

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
 Data File : VL033442.D
 Acq On : 25 Mar 2019 18:55
 Operator : SY/AP
 Sample : VL0325ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABL01

Quant Time: Mar 26 05:18:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	762837	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1733685	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1733105	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1344425	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

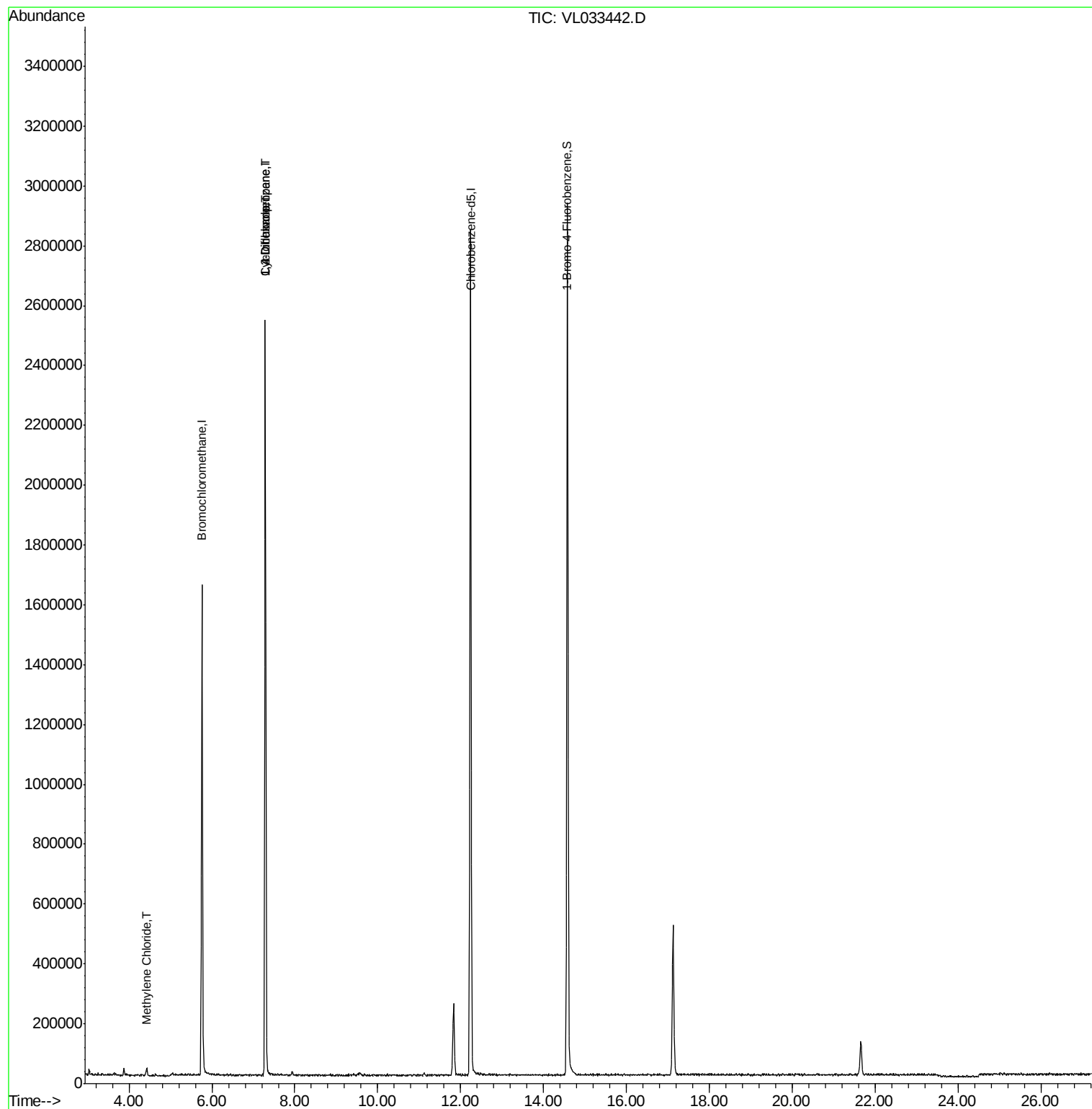
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.41	84	1257	0.032	ppbv #	58
30) Cyclohexane	7.28	84	1975	0.033	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	461141	8.092	ppbv #	23

