

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034397.D
 Acq On : 20 Nov 2019 2:49
 Operator : SY/AP
 Sample : K5924-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Nov 20 04:07:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	931258	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1803566	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1802801	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1522831	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

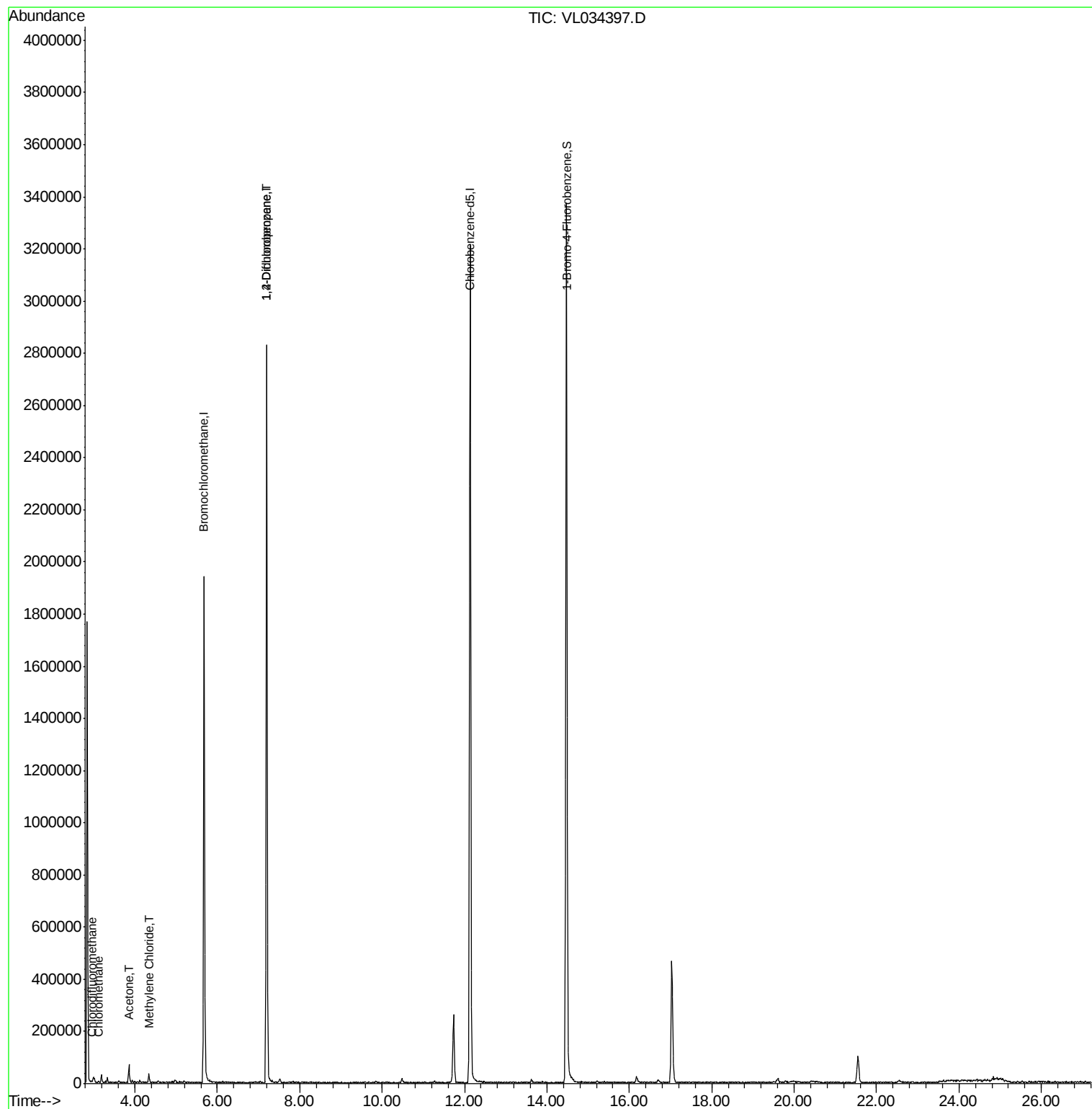
Target Compounds					Qvalue
3) Chlorodifluoromethane	2.95	51	5742	0.049 ppbv #	86
4) Chloromethane	3.11	50	2691	0.039 ppbv #	85
15) Acetone	3.85	43	58876	0.442 ppbv	95
20) Methylene Chloride	4.34	84	10542	0.223 ppbv #	89
39) 1,2-Dichloropropane	7.20	63	543188	7.107 ppbv #	24

