

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\
Quantitation Report (Not Reviewed)

Data File : VL033740.D
Acq On : 22 May 2019 11:31
Operator : SY/AP
Sample : VL0522ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABL01

Quant Time: May 23 04:18:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	999501	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2356412	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	2351583	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1889048	9.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	2240	0.020	ppbv	94
9) Propene	3.18	41	510	0.010	ppbv	98
11) Trichlorofluoromethane	3.88	101	3081	0.015	ppbv	96
20) Methylene Chloride	4.41	84	2387	0.045	ppbv #	37
39) 1,2-Dichloropropane	7.28	63	623037	7.796	ppbv #	23

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

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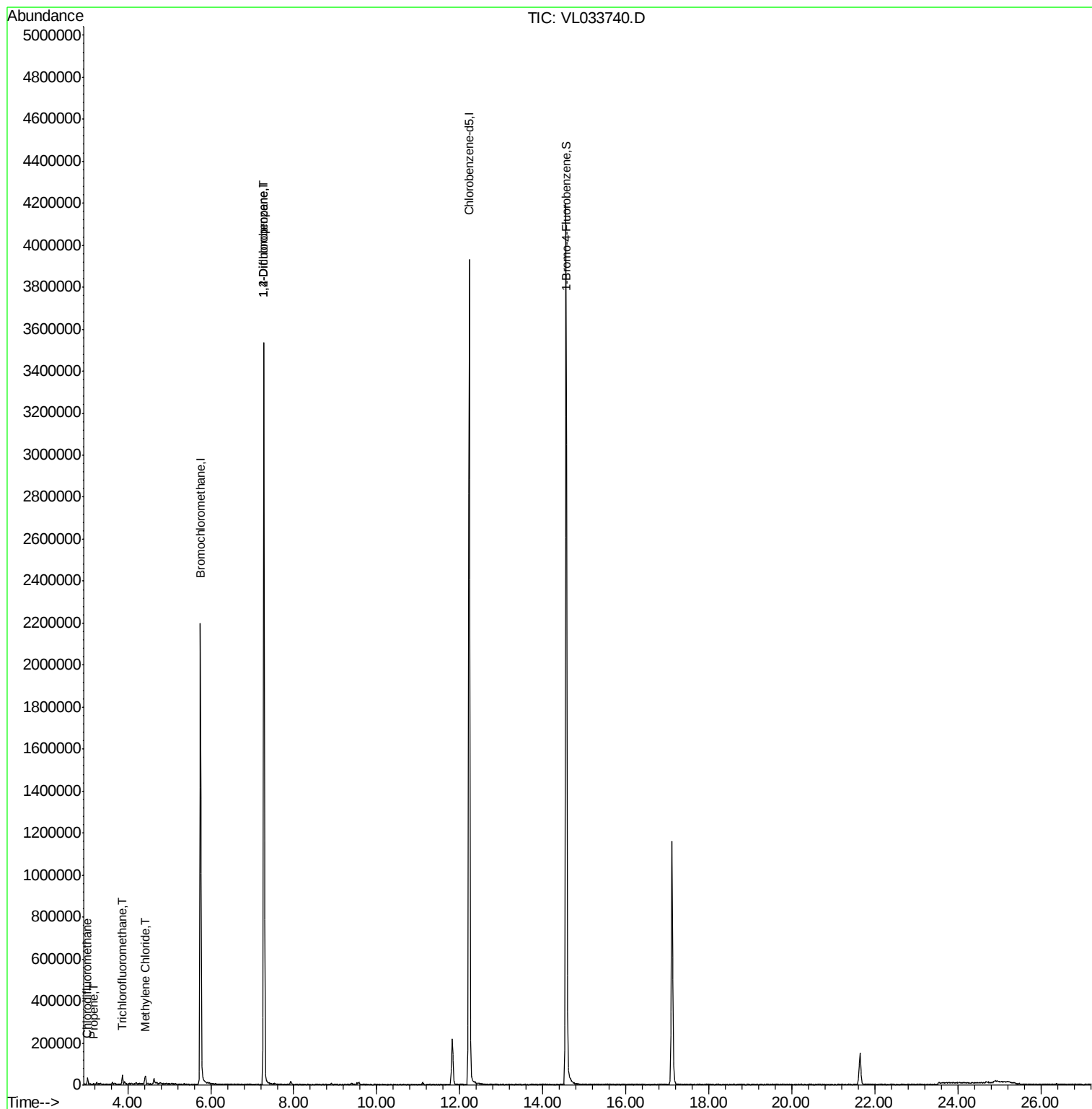
Quant Time: May 23 04:18:32 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

