

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033497.D
 Acq On : 29 Mar 2019 11:29
 Operator : SY/AP
 Sample : VL0329ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 01:08:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	854550	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2088364	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2085782	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1613963	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

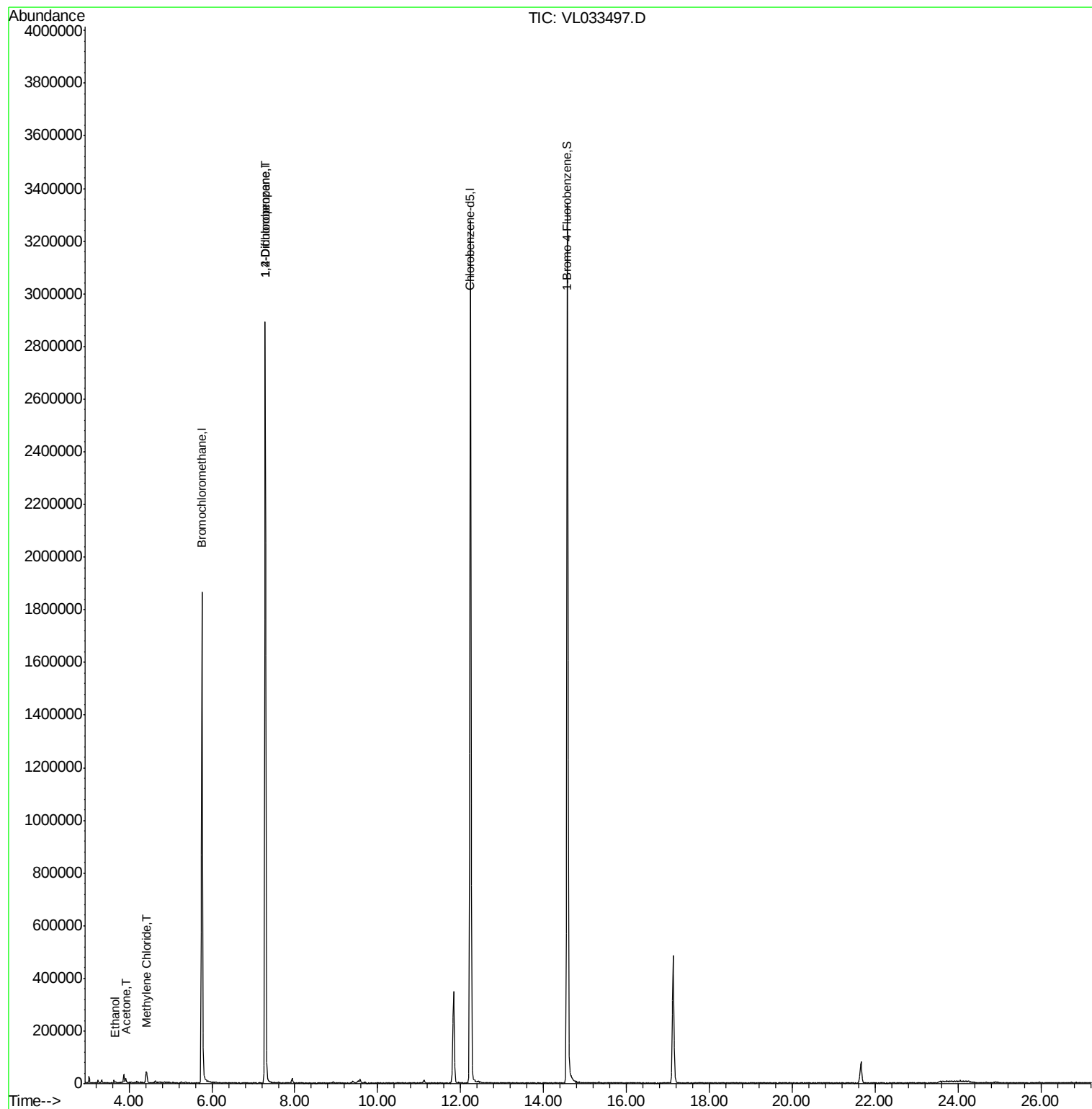
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	470	0.04	ppbv #	18
15) Acetone	3.92	43	17002	0.17	ppbv	91
20) Methylene Chloride	4.40	84	11498	0.26	ppbv #	84
39) 1,2-Dichloropropane	7.29	63	529191	7.71	ppbv #	23

