

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032834.D
 Acq On : 29 Nov 2018 14:42
 Operator : SY/AP
 Sample : J6046-07DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-02DL

Quant Time: Dec 03 12:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1409245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3505592	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3354928	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2547118	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

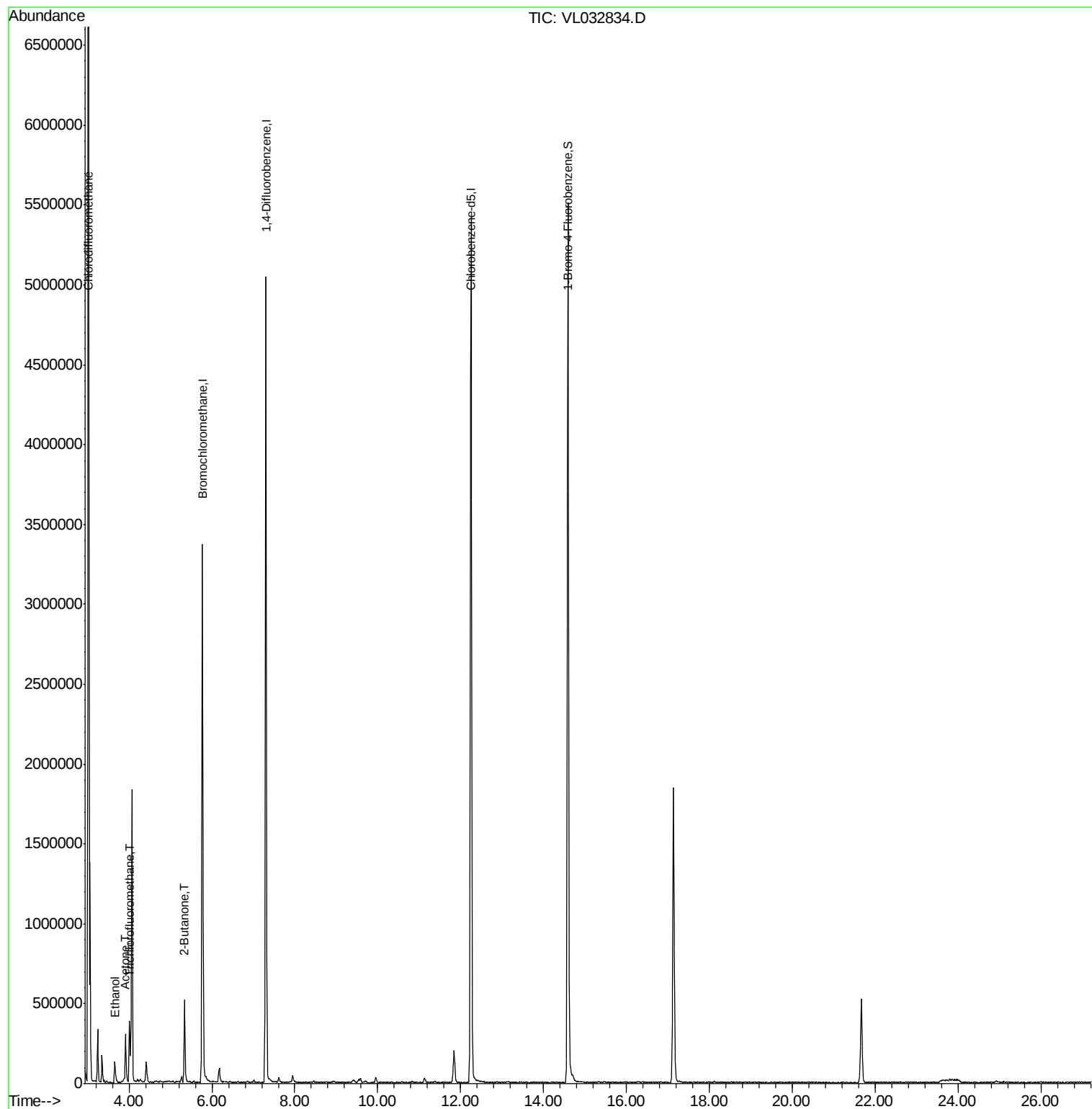
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	8504439	76.119	ppbv	98
11) Trichlorofluoromethane	4.01	101	251203	1.316	ppbv	94
13) Ethanol	3.66	45	131705	8.993	ppbv	98
15) Acetone	3.91	43	279304	2.170	ppbv #	76
34) 2-Butanone	5.34	43	533433	2.934	ppbv	100

