

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035155.D
 Acq On : 6 Jul 2020 21:06
 Operator : SY/AP
 Sample : L3190-03 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02

Quant Time: Jul 07 06:02:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1062272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2516715	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2306322	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1955625	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

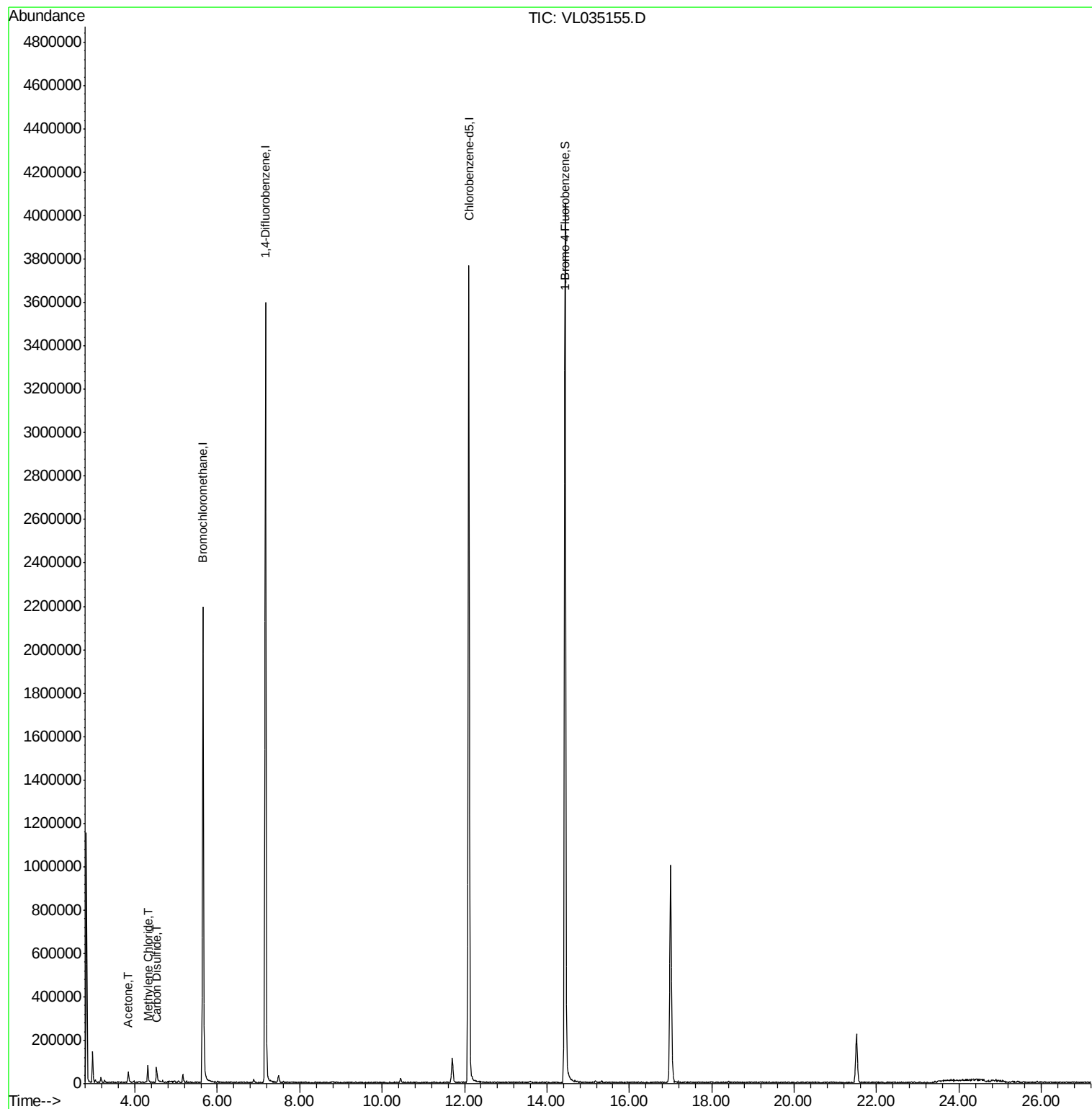
Target Compounds					Ovalue
15) Acetone	3.84	43	42351	0.330 ppbv #	66
20) Methylene Chloride	4.32	84	23787	0.458 ppbv	91
27) Carbon Disulfide	4.52	76	73682	0.681 ppbv #	89