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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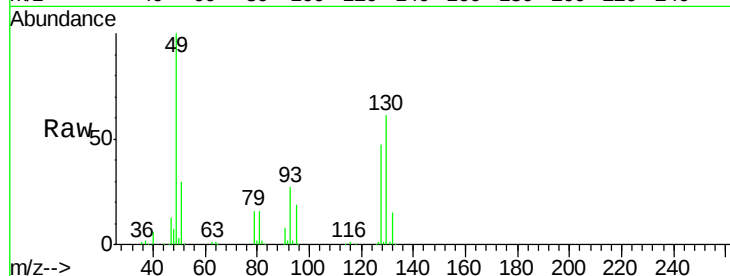
Tgt Ion: 49 Resp: 762837

Ion Ratio Lower Upper

49 100

128 48.1 24.0 72.0

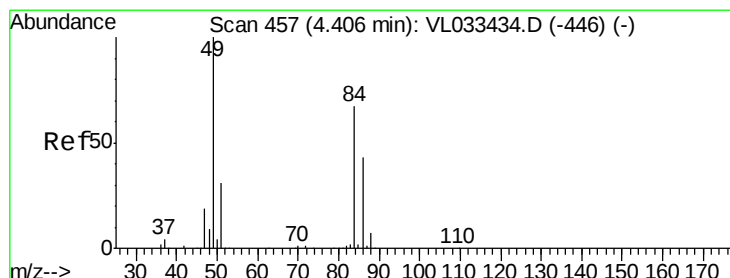
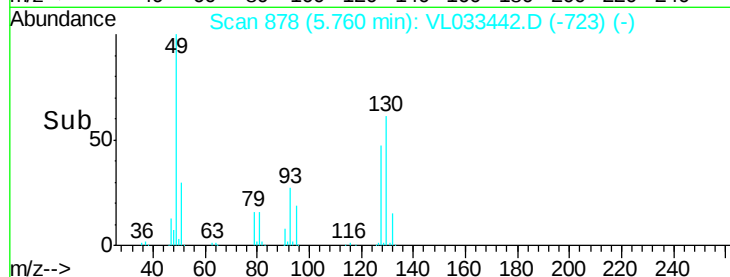
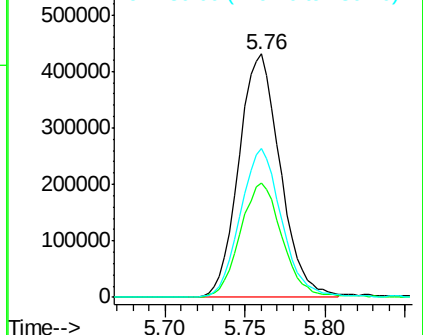
130 61.4 31.2 93.6



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



#20

Methylene Chloride

Concen: 0.032 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033442.D

Acq: 25 Mar 2019 18:55

Tgt Ion: 84 Resp: 1257

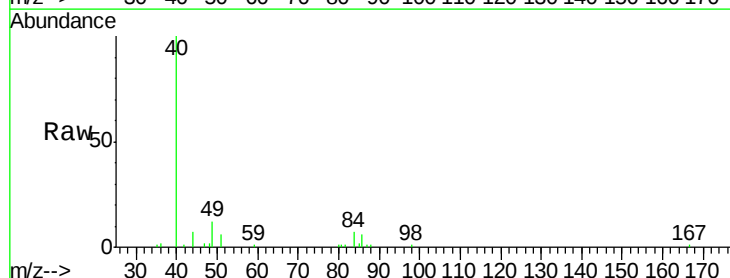
Ion Ratio Lower Upper

84 100

49 100.4 120.0 180.0#

51 74.9 36.7 55.1#

86 27.7 51.9 77.9#

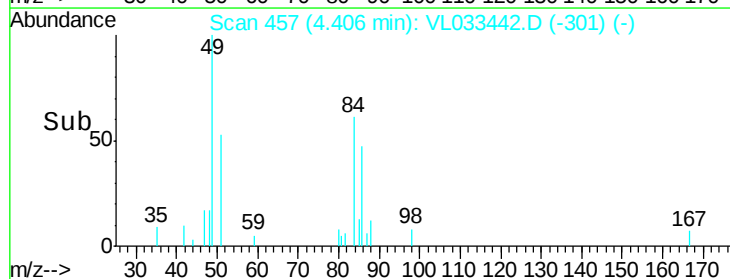
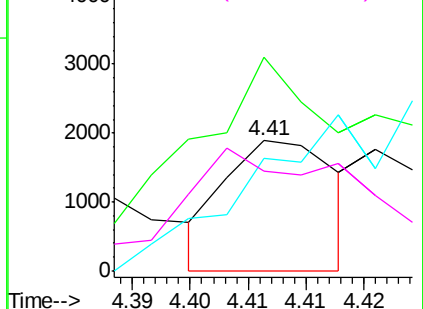