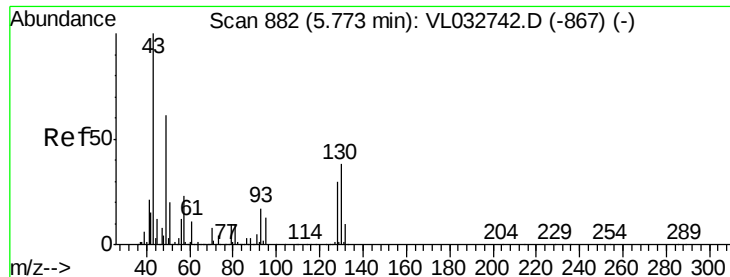
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
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QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032834.D

Acq: 29 Nov 2018 14:42

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-02DL

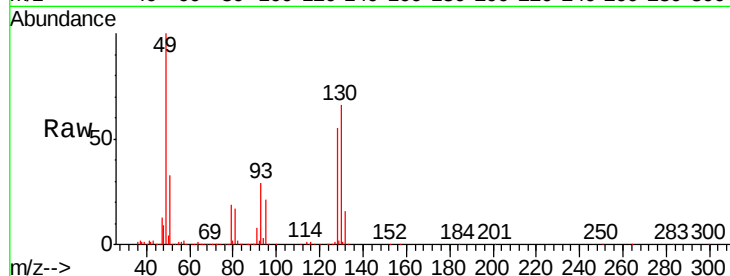
Tgt Ion: 49 Resp: 1409245

Ion Ratio Lower Upper

49 100

128 52.2 24.9 74.6

130 67.2 31.4 94.2

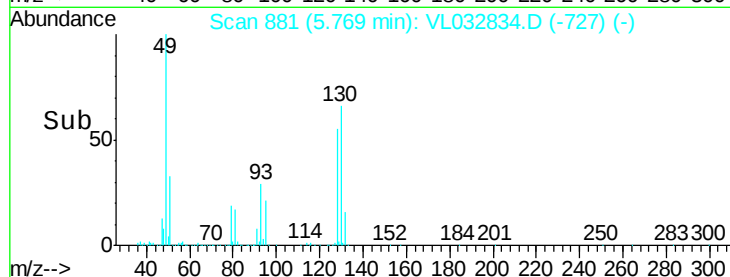


Abundance Ion 49.10 (48.80 to 49.80): VL0

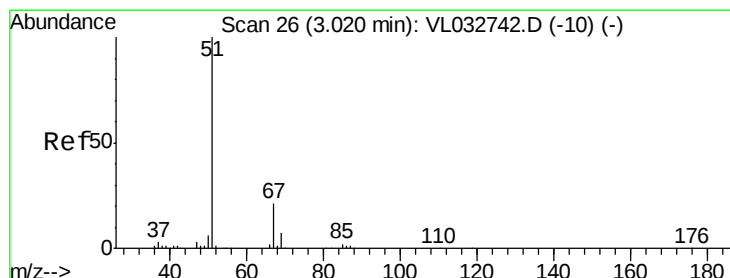
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 76.119 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032834.D

