

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034632.D
 Acq On : 18 Feb 2020 20:19
 Operator : SY/AP
 Sample : L1532-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-PRSSDL

Manual Integrations
 APPROVED

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 2/21/2020 3:26:05 PM

Quant Time: Feb 20 16:57:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	911716	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1893075	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1878074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1607720	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	18398m	1.601	ppbv	
15) Acetone	3.82	43	309865	2.313	ppbv	96
52) Tetrachloroethene	11.24	164	36772m	0.544	ppbv	

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

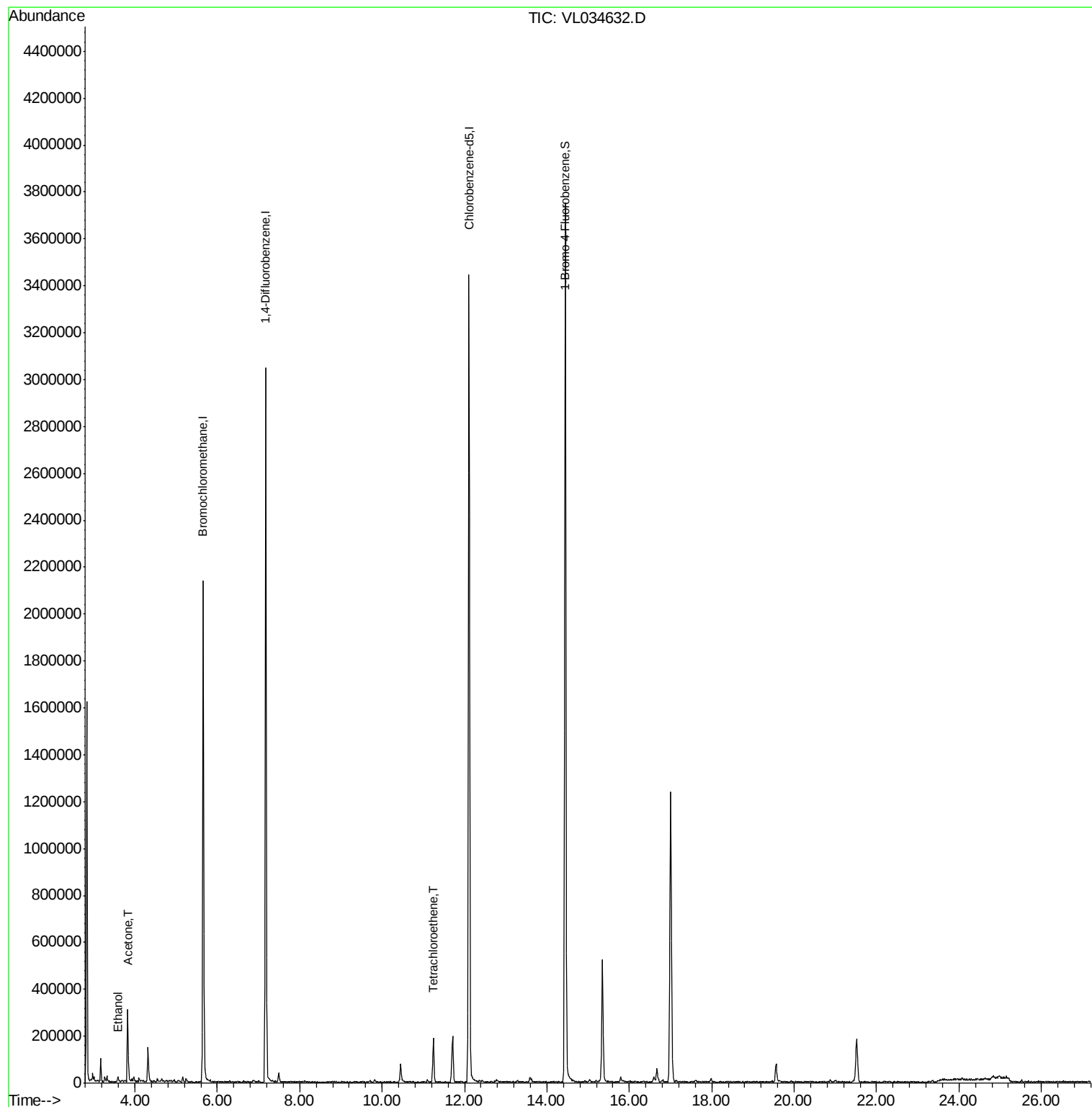
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021820\
Data File : VL034632.D
Acq On : 18 Feb 2020 20:19
Operator : SY/AP
Sample : L1532-07DL 10X
Misc : 400ml/MSVOA L
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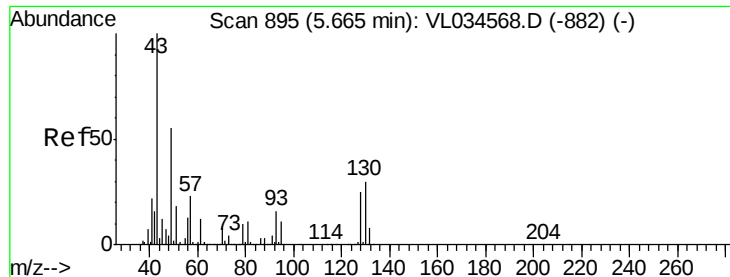
Instrument :
MSVOA_L
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Quant Time: Feb 20 16:57:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034632.D

