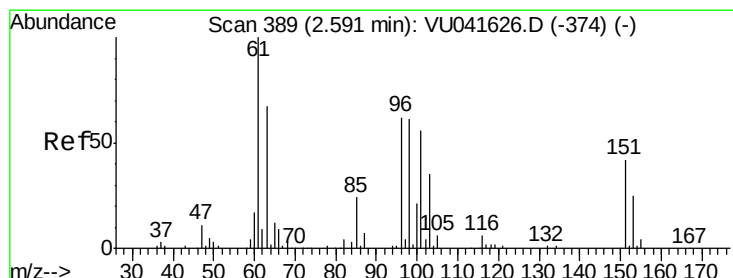
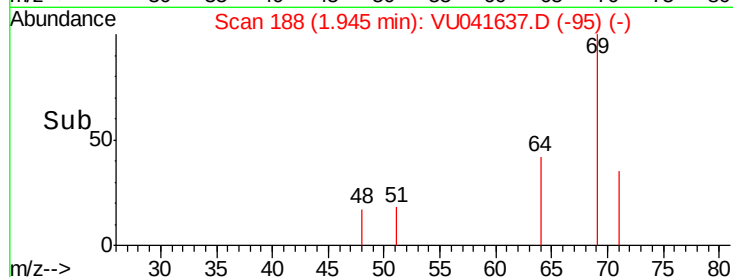
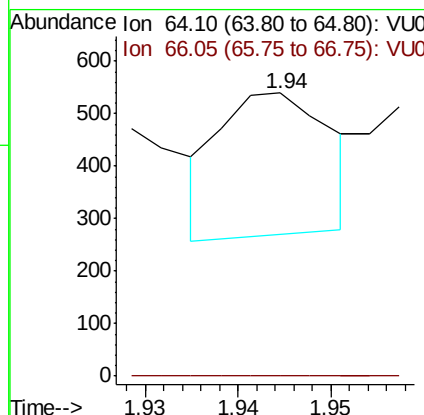
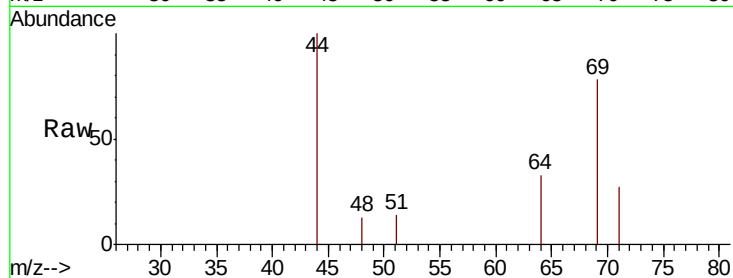




#8
Chloroethane
Concen: 0.031 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041637.D
Acq: 15 Dec 2020 15:30

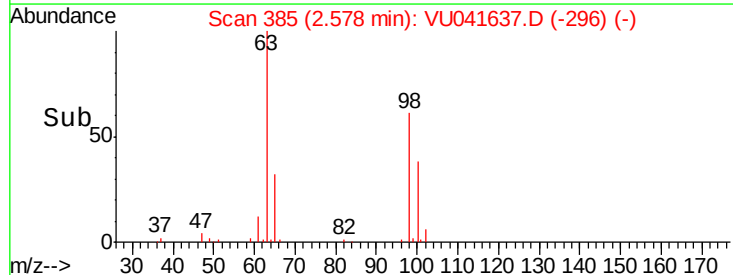
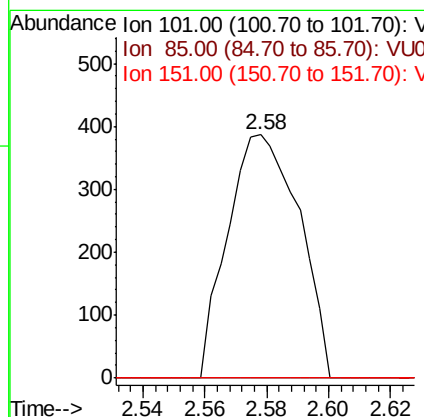
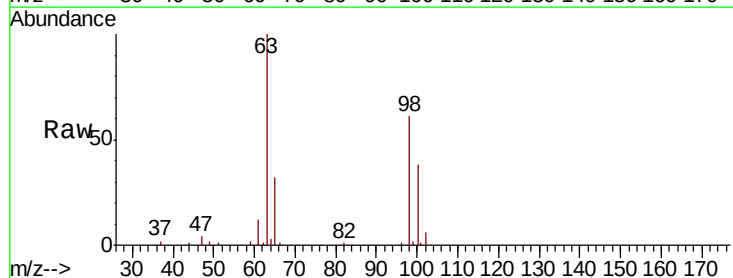
Instrument :
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VIBLK18

