

Data File : VL033690.D
Acq On : 14 May 2019 14:18
Operator : SY/AP
Sample : QC050619 CAN 10324
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC050619 CAN 10324

Quant Time: May 15 02:33:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	904009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2115434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2060570	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1684610	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

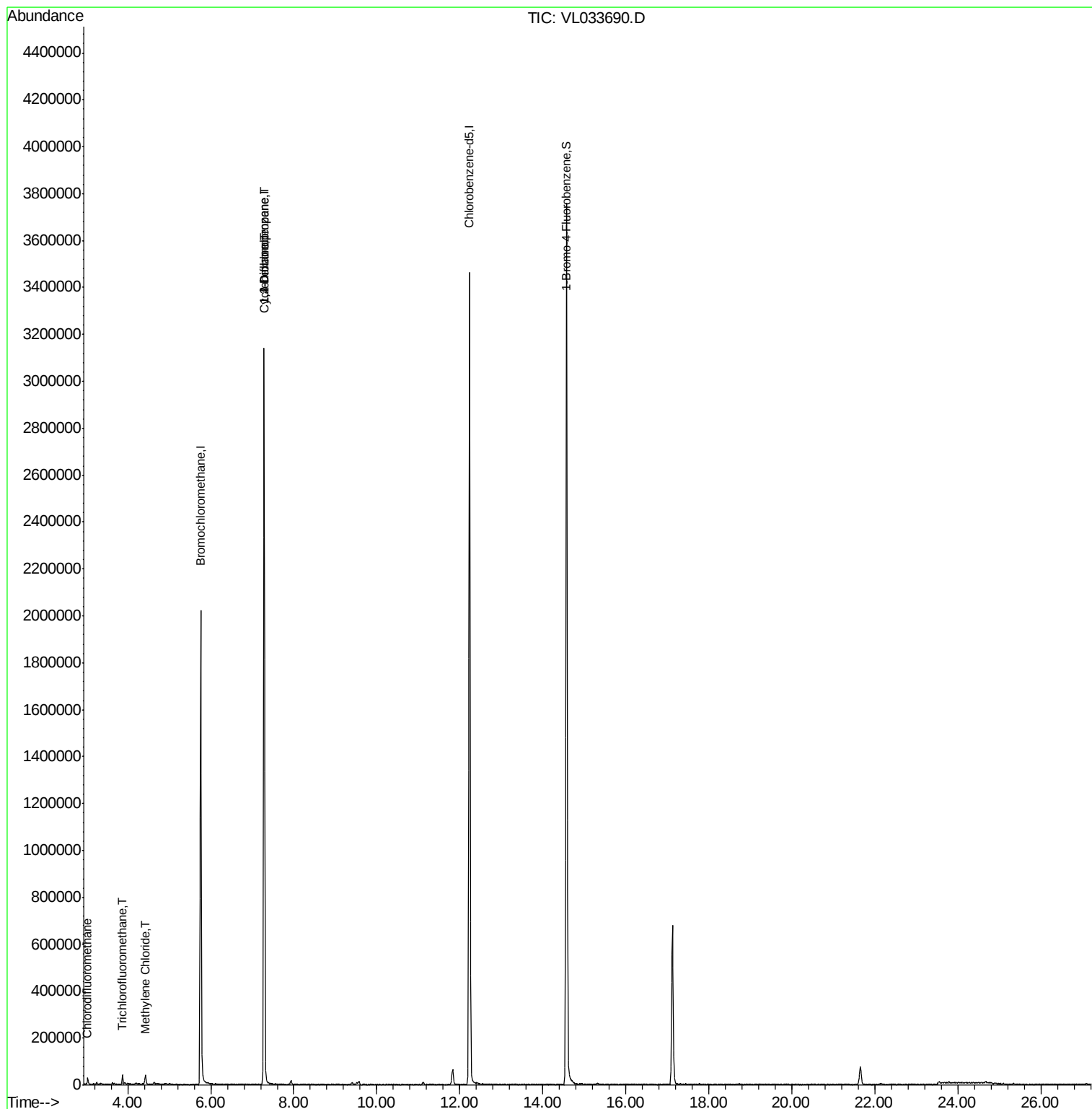
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	1998	0.015	ppbv	98
11) Trichlorofluoromethane	3.88	101	2108	0.011	ppbv	93
20) Methylene Chloride	4.40	84	2577	0.050	ppbv #	53
30) Cyclohexane	7.27	84	4513	0.057	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	561252	7.939	ppbv #	23

