

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035815.D
 Acq On : 3 Nov 2020 22:40
 Operator : SY/AP
 Sample : L4604-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 04 05:17:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1190333	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	5248158	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4806502	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3370807	9.87	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

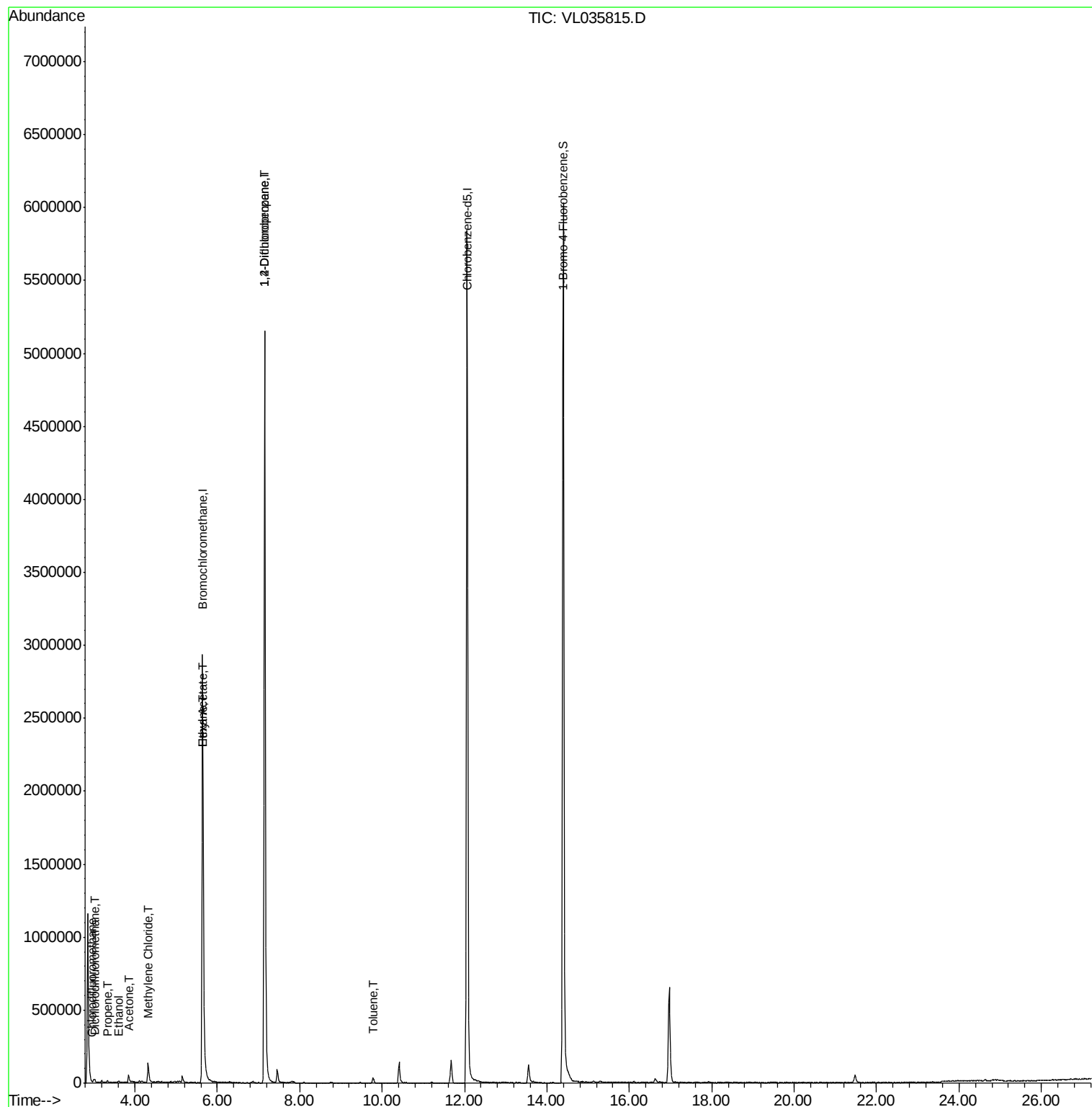
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	12482	0.056	ppbv	98
3) Chlorodifluoromethane	2.96	51	5206	0.037	ppbv	100
9) Propene	3.34	41	2575	0.049	ppbv	84
13) Ethanol	3.60	45	12011	1.061	ppbv	97
15) Acetone	3.84	43	42493	0.334	ppbv #	57
20) Methylene Chloride	4.32	84	75709	0.845	ppbv	92
25) Ethyl Acetate	5.66	43	31399	0.125	ppbv #	73
26) Hexane	5.66	57	59305	0.429	ppbv #	46
39) 1,2-Dichloropropane	7.15	63	948599	7.221	ppbv #	30
53) Toluene	9.78	91	34195	0.073	ppbv	97

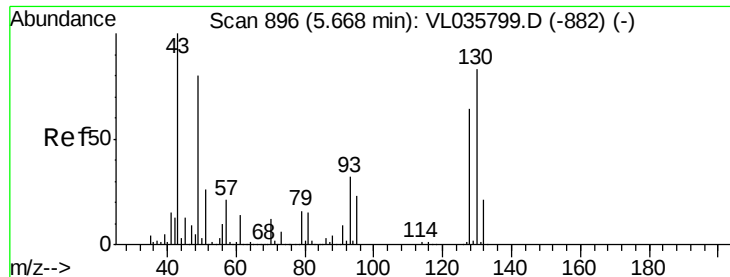
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 04 05:17:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL035815.D