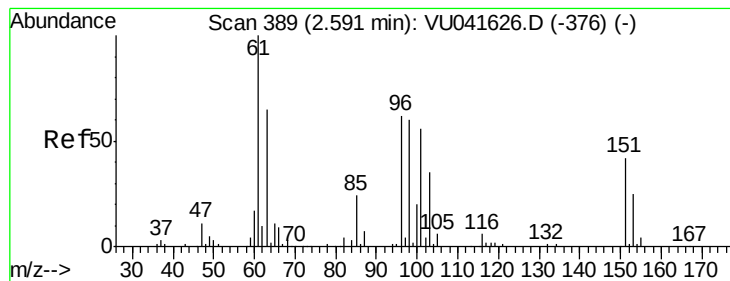
Tot Ion: 64 Resp: 224
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.077 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041637.D
Acq: 15 Dec 2020 15:30

Tgt Ion: 101 Resp: 622
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#





#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041637.D

Acq: 15 Dec 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VIBLK18

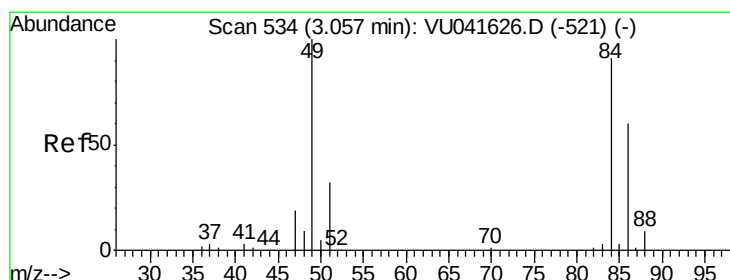
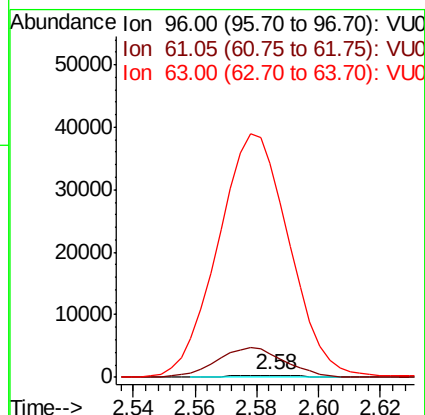
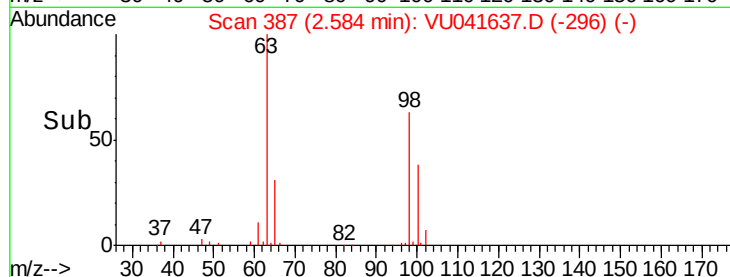
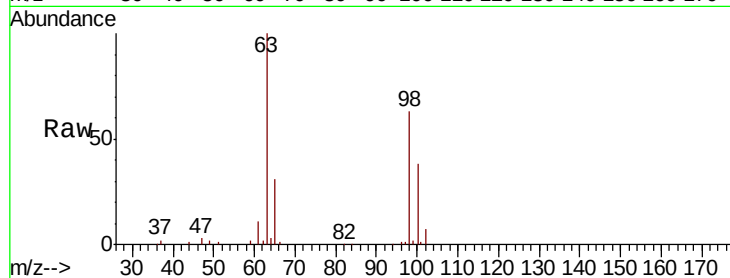
Tot Ion: 96 Resp: 502