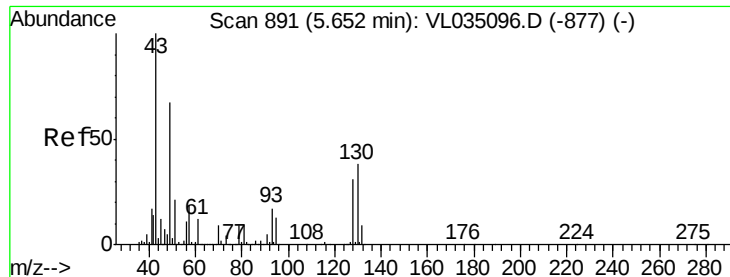
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL035155.D

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Instrument :

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ClientSampleId :

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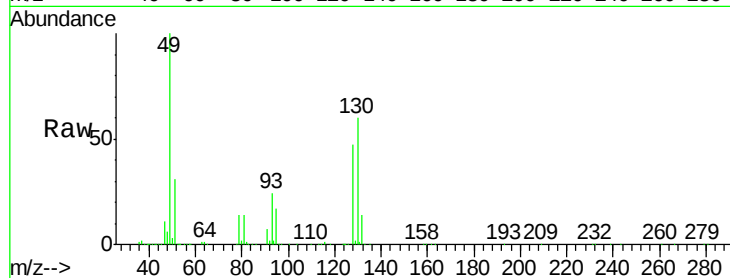
Tot Ion: 49 Resp: 1062272

Ion Ratio Lower Upper

49 100

128 47.9 22.9 68.5

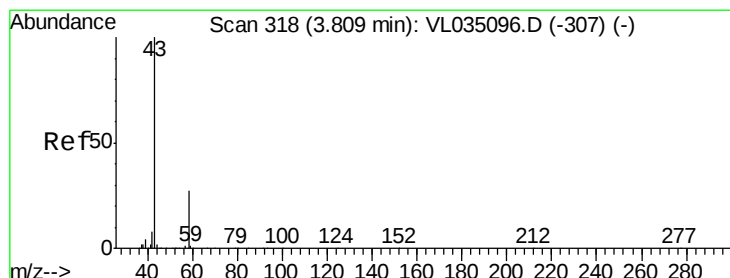
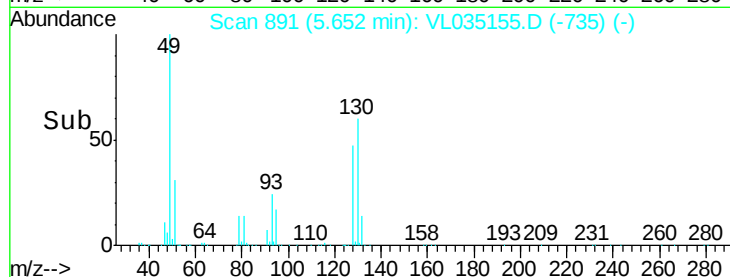
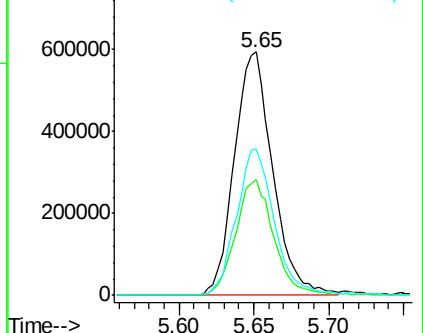
130 60.3 29.0 87.0