Acq: 18 Feb 2020 20:19

Instrument :

MSVOA_L

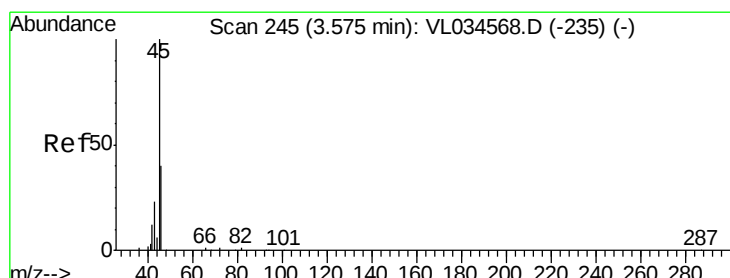
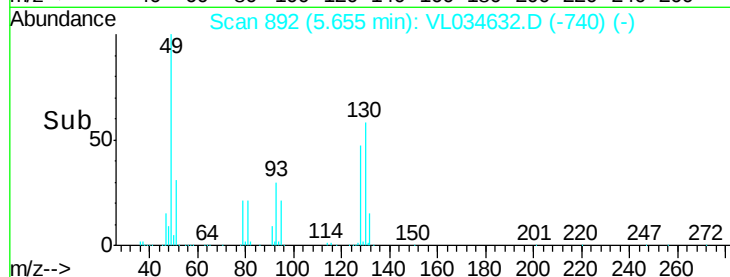
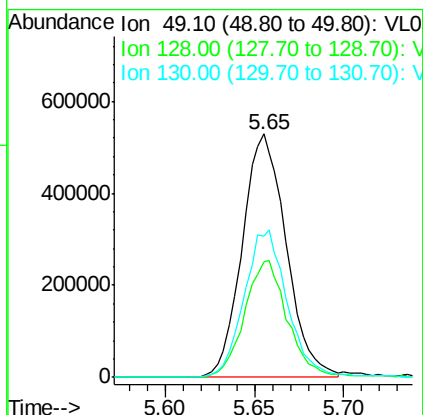
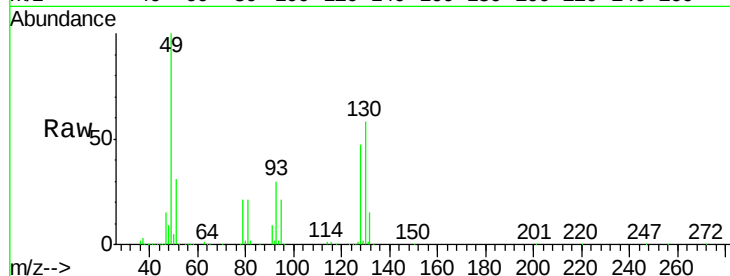
ClientSampleId :

IR-PRSSDL

Tot Ion:	49	Resp:	911716
Ion	Ratio	Lower	Upper
49	100		
128	47.3	22.7	68.1
130	59.9	28.6	85.8

