

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036663.D
 Acq On : 3 Apr 2021 2:44
 Operator : SY/AP
 Sample : M1834-02 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 07:29:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1334179	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3372451	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2996088	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2390882	10.01	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

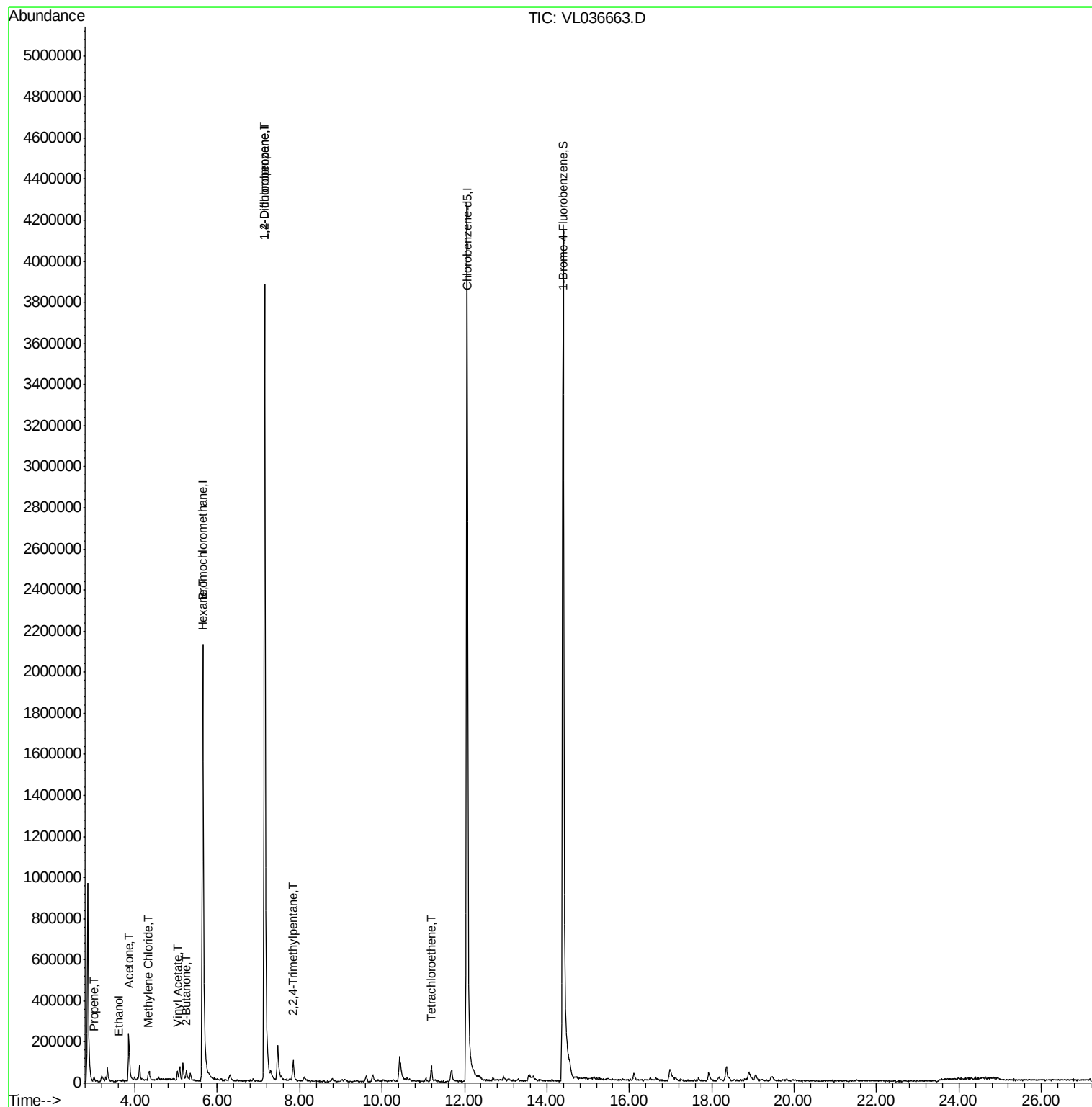
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	4015	0.051	ppbv #	14
13) Ethanol	3.59	45	370	0.039	ppbv #	1
15) Acetone	3.85	43	128459	0.978	ppbv	97
20) Methylene Chloride	4.32	84	2066	0.034	ppbv #	28
23) Vinyl Acetate	5.03	43	18663	0.083	ppbv #	1
26) Hexane	5.66	57	7695	0.053	ppbv #	1
34) 2-Butanone	5.24	43	23037	0.140	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	872488	6.915	ppbv #	23
44) 2,2,4-Trimethylpentane	7.84	57	87430	0.160	ppbv #	86
52) Tetrachloroethene	11.21	164	3906	0.034	ppbv	86

