

Data File : VL035666.D
Acq On : 17 Sep 2020 21:20
Operator : SY/AP
Sample : L3983-02DL2 400X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

Quant Time: Sep 18 02:34:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1153578	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4447077	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4410366	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.44 95 3215686 10.27 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	2204	0.045	ppbv #	14
15) Acetone	3.86	43	329050	2.586	ppbv	96
16) 1,3-Butadiene	3.31	39	10582	0.223	ppbv #	7
20) Methylene Chloride	4.34	84	15761	0.166	ppbv #	90
30) Cyclohexane	7.17	84	4859	0.036	ppbv #	9
34) 2-Butanone	5.27	43	24092	0.183	ppbv	96
38) Trichloroethene	7.84	130	13794	0.082	ppbv	91
39) 1,2-Dichloropropane	7.18	63	853003	8.772	ppbv #	33
52) Tetrachloroethene	11.24	164	1750136	10.407	ppbv	97
53) Toluene	9.82	91	14391	0.040	ppbv	98

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

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Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

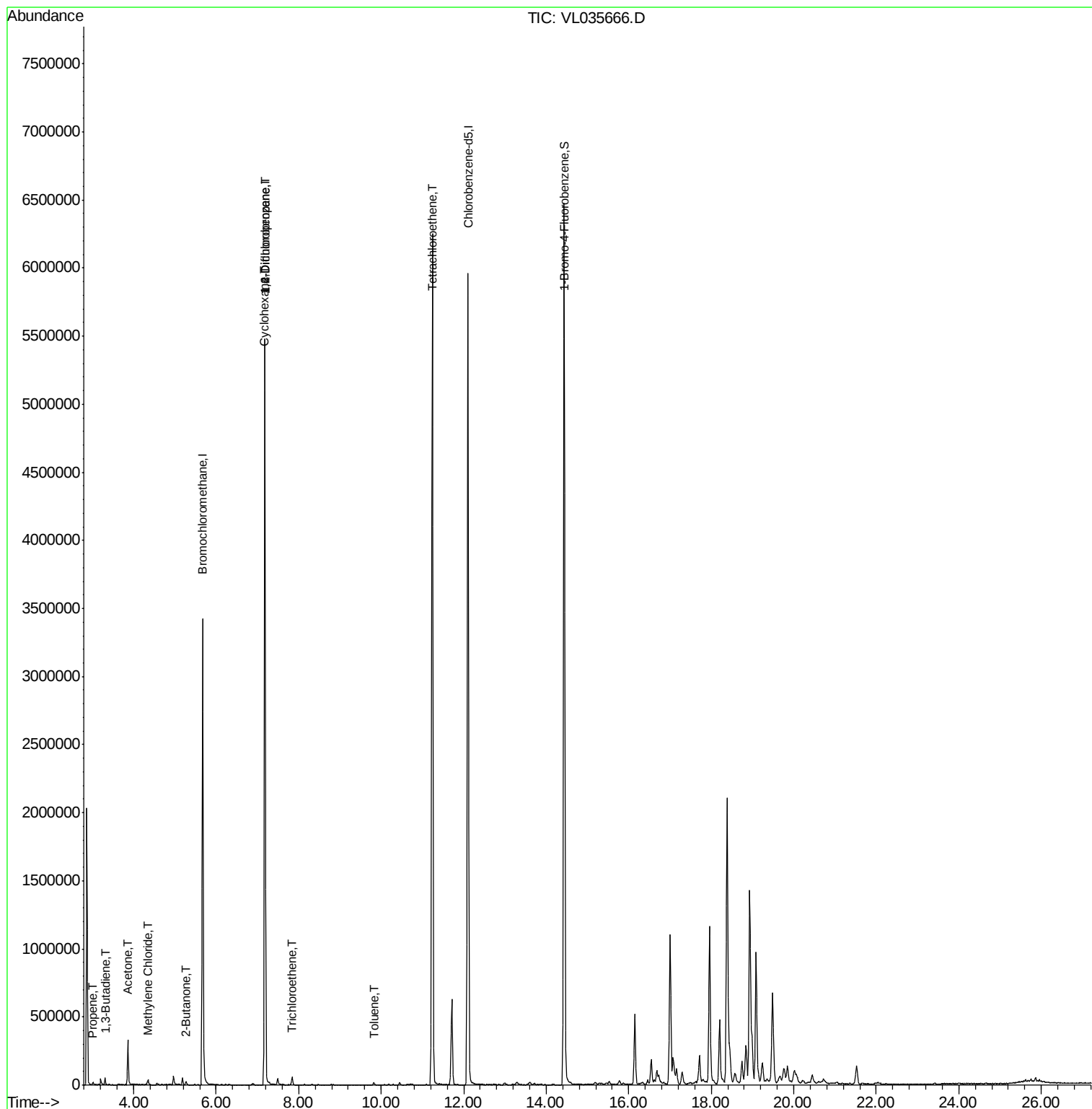
Quant Time: Sep 18 02:34:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020