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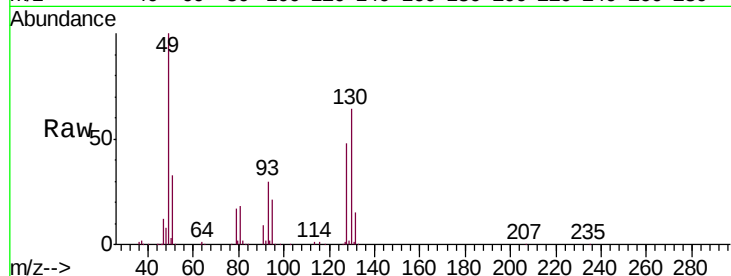
Tgt Ion: 49 Resp: 999501

Ion Ratio Lower Upper

49 100

128 49.8 25.2 75.6

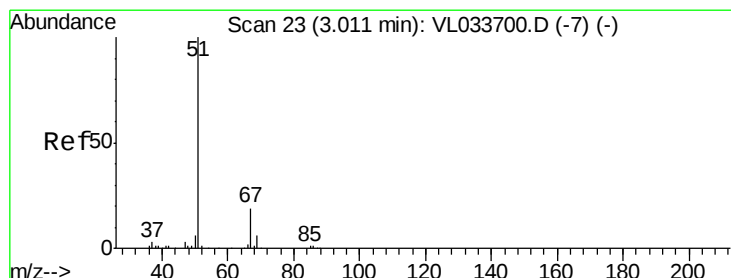
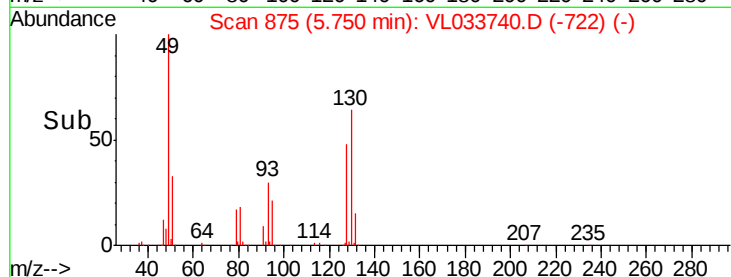
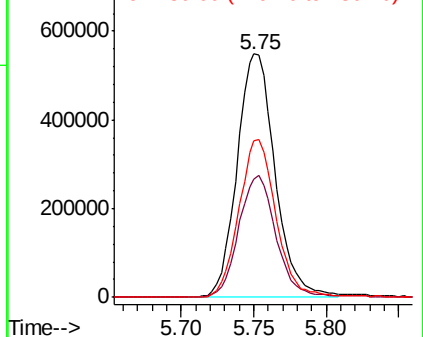
130 64.1 32.5 97.5