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036663.D

Acq: 3 Apr 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

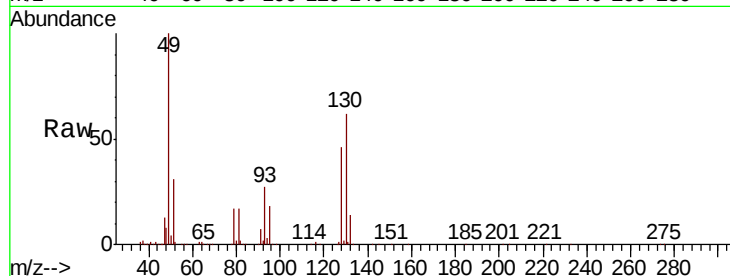
Tot Ion: 49 Resp: 1334179

Ion Ratio Lower Upper

49 100

128 49.0 23.5 70.6

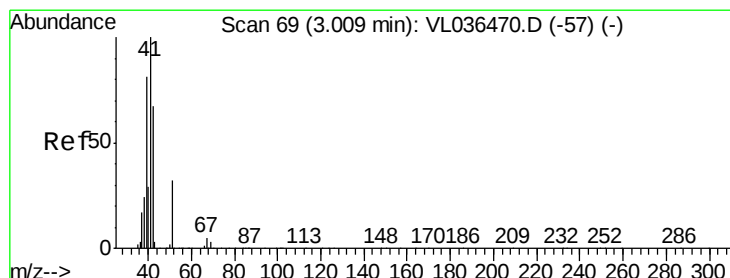
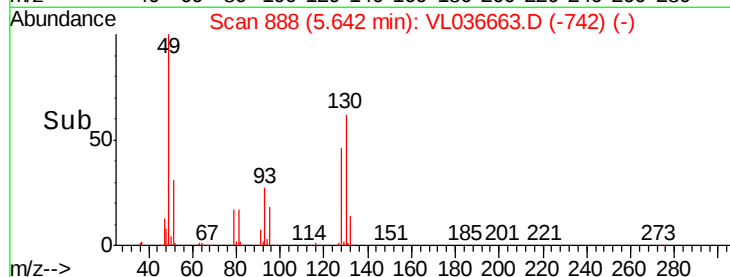
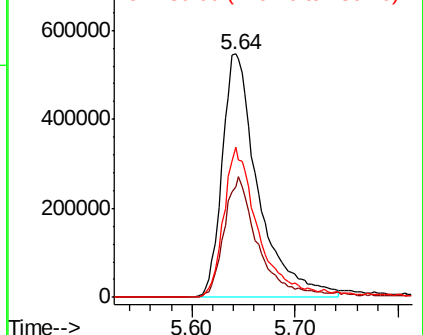
130 61.8 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.051 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036663.D

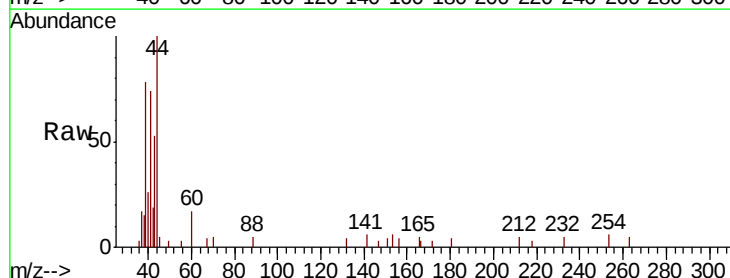
Acq: 3 Apr 2021 2:44

Tgt Ion: 41 Resp: 4015

Ion Ratio Lower Upper

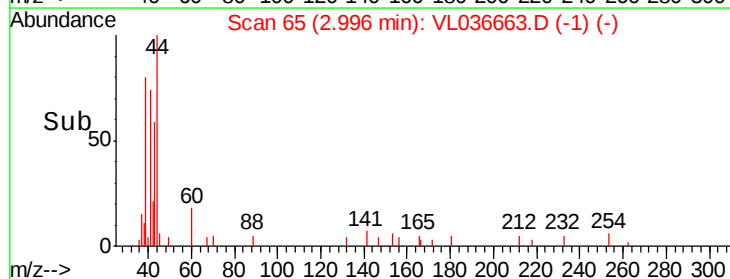
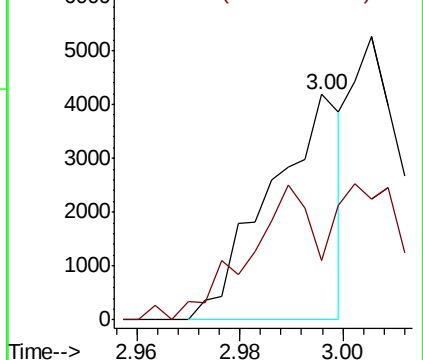
41 100

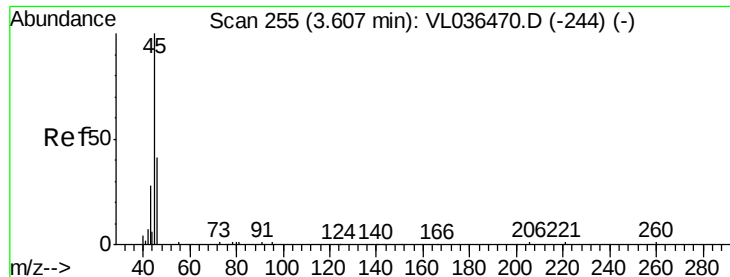
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