Acq: 3 Nov 2020 22:40

Instrument :
MSVOA_L
ClientSampleId :

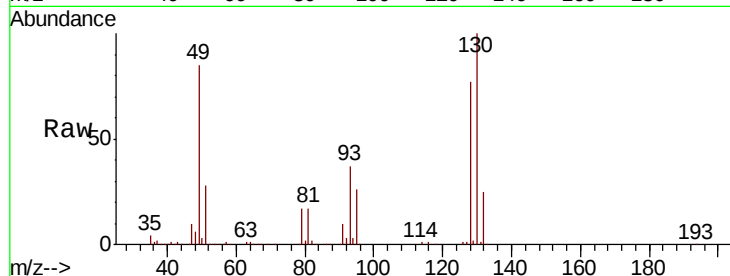
Tot Ion: 49 Resp: 1190333

Ion Ratio Lower Upper

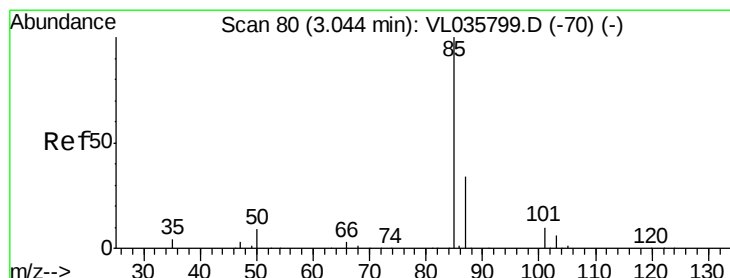
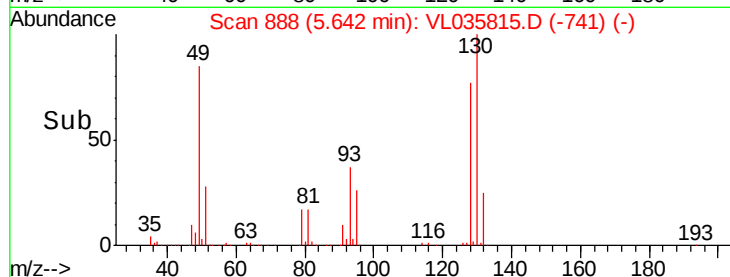
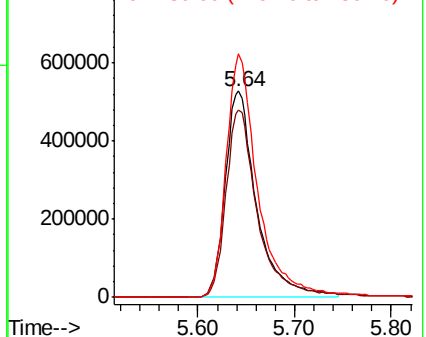
49 100

128 94.0 41.5 124.6

130 120.7 53.7 161.1



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



#2

Dichlorodifluoromethane

Concen: 0.056 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035815.D

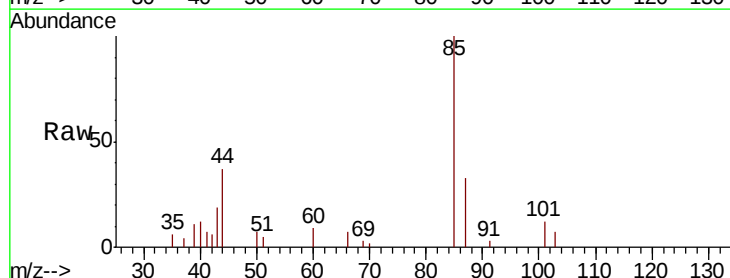
Acq: 3 Nov 2020 22:40

Tgt Ion: 85 Resp: 12482

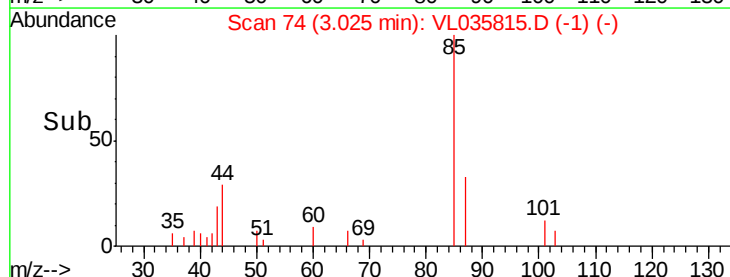
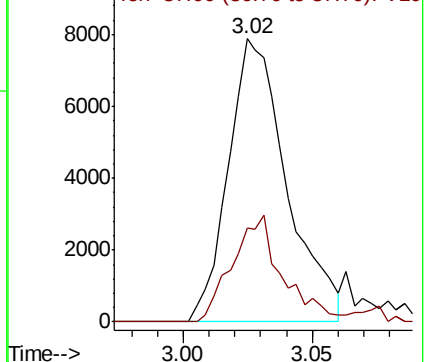
Ion Ratio Lower Upper