QLast Update : Mon Sep 14 15:19:50 2020

Response via : Initial Calibration

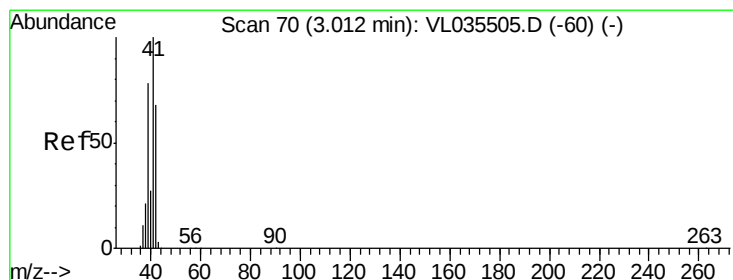
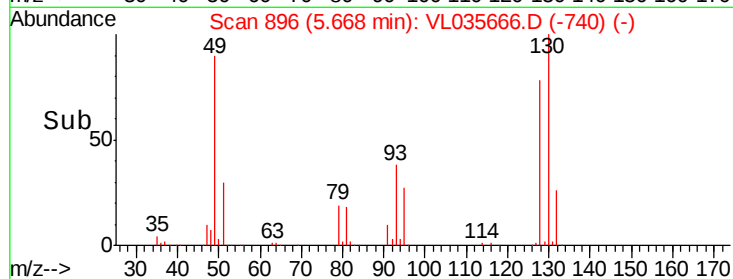
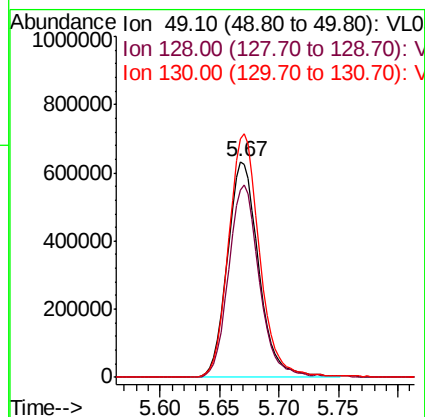
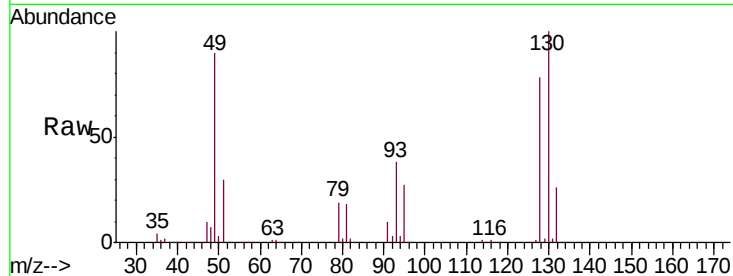




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

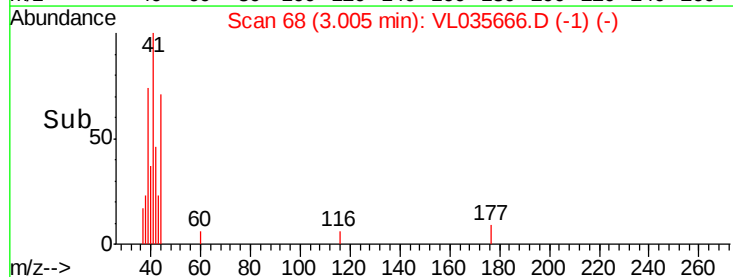
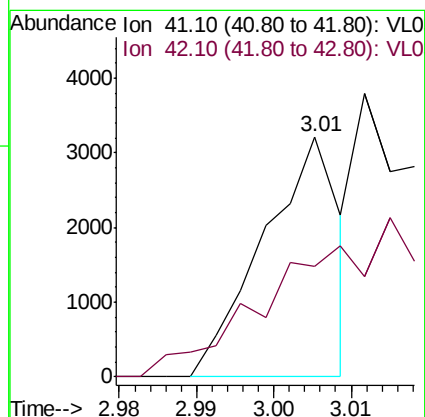
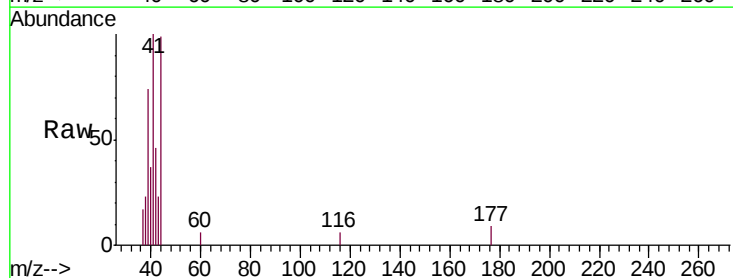
Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

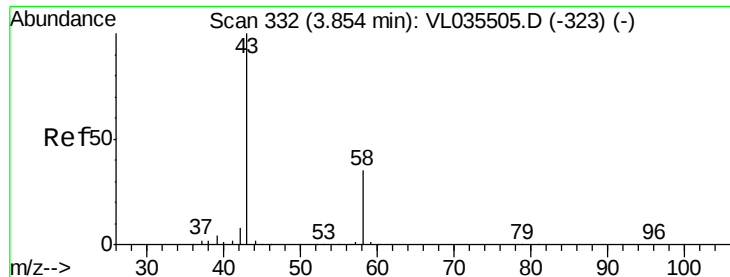
Tgt Ion: 49 Resp: 1153578
Ion Ratio Lower Upper
49 100
128 88.4 50.0 150.1
130 113.3 64.4 193.2



#9
Propene
Concen: 0.045 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.01 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

