

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033457.D
 Acq On : 26 Mar 2019 4:45
 Operator : SY/AP
 Sample : K1991-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Manual Integrations
 APPROVED

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 4/1/2019 1:23:14 AM

Quant Time: Mar 31 10:53:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 05:43:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	736313	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1722961	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1729160	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1335427	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	9929m	1.078	ppbv	
15) Acetone	3.91	43	225640	2.549	ppbv	95
53) Toluene	9.94	91	38553m	0.229	ppbv	

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

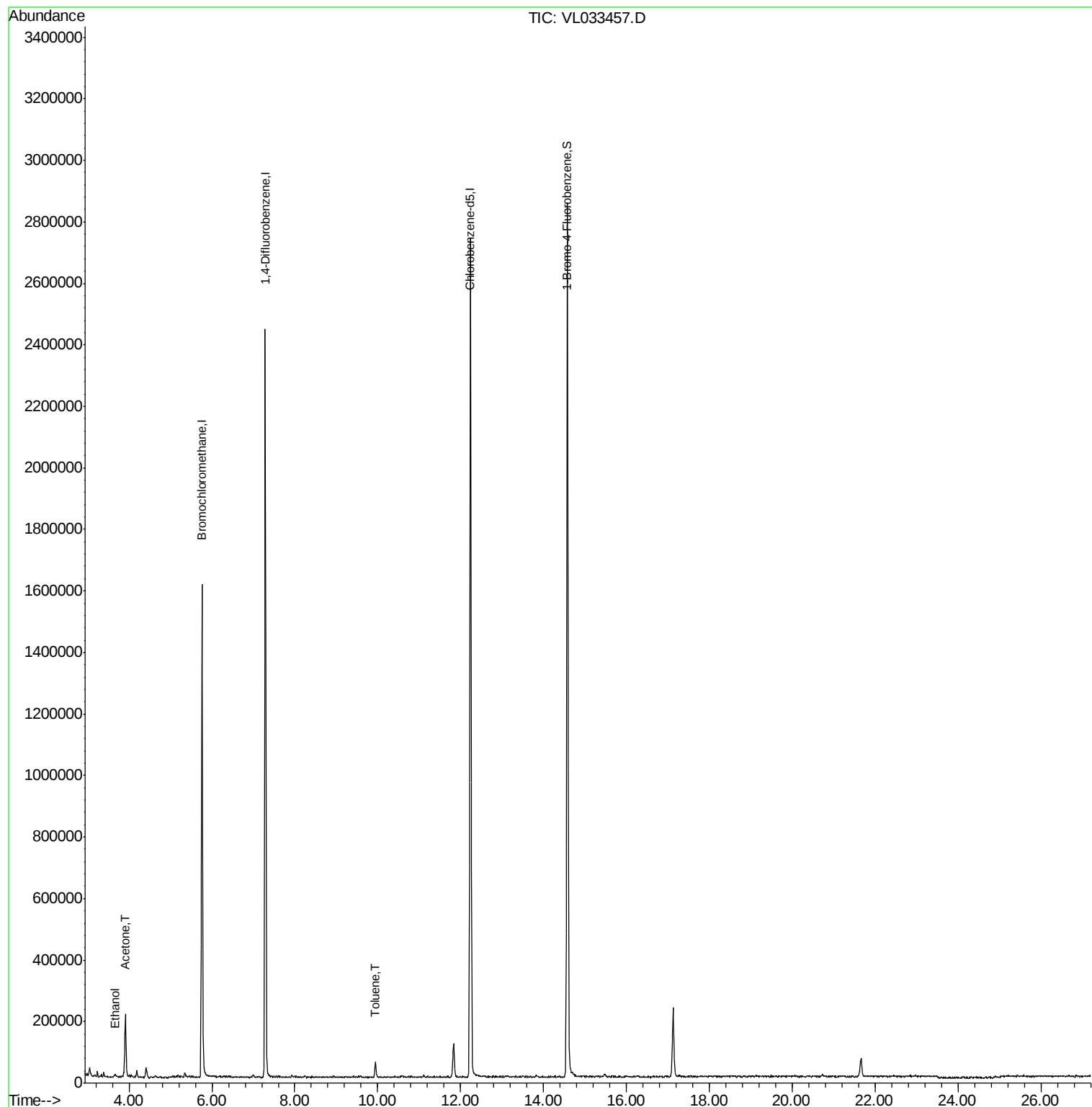
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
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QLast Update : Tue Mar 26 05:43:39 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033457.D