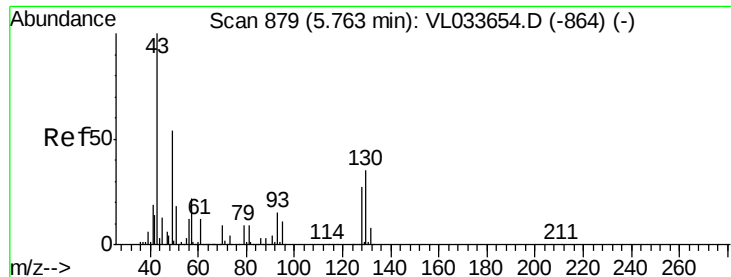
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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QC050619 CAN 10324

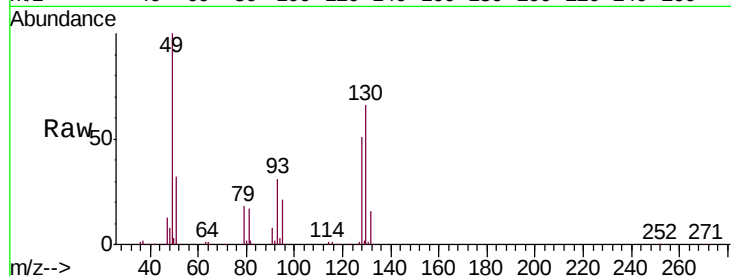
Tgt Ion: 49 Resp: 904009

Ion Ratio Lower Upper

49 100

128 50.0 24.8 74.3

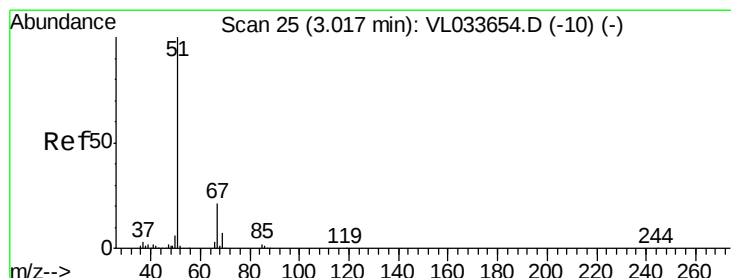
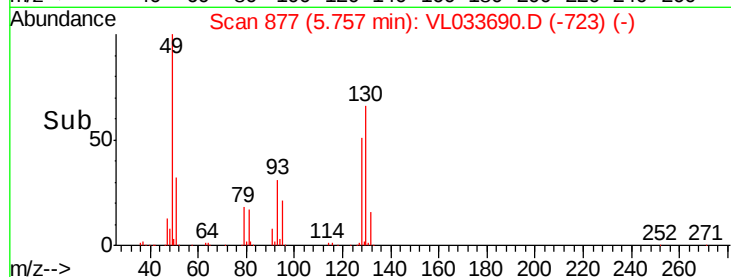
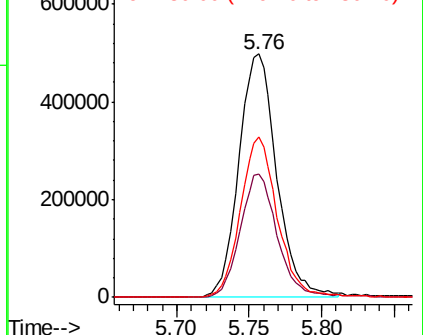
130 64.9 32.1 96.5



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: 0.015 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033690.D