Tgt Ion: 41 Resp: 2204
Ion Ratio Lower Upper
41 100
42 0.0 56.3 84.5#





#15

Acetone

Concen: 2.586 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL035666.D

Acq: 17 Sep 2020 21:20

Instrument :

MSVOA_L

ClientSampled :

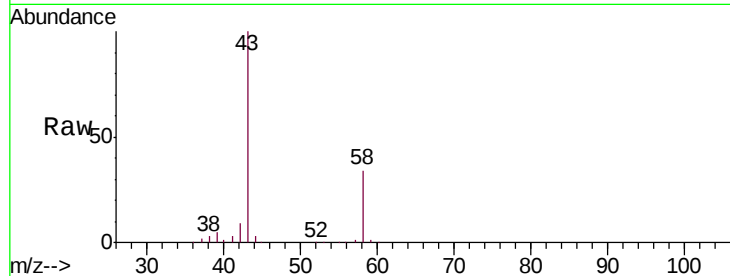
SV-7DL

Tgt Ion: 43 Resp: 329050

Ion Ratio Lower Upper

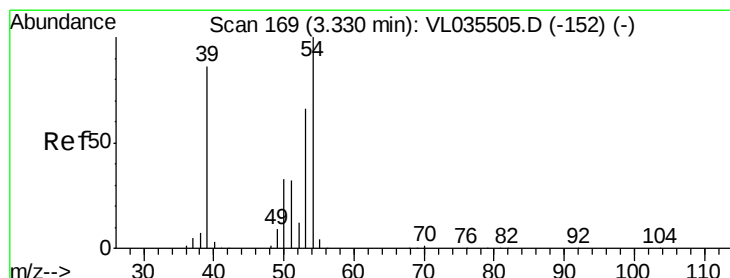
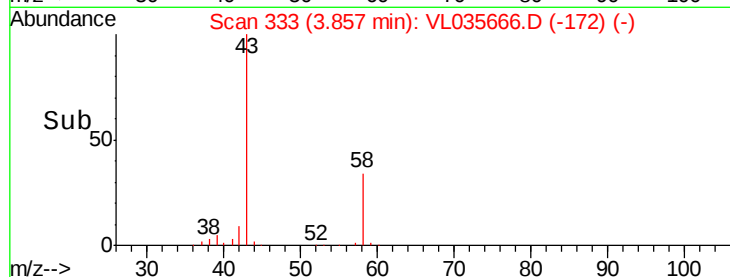
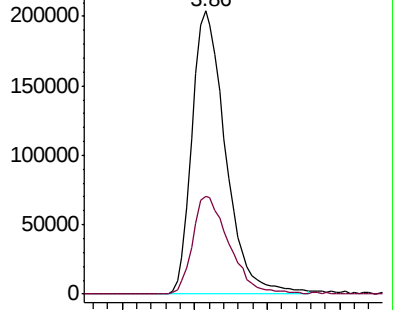
43 100

58 38.0 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.223 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL035666.D

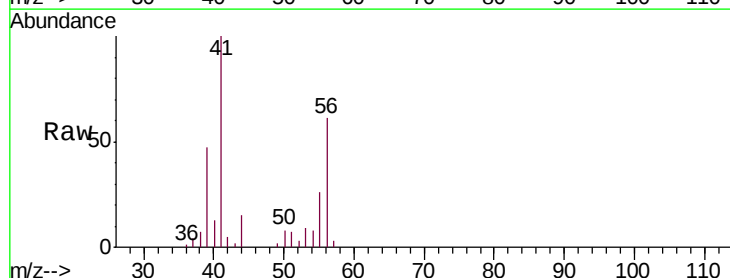
Acq: 17 Sep 2020 21:20

Tgt Ion: 39 Resp: 10582

Ion Ratio Lower Upper

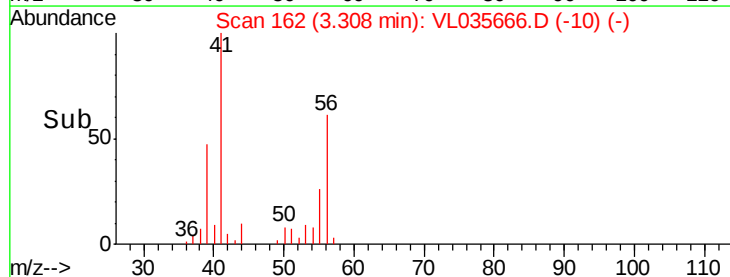
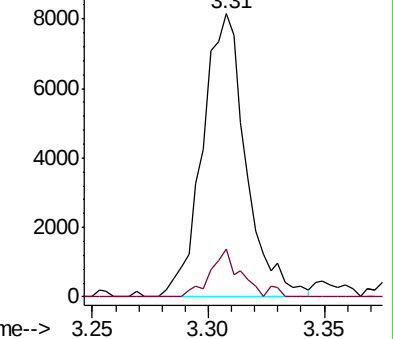
39 100

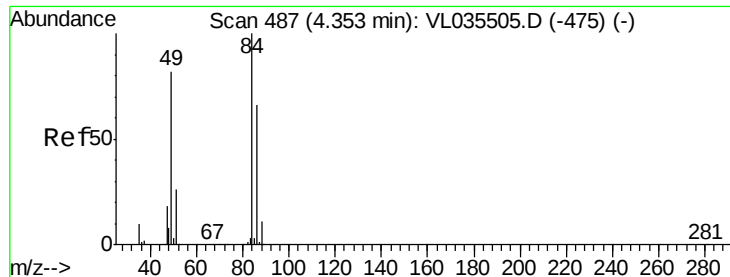
54 12.3 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