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



#3

Chlorodifluoromethane

Concen: 0.020 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033740.D

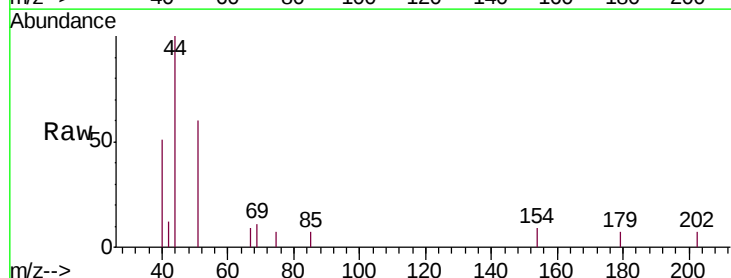
Acq: 22 May 2019 11:31

Tgt Ion: 51 Resp: 2240

Ion Ratio Lower Upper

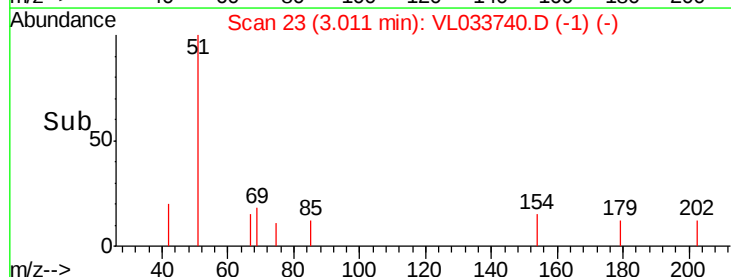
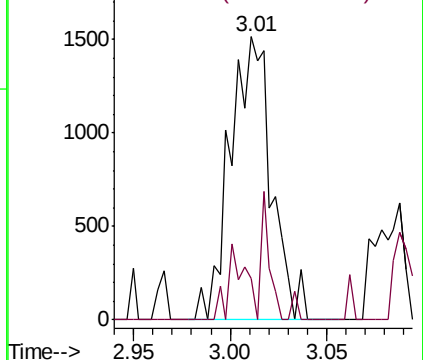
51 100

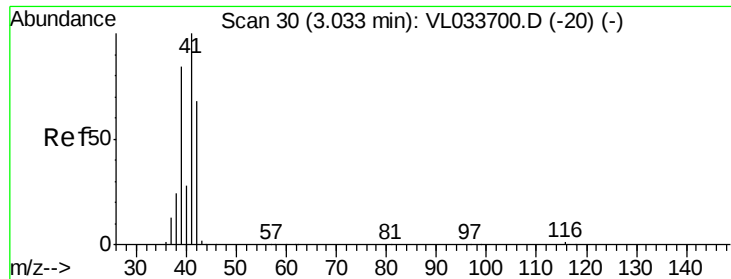
67 22.3 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.010 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.15 min

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ClientSampleId :