Ion Ratio Lower Upper

96 100

61 1142.0 123.8 230.0#

63 10260.7 81.0 150.4#



#16

Methylene chloride

Concen: 0.145 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041637.D

Acq: 15 Dec 2020 15:30

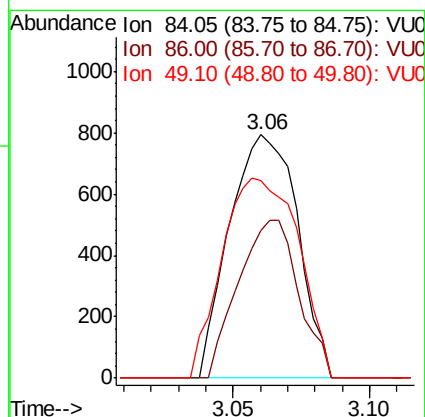
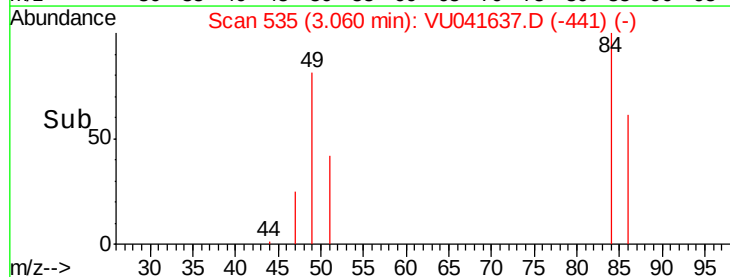
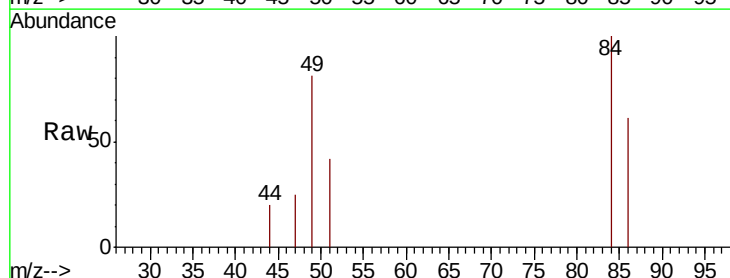
Tgt Ion: 84 Resp: 1374

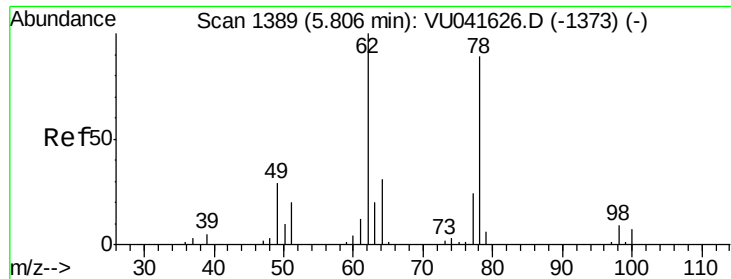
Ion Ratio Lower Upper

84 100

86 60.6 45.1 83.7

49 81.1 83.1 154.3#

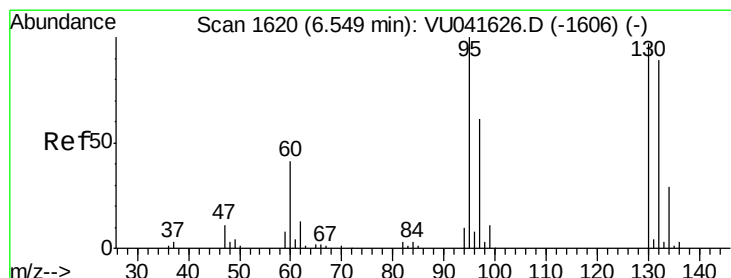
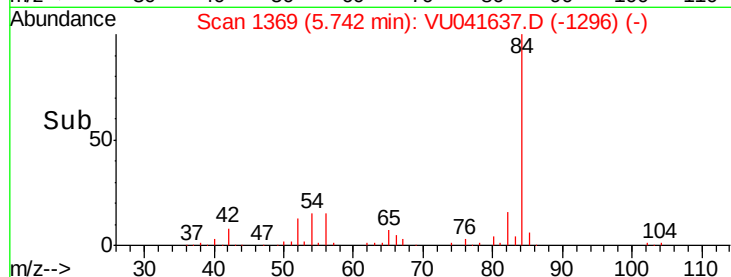
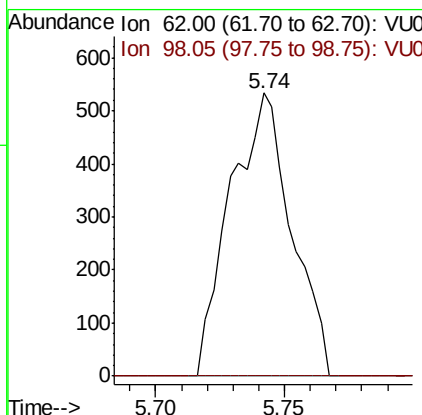
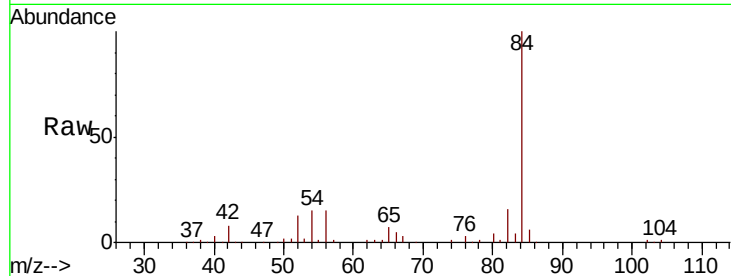