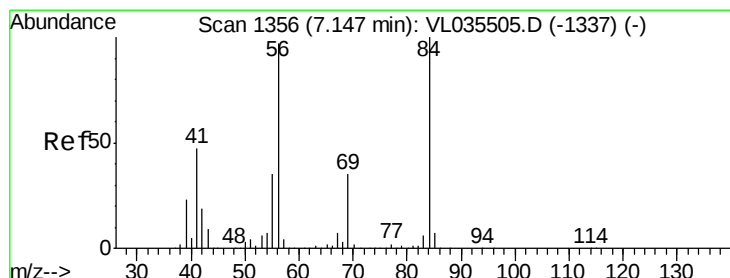
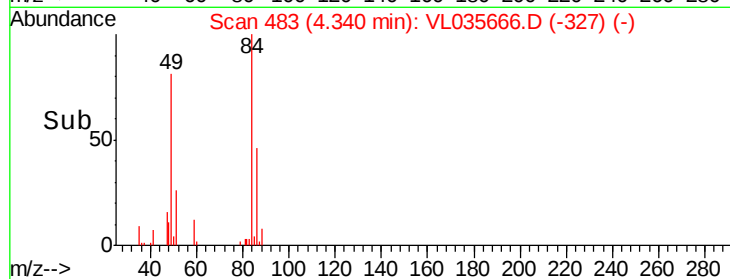
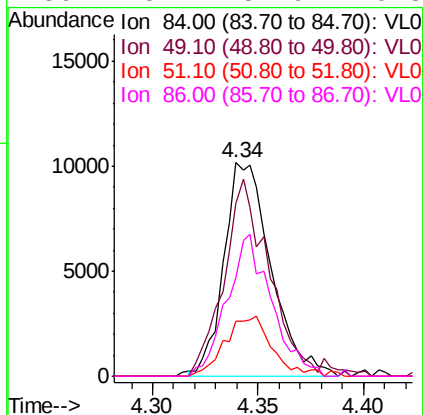
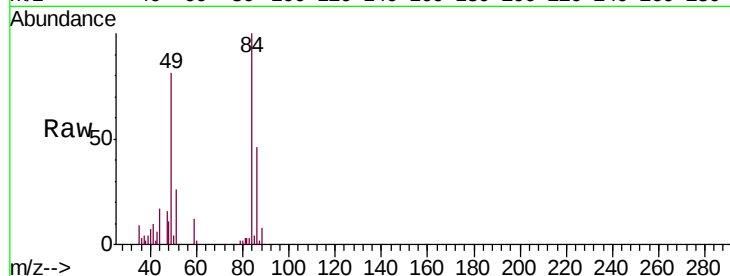




#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

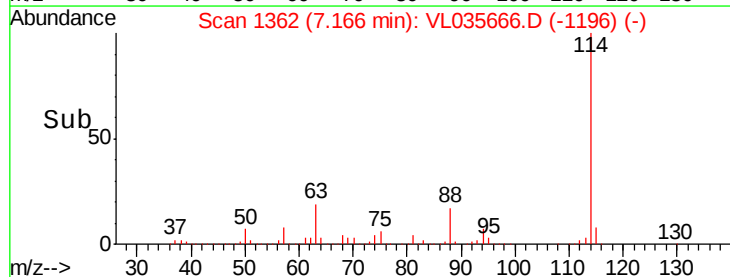
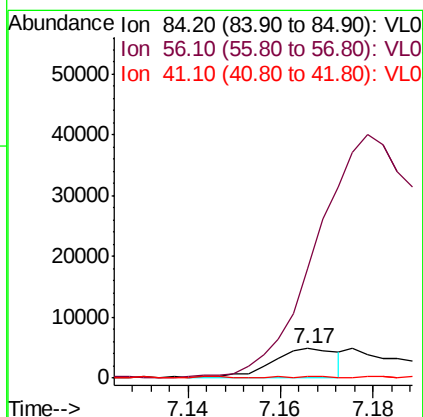
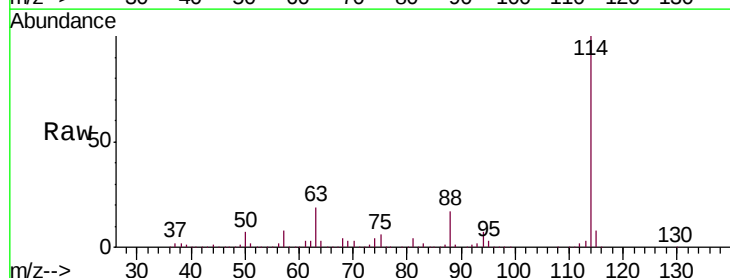
Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