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

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Acq: 20 Nov 2019 2:49

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

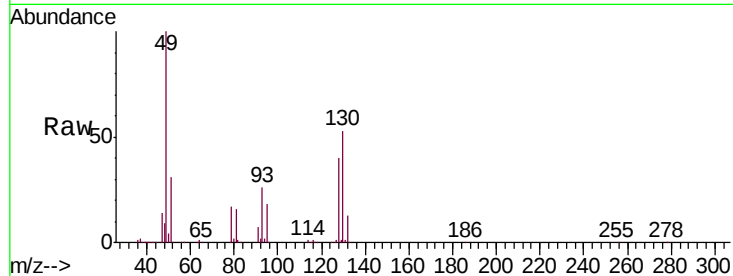
Tgt Ion: 49 Resp: 931258

Ion Ratio Lower Upper

49 100

128 43.2 21.8 65.3

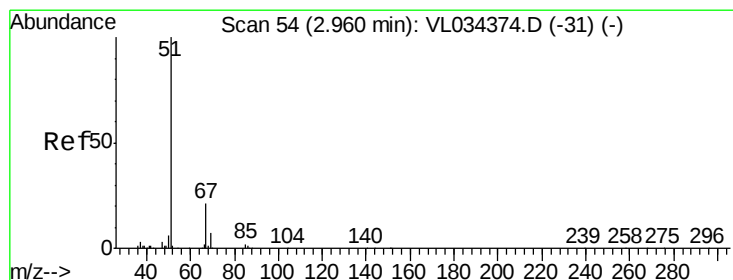
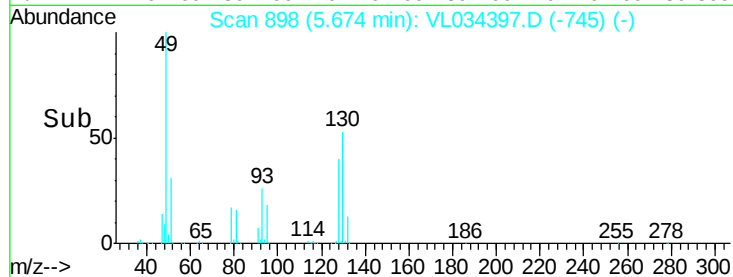
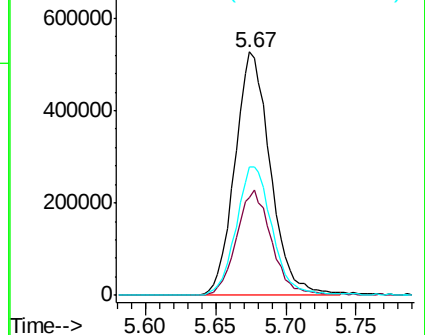
130 54.5 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.049 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL034397.D

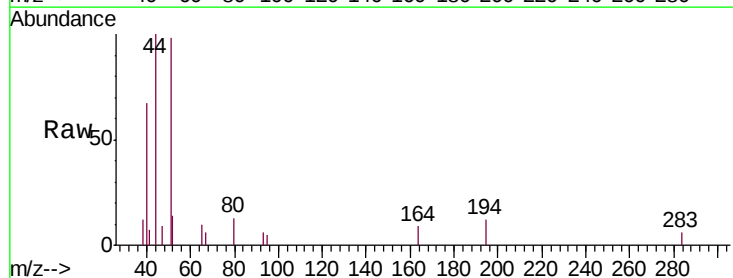
Acq: 20 Nov 2019 2:49

Tgt Ion: 51 Resp: 5742

Ion Ratio Lower Upper

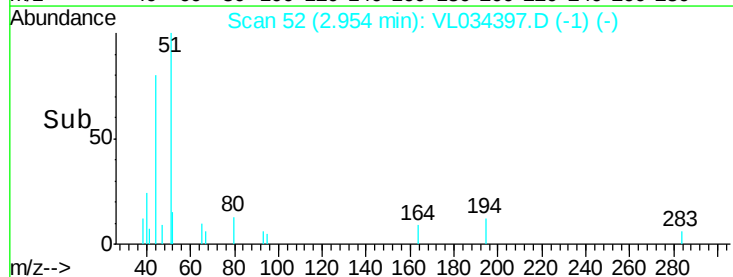
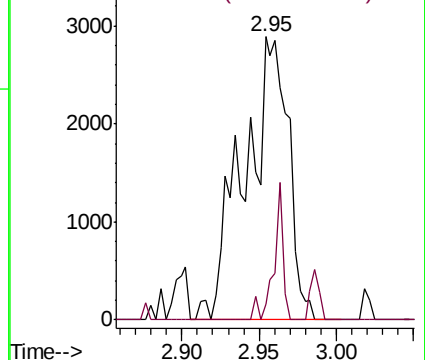
51 100