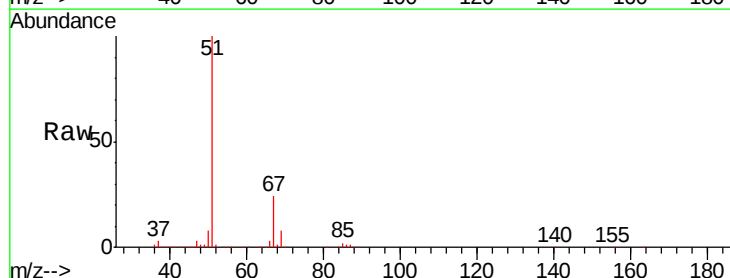
Acq: 29 Nov 2018 14:42

Tgt Ion: 51 Resp: 8504439

Ion Ratio Lower Upper

51 100

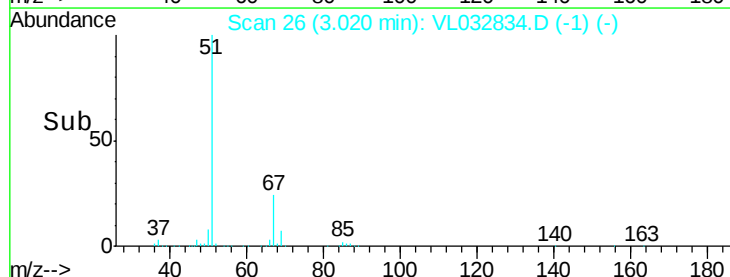
67 20.9 16.1 24.1



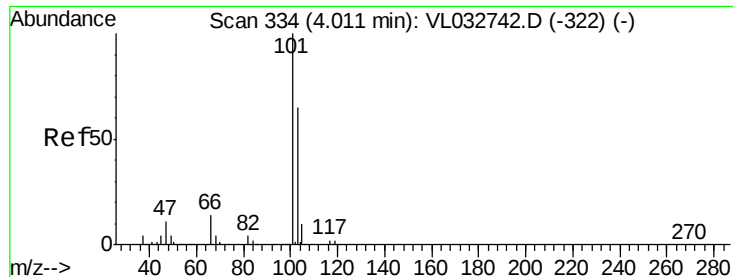
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

Time-->



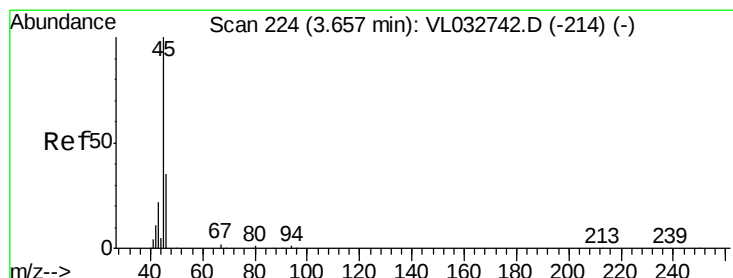
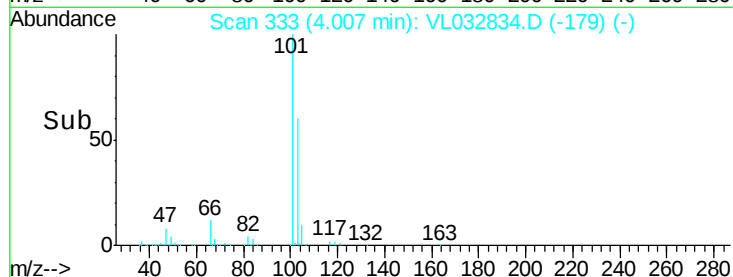
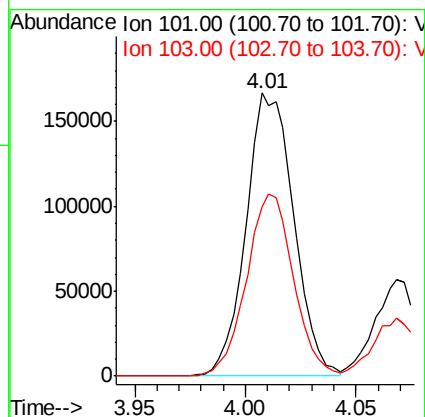
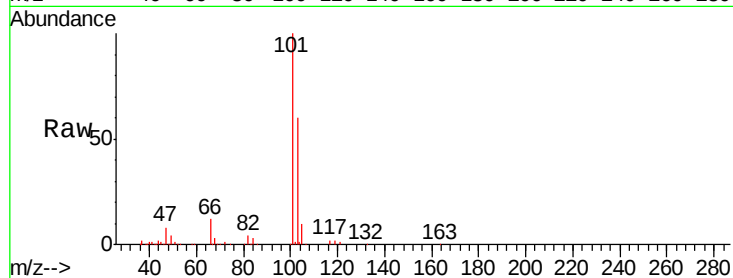
Time-->