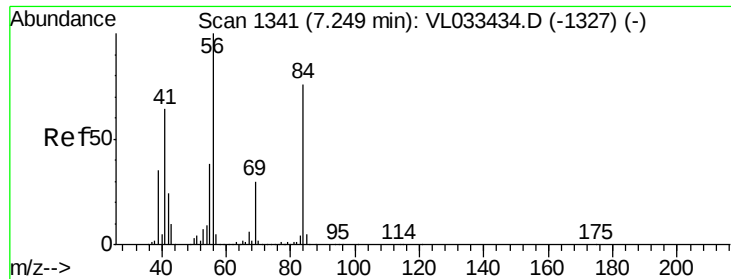
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

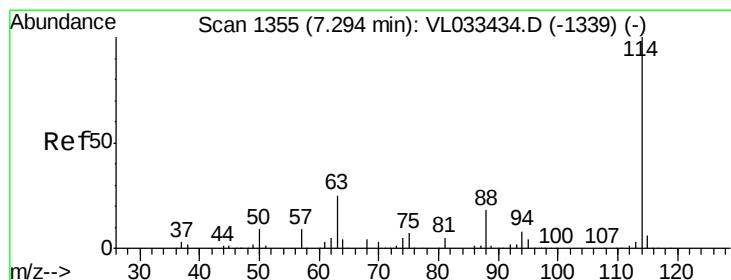
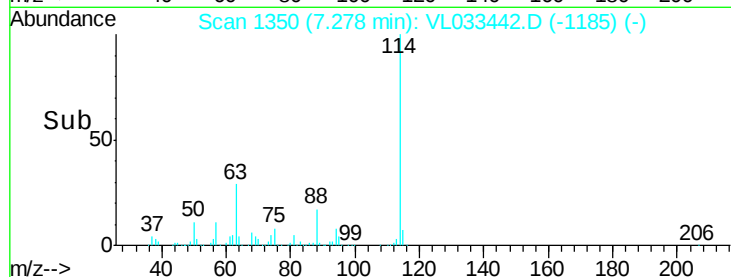
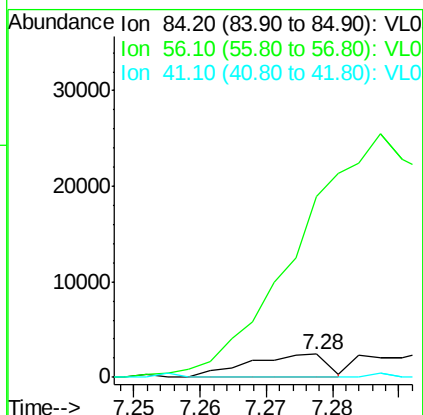
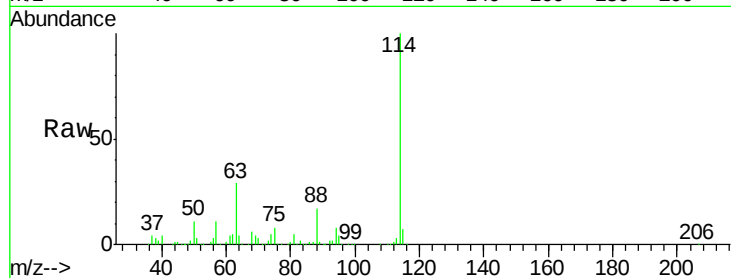