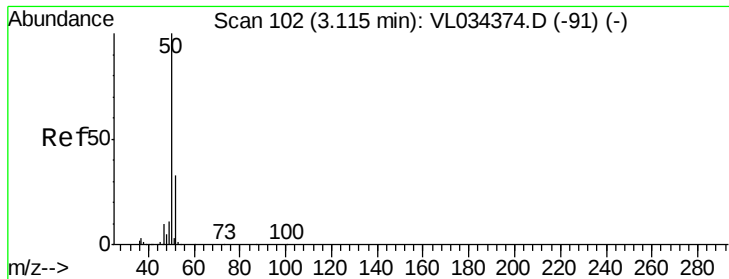
67 13.5 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.039 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Instrument :

MSVOA_L

ClientSampleID :

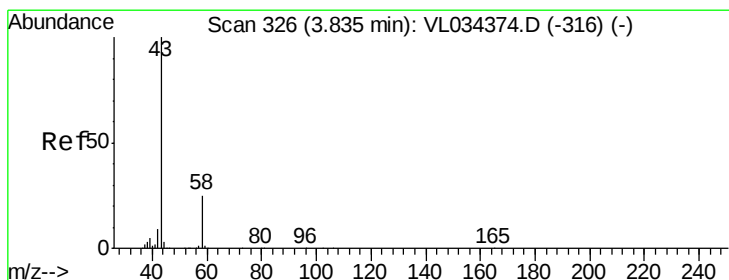
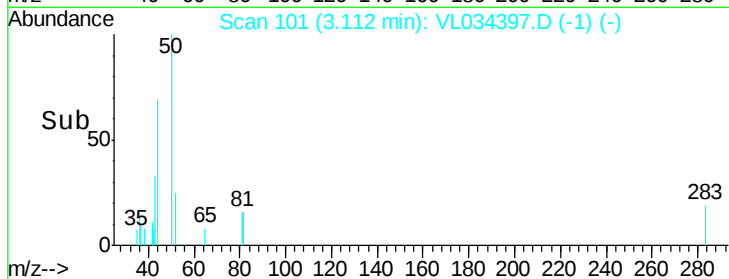
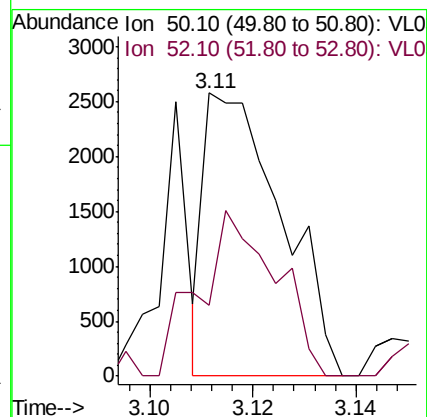
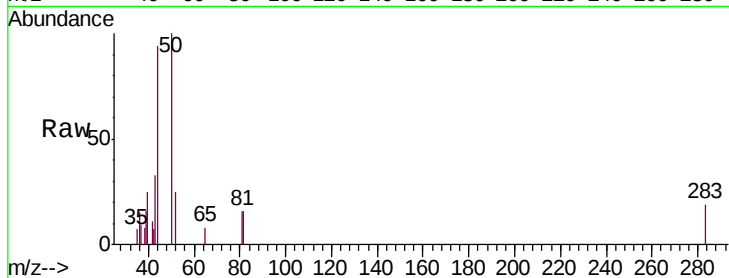
QA1DL