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



#15

Acetone

Concen: 0.330 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.03 min

Lab File: VL035155.D

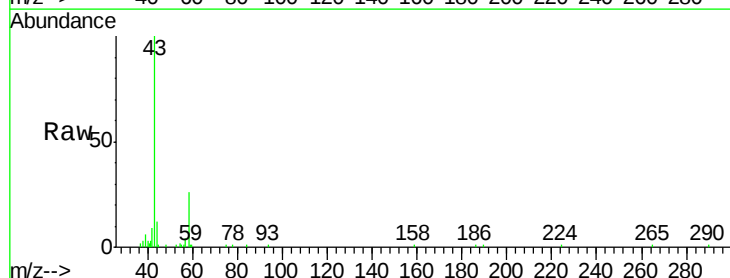
Acq: 6 Jul 2020 21:06

Tgt Ion: 43 Resp: 42351

Ion Ratio Lower Upper

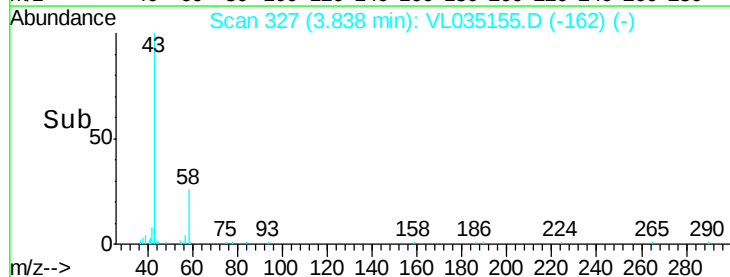
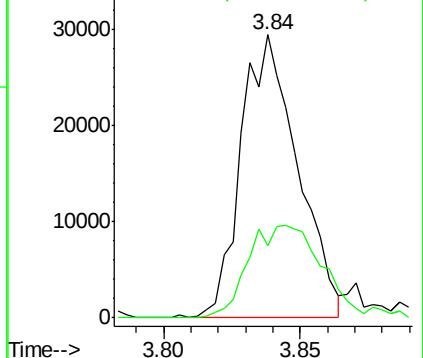
43 100

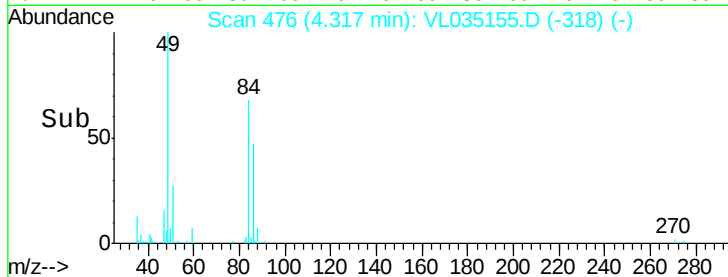
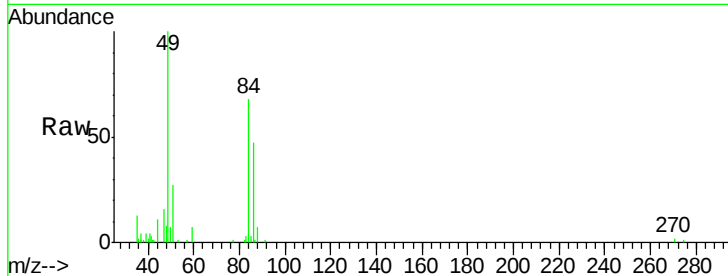
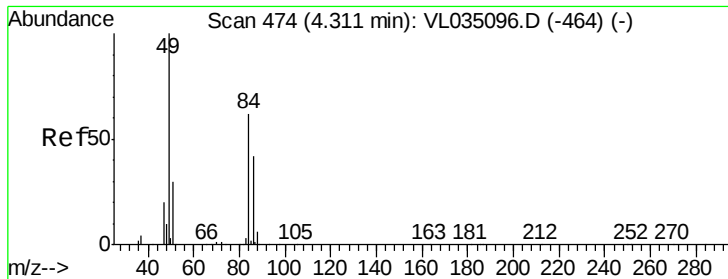
58 44.8 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

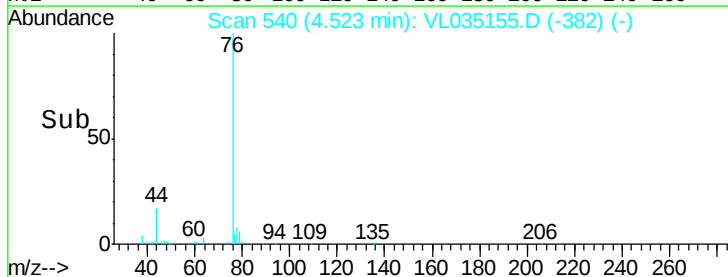
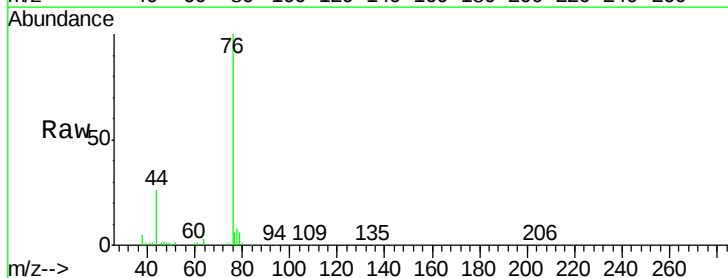
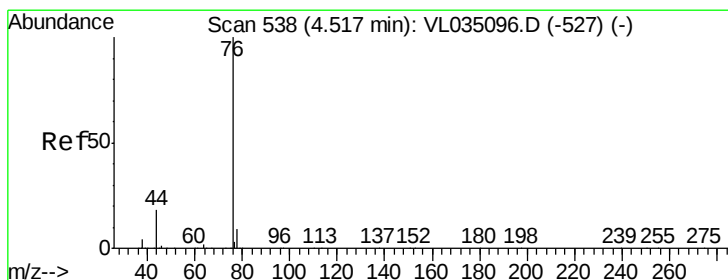
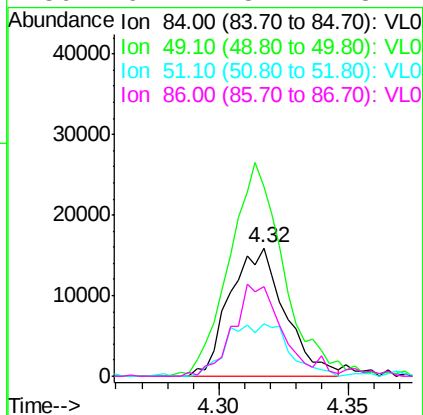