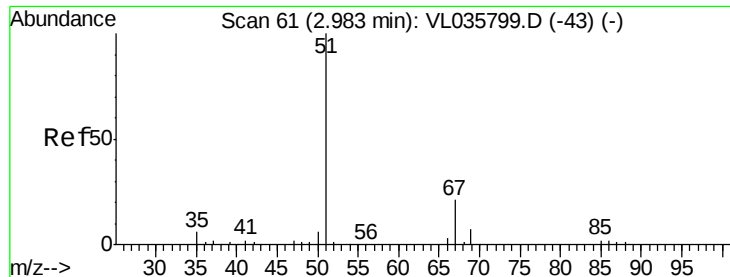
85 100

87 33.0 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.037 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035815.D

Acq: 3 Nov 2020 22:40

Instrument :

MSVOA_L

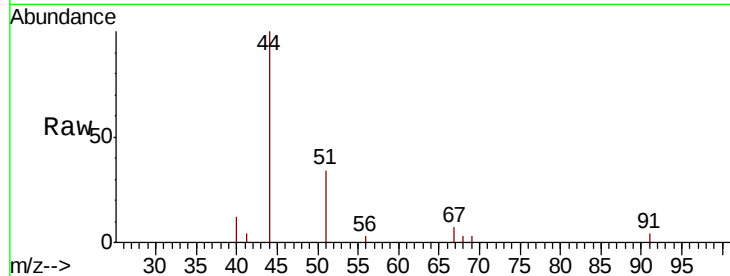
ClientSampleId :

Tot Ion: 51 Resp: 5206

Ion Ratio Lower Upper

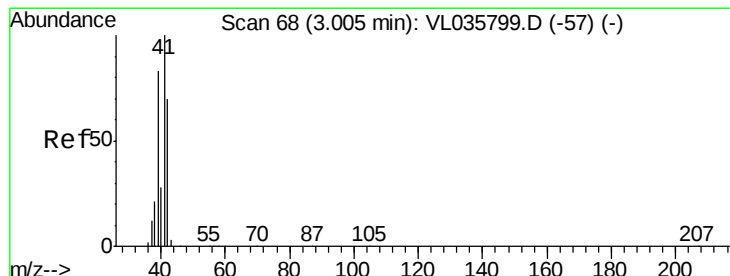
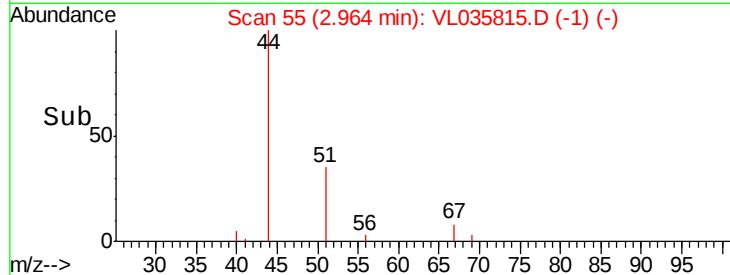
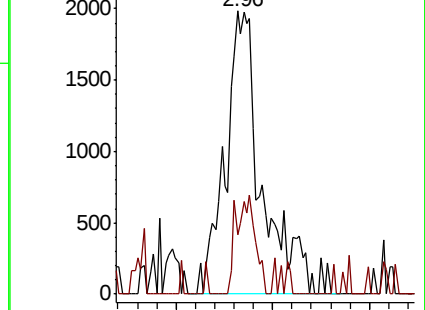
51 100

67 21.4 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.049 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.33 min

Lab File: VL035815.D

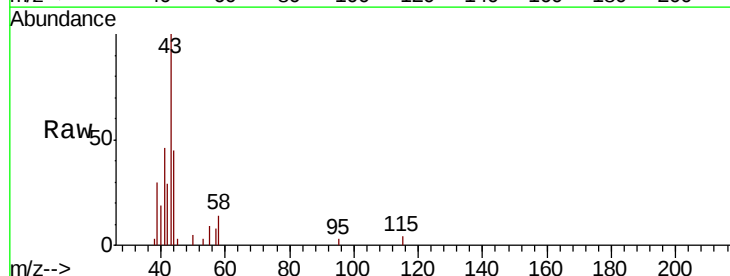
Acq: 3 Nov 2020 22:40

Tgt Ion: 41 Resp: 2575

Ion Ratio Lower Upper

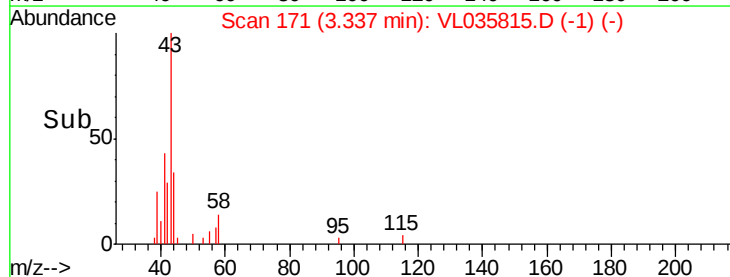
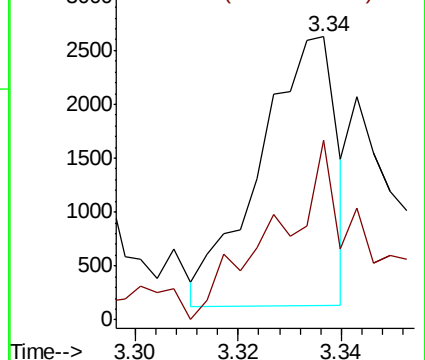
41 100