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#13

Ethanol

Concen: 1.601 ppbv m

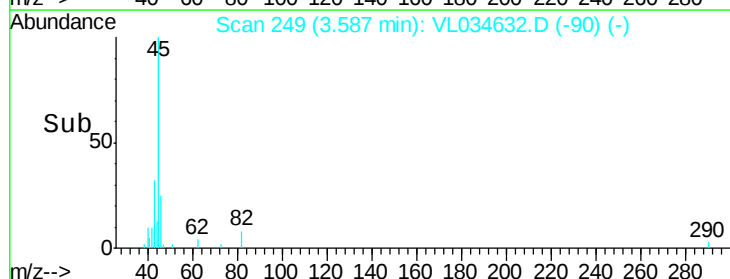
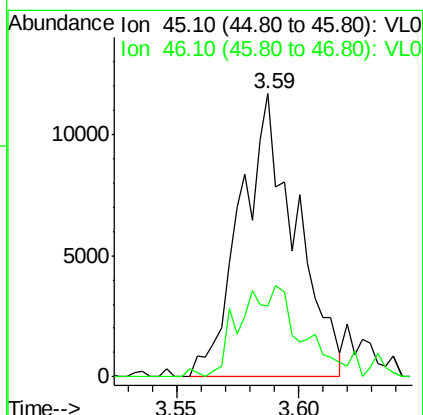
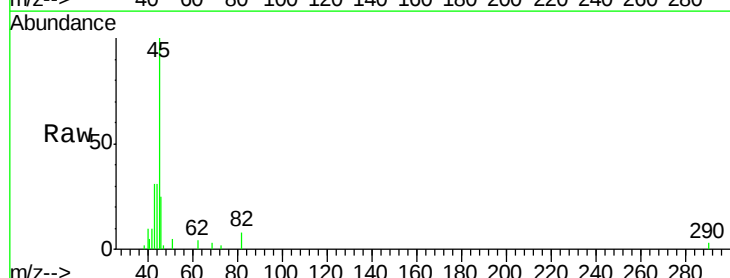
RT: 3.59 min Scan# 249

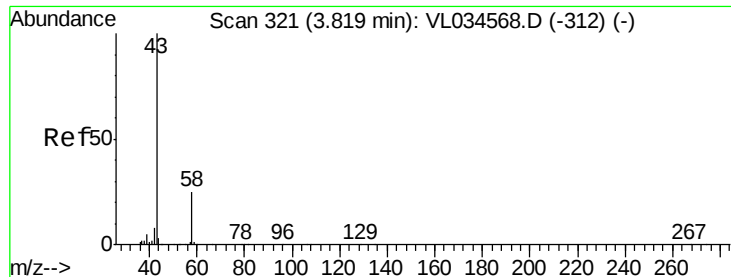
Delta R.T. 0.01 min

Lab File: VL034632.D

Acq: 18 Feb 2020 20:19

Tgt Ion:	45	Resp:	18398
Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.8	59.2#





#15

Acetone

Concen: 2.313 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034632.D

Acq: 18 Feb 2020 20:19

Instrument :

MSVOA_L

ClientSampleId :

IR-PRSSDL

Tot Ion: 43 Resp: 309865

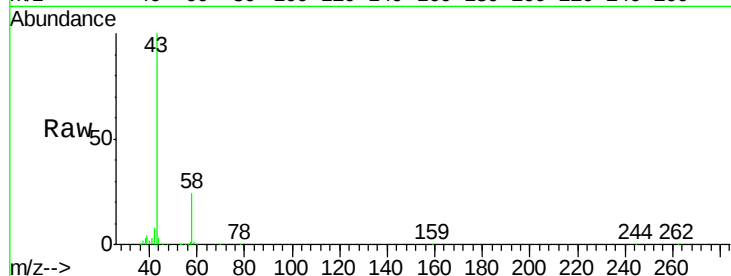
Ion Ratio Lower Upper

43 100

58 27.5 20.3 30.5

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

200000

150000

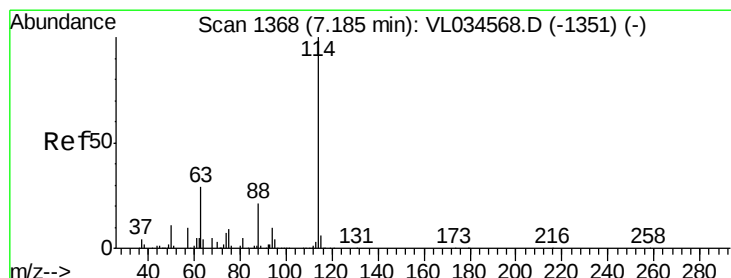
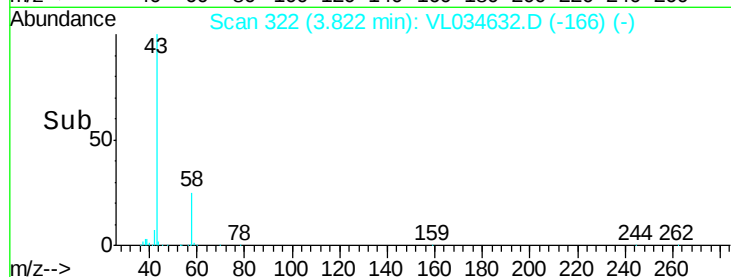
100000