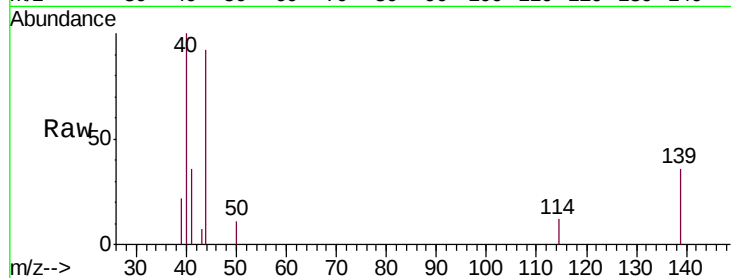
VL0522ABL01

Tgt Ion: 41 Resp: 510

Ion Ratio Lower Upper

41 100

42 68.4 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.18

800

600

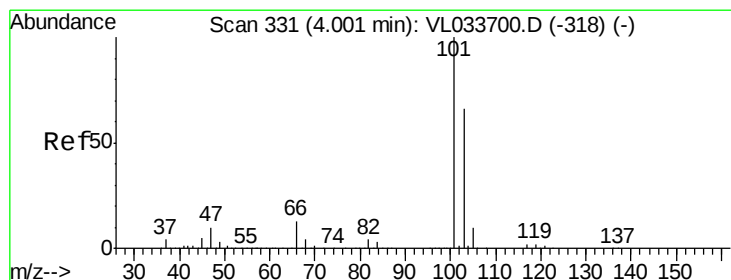
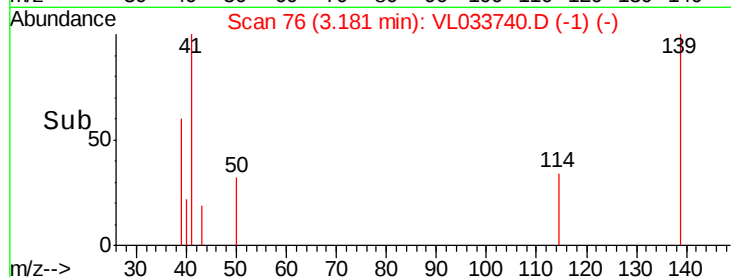
400