#11
 Trichlorofluoromethane
 Concen: 1.316 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL032834.D
 Acq: 29 Nov 2018 14:42

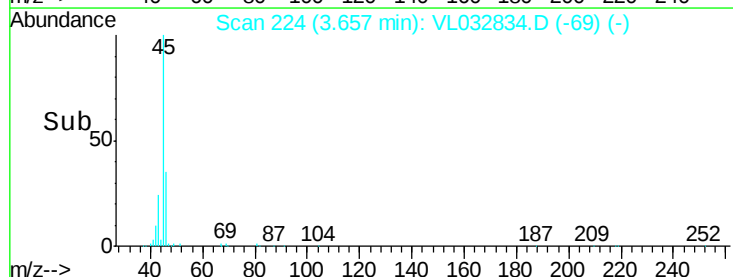
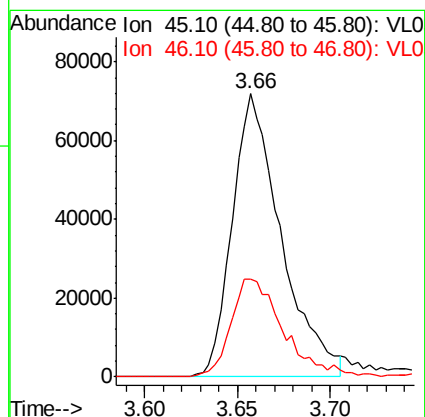
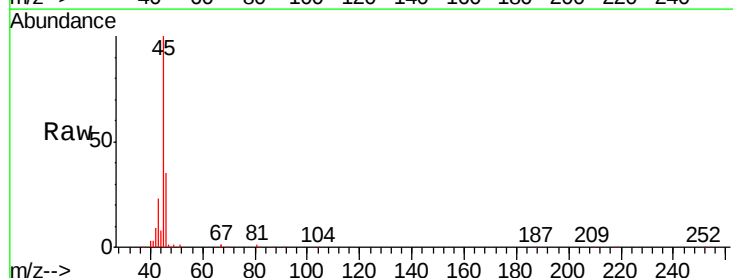
Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-SV-02DL

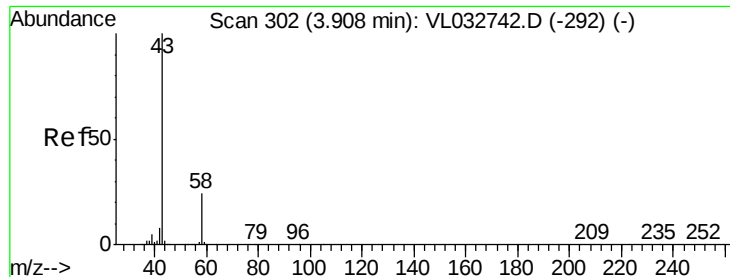
Tgt Ion: 101 Resp: 251203
 Ion Ratio Lower Upper
 101 100
 103 59.8 51.6 77.4



#13
 Ethanol
 Concen: 8.993 ppbv
 RT: 3.66 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: VL032834.D
 Acq: 29 Nov 2018 14:42