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

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

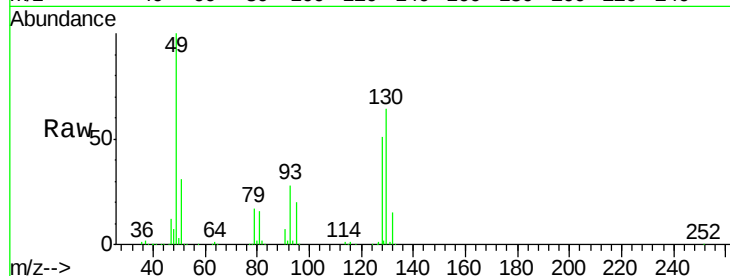
Tot Ion: 49 Resp: 854550

Ion Ratio Lower Upper

49 100

128 50.7 24.0 72.0

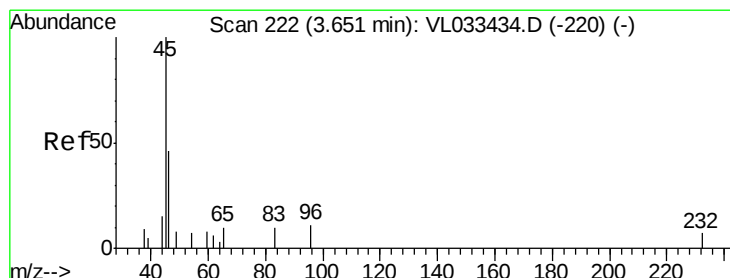
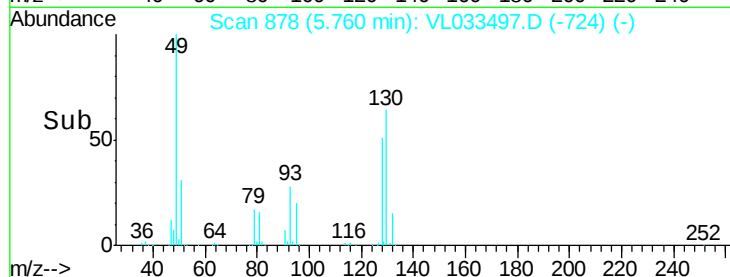
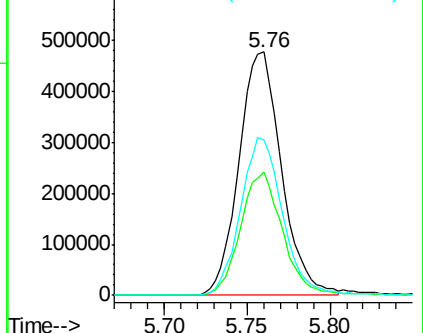
130 65.1 31.2 93.6