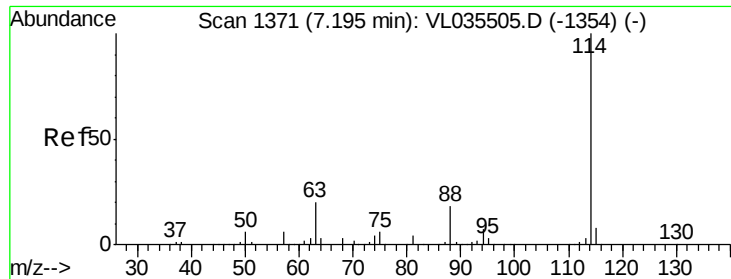
Tgt Ion:	84	Resp:	15761
Ion	Ratio	Lower	Upper
84	100		
49	81.2	65.4	98.0
51	25.7	21.5	32.3
86	46.4	52.9	79.3#



#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.04 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

Tgt Ion:	84	Resp:	4859
Ion	Ratio	Lower	Upper
84	100		
56	0.0	80.1	120.1#
41	0.0	38.1	57.1#

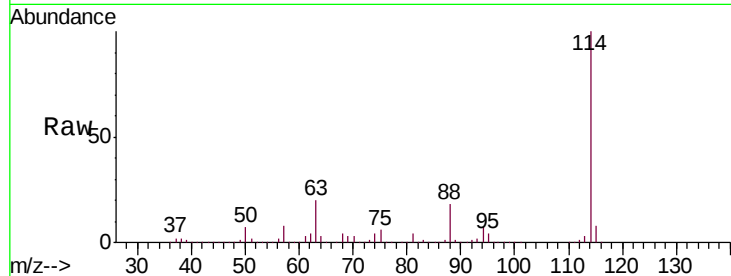




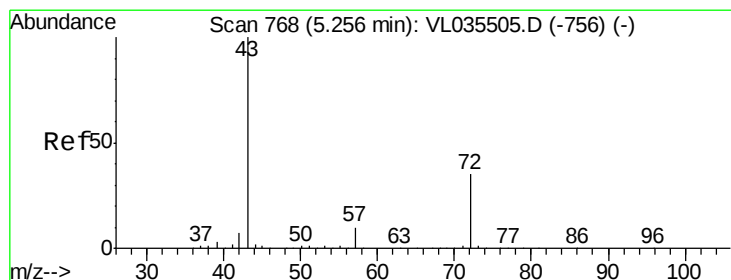
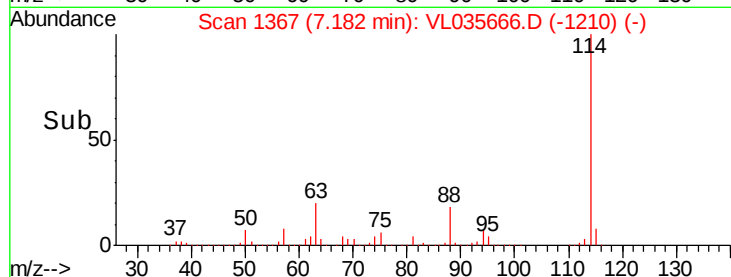
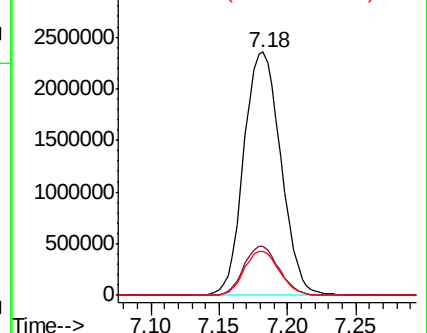
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Tgt Ion: 114 Resp: 4447077
 Ion Ratio Lower Upper
 114 100
 63 19.2 14.7 22.1
 88 17.3 13.4 20.2

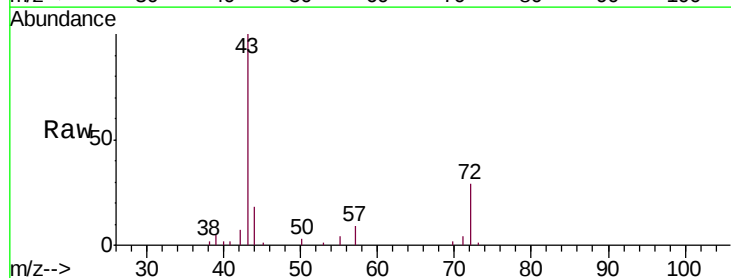


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

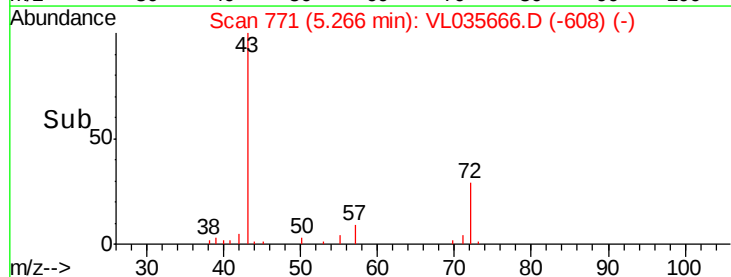
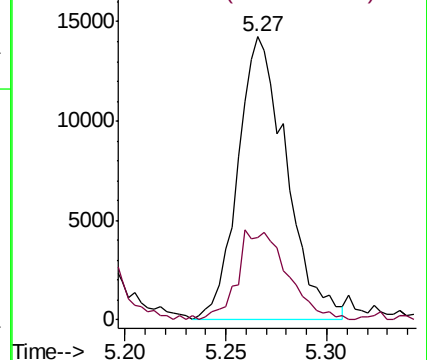