Acq: 26 Mar 2019 4:45

Instrument :

MSVOA_L

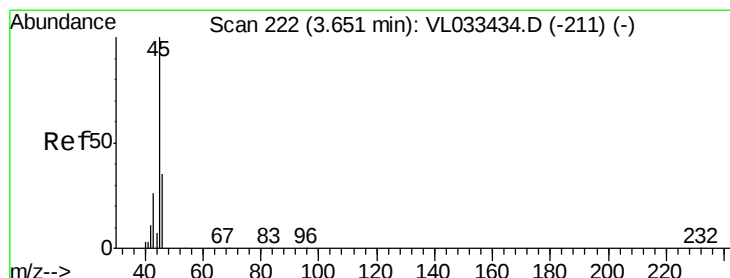
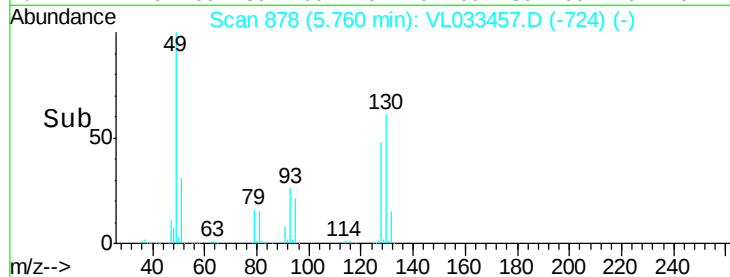
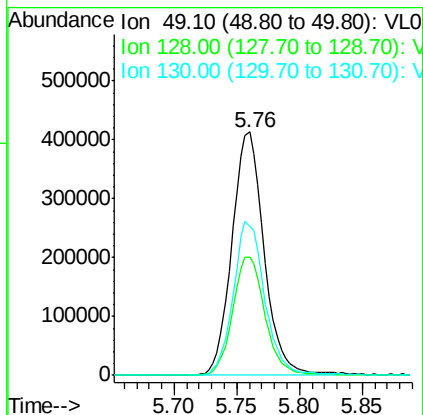
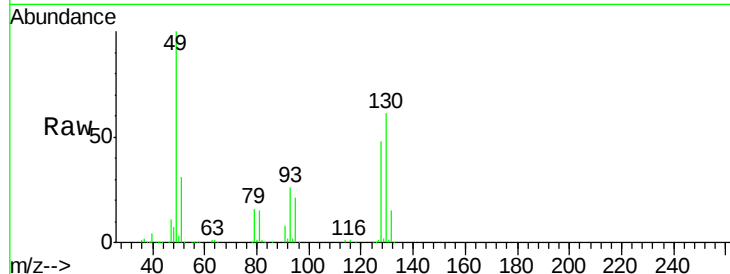
ClientSampleId :

IA-4DL

Tot Ion	49	Resp	736313
Ion	Ratio	Lower	Upper
49	100		
128	49.4	24.0	72.0
130	62.4	31.2	93.6