#27
 1,2-Dichloroethane
 Concen: 0.085 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041637.D
 Acq: 15 Dec 2020 15:30

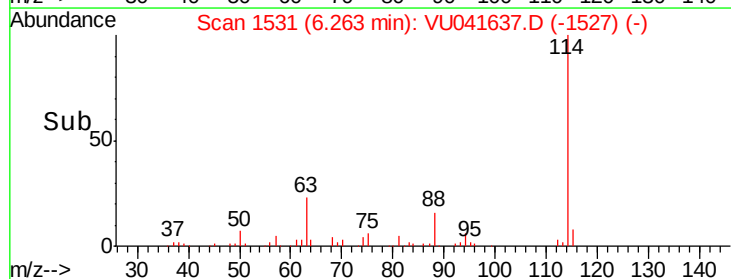
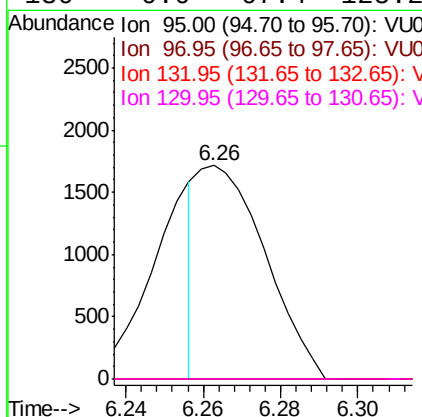
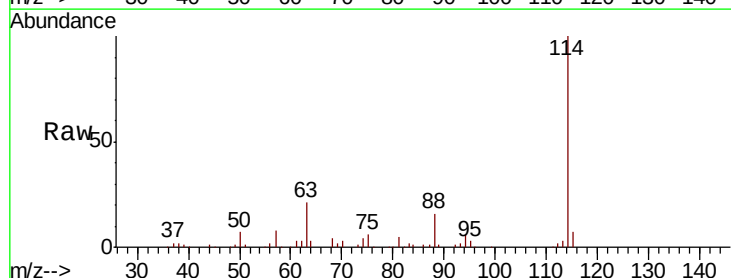
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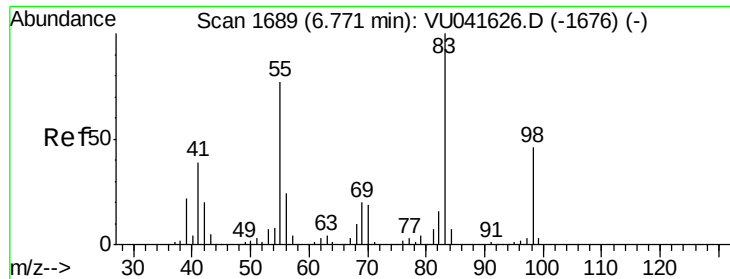
Tot Ion: 62 Resp: 884
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#34
 Trichloroethene
 Concen: 0.230 ug/L
 RT: 6.26 min Scan# 1531
 Delta R.T. -0.29 min
 Lab File: VU041637.D
 Acq: 15 Dec 2020 15:30

Tgt Ion: 95 Resp: 2069
 Ion Ratio Lower Upper
 95 100
 97 0.0 43.9 81.5#
 132 0.0 63.1 117.3#
 130 0.0 67.4 125.2#