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033442.D
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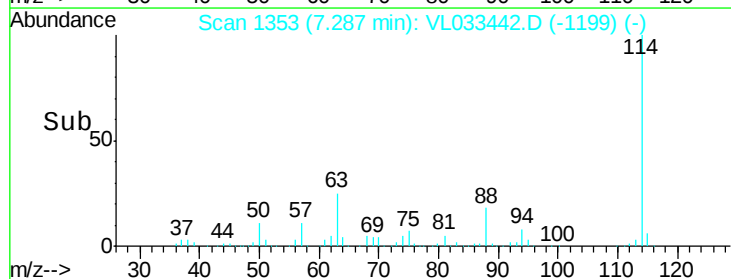
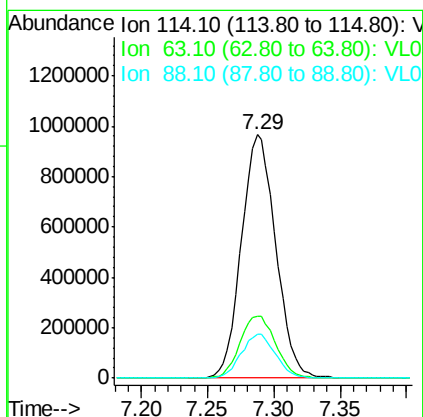
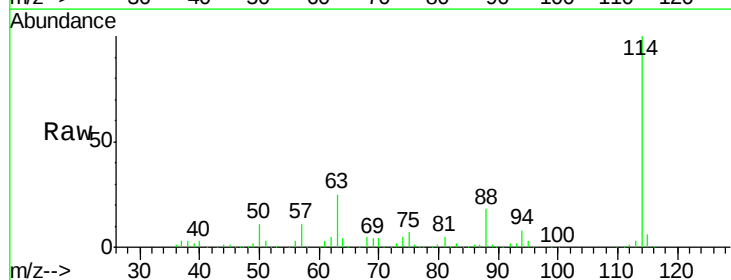
Instrument :
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ClientSampleId :
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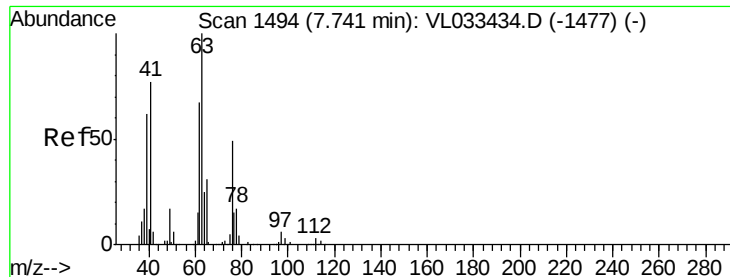
Tgt Ion: 84 Resp: 1975
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 3.8 68.2 102.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033442.D
Acq: 25 Mar 2019 18:55

Tgt Ion: 114 Resp: 1733685
Ion Ratio Lower Upper
114 100
63 26.8 21.5 32.3
88 18.1 14.5 21.7

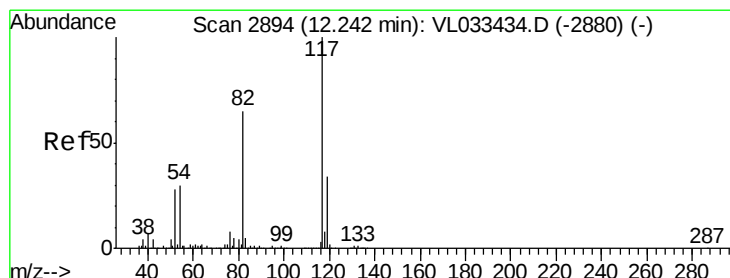
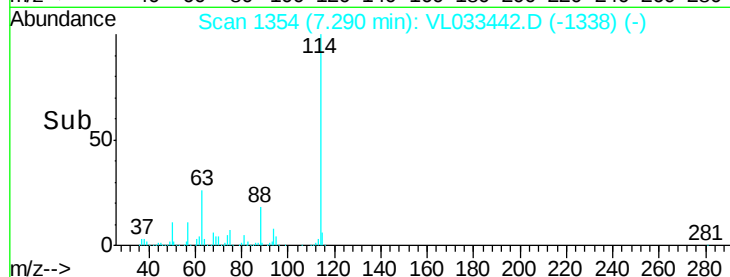
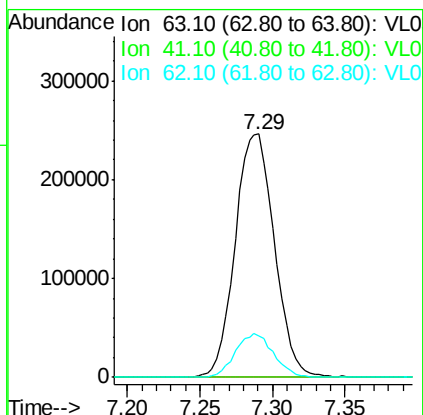
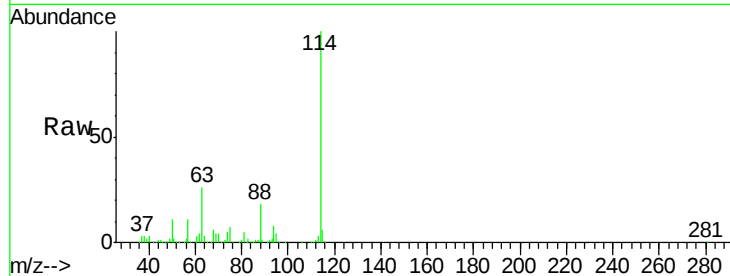




#39
 1,2-Dichloropropane
 Concen: 8.092 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL033442.D
 Acq: 25 Mar 2019 18:55