Manual Integrations
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#13

Ethanol

Concen: 1.078 ppbv m

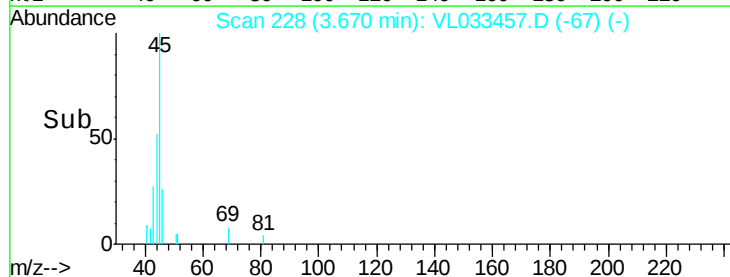
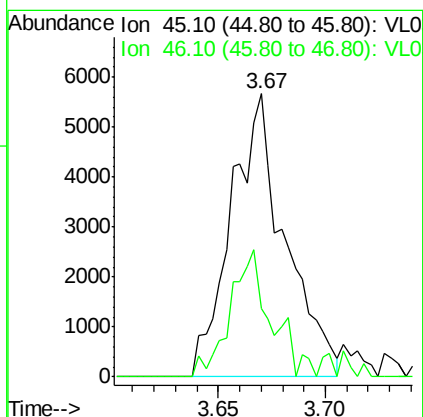
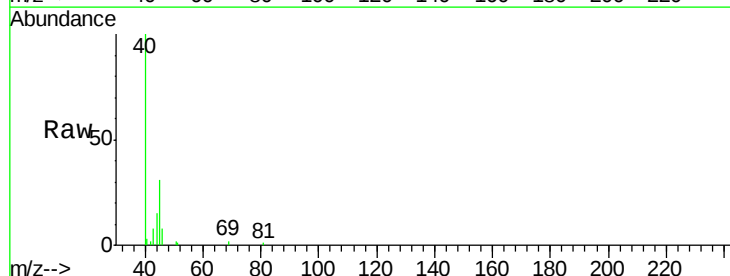
RT: 3.67 min Scan# 228

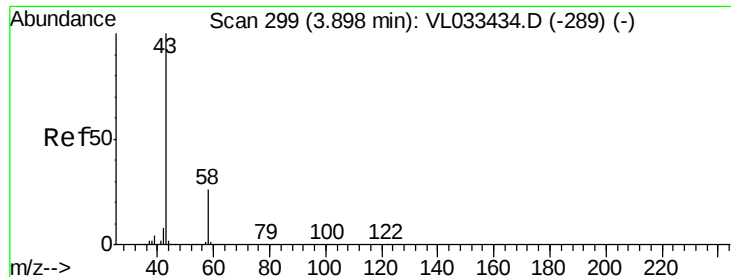
Delta R.T. 0.02 min

Lab File: VL033457.D

Acq: 26 Mar 2019 4:45

Tgt Ion	45	Resp	9929
Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#





#15

Acetone

Concen: 2.549 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033457.D

Acq: 26 Mar 2019 4:45

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL

Tot Ion: 43 Resp: 225640

Ion Ratio Lower Upper

43 100

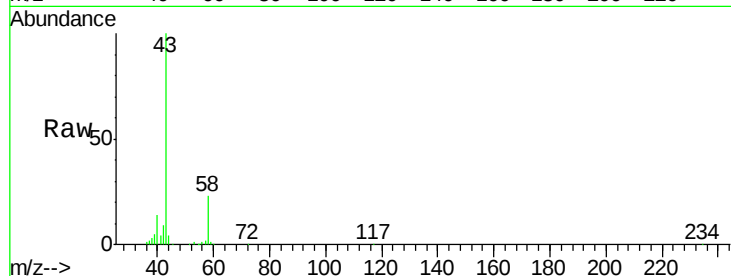
58 23.2 20.5 30.7

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

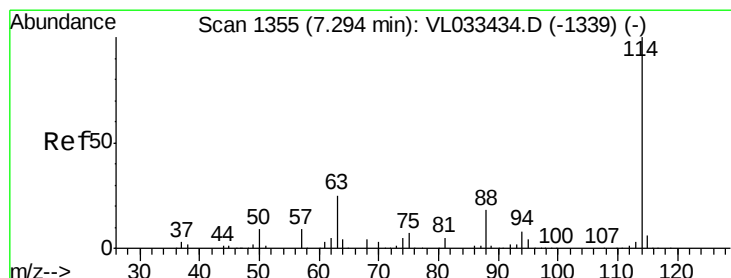
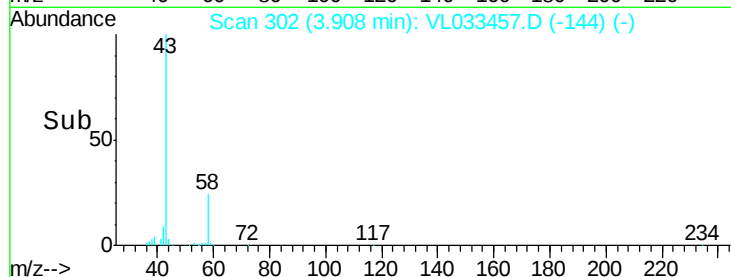
100000