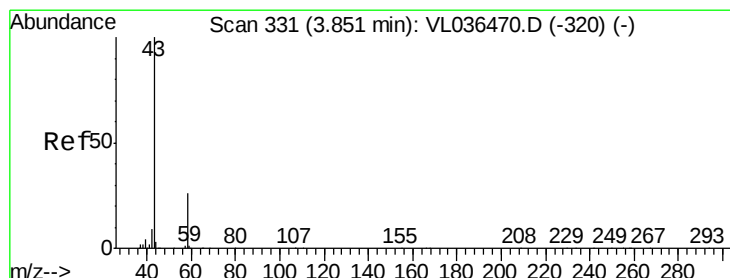
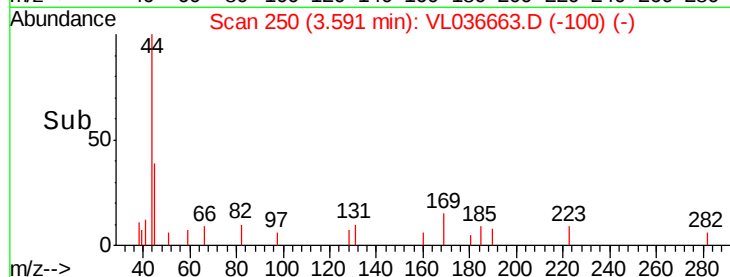
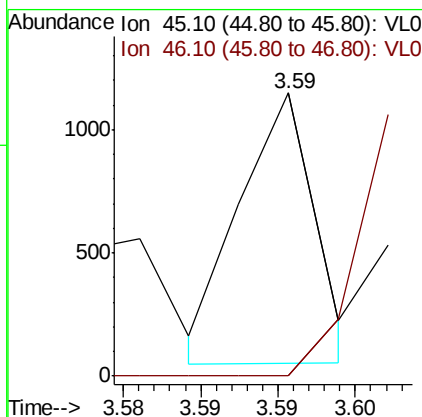
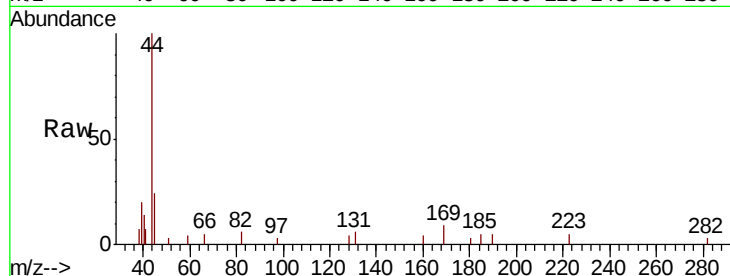




#13
Ethanol
Concen: 0.039 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

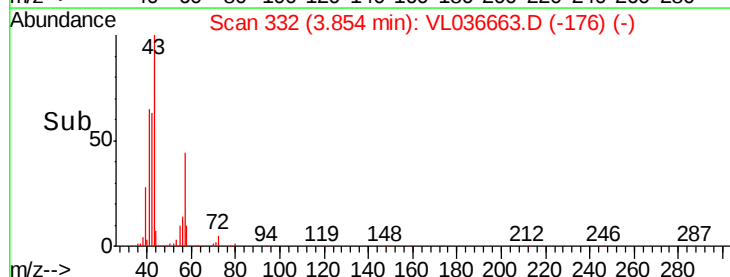
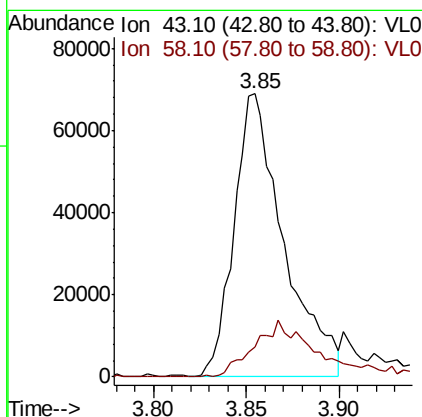
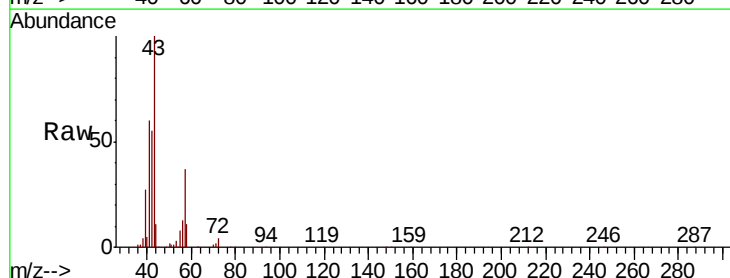
Instrument :
MSVOA_L
ClientSampleId :

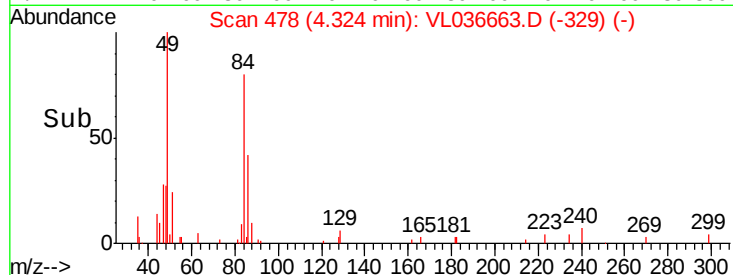
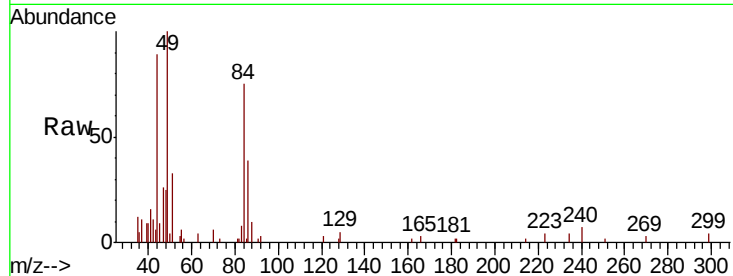
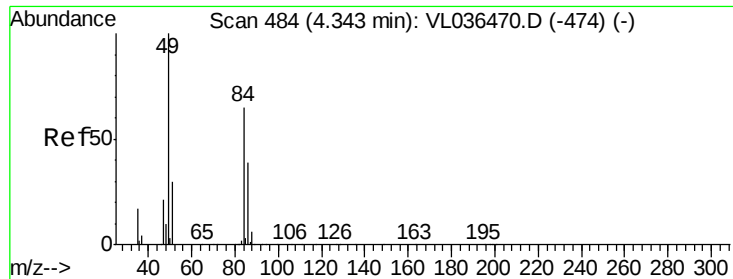
Tot Ion: 45 Resp: 370
Ion Ratio Lower Upper
45 100
46 441.6 16.6 66.2#