Tgt Ion: 45 Resp: 131705
 Ion Ratio Lower Upper
 45 100
 46 37.2 14.5 57.9





#15

Acetone

Concen: 2.170 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032834.D

Acq: 29 Nov 2018 14:42

Instrument :

MSVOA_L

ClientSampleId :

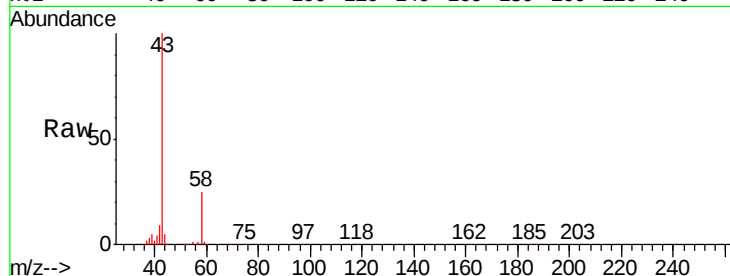
EP2-SV-02DL

Tgt Ion: 43 Resp: 279304

Ion Ratio Lower Upper

43 100

58 38.6 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

200000

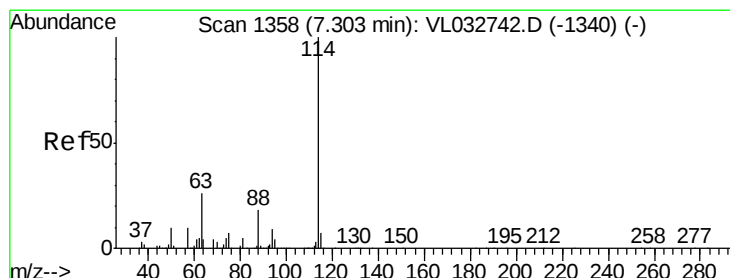
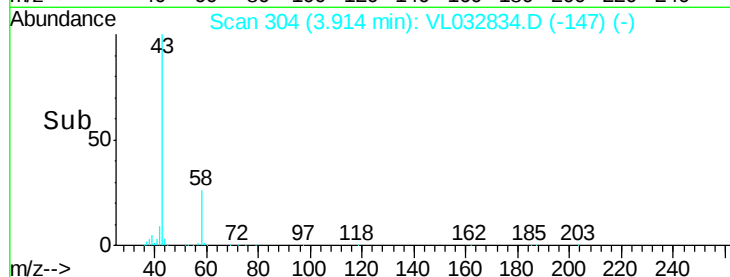
150000