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



#13

Ethanol

Concen: 0.04 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033497.D

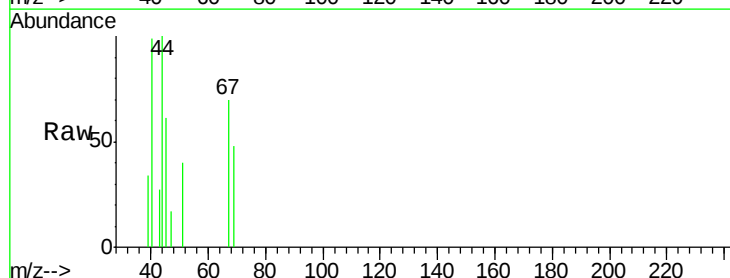
Acq: 29 Mar 2019 11:29

Tgt Ion: 45 Resp: 470

Ion Ratio Lower Upper

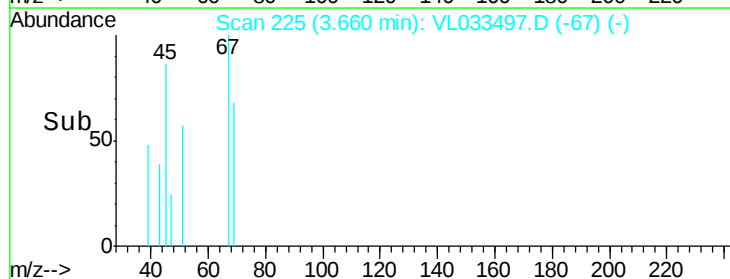
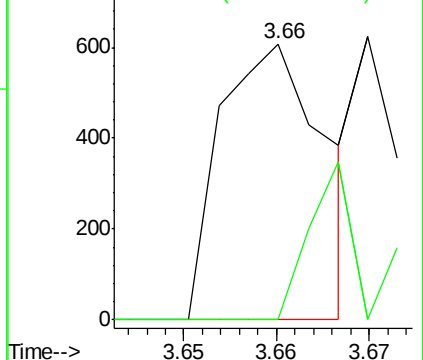
45 100

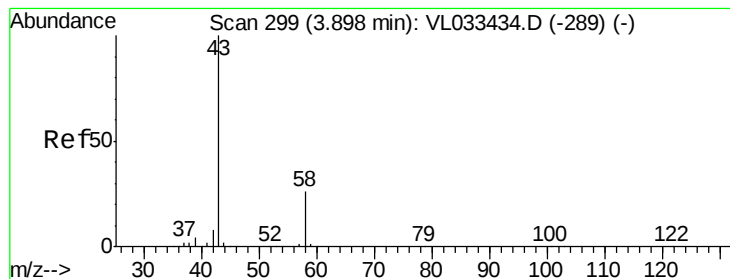
46 0.0 25.4 101.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.17 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.02 min

Lab File: VL033497.D

Acq: 29 Mar 2019 11:29

Instrument :

MSVOA_L

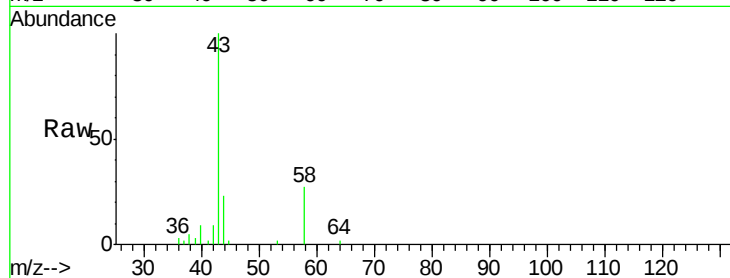
ClientSampleId :

Tot Ion: 43 Resp: 17002

Ion Ratio Lower Upper

43 100

58 30.4 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

12000

10000

8000

6000

4000

2000

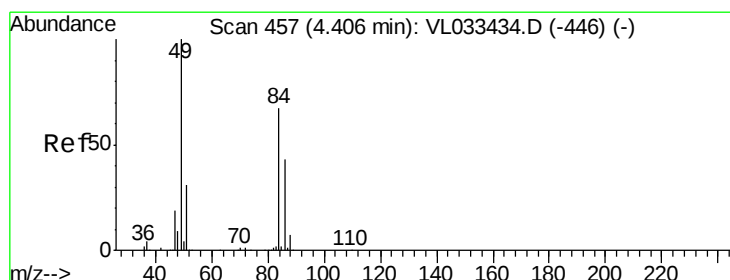
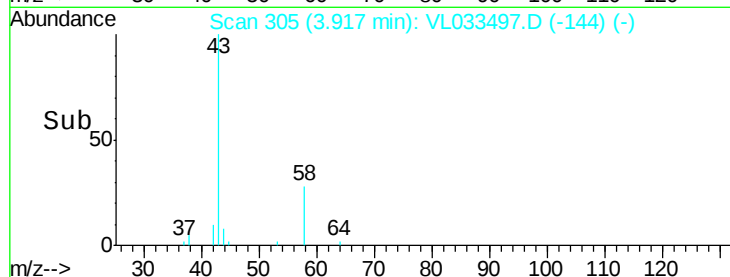
0