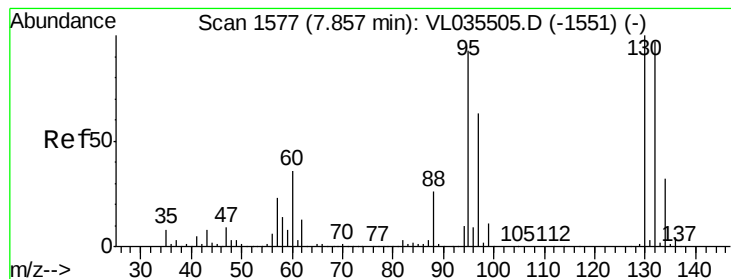
#34
 2-Butanone
 Concen: 0.183 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL035666.D
 Acq: 17 Sep 2020 21:20

Tgt Ion: 43 Resp: 24092
 Ion Ratio Lower Upper
 43 100
 72 32.2 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#38

Trichloroethene

Concen: 0.082 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL035666.D

Acq: 17 Sep 2020 21:20

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

Tgt Ion: 130 Resp: 13794

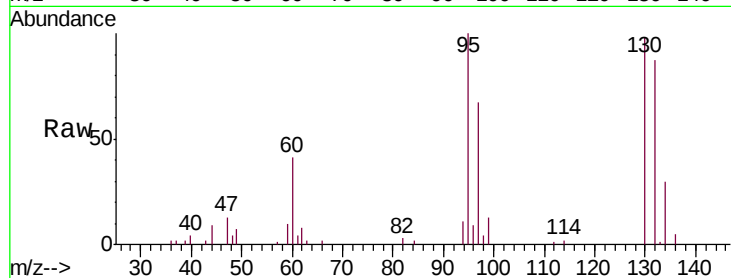
Ion Ratio Lower Upper

130 100

95 101.9 74.6 112.0

132 87.2 77.6 116.4

97 68.4 50.6 76.0

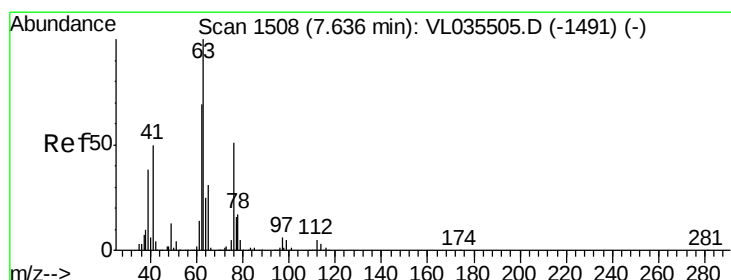
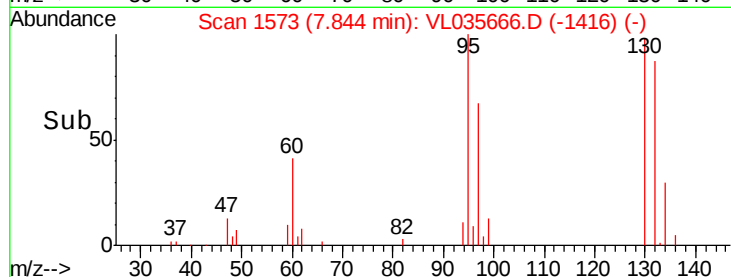
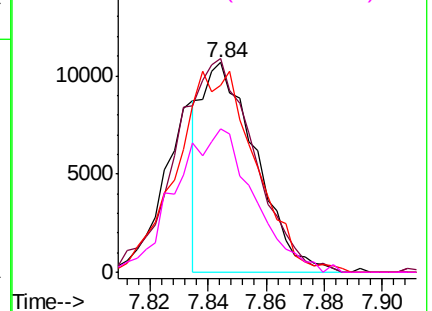


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.772 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL035666.D

Acq: 17 Sep 2020 21:20

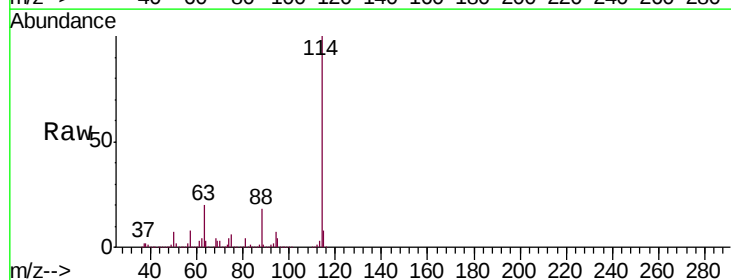
Tgt Ion: 63 Resp: 853003

Ion Ratio Lower Upper

63 100

41 0.1 40.0 60.0#

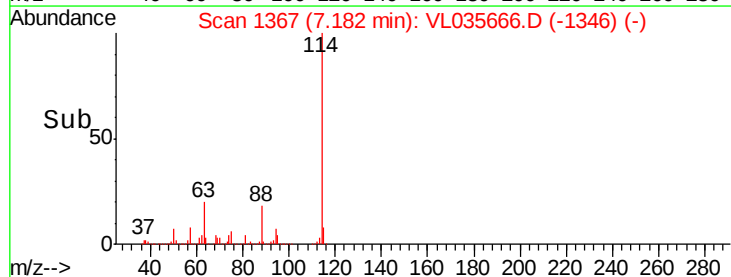
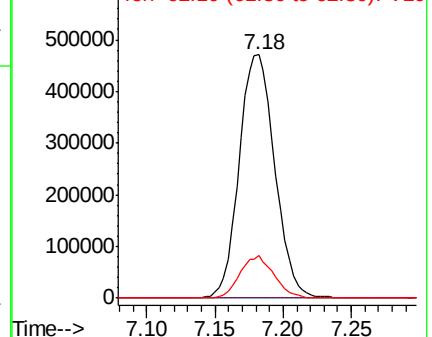
62 17.6 55.4 83.0#