#15
Acetone
Concen: 0.978 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

Tgt Ion: 43 Resp: 128459
Ion Ratio Lower Upper
43 100
58 25.0 21.2 31.8

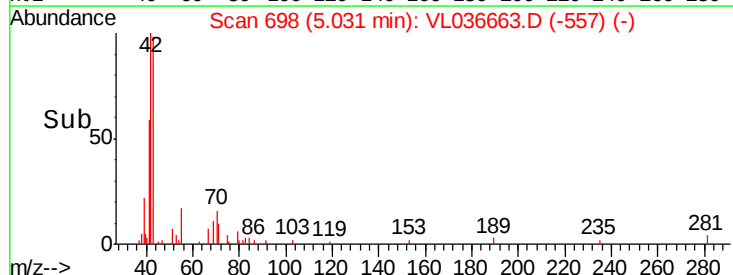
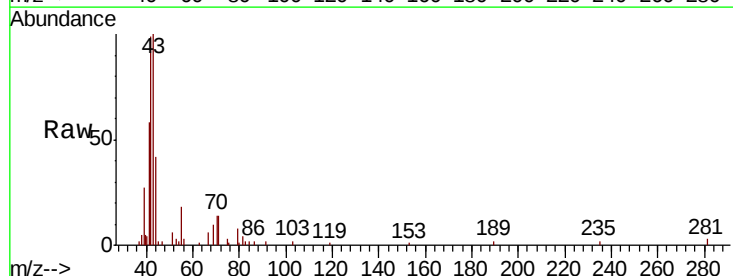
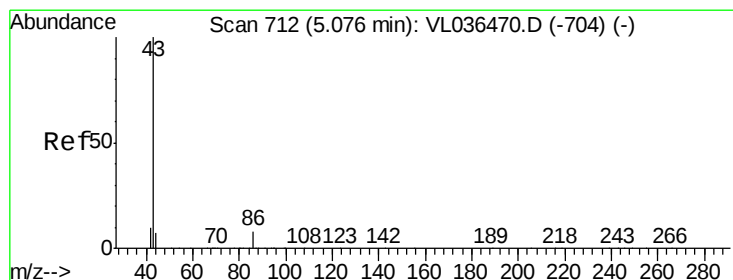
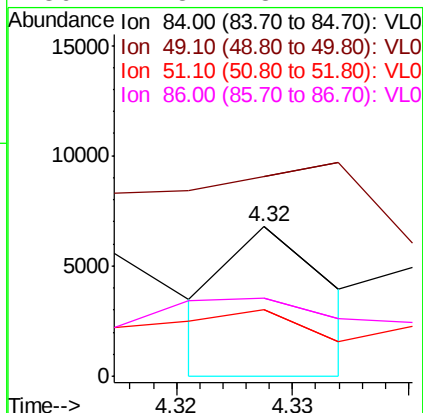




#20
Methvlene Chloride
Concen: 0.034 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

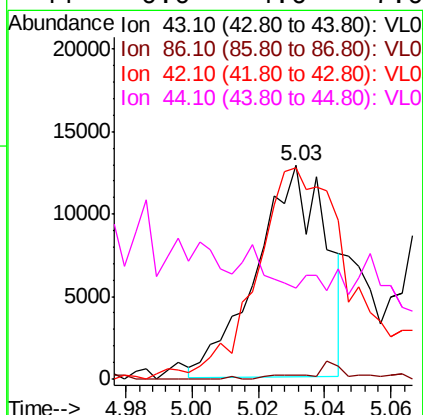
Instrument :
MSVOA_L
ClientSampleId :

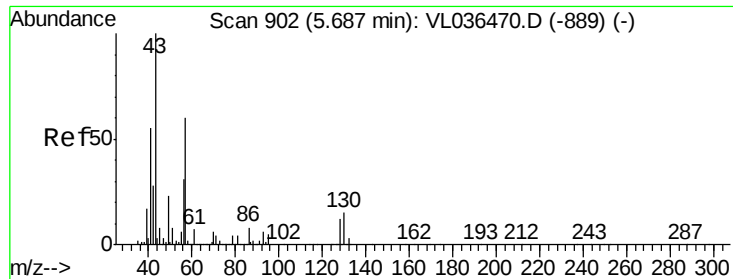
Tot Ion:	84	Resp:	2066
Ion	Ratio	Lower	Upper
84	100		
49	19.6	122.9	184.3#
51	43.7	36.9	55.3
86	27.8	48.2	72.4#