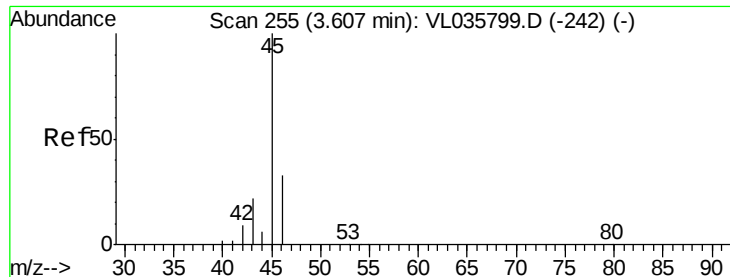
42 83.4 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.061 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035815.D

Acq: 3 Nov 2020 22:40

Instrument :

MSVOA_L

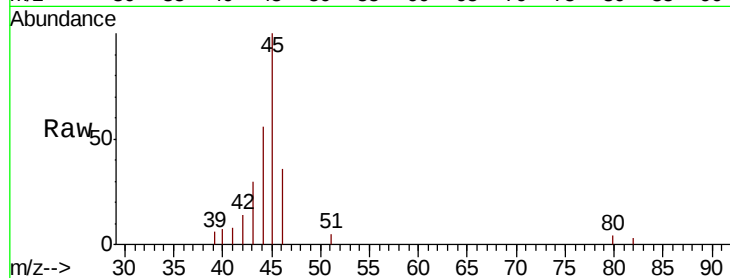
ClientSampleId :

Tot Ion: 45 Resp: 12011

Ion Ratio Lower Upper

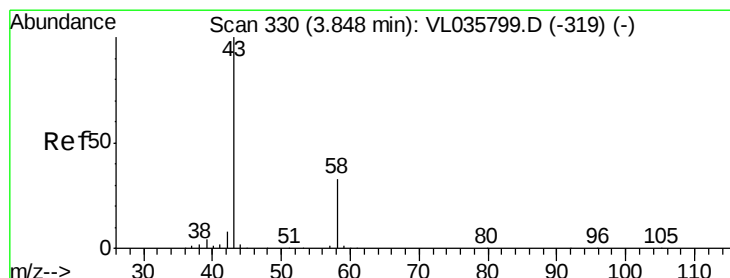
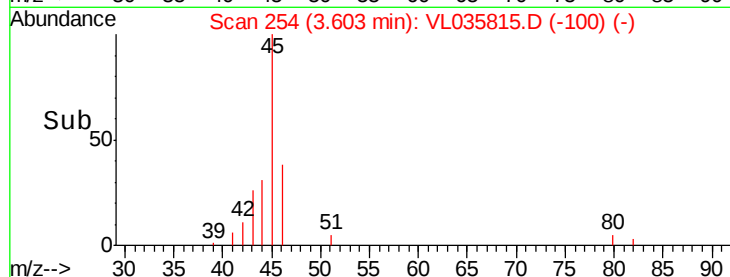
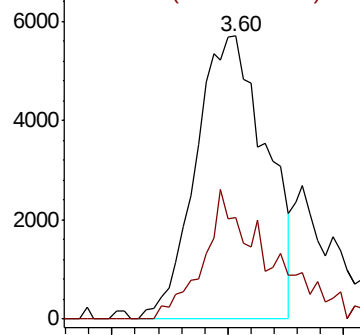
45 100

46 42.4 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.334 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035815.D

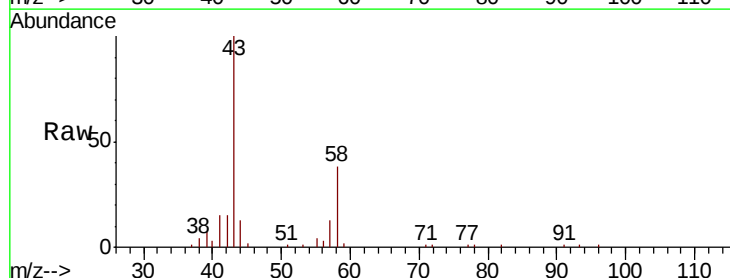
Acq: 3 Nov 2020 22:40

Tgt Ion: 43 Resp: 42493

Ion Ratio Lower Upper

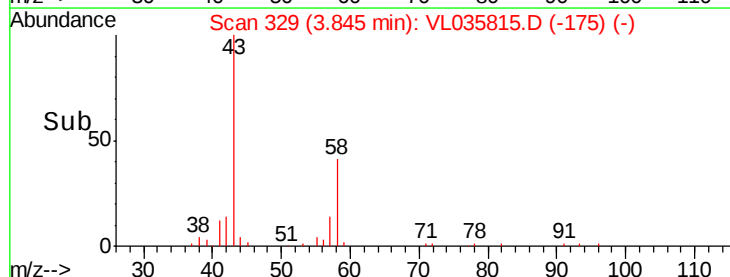
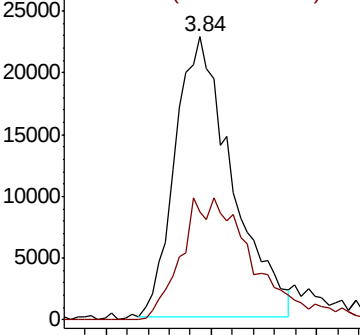
43 100