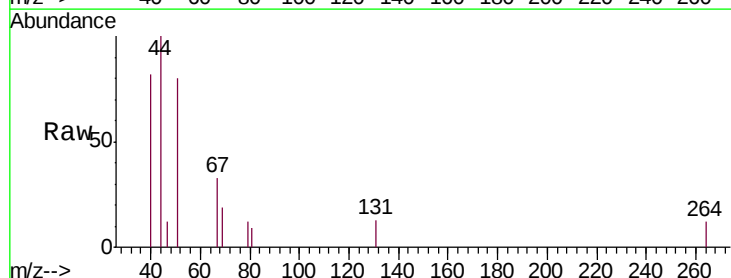
Acq: 14 May 2019 14:18

Tgt Ion: 51 Resp: 1998

Ion Ratio Lower Upper

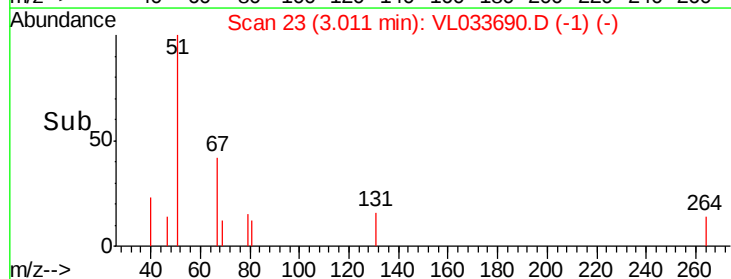
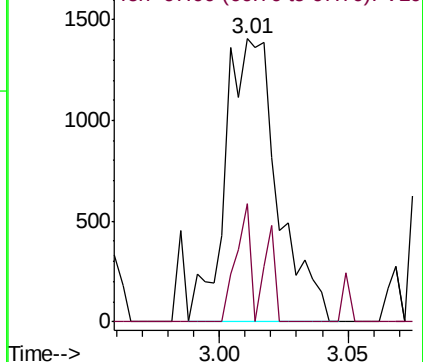
51 100

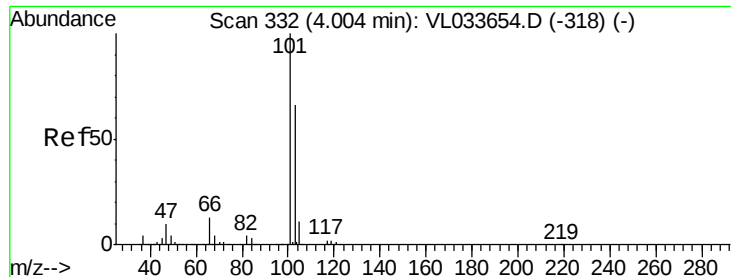
67 18.8 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#11

Trichlorofluoromethane

Concen: 0.011 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.13 min

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Instrument :

MSVOA_L

ClientSampleId :