200

0

3.17 3.18 3.19 3.20

Time-->



#11

Trichlorofluoromethane

Concen: 0.015 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.13 min

Lab File: VL033740.D

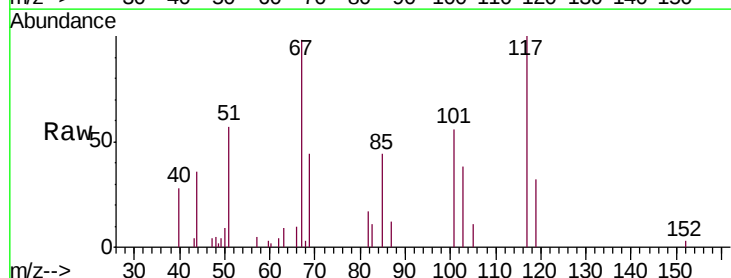
Acq: 22 May 2019 11:31

Tgt Ion: 101 Resp: 3081

Ion Ratio Lower Upper

101 100

103 69.1 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.88

4000

3000

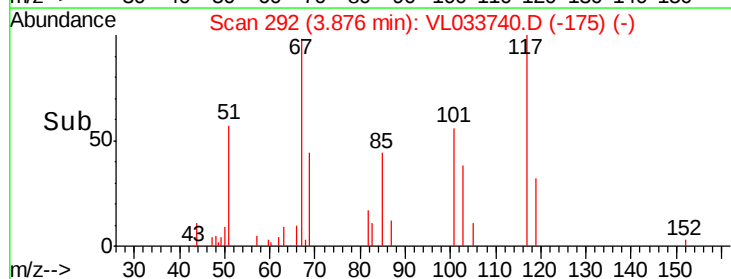
2000

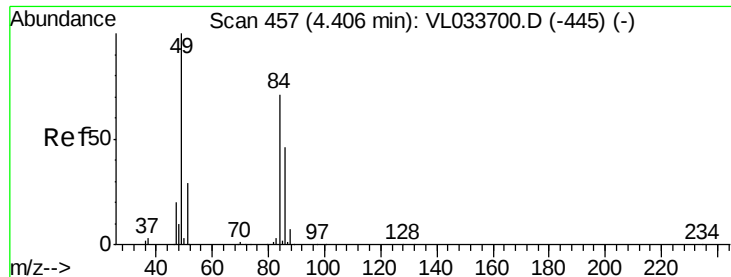
1000

0

3.86 3.87 3.88 3.89 3.90

Time-->

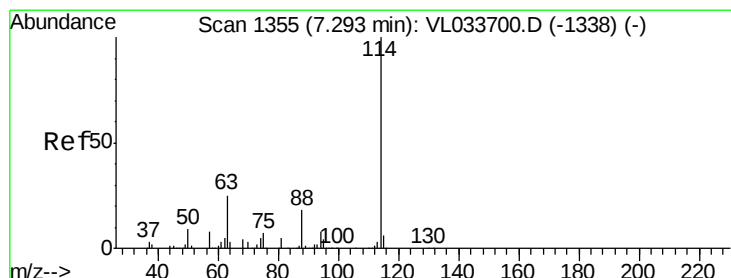
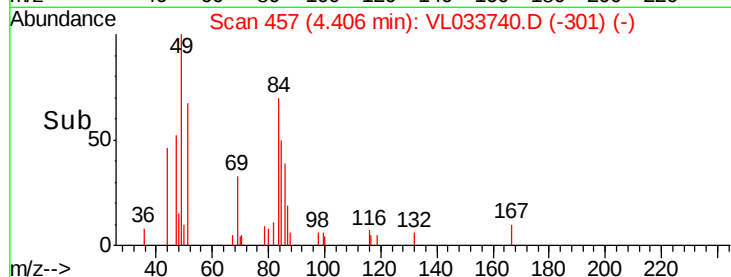
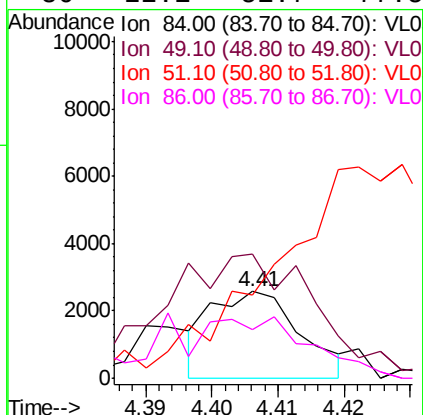
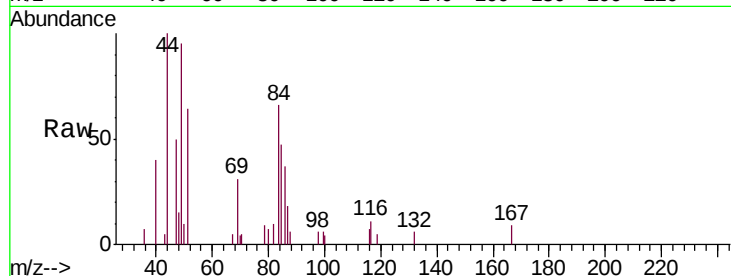




#20
Methylene Chloride
Concen: 0.045 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033740.D
Acq: 22 May 2019 11:31

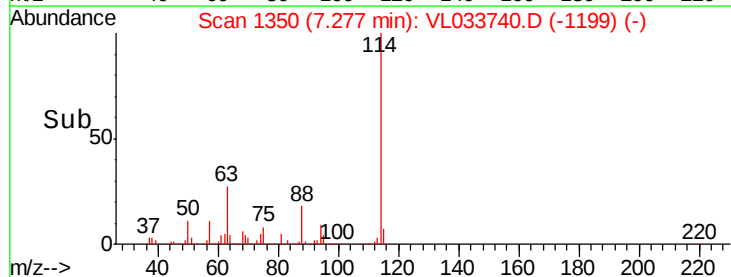
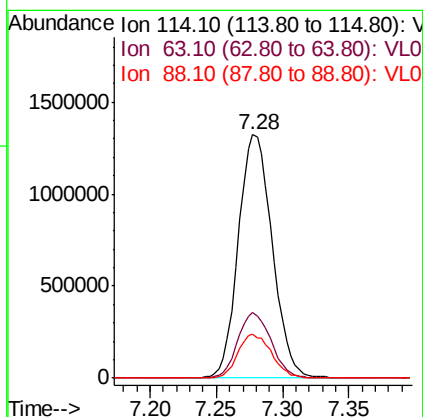
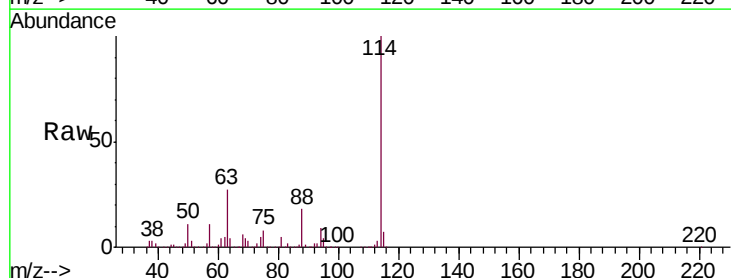
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABL01