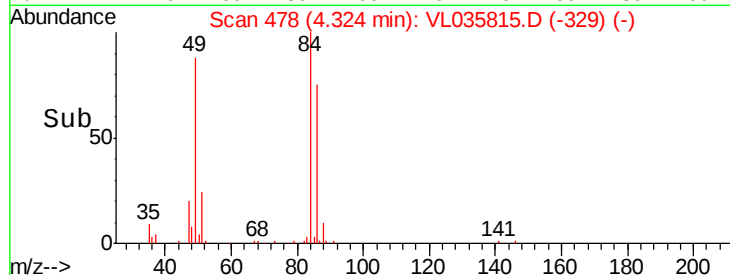
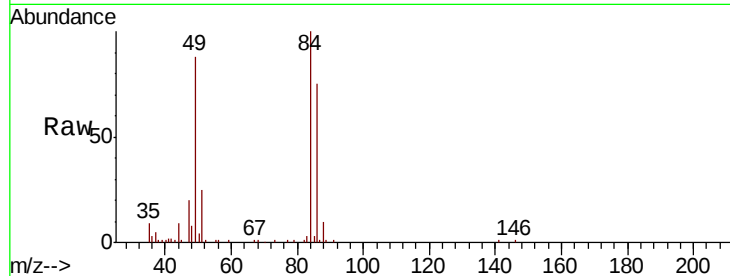
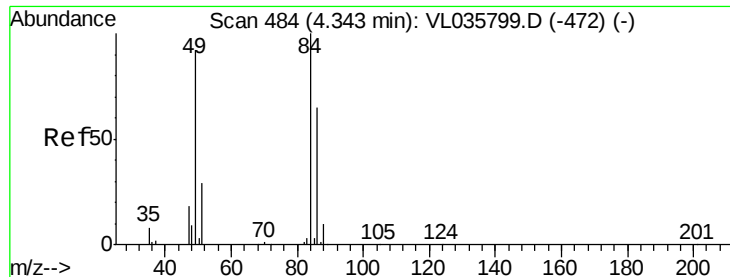
58 59.0 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

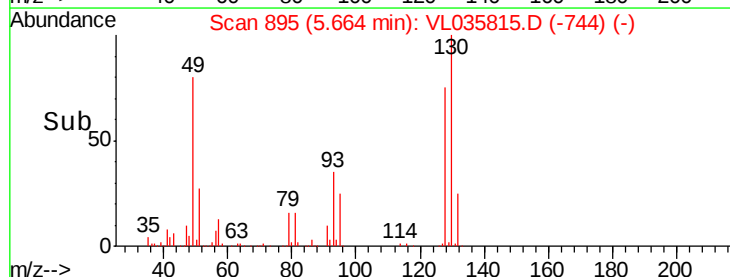
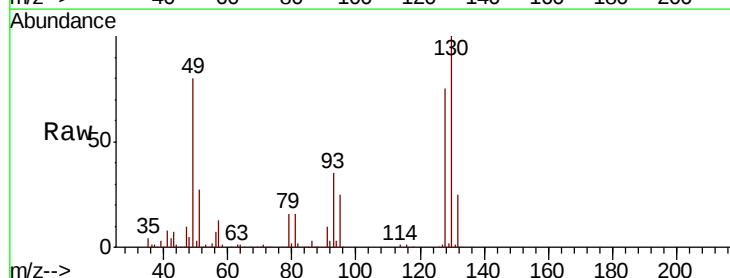
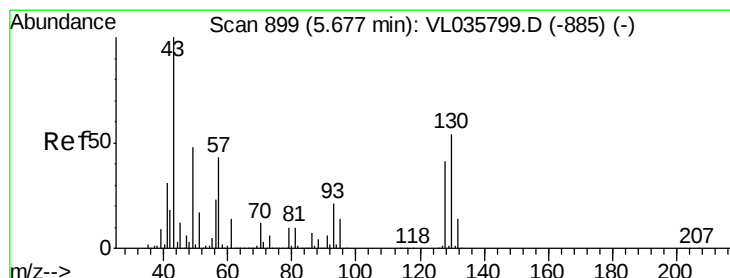
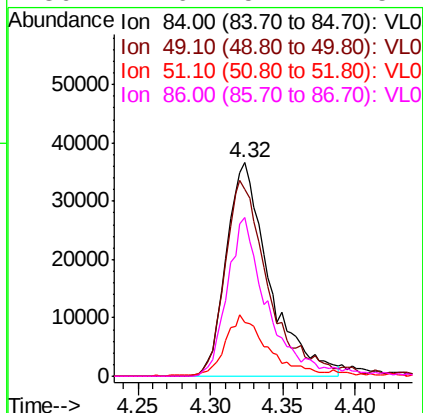




#20
Methvlene Chloride
Concen: 0.845 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL035815.D
Acq: 3 Nov 2020 22:40

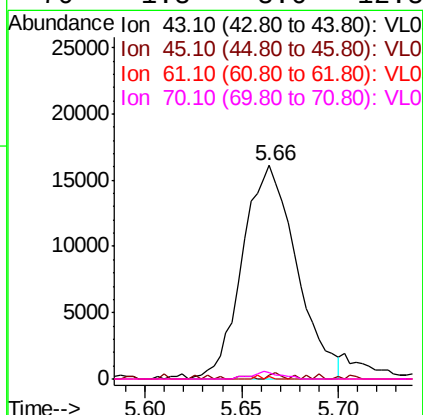
Instrument :
MSVOA_L
ClientSampleId :