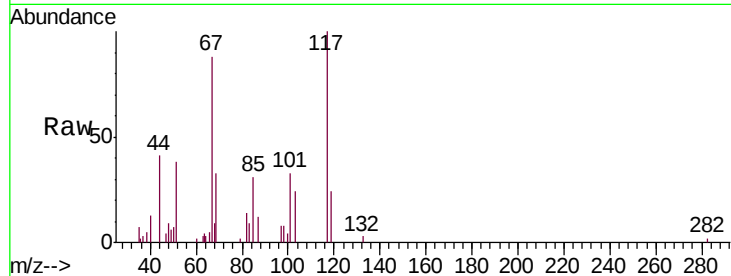
QC050619 CAN 10324

Tgt Ion:101 Resp: 2108

Ion Ratio Lower Upper

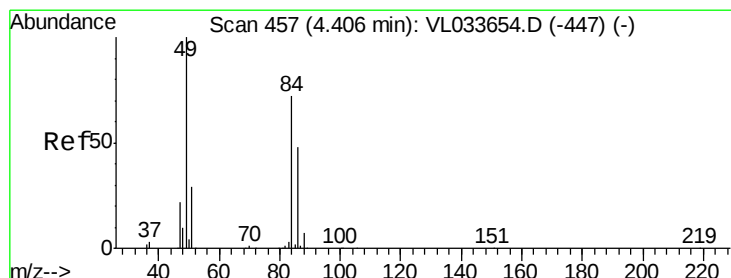
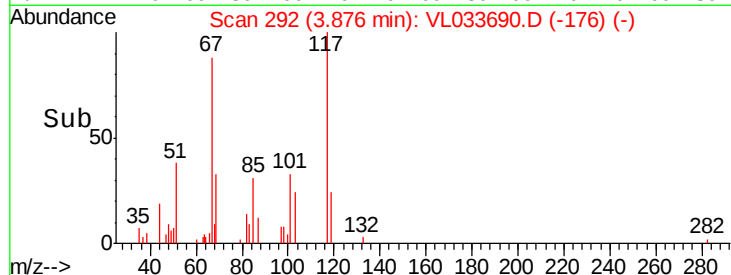
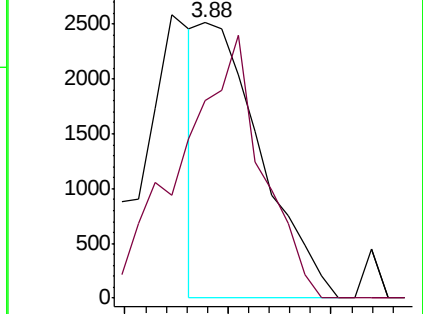
101 100

103 71.8 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#20

Methylene Chloride

Concen: 0.050 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033690.D

Acq: 14 May 2019 14:18

Tgt Ion: 84 Resp: 2577

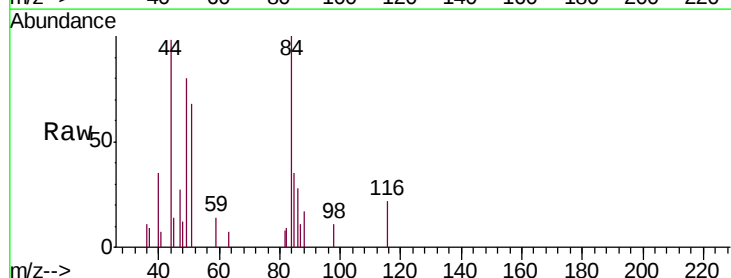
Ion Ratio Lower Upper

84 100

49 80.0 111.8 167.6#

51 68.0 32.3 48.5#

86 33.3 53.9 80.9#

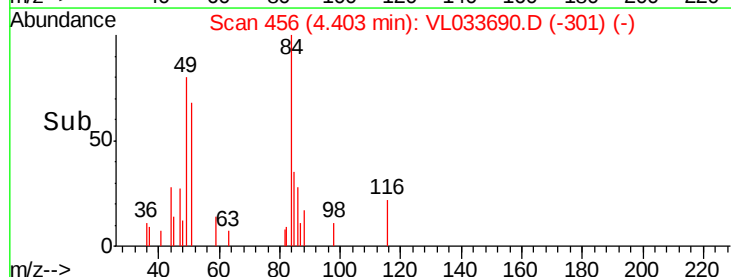
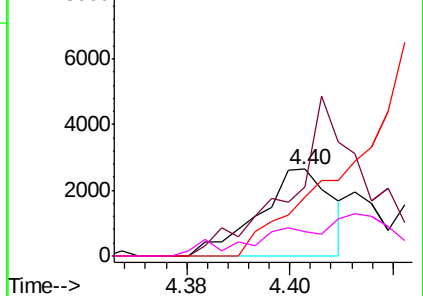


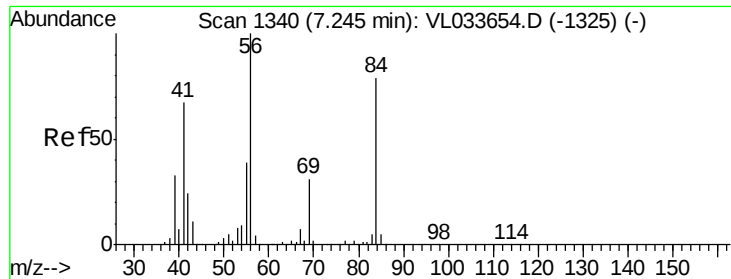
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