Tgt Ion: 50 Resp: 2691

Ion Ratio Lower Upper

50 100

52 25.1 26.8 40.2#



#15

Acetone

Concen: 0.442 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL034397.D

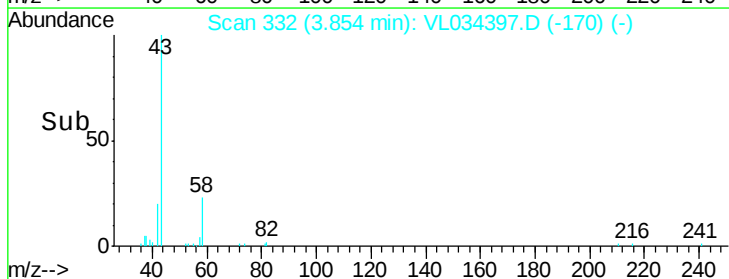
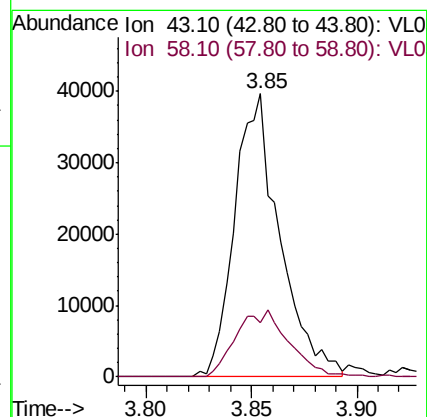
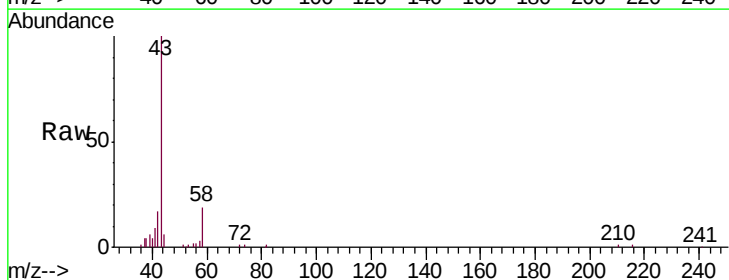
Acq: 20 Nov 2019 2:49

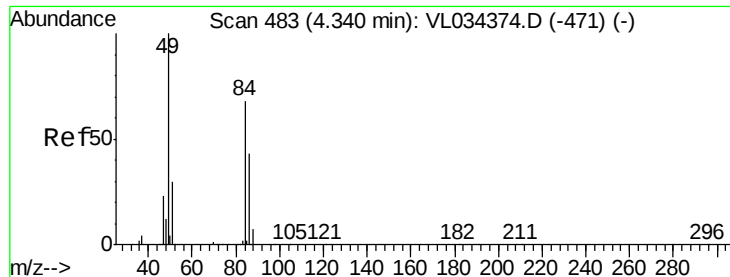
Tgt Ion: 43 Resp: 58876

Ion Ratio Lower Upper

43 100

58 28.0 20.2 30.4

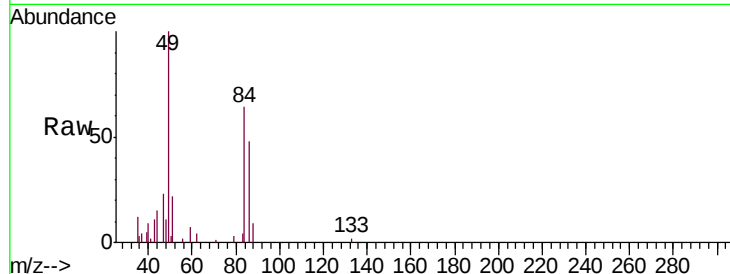




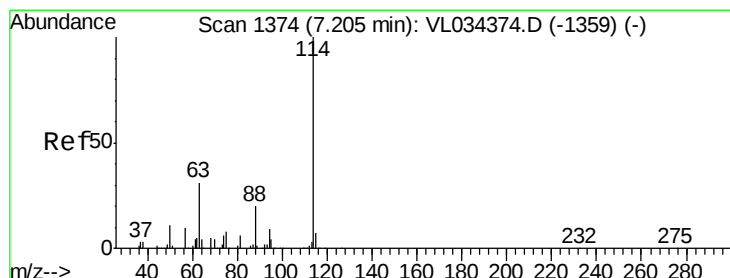
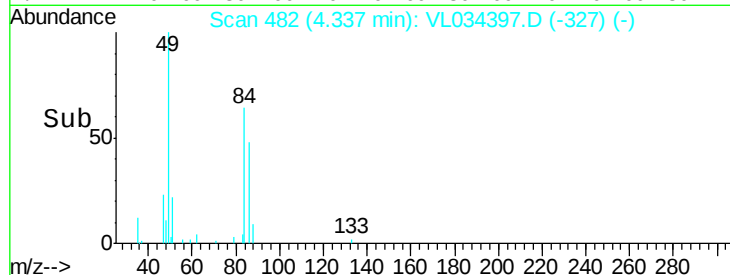
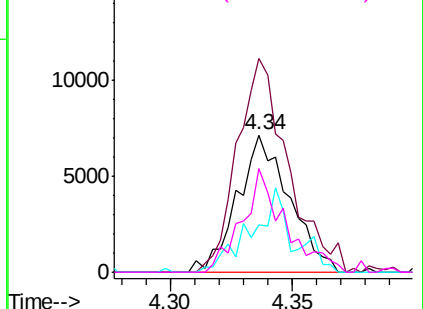
#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034397.D
Acq: 20 Nov 2019 2:49