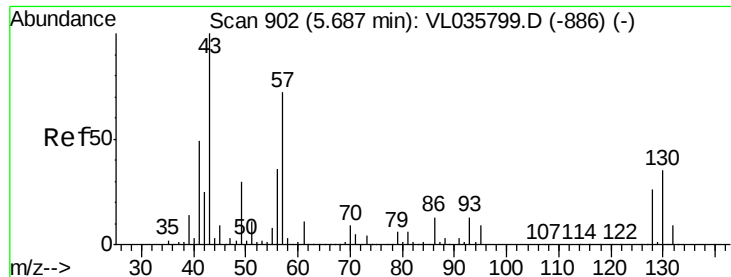
Tot Ion:	84	Resp:	75709
Ion	Ratio	Lower	Upper
84	100		
49	87.6	73.8	110.8
51	24.5	23.0	34.4
86	74.6	52.1	78.1



#25
Ethyl Acetate
Concen: 0.125 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035815.D
Acq: 3 Nov 2020 22:40

Tgt Ion:	43	Resp:	31399
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.5	12.7#
61	0.3	10.7	16.1#
70	1.8	8.6	12.8#

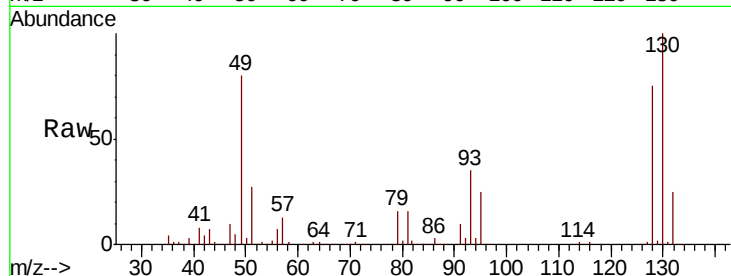




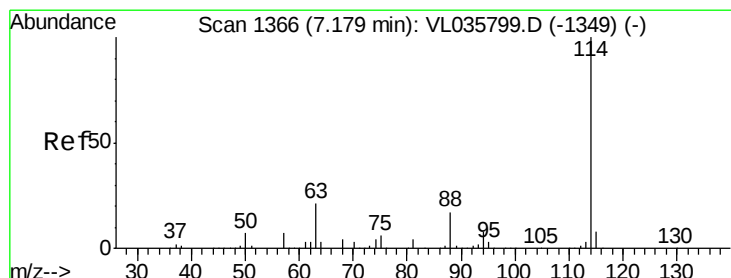
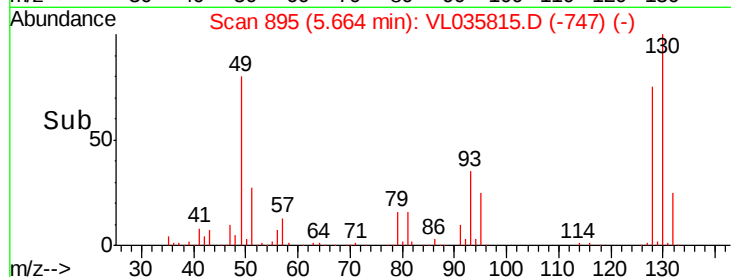
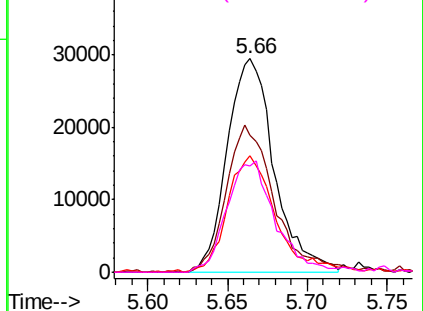
#26
Hexane
Concen: 0.429 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035815.D
Acq: 3 Nov 2020 22:40

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 59305
Ion Ratio Lower Upper
57 100
41 72.0 58.9 88.3
43 56.9 150.2 225.2#
56 54.0 42.4 63.6

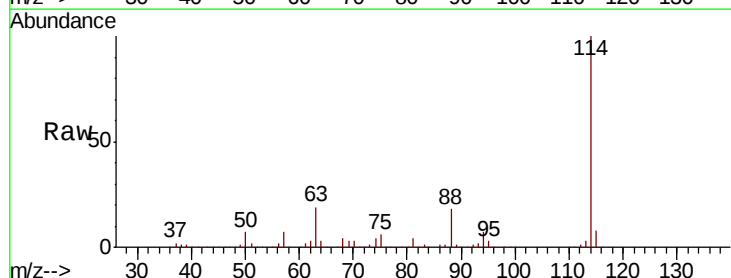


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

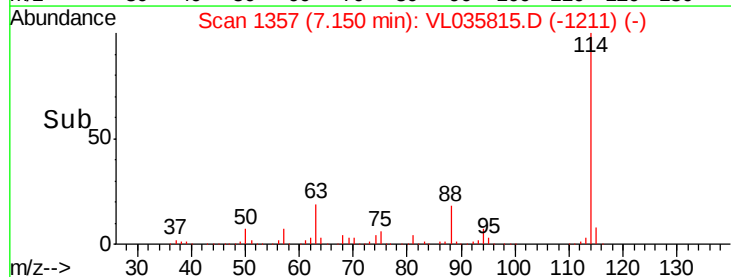
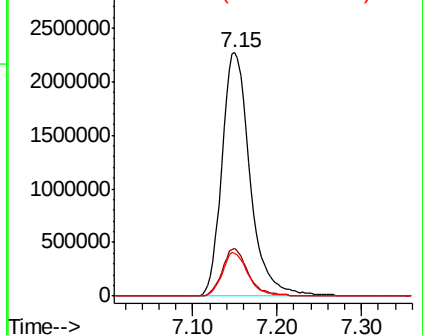