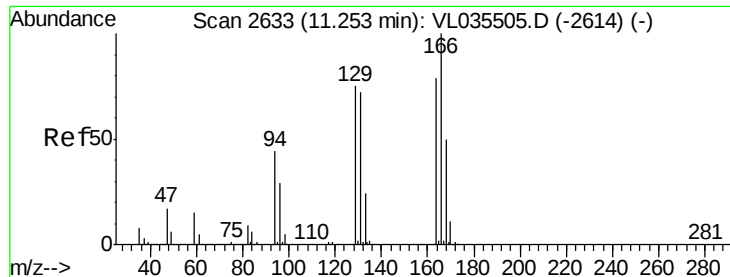


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 10.407 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL035666.D

Acq: 17 Sep 2020 21:20

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

Tgt Ion:164 Resp: 1750136

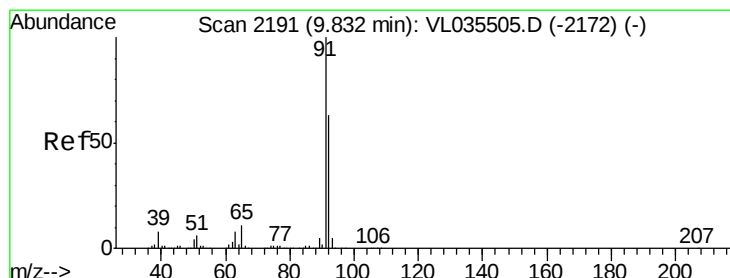
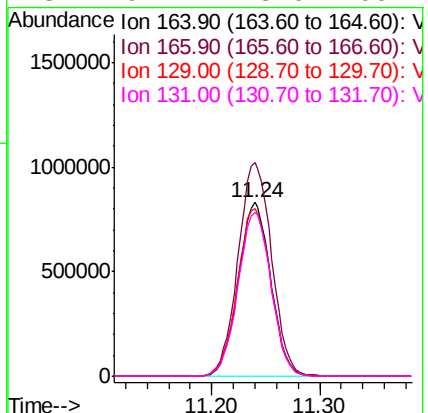
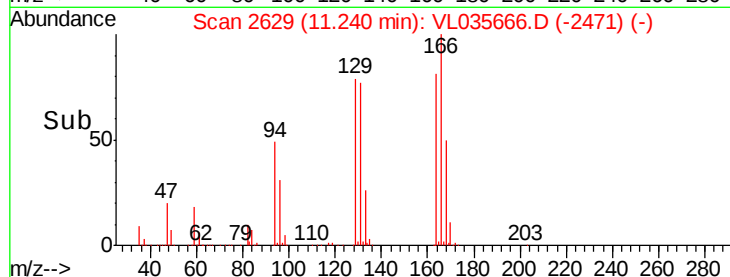
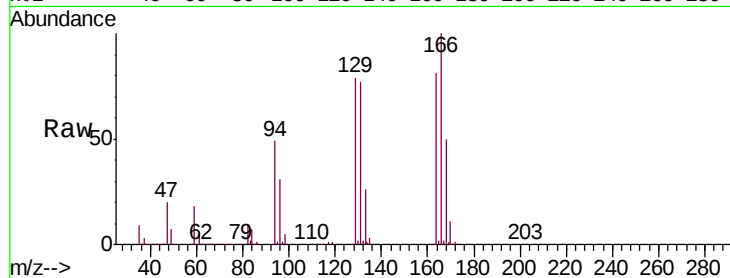
Ion Ratio Lower Upper

164 100

166 123.0 100.9 151.3

129 96.6 75.3 112.9

131 94.1 73.0 109.4



#53

Toluene

Concen: 0.040 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035666.D

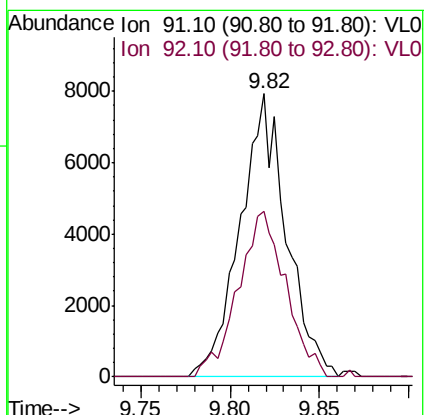
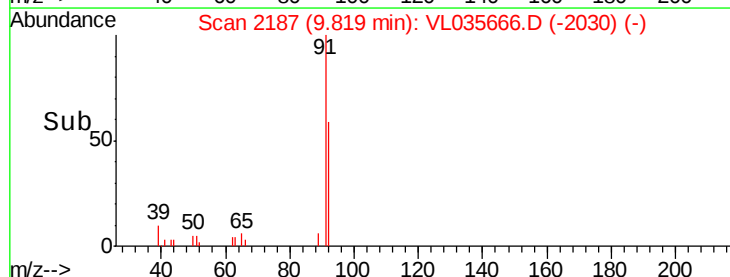
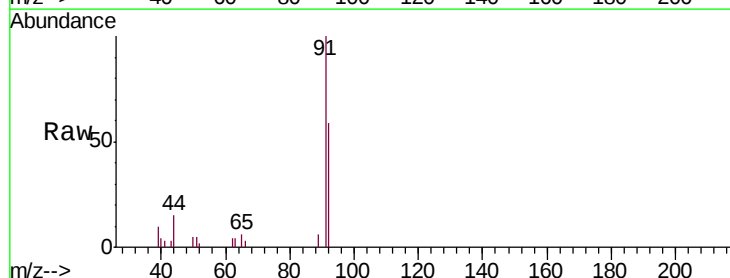
Acq: 17 Sep 2020 21:20