100000

50000

0

Time--> 3.85 3.90 3.95



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032834.D

Acq: 29 Nov 2018 14:42

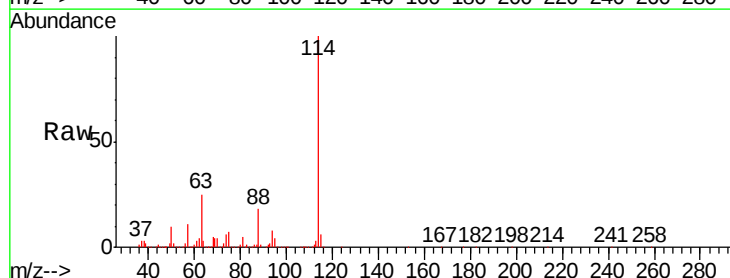
Tgt Ion: 114 Resp: 3505592

Ion Ratio Lower Upper

114 100

63 25.2 20.9 31.3

88 17.8 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

7.30

2500000

2000000

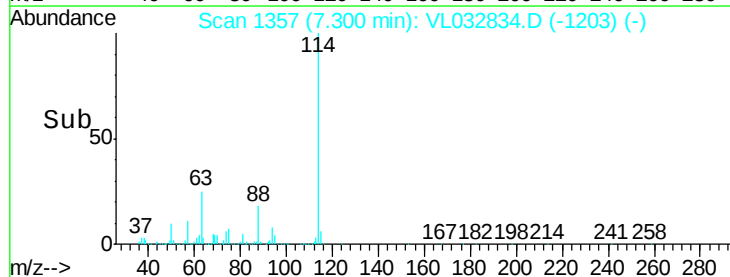
1500000

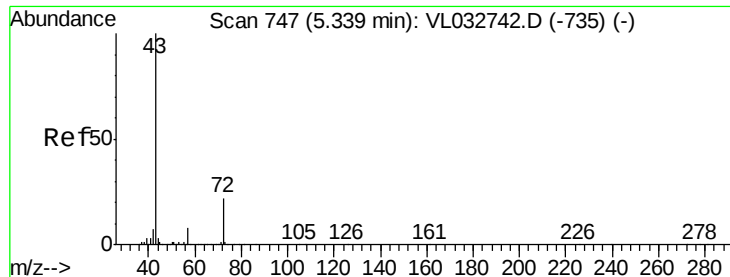
1000000

500000

0

Time--> 7.20 7.25 7.30 7.35 7.40

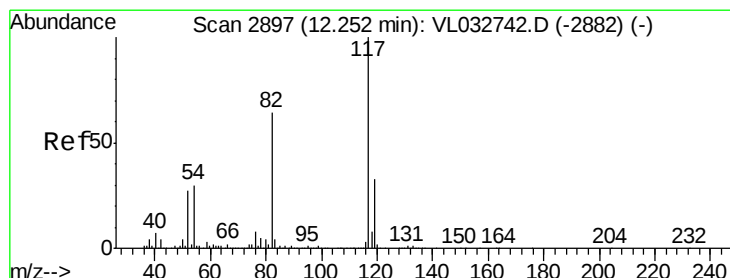
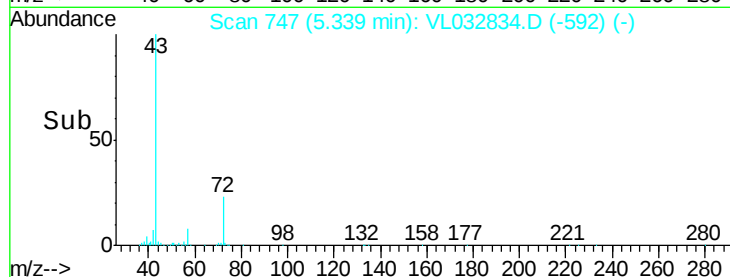
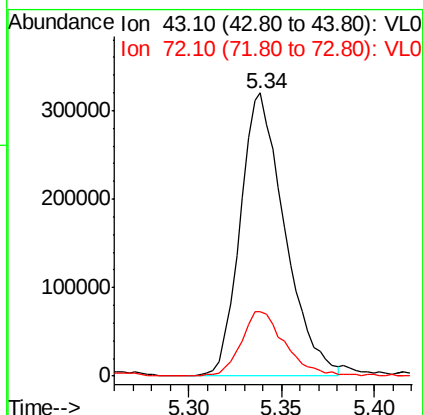
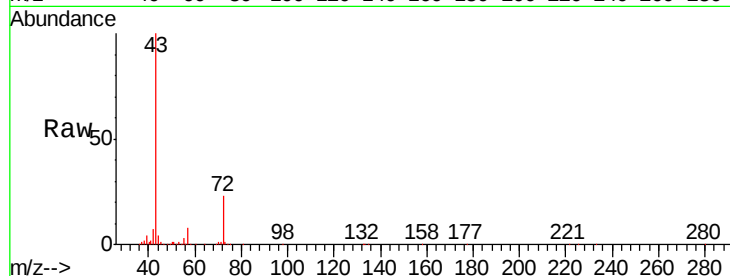




#34
2-Butanone
Concen: 2.934 ppbv
RT: 5.34 min Scan# 747
Delta R.T. -0.00 min
Lab File: VL032834.D
Acq: 29 Nov 2018 14:42