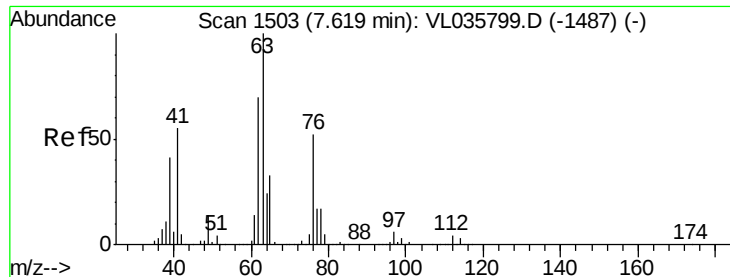
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL035815.D
Acq: 3 Nov 2020 22:40

Tgt Ion: 114 Resp: 5248158
Ion Ratio Lower Upper
114 100
63 18.3 16.1 24.1
88 16.7 13.7 20.5



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

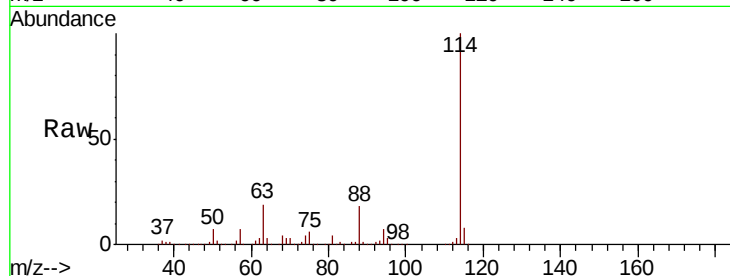




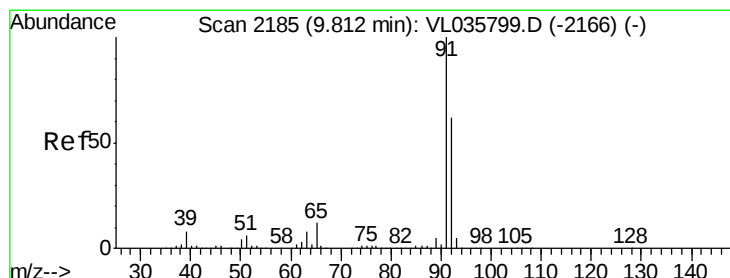
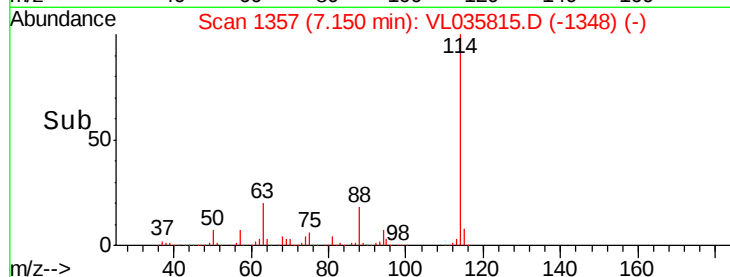
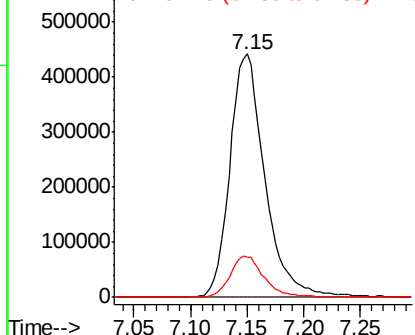
#39
 1,2-Dichloropropane
 Concen: 7.221 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL035815.D
 Acq: 3 Nov 2020 22:40

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion	63	Resp	948599
Ion Ratio	100	Lower	Upper
41	0.0	43.8	65.6#
62	16.7	56.2	84.2#

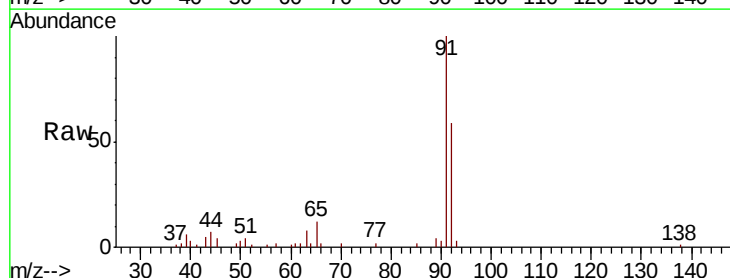


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

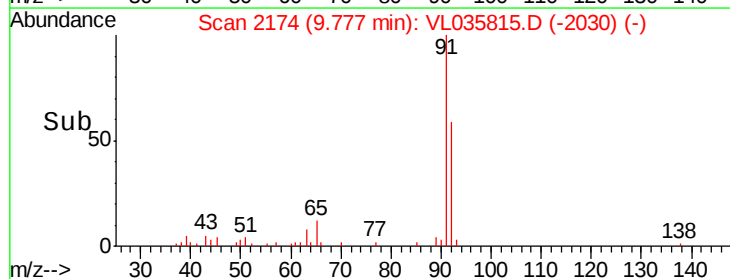
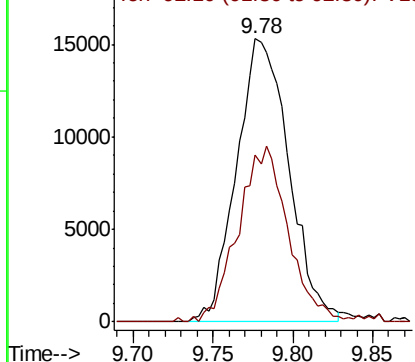