#23
Vinyl Acetate
Concen: 0.083 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.05 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

Tgt Ion:	43	Resp:	18663
Ion	Ratio	Lower	Upper
43	100		
86	2.0	5.4	8.0#
42	101.6	8.5	12.7#
44	0.0	4.6	7.0#

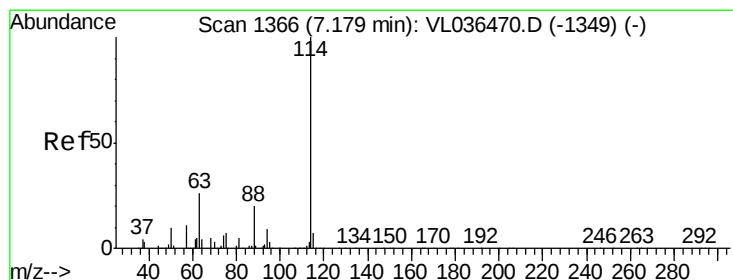
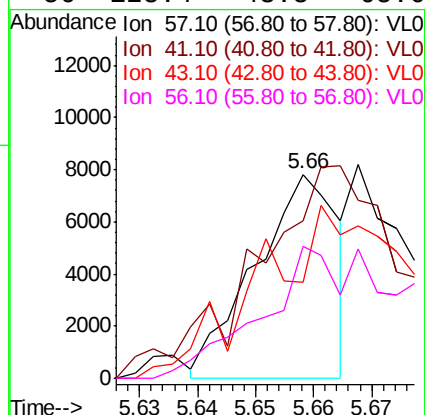
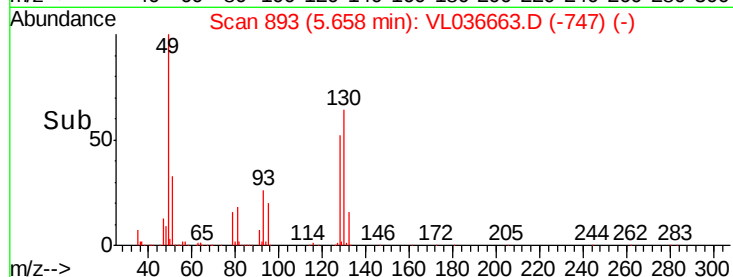
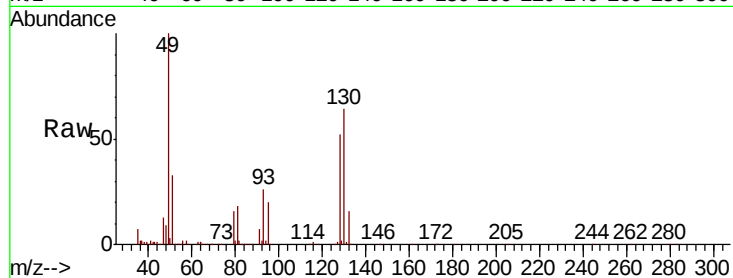




#26
Hexane
Concen: 0.053 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

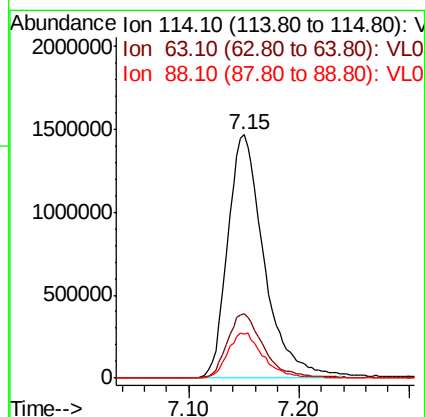
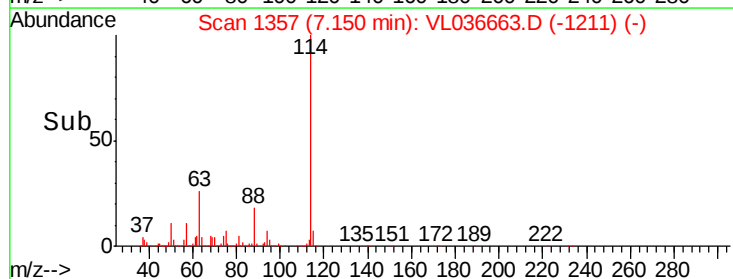
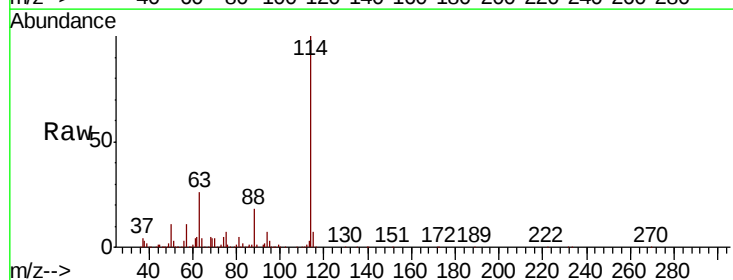
Instrument :
MSVOA_L
ClientSampleId :