3.90

3.92

3.95

Time-->



#20

Methylene Chloride

Concen: 0.26 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033497.D

Acq: 29 Mar 2019 11:29

Tgt Ion: 84 Resp: 11498

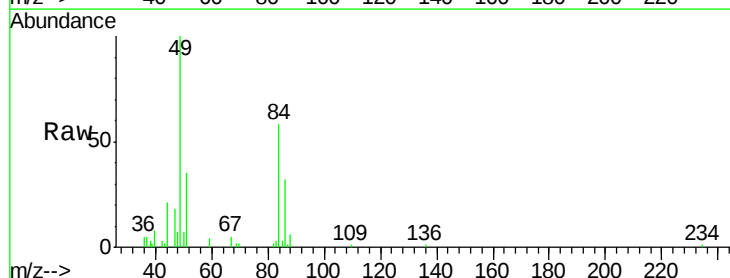
Ion Ratio Lower Upper

84 100

49 172.2 120.0 180.0

51 55.4 36.7 55.1#

86 54.8 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

15000

10000

5000

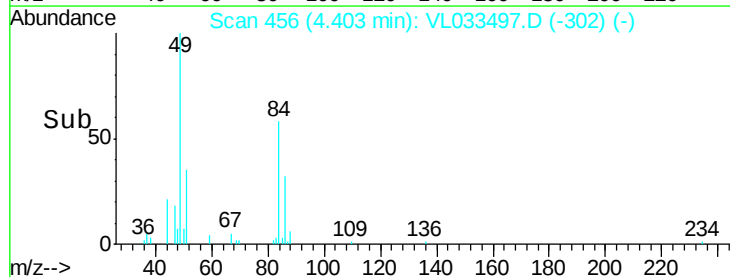
0

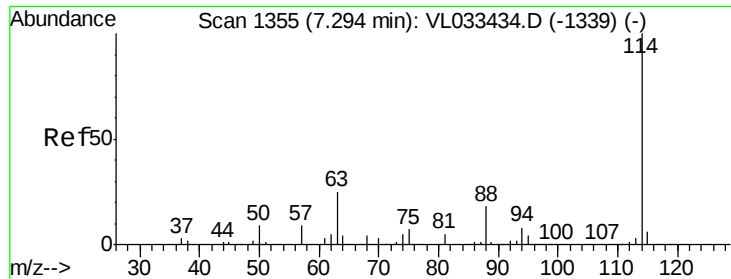
4.35

4.40

4.45

Time-->

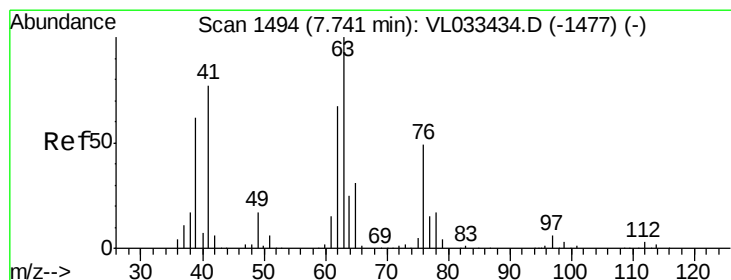
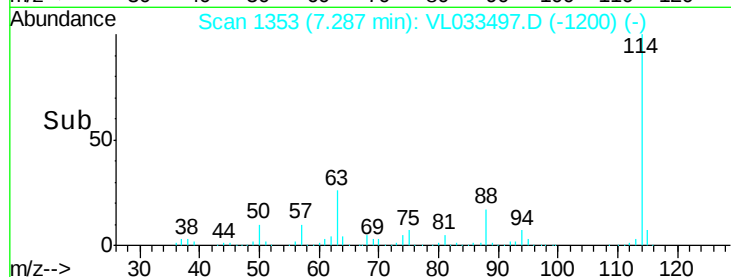
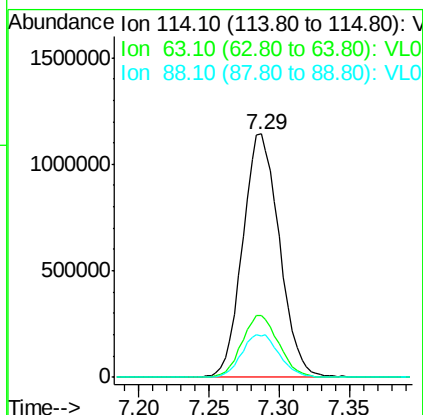
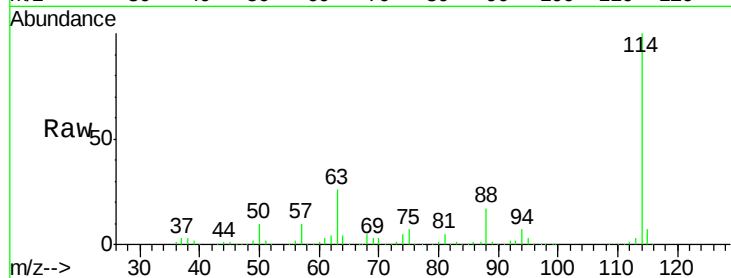