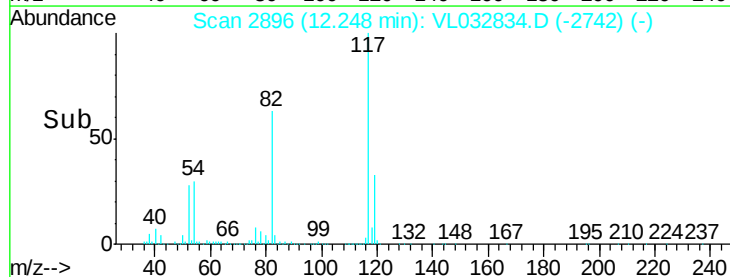
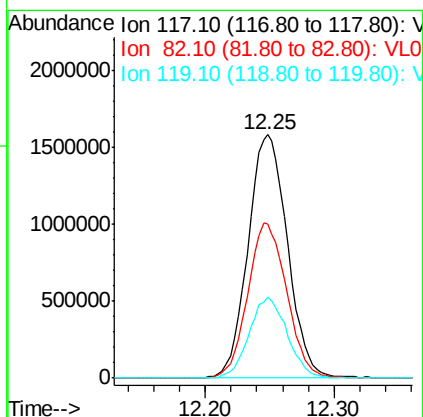
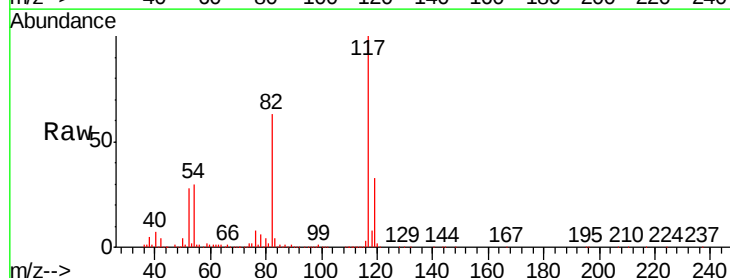
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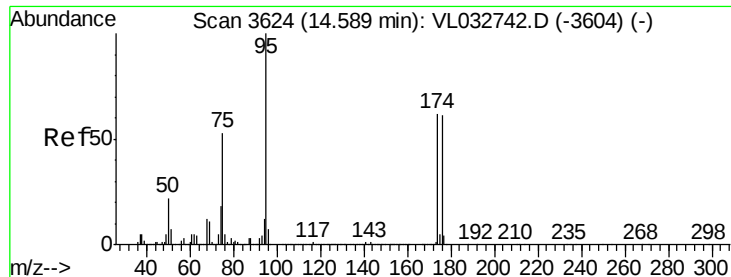
Tgt Ion: 43 Resp: 533433
Ion Ratio Lower Upper
43 100
72 23.1 18.4 27.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032834.D
Acq: 29 Nov 2018 14:42

Tgt Ion: 117 Resp: 3354928
Ion Ratio Lower Upper
117 100
82 63.8 51.0 76.6
119 32.2 28.0 42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.151 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032834.D

Acq: 29 Nov 2018 14:42

Instrument :

MSVOA_L

ClientSampleId :

EP2-SV-02DL

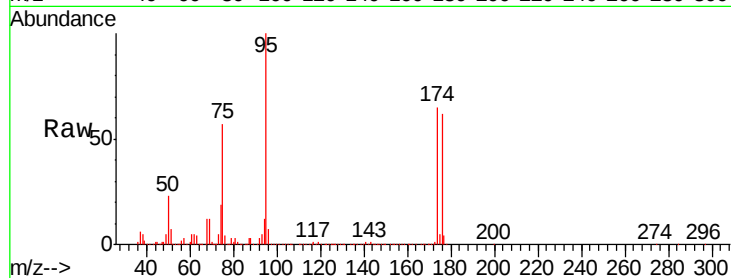
Tgt Ion: 95 Resp: 2547118

Ion Ratio Lower Upper

95 100

174 66.0 50.7 76.1

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