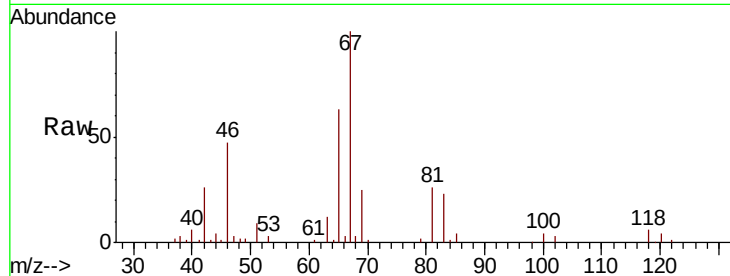




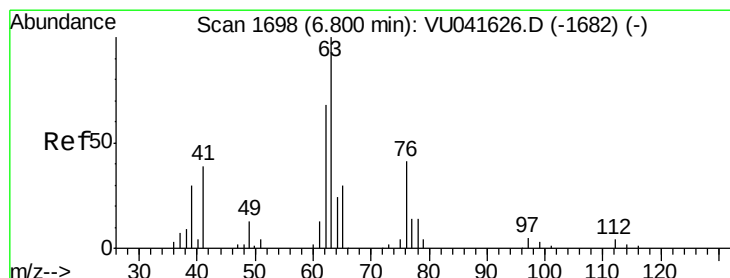
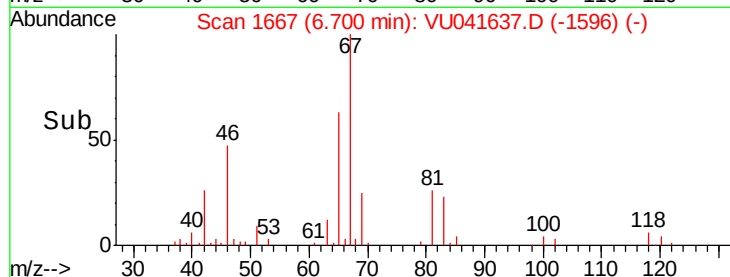
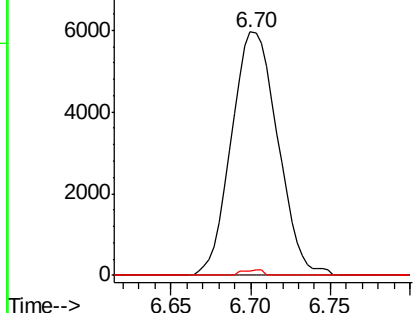
#35
Methylvlcyclohexane
Concen: 0.811 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041637.D
Acq: 15 Dec 2020 15:30

Instrument :
MSVOA_U
ClientSampleId :
VIBLK18

Tot Ion: 83 Resp: 11785
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.0 36.6 54.8#

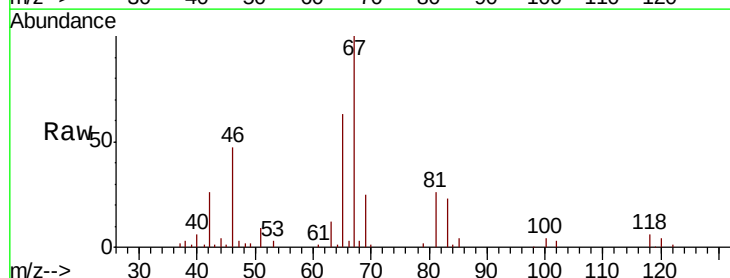


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

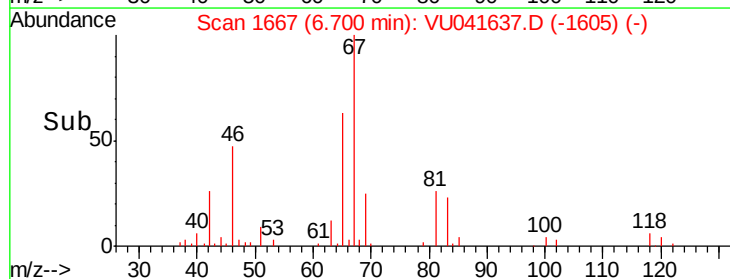
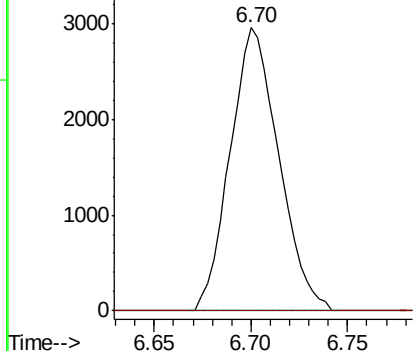