50000

0

3.80 3.85

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL034632.D

Acq: 18 Feb 2020 20:19

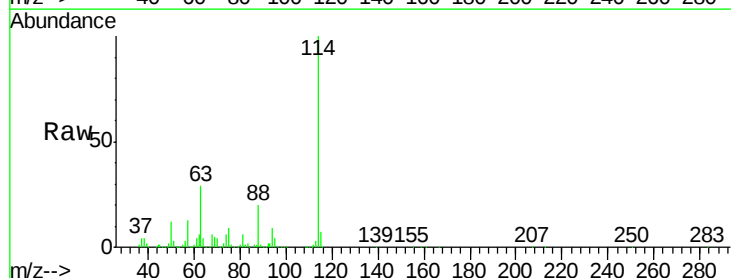
Tgt Ion: 114 Resp: 1893075

Ion Ratio Lower Upper

114 100

63 29.3 24.1 36.1

88 19.3 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

7.18

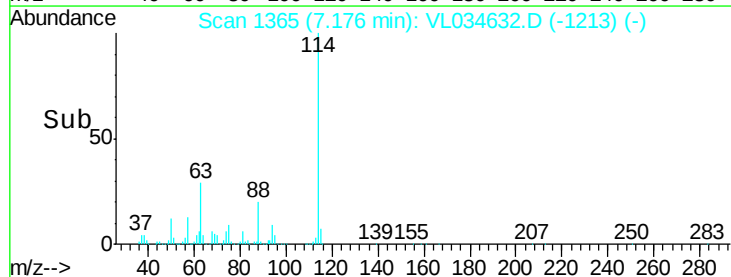
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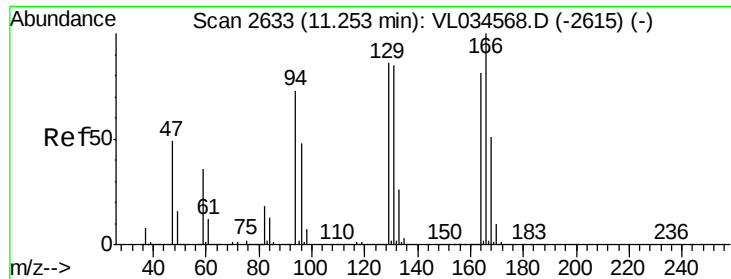
500000