50000

0

3.85 3.90 3.95

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033457.D

Acq: 26 Mar 2019 4:45

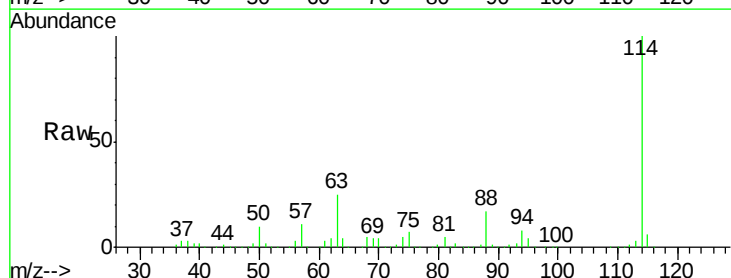
Tgt Ion: 114 Resp: 1722961

Ion Ratio Lower Upper

114 100

63 26.0 21.5 32.3

88 18.0 14.5 21.7



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

1200000

1000000

800000

600000

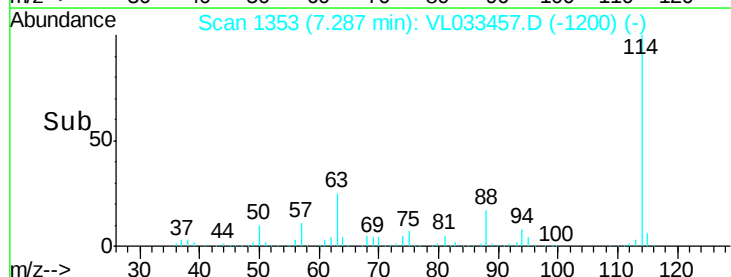
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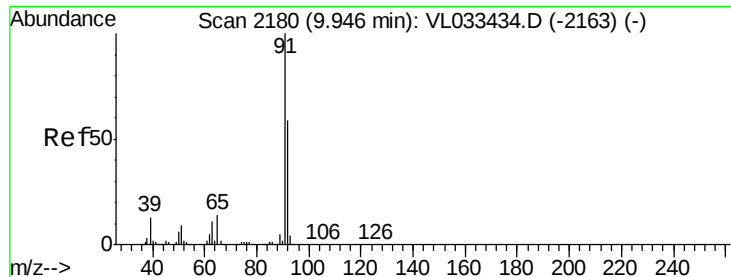
200000

0

7.20 7.25 7.30 7.35

Time-->





#53

Toluene

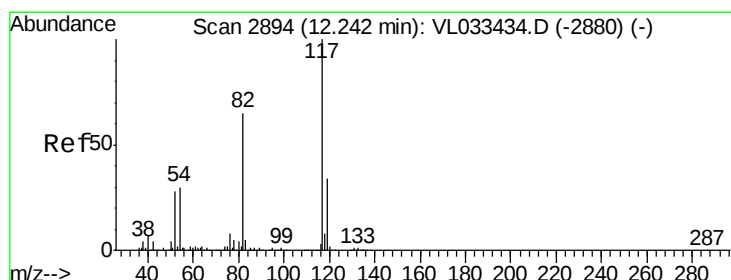
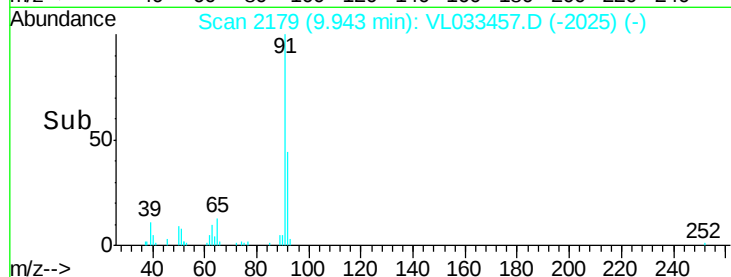
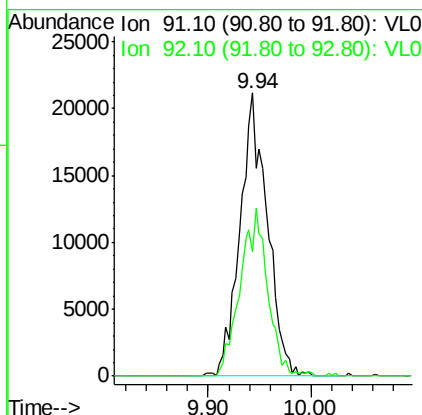
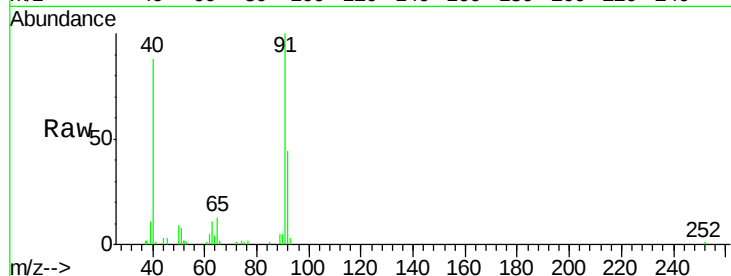
Concen: 0.229 ppbv m
 RT: 9.94 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL033457.D
 Acq: 26 Mar 2019 4:45