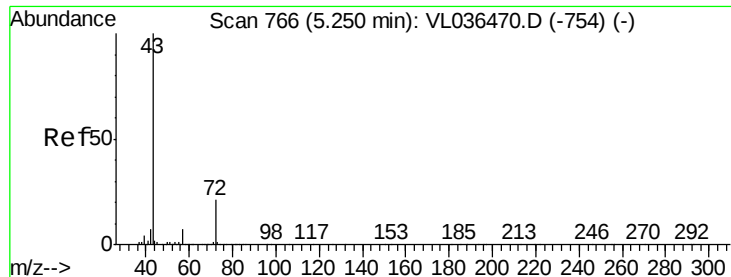
Tot Ion: 57 Resp: 7695
Ion Ratio Lower Upper
57 100
41 0.0 77.2 115.8#
43 0.0 173.8 260.6#
56 128.4 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

Tgt Ion:114 Resp: 3372451
Ion Ratio Lower Upper
114 100
63 26.4 22.4 33.6
88 18.5 15.4 23.0

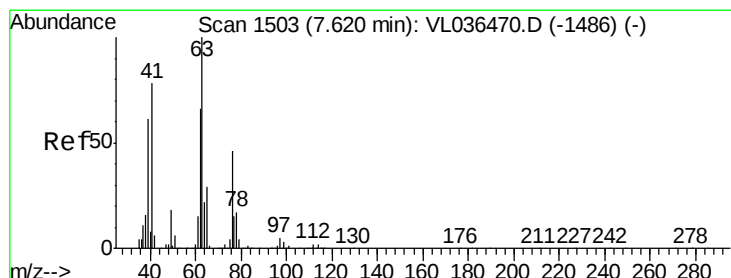
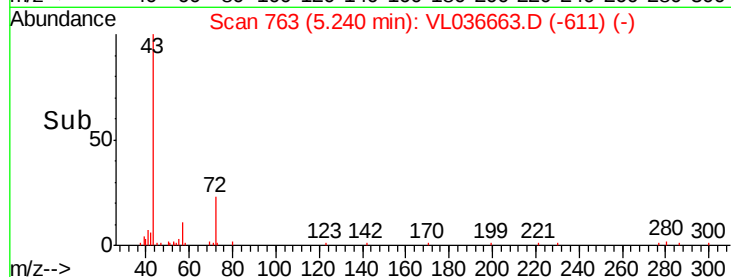
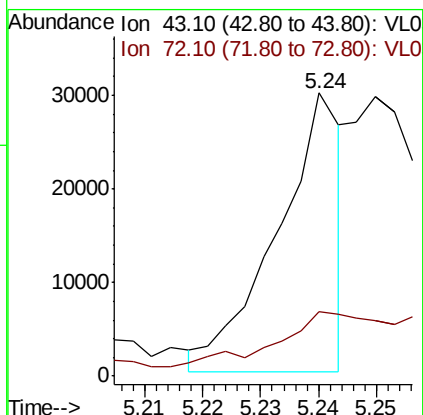
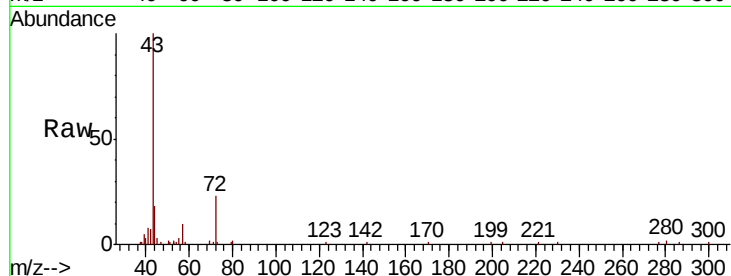




#34
2-Butanone
Concen: 0.140 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

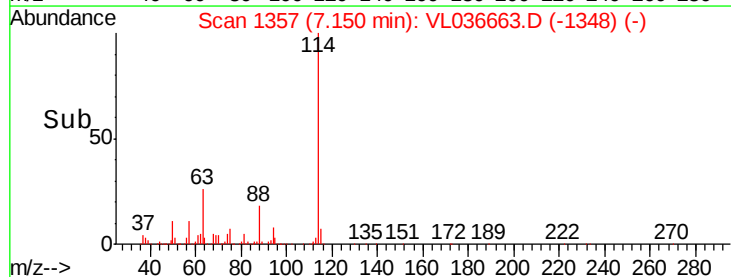
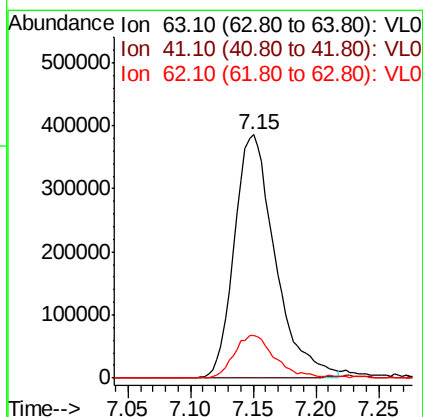
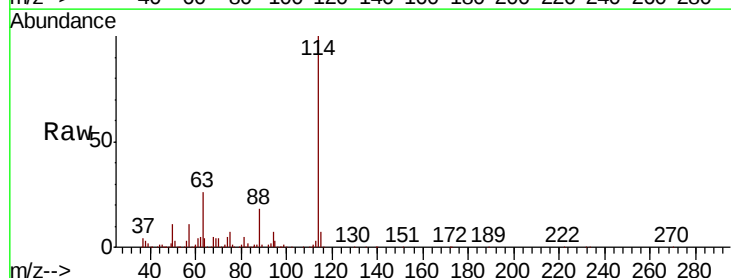
Instrument :
MSVOA_L
ClientSampleId :