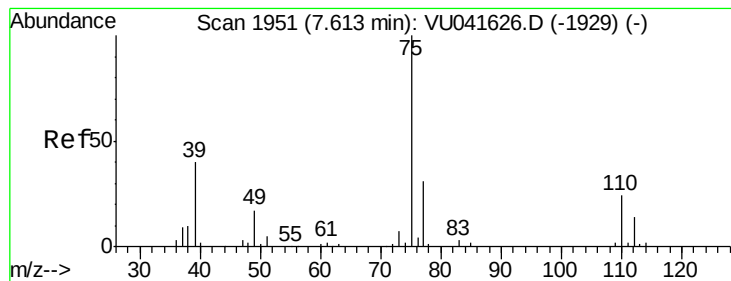
#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041637.D
Acq: 15 Dec 2020 15:30

Tgt Ion: 63 Resp: 5165
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



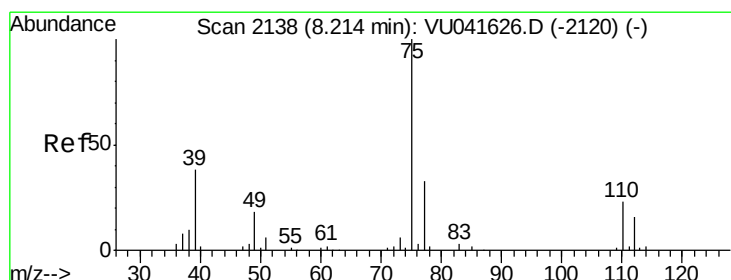
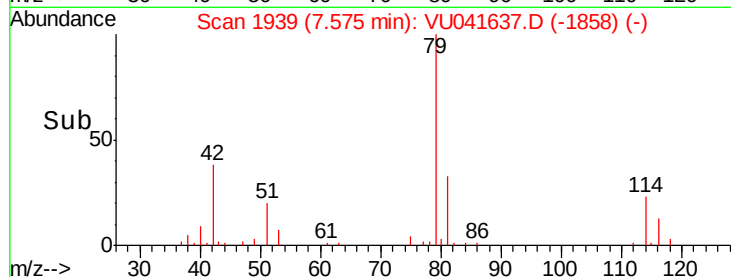
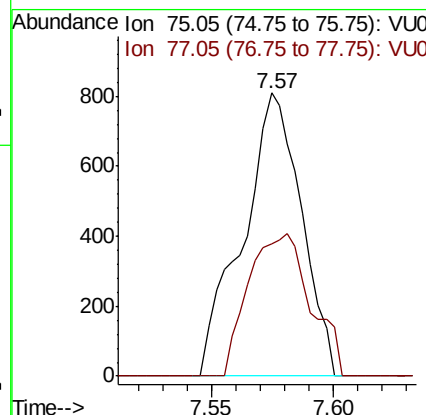
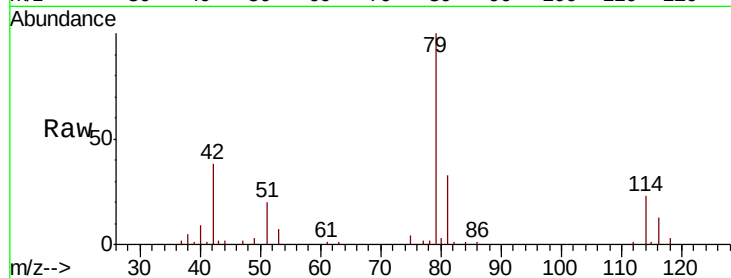


#39

cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041637.D
Acq: 15 Dec 2020 15:30