#20
Methylene Chloride
Concen: 0.458 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.01 min
Lab File: VL035155.D
Acq: 6 Jul 2020 21:06

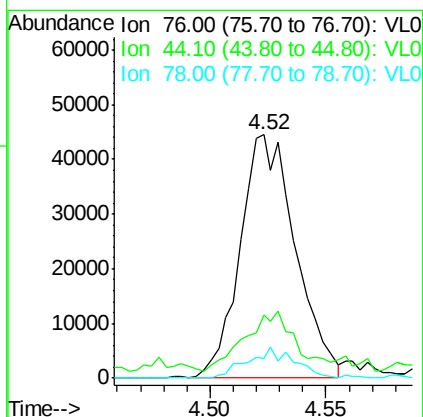
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

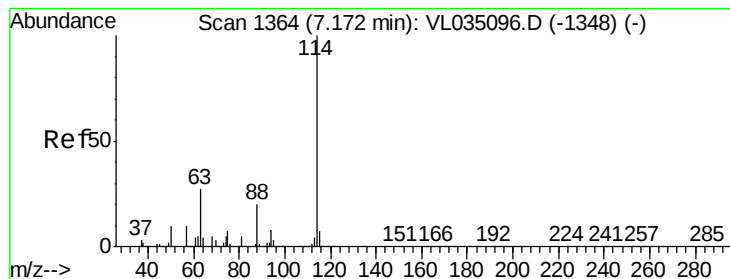
Tot Ion:	84	Resp:	23787
Ion	Ratio	Lower	Upper
84	100		
49	145.7	128.8	193.2
51	40.6	38.7	58.1
86	67.2	54.1	81.1



#27
Carbon Disulfide
Concen: 0.681 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.01 min
Lab File: VL035155.D
Acq: 6 Jul 2020 21:06

Tgt Ion:	76	Resp:	73682
Ion	Ratio	Lower	Upper
76	100		
44	26.6	15.8	23.8#
78	10.8	7.6	11.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL035155.D