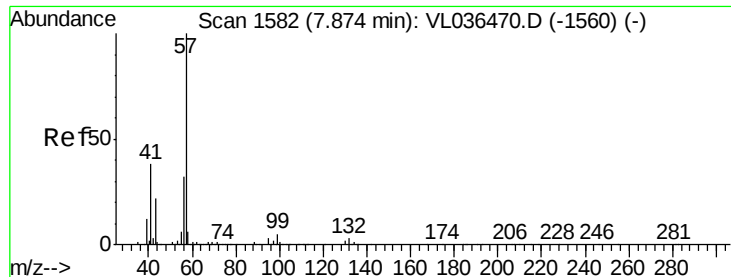
Tot Ion: 43 Resp: 23037
Ion Ratio Lower Upper
43 100
72 92.2 17.0 25.6#



#39
1,2-Dichloropropane
Concen: 6.915 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.47 min
Lab File: VL036663.D
Acq: 3 Apr 2021 2:44

Tgt Ion: 63 Resp: 872488
Ion Ratio Lower Upper
63 100
41 0.1 62.4 93.6#
62 17.4 52.8 79.2#

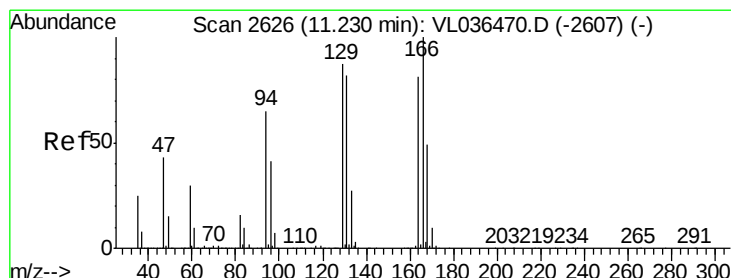
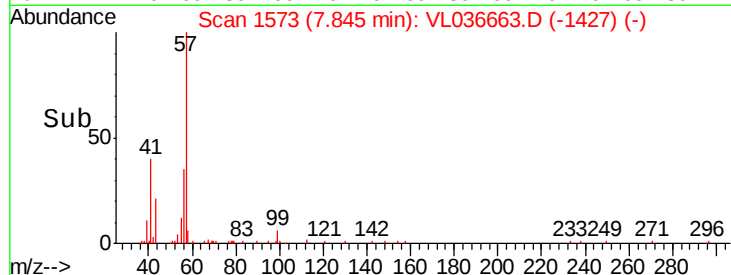
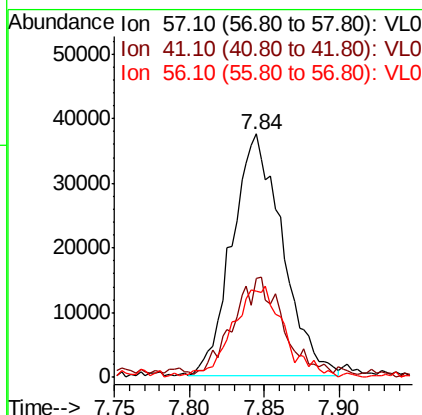
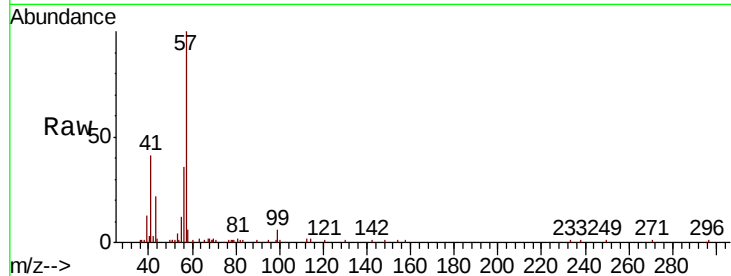




#44
 2,2,4-Trimethylpentane
 Concen: 0.160 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: VL036663.D
 Acq: 3 Apr 2021 2:44

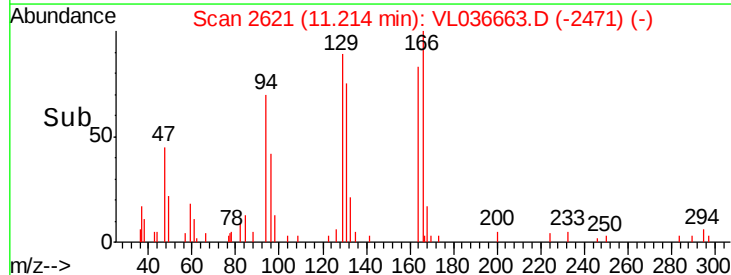
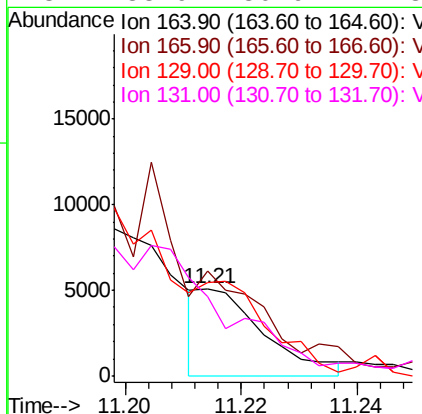
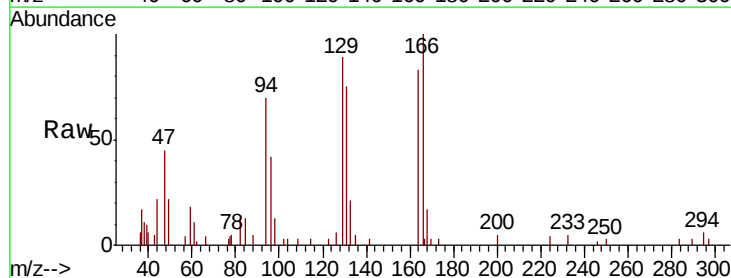
Instrument :
 MSVOA_L
 ClientSampleId :