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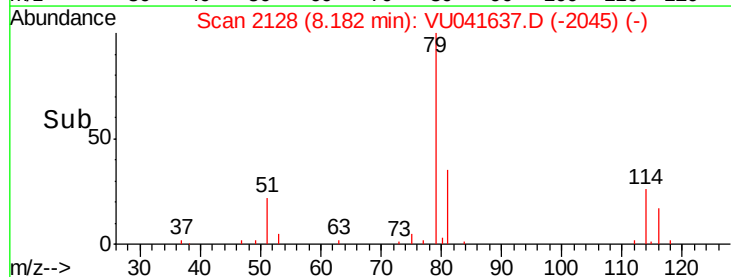
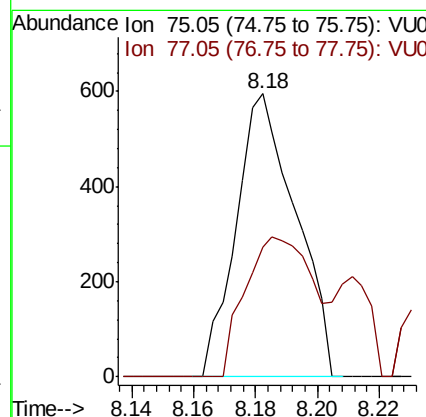
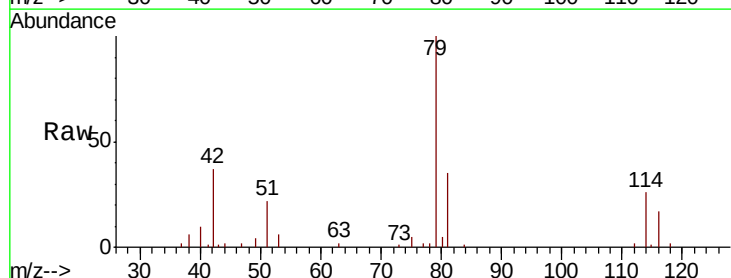
Tot Ion: 75 Resp: 1345
Ion Ratio Lower Upper
75 100
77 46.6 22.3 41.3#

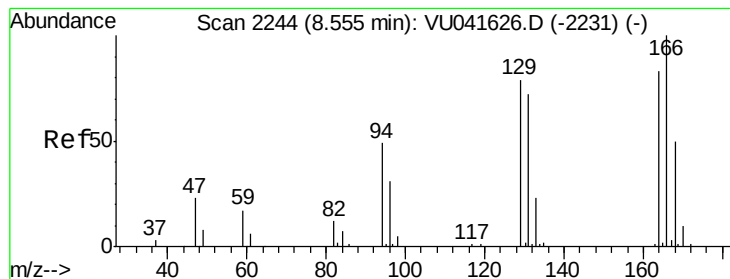


#44

trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041637.D
Acq: 15 Dec 2020 15:30

Tgt Ion: 75 Resp: 796
Ion Ratio Lower Upper
75 100
77 46.1 23.8 44.2#





#47

Tetrachloroethene

Concen: 0.106 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041637.D

Acq: 15 Dec 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VIBLK18

Tot Ion:164 Resp: 669

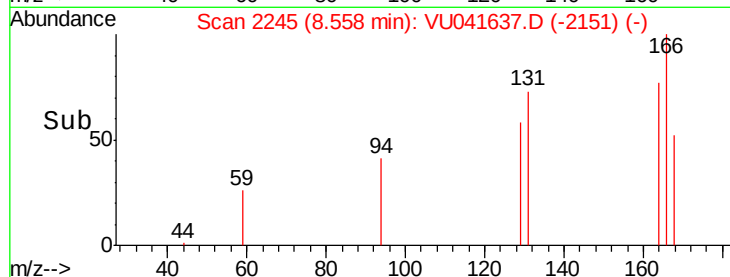
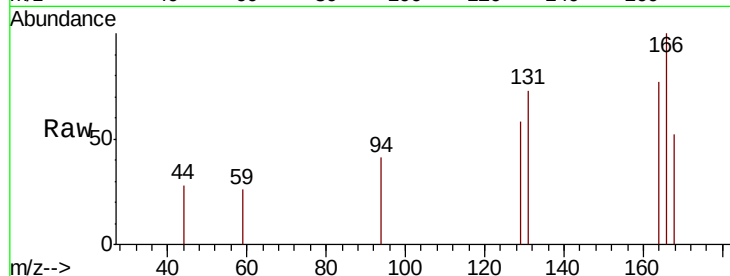
Ion Ratio Lower Upper