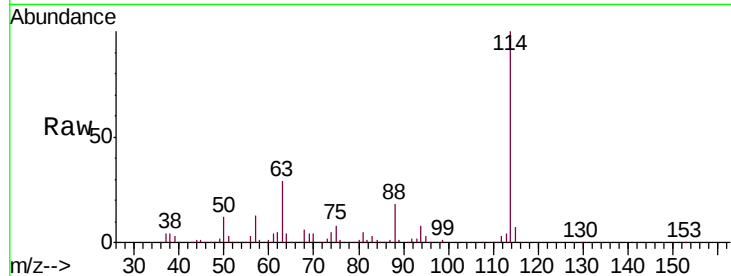




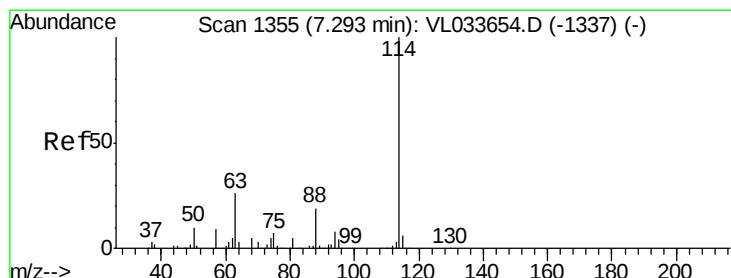
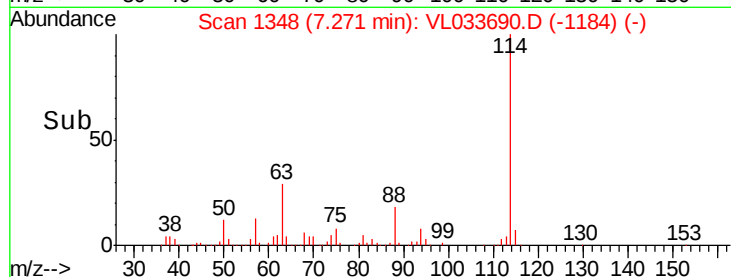
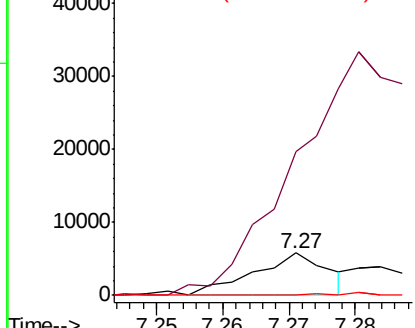
#30
Cyclohexane
Concen: 0.057 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.03 min
Lab File: VL033690.D
Acq: 14 May 2019 14:18

Instrument :
MSVOA_L
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QC050619 CAN 10324

Tgt Ion: 84 Resp: 4513
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 0.0 66.6 99.8#

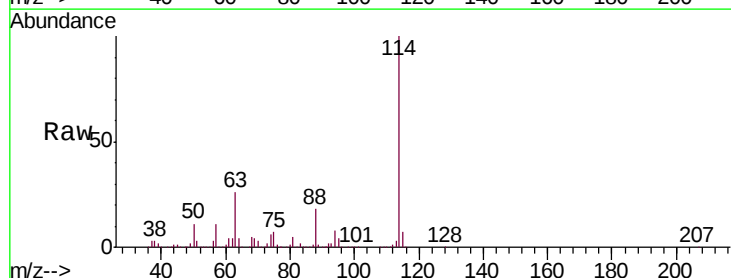


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

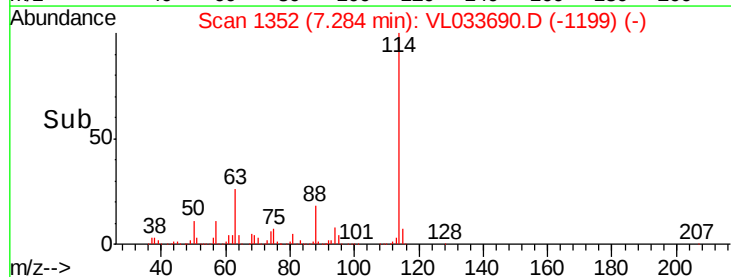
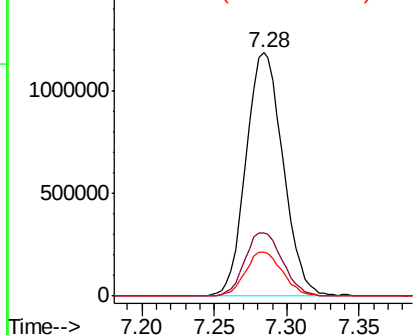