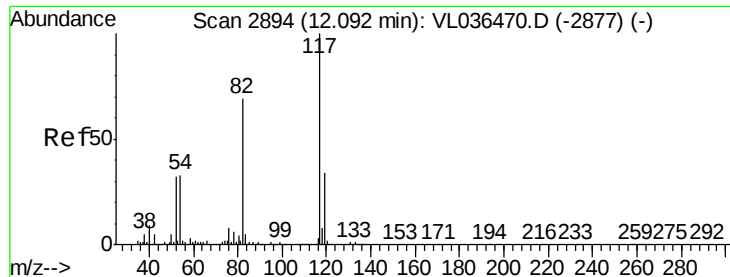
Tot Ion: 57 Resp: 87430
 Ion Ratio Lower Upper
 57 100
 41 45.1 28.8 43.2#
 56 40.0 26.1 39.1#



#52
 Tetrachloroethene
 Concen: 0.034 ppbv
 RT: 11.21 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: VL036663.D
 Acq: 3 Apr 2021 2:44

Tgt Ion: 164 Resp: 3906
 Ion Ratio Lower Upper
 164 100
 166 102.3 98.3 147.5
 129 119.0 85.8 128.8
 131 88.9 80.9 121.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL036663.D

Acq: 3 Apr 2021 2:44

Instrument :

MSVOA_L

ClientSampleId :

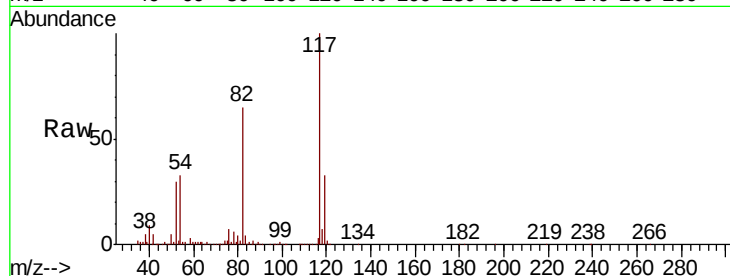
Tot Ion:117 Resp: 2996088

Ion Ratio Lower Upper

117 100

82 67.2 57.4 86.0

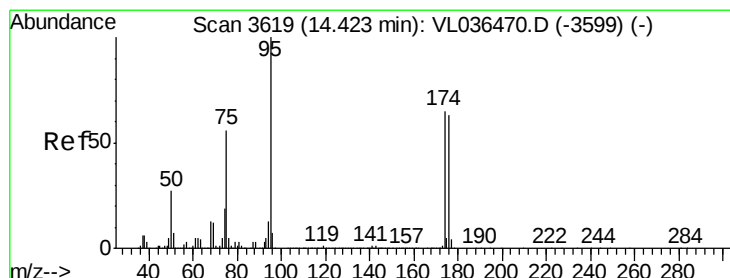
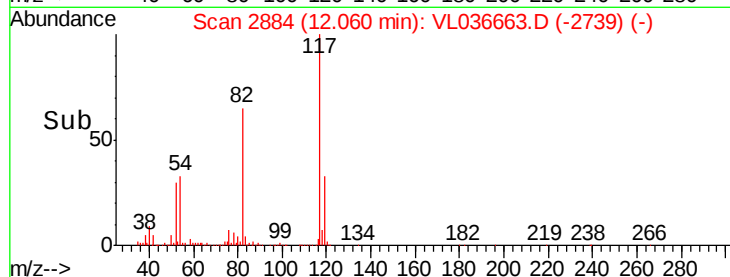
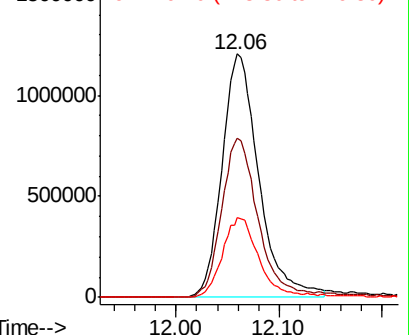
119 33.3 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.012 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL036663.D

Acq: 3 Apr 2021 2:44

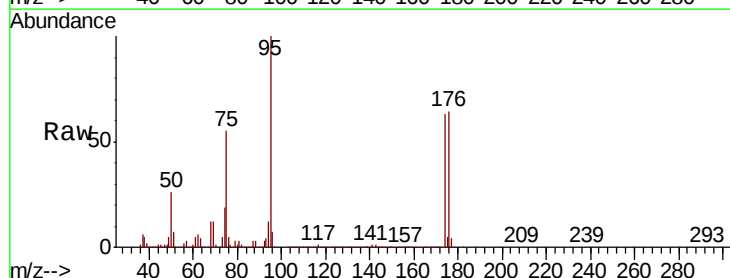
Tgt Ion: 95 Resp: 2390882

Ion Ratio Lower Upper

95 100

174 67.8 51.0 76.6

175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