164 100

129 75.2 72.2 134.0

131 94.0 66.9 124.3

166 129.1 89.6 166.4

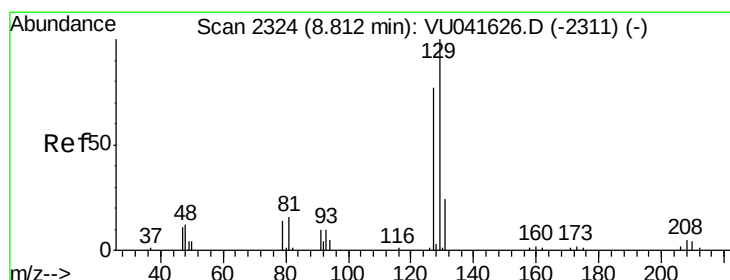
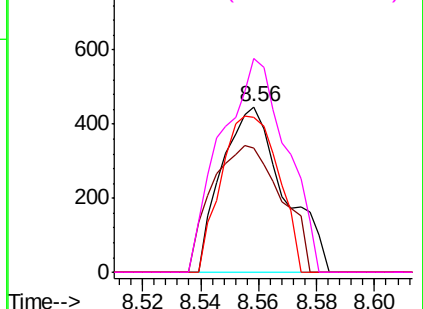


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.073 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041637.D

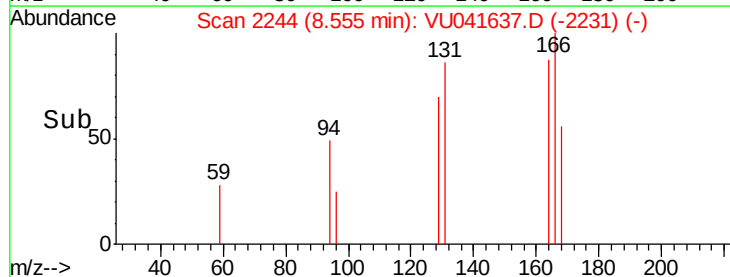
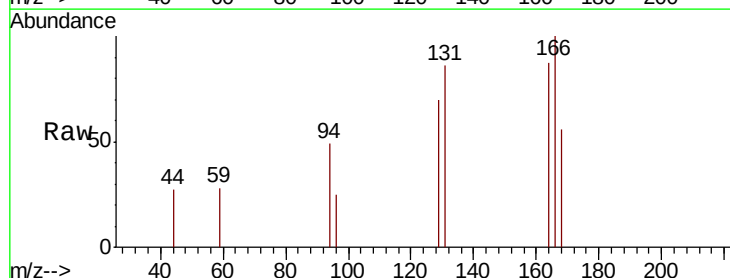
Acq: 15 Dec 2020 15:30

Tgt Ion:129 Resp: 570

Ion Ratio Lower Upper

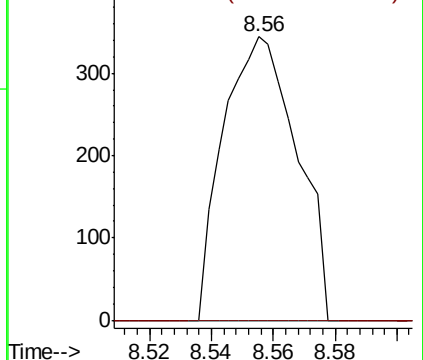
129 100

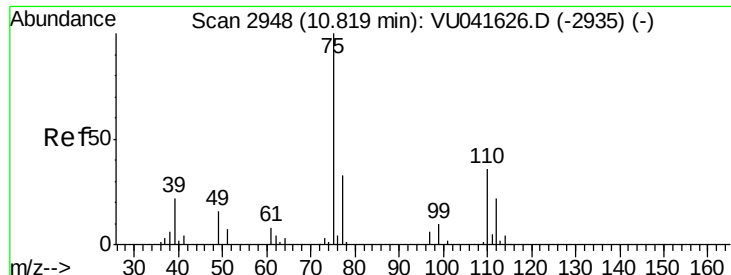
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.775 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041637.D

Acq: 15 Dec 2020 15:30

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ClientSampleId :

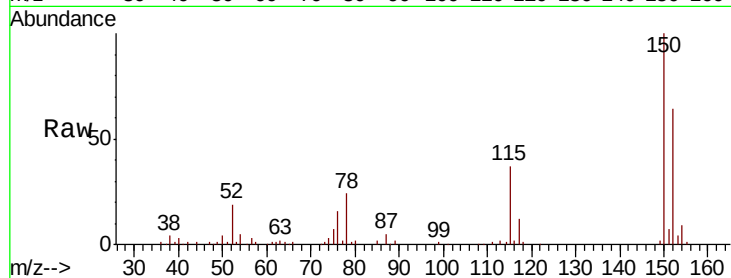
VIBLK18

Tot Ion: 75 Resp: 5328

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