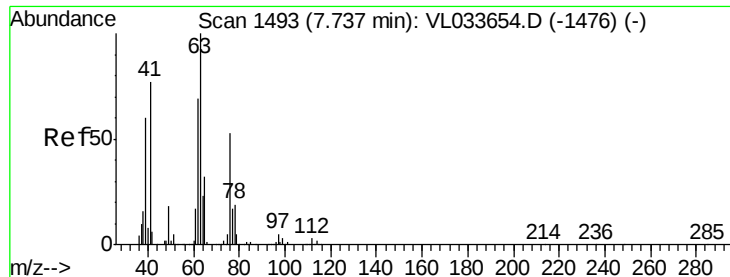
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033690.D
Acq: 14 May 2019 14:18

Tgt Ion: 114 Resp: 2115434
Ion Ratio Lower Upper
114 100
63 26.7 21.3 31.9
88 18.0 14.4 21.6



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: 7.939 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.46 min

Lab File: VL033690.D

Acq: 14 May 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

QC050619 CAN 10324

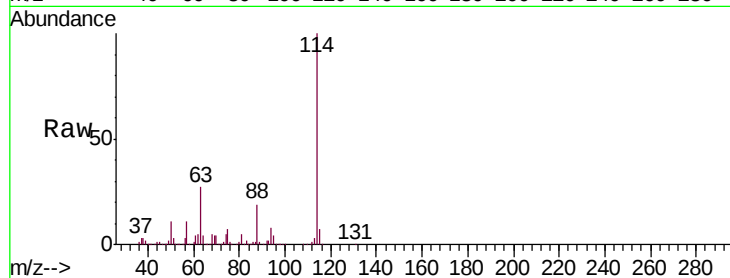
Tgt Ion: 63 Resp: 561252

Ion Ratio Lower Upper

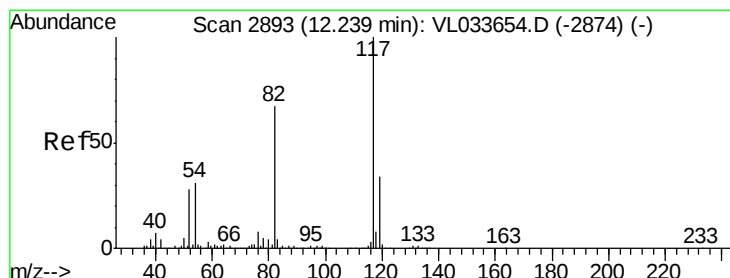
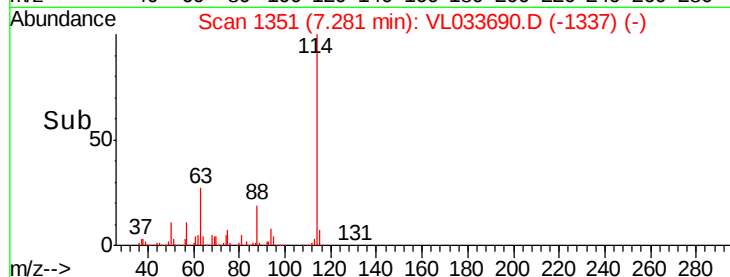
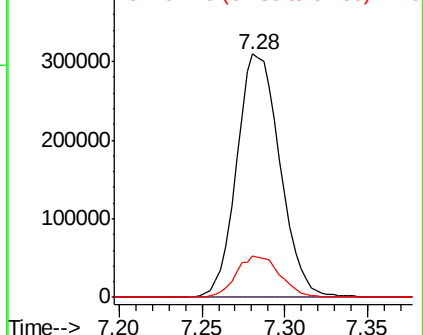
63 100