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tgt Ion: 84 Resp: 10542
Ion Ratio Lower Upper
84 100
49 155.9 116.8 175.2
51 34.7 35.6 53.4#
86 75.3 50.7 76.1

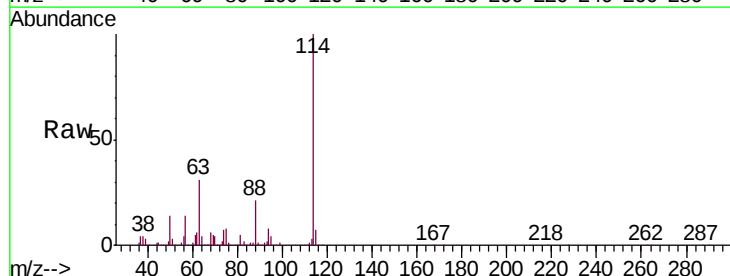


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

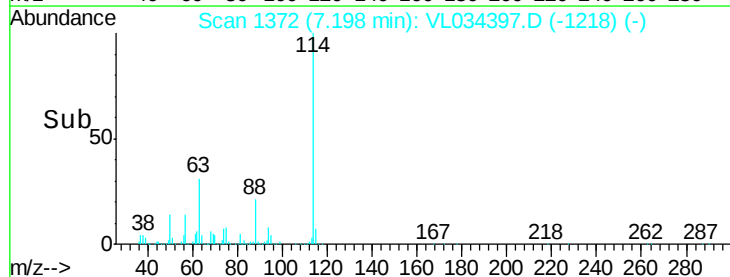
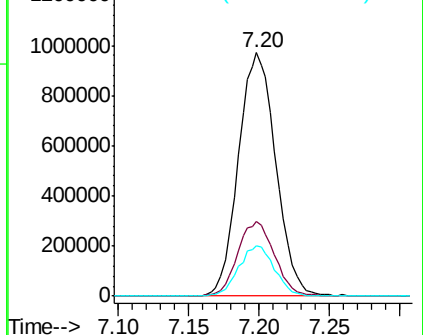


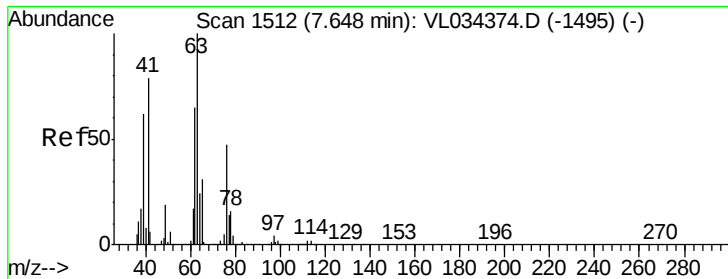
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034397.D
Acq: 20 Nov 2019 2:49

Tgt Ion: 114 Resp: 1803566
Ion Ratio Lower Upper
114 100
63 30.3 24.2 36.4
88 20.0 15.9 23.9



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: 7.107 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.45 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