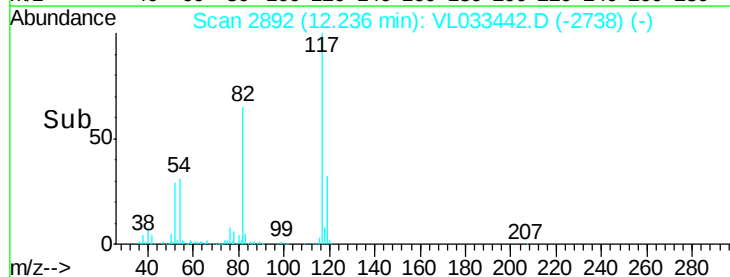
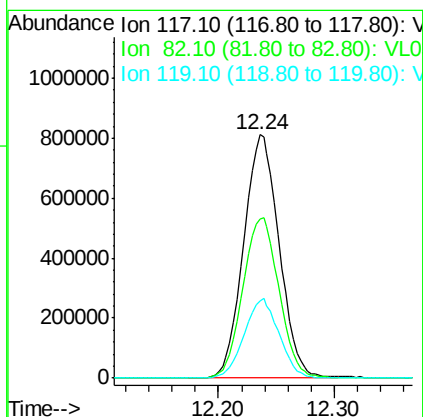
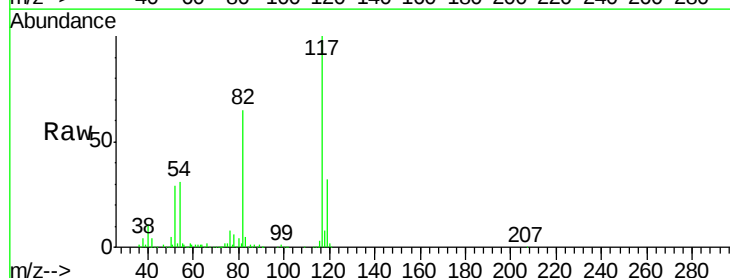
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABL01

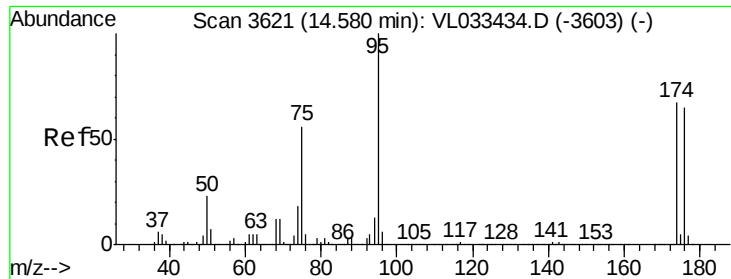
Tgt Ion: 63 Resp: 461141
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 16.9 54.0 81.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033442.D
 Acq: 25 Mar 2019 18:55

Tgt Ion: 117 Resp: 1733105
 Ion Ratio Lower Upper
 117 100
 82 67.4 51.5 77.3
 119 32.2 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.895 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033442.D

Acq: 25 Mar 2019 18:55

Instrument :

MSVOA_L

ClientSampleId :

VL0325ABL01

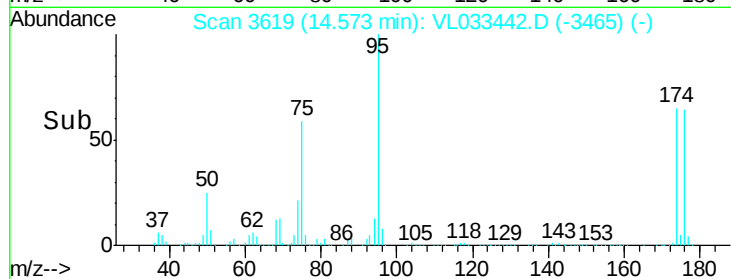
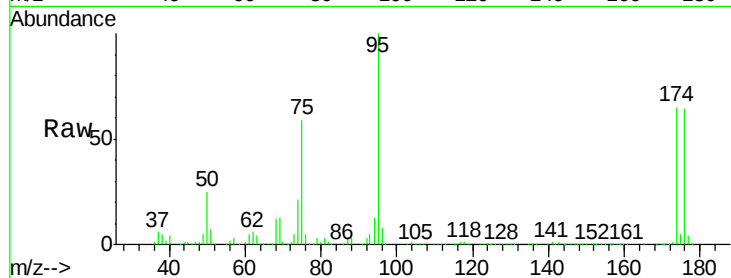
Tgt Ion: 95 Resp: 1344425

Ion Ratio Lower Upper

95 100

174 66.4 52.9 79.3

175 4.7 3.8 5.6



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