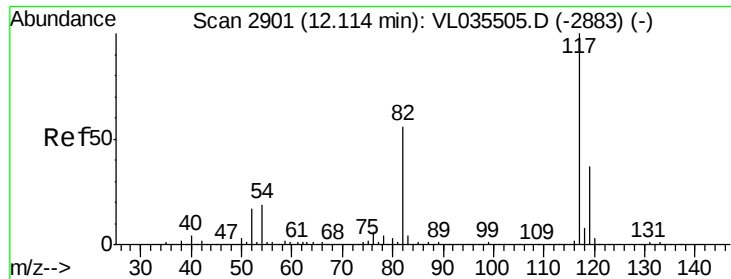
Tgt Ion: 91 Resp: 14391

Ion Ratio Lower Upper

91 100

92 60.4 49.8 74.8

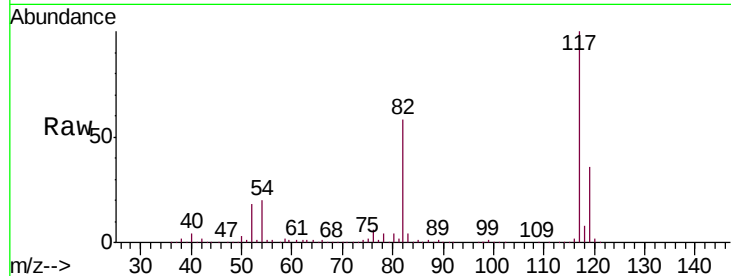




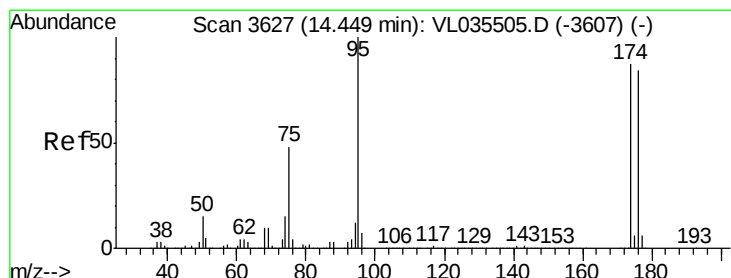
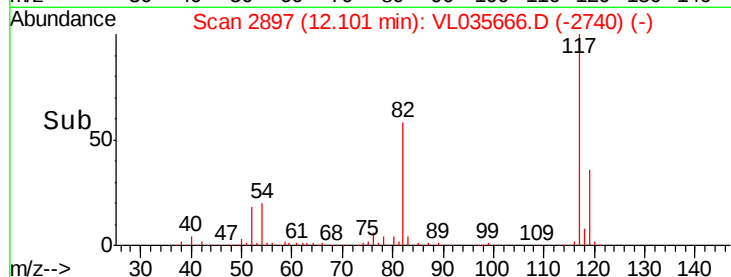
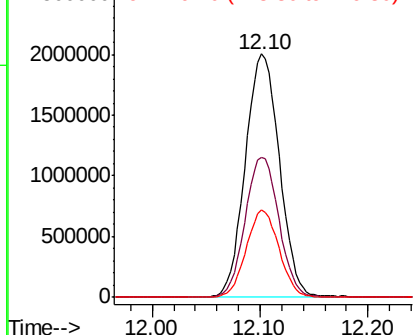
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

Instrument :
MSVOA_L
ClientSampled :
SV-7DL

Tgt Ion: 117 Resp: 4410366
Ion Ratio Lower Upper
117 100
82 57.4 41.6 62.4
119 34.8 29.3 43.9

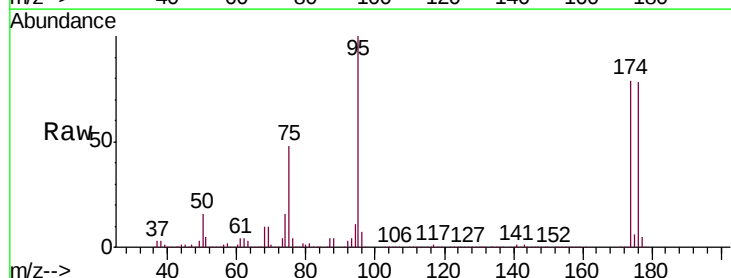


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.267 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL035666.D
Acq: 17 Sep 2020 21:20

Tgt Ion: 95 Resp: 3215686
Ion Ratio Lower Upper
95 100
174 78.8 69.6 104.4
175 5.6 5.1 7.7



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