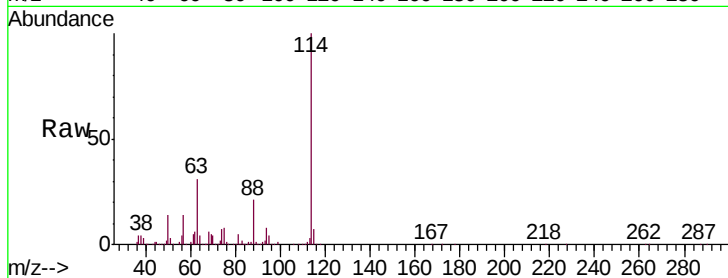
Tgt Ion: 63 Resp: 543188

Ion Ratio Lower Upper

63 100

41 0.1 63.1 94.7#

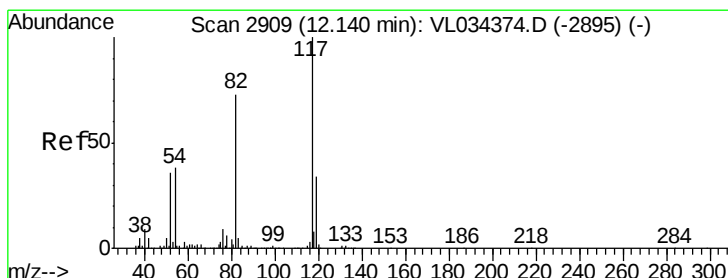
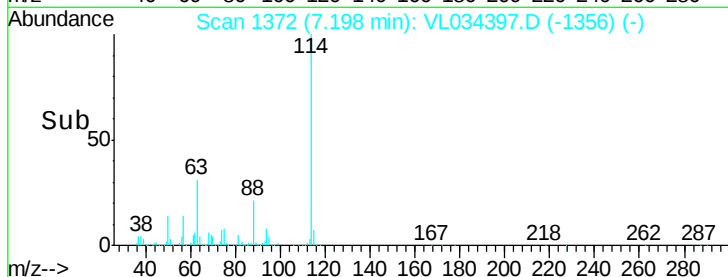
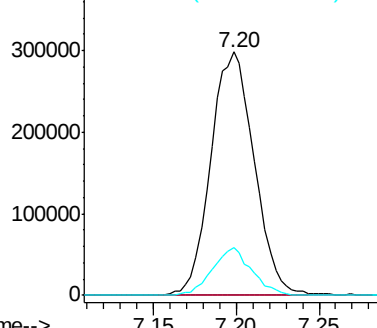
62 19.4 52.3 78.5#



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: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

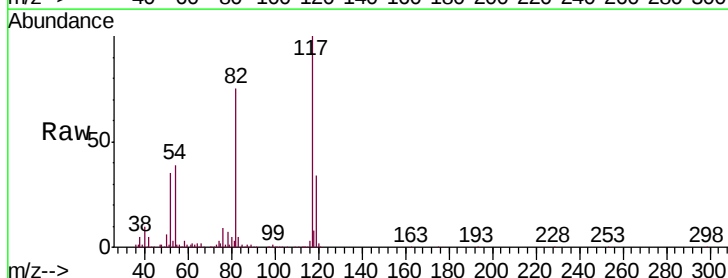
Tgt Ion: 117 Resp: 1802801

Ion Ratio Lower Upper

117 100

82 72.6 57.5 86.3

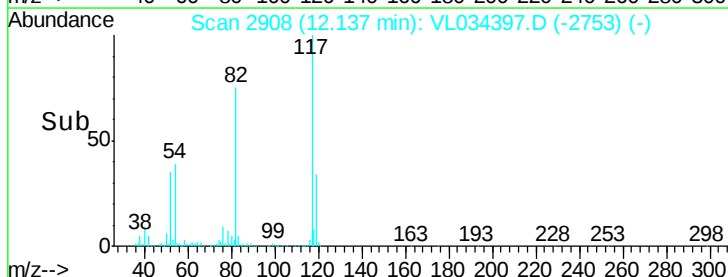
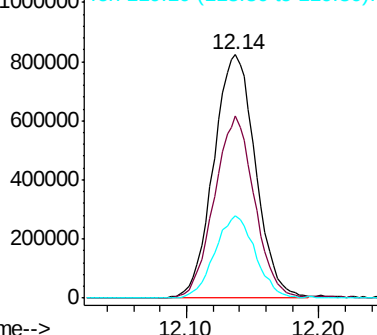
119 33.2 25.4 38.2

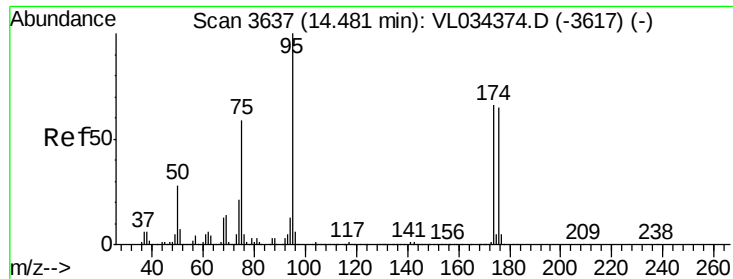


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.041 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VL034397.D

Acq: 20 Nov 2019 2:49

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tgt Ion: 95 Resp: 1522831

Ion Ratio Lower Upper

95 100

174 66.1 52.2 78.2

175 4.8 3.8 5.8