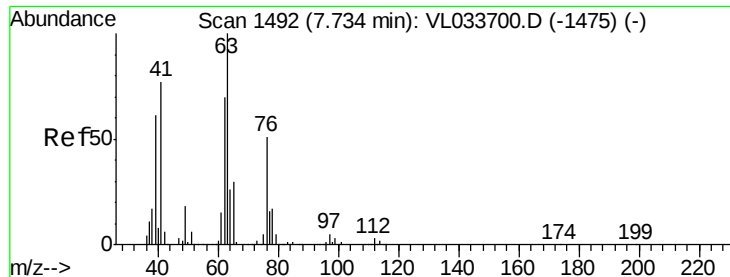
Tgt Ion: 84 Resp: 2387
Ion Ratio Lower Upper
84 100
49 52.3 112.8 169.2#
51 14.2 33.4 50.0#
86 22.1 51.7 77.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL033740.D
Acq: 22 May 2019 11:31

Tgt Ion: 114 Resp: 2356412
Ion Ratio Lower Upper
114 100
63 26.7 20.9 31.3
88 18.1 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.796 ppbv

RT: 7.28 min Scan# 1350

Delta R.T. -0.46 min

Lab File: VL033740.D

Acq: 22 May 2019 11:31

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABL01

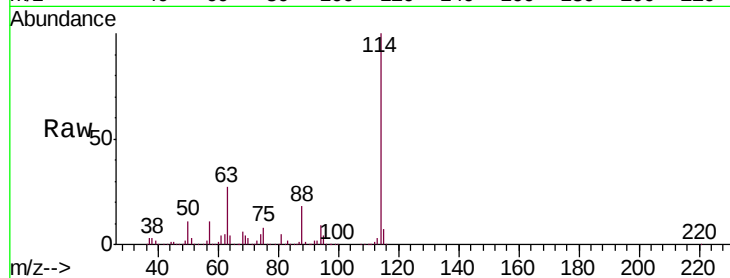
Tgt Ion: 63 Resp: 623037

Ion Ratio Lower Upper

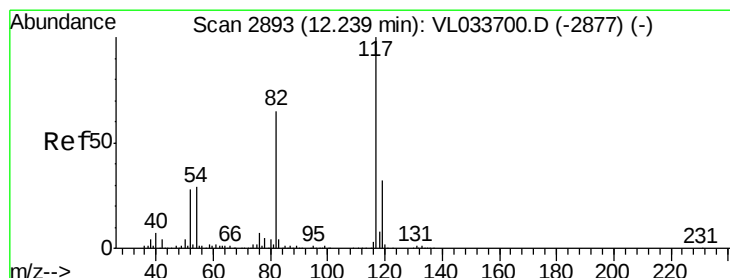
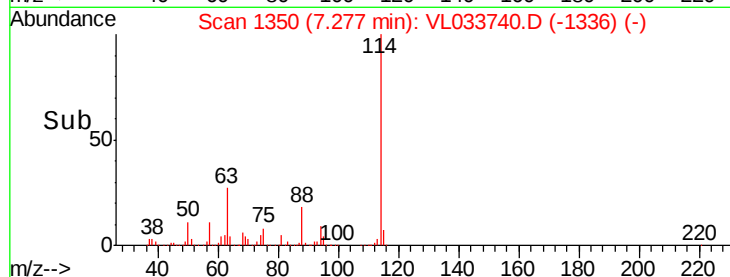
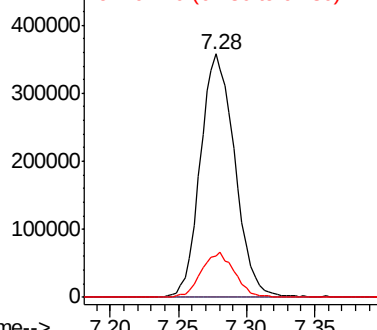
63 100