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033497.D
 Acq: 29 Mar 2019 11:29

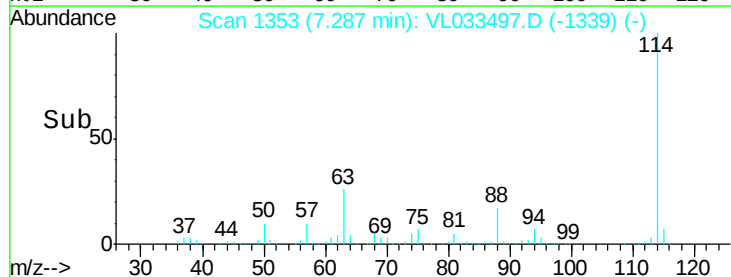
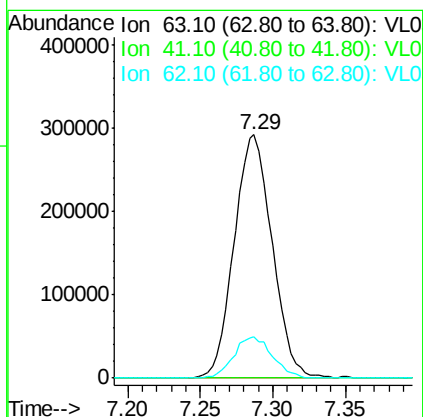
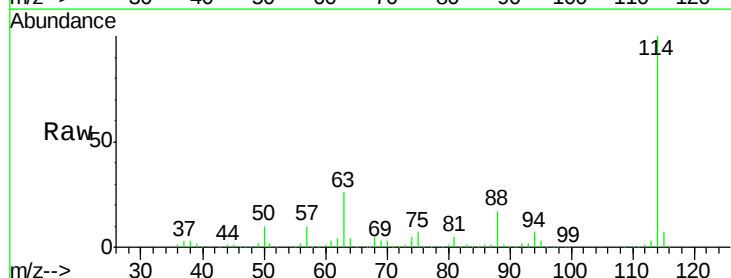
Instrument :
 MSVOA_L
 ClientSampleId :

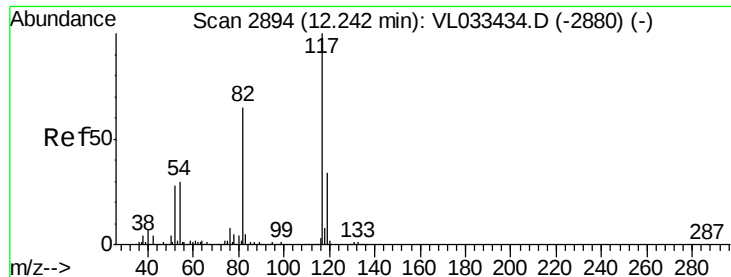
Tot Ion:114 Resp: 2088364
 Ion Ratio Lower Upper
 114 100
 63 25.5 21.5 32.3
 88 17.9 14.5 21.7