0

7.10 7.15 7.20 7.25

Time-->





#52

Tetrachloroethene

Concen: 0.544 ppbv m

RT: 11.24 min Scan# 2630

Delta R.T. -0.01 min

Lab File: VL034632.D

Acq: 18 Feb 2020 20:19

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IR-PRSSDL

Tot Ion:164 Resp: 36772

Ion Ratio Lower Upper

164 100

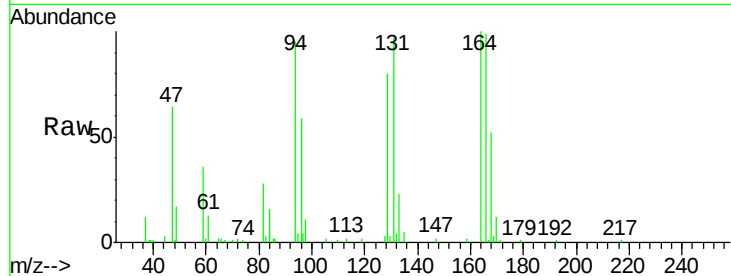
166 98.6 99.0 148.4#

129 80.1 85.3 127.9#

131 96.7 84.2 126.2

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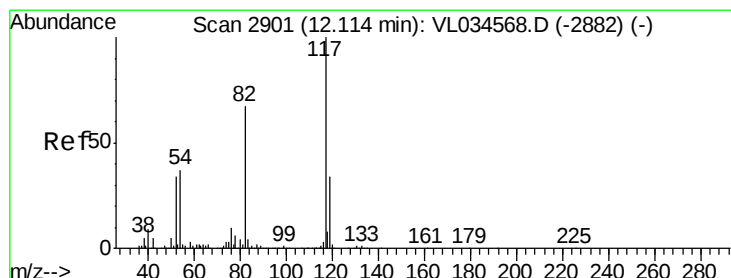
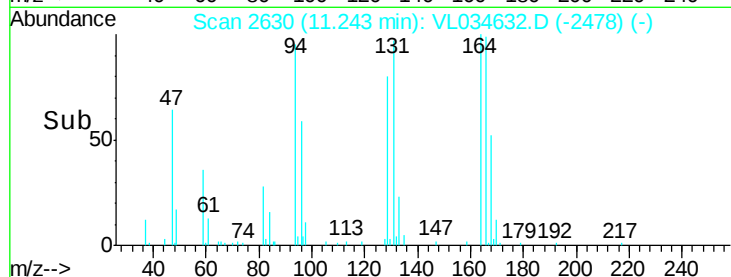
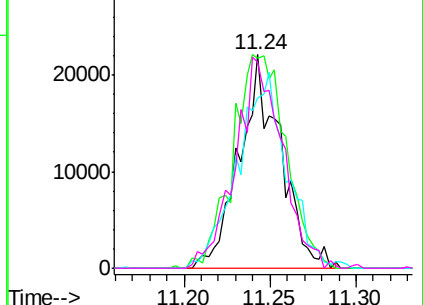


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL034632.D

Acq: 18 Feb 2020 20:19

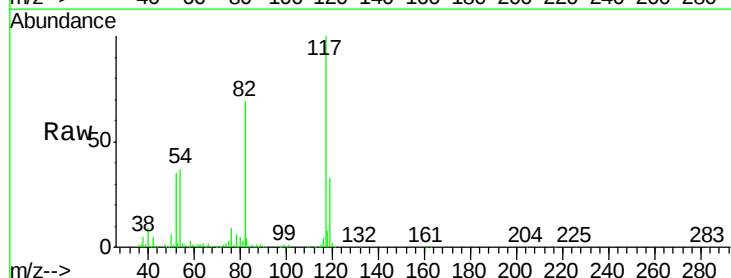
Tgt Ion:117 Resp: 1878074

Ion Ratio Lower Upper

117 100

82 70.9 54.2 81.4

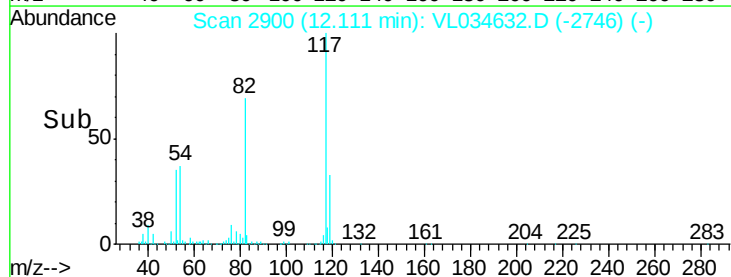
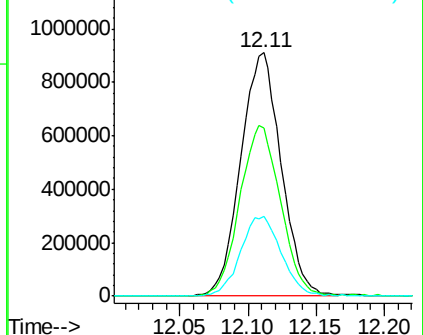
119 33.1 26.1 39.1

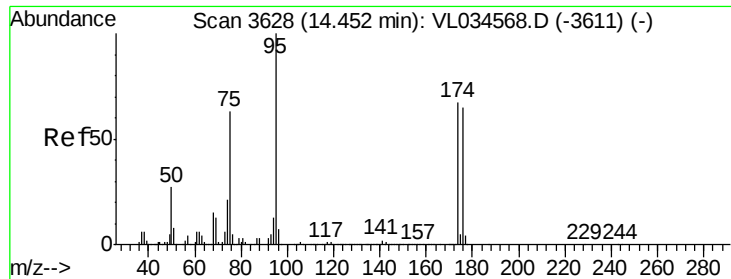


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.129 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL034632.D
 Acq: 18 Feb 2020 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-PRSSDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	64.2	52.3	78.5
175	4.5	3.8	5.6

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