41 0.0 61.5 92.3#

62 17.2 56.2 84.4#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033740.D

Acq: 22 May 2019 11:31

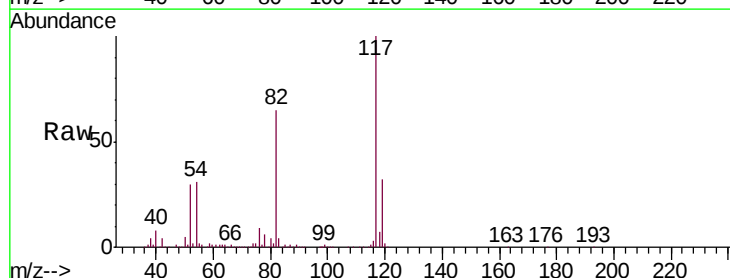
Tgt Ion: 117 Resp: 2351583

Ion Ratio Lower Upper

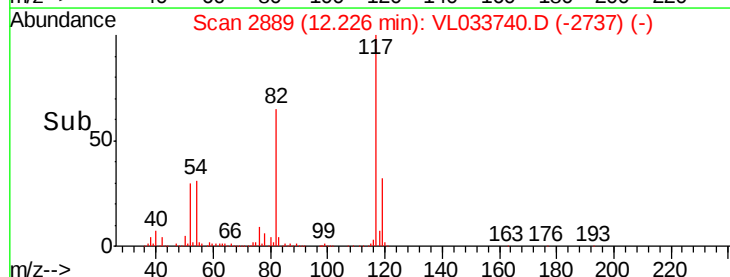
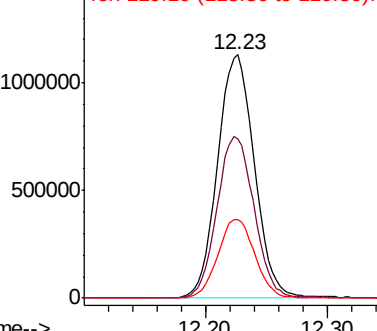
117 100

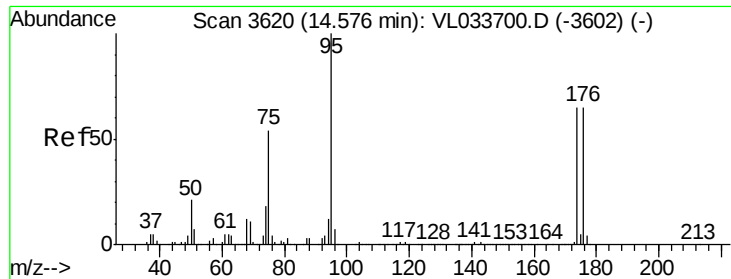
82 67.6 49.4 74.0

119 32.8 24.9 37.3



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: 9.909 ppbv

RT: 14.56 min Scan# 3615

Delta R.T. -0.02 min

Lab File: VL033740.D

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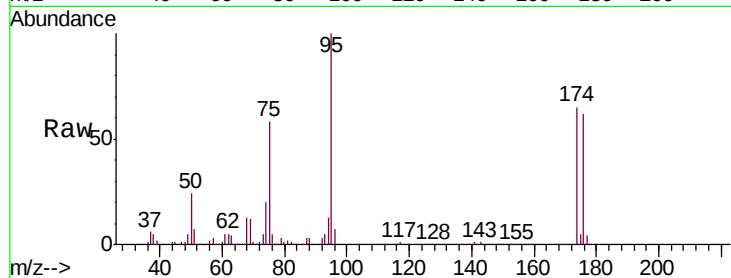
Tgt Ion: 95 Resp: 1889048

Ion Ratio Lower Upper

95 100

174 66.4 53.9 80.9

175 4.8 3.8 5.8



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