41 0.1 61.6 92.4#

62 17.0 55.0 82.6#



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# 2891

Delta R.T. -0.01 min

Lab File: VL033690.D

Acq: 14 May 2019 14:18

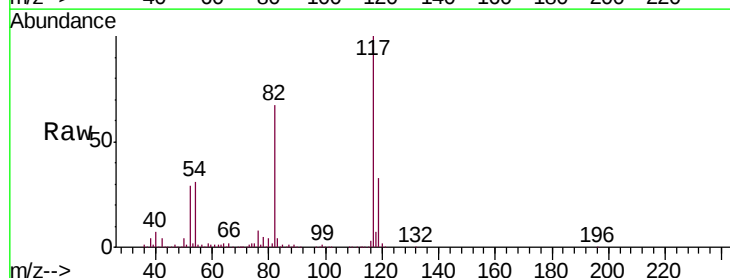
Tgt Ion: 117 Resp: 2060570

Ion Ratio Lower Upper

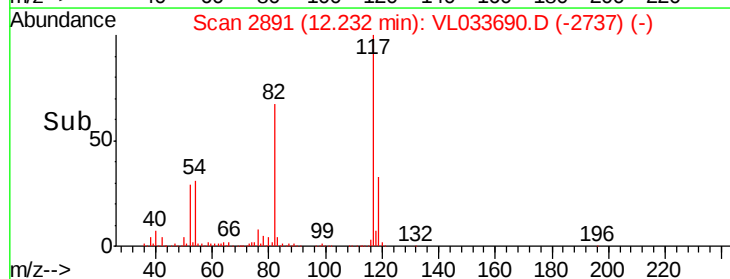
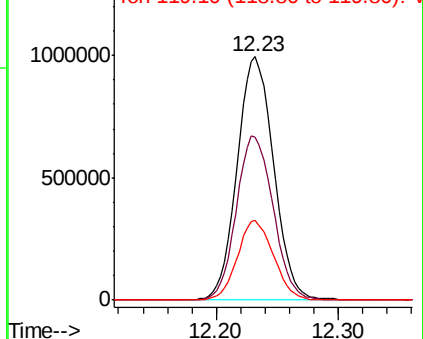
117 100

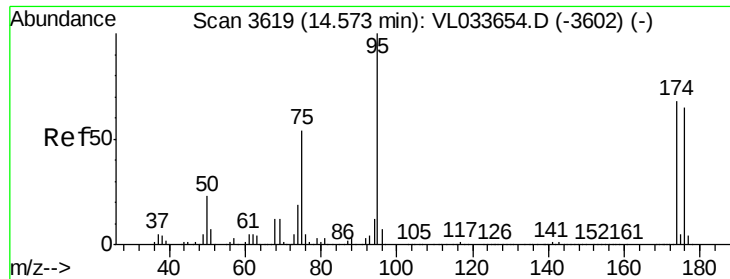
82 68.3 49.7 74.5

119 32.6 24.8 37.2



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: 9.974 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033690.D

Acq: 14 May 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

QC050619 CAN 10324

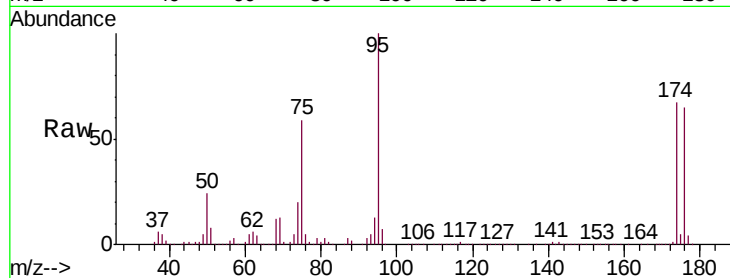
Tgt Ion: 95 Resp: 1684610

Ion Ratio Lower Upper

95 100

174 65.9 54.0 81.0

175 4.9 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