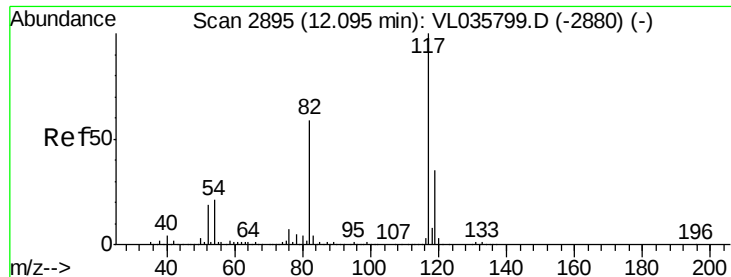
#53
 Toluene
 Concen: 0.073 ppbv
 RT: 9.78 min Scan# 2174
 Delta R.T. -0.04 min
 Lab File: VL035815.D
 Acq: 3 Nov 2020 22:40

Tgt Ion	91	Resp	34195
Ion Ratio	100	Lower	Upper
92	60.2	49.8	74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035815.D

Acq: 3 Nov 2020 22:40

Instrument :

MSVOA_L

ClientSampled :

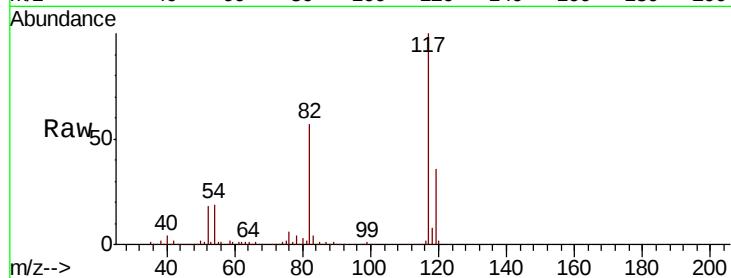
Tot Ion:117 Resp: 4806502

Ion Ratio Lower Upper

117 100

82 55.7 50.6 76.0

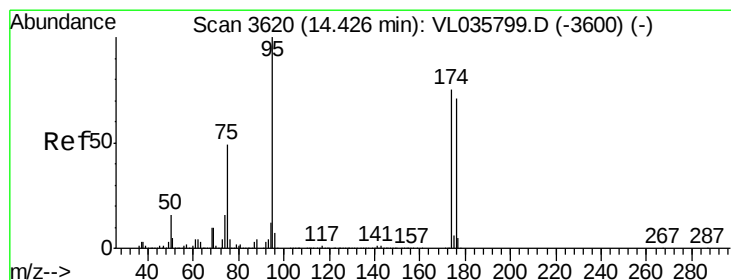
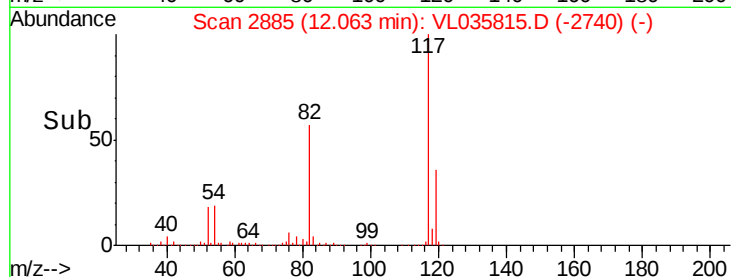
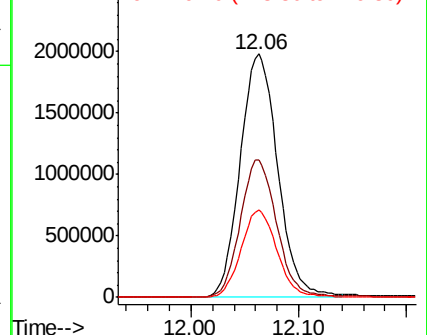
119 35.0 52.6 78.8#



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: 9.871 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035815.D

Acq: 3 Nov 2020 22:40

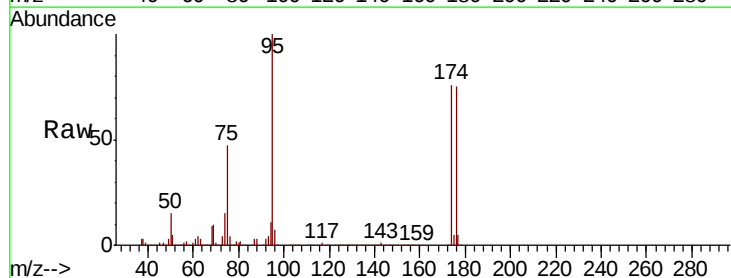
Tgt Ion: 95 Resp: 3370807

Ion Ratio Lower Upper

95 100

174 79.6 59.8 89.6

175 5.7 4.3 6.5



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