Acq: 6 Jul 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02

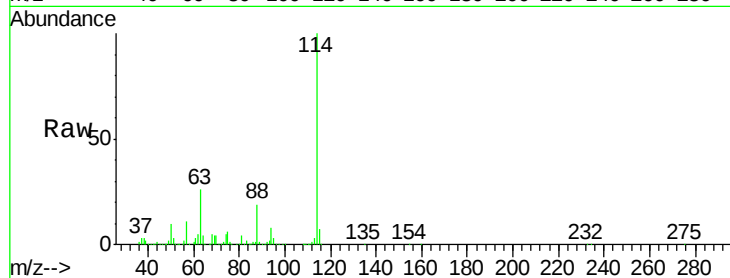
Tot Ion:114 Resp: 2516715

Ion Ratio Lower Upper

114 100

63 26.3 21.9 32.9

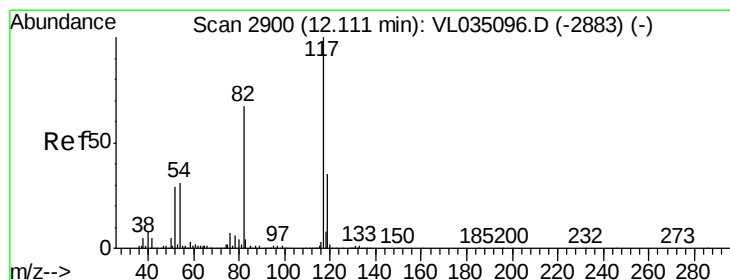
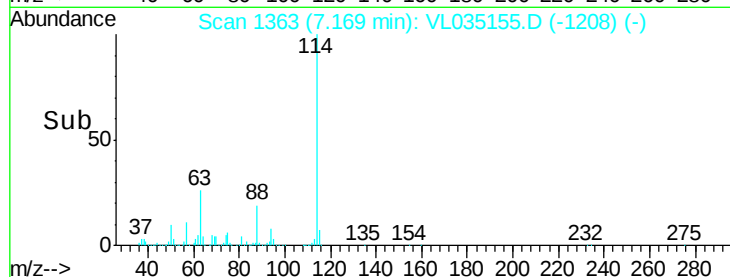
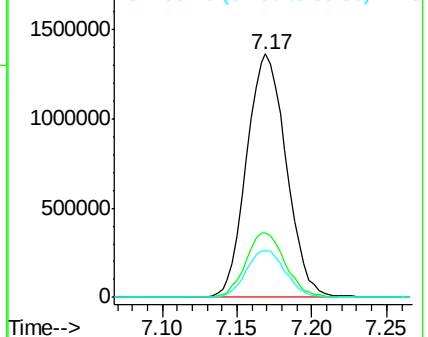
88 19.2 15.6 23.4



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035155.D

Acq: 6 Jul 2020 21:06

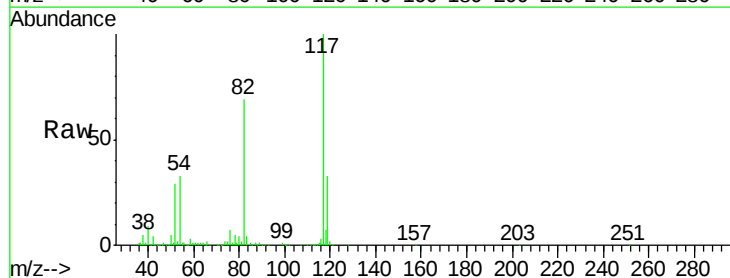
Tgt Ion:117 Resp: 2306322

Ion Ratio Lower Upper

117 100

82 69.3 50.4 75.6

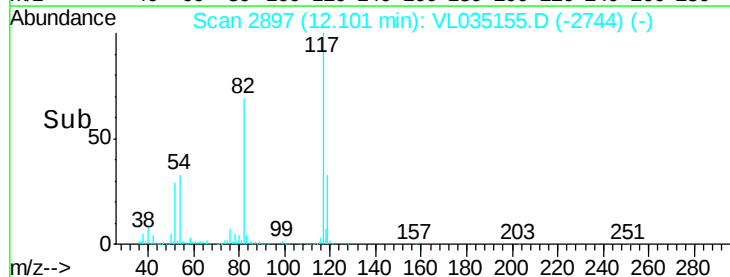
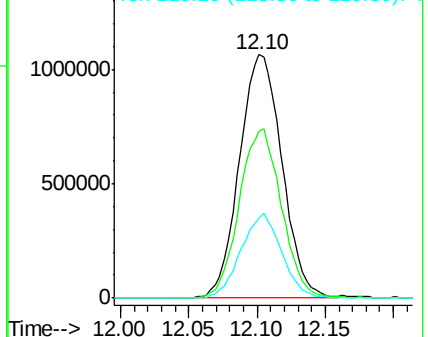
119 33.4 25.4 38.0

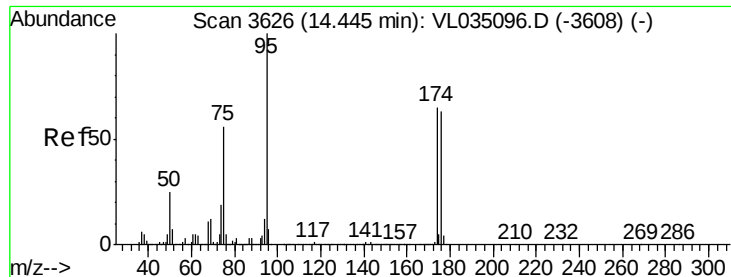


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.208 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035155.D

Acq: 6 Jul 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02

Tot Ion: 95 Resp: 1955625

Ion Ratio Lower Upper

95 100

174 65.8 52.2 78.2

175 4.9 4.0 6.0