#39
 1,2-Dichloropropane
 Concen: 7.71 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033497.D
 Acq: 29 Mar 2019 11:29

Tgt Ion: 63 Resp: 529191
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 17.0 54.0 81.0#





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033497.D

Acq: 29 Mar 2019 11:29

Instrument :

MSVOA_L

ClientSampleId :

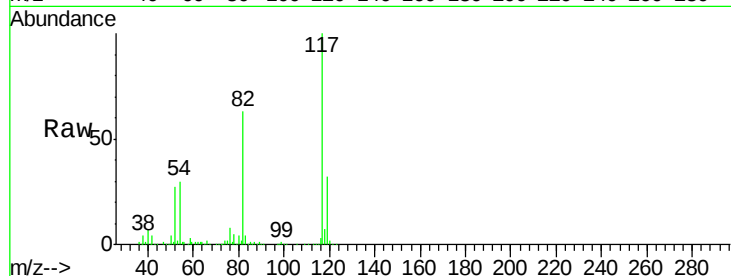
Tot Ion:117 Resp: 2085782

Ion Ratio Lower Upper

117 100

82 65.1 51.5 77.3

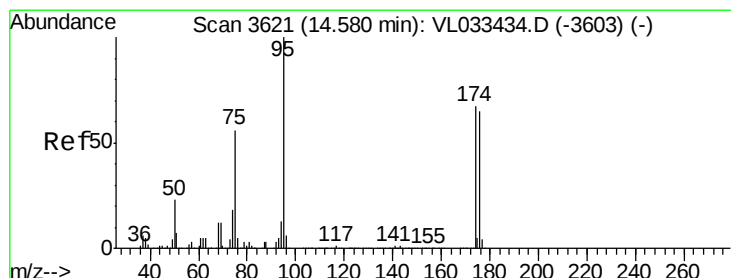
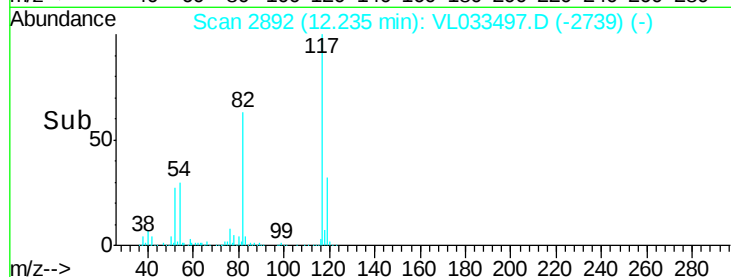
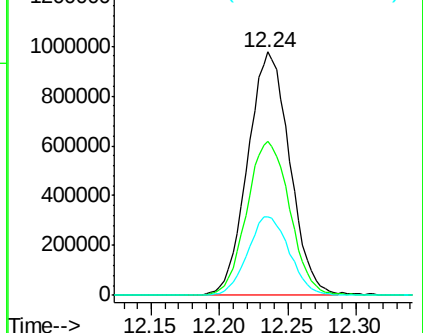
119 32.3 25.5 38.3



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: 9.87 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033497.D

Acq: 29 Mar 2019 11:29

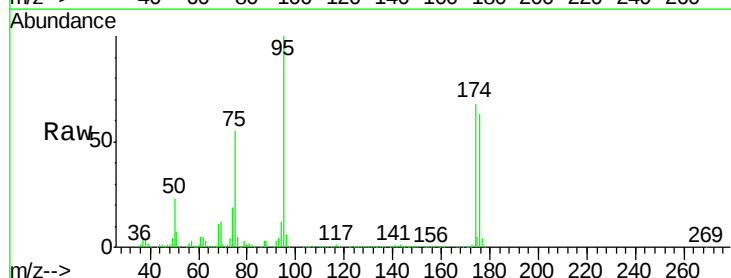
Tgt Ion: 95 Resp: 1613963

Ion Ratio Lower Upper

95 100

174 68.0 52.9 79.3

175 4.9 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