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Tot Ion: 91 Resp: 38553
 Ion Ratio Lower Upper
 91 100
 92 0.0 47.4 71.0#

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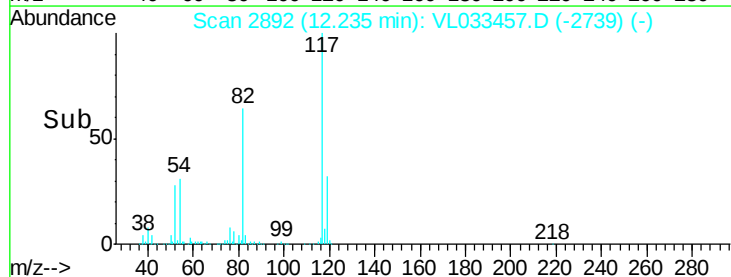
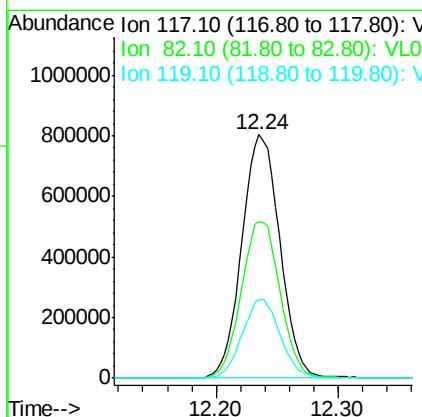
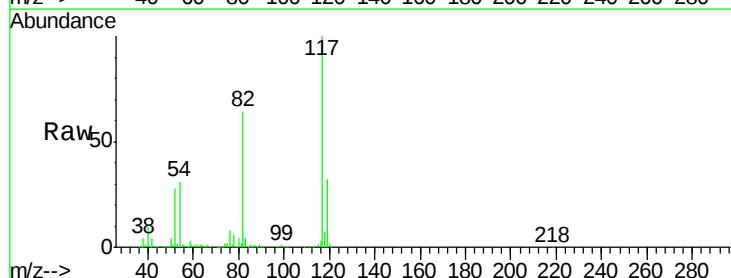


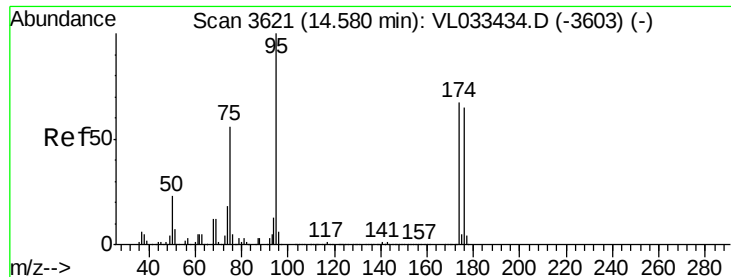
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033457.D
 Acq: 26 Mar 2019 4:45

Tgt Ion: 117 Resp: 1729160
 Ion Ratio Lower Upper
 117 100
 82 65.9 51.5 77.3
 119 32.4 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.851 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033457.D
 Acq: 26 Mar 2019 4:45

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.9	52.9	79.3
175	4.8	3.8	5.6

Manual Integrations
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