

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033943.D
 Acq On : 24 Jun 2019 19:16
 Operator : SY/AP
 Sample : K3481-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-OUTDOOR-AIR-2DL

Manual Integrations
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 6/26/2019 8:15:41 AM

Quant Time: Jun 25 04:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	837885	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1951725	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2049322	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	1644301	9.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%
Target Compounds						
13) Ethanol	3.66	45	12268m	1.022	ppbv	
15) Acetone	3.90	43	61844	0.506	ppbv	95
53) Toluene	9.92	91	150800	0.914	ppbv	94

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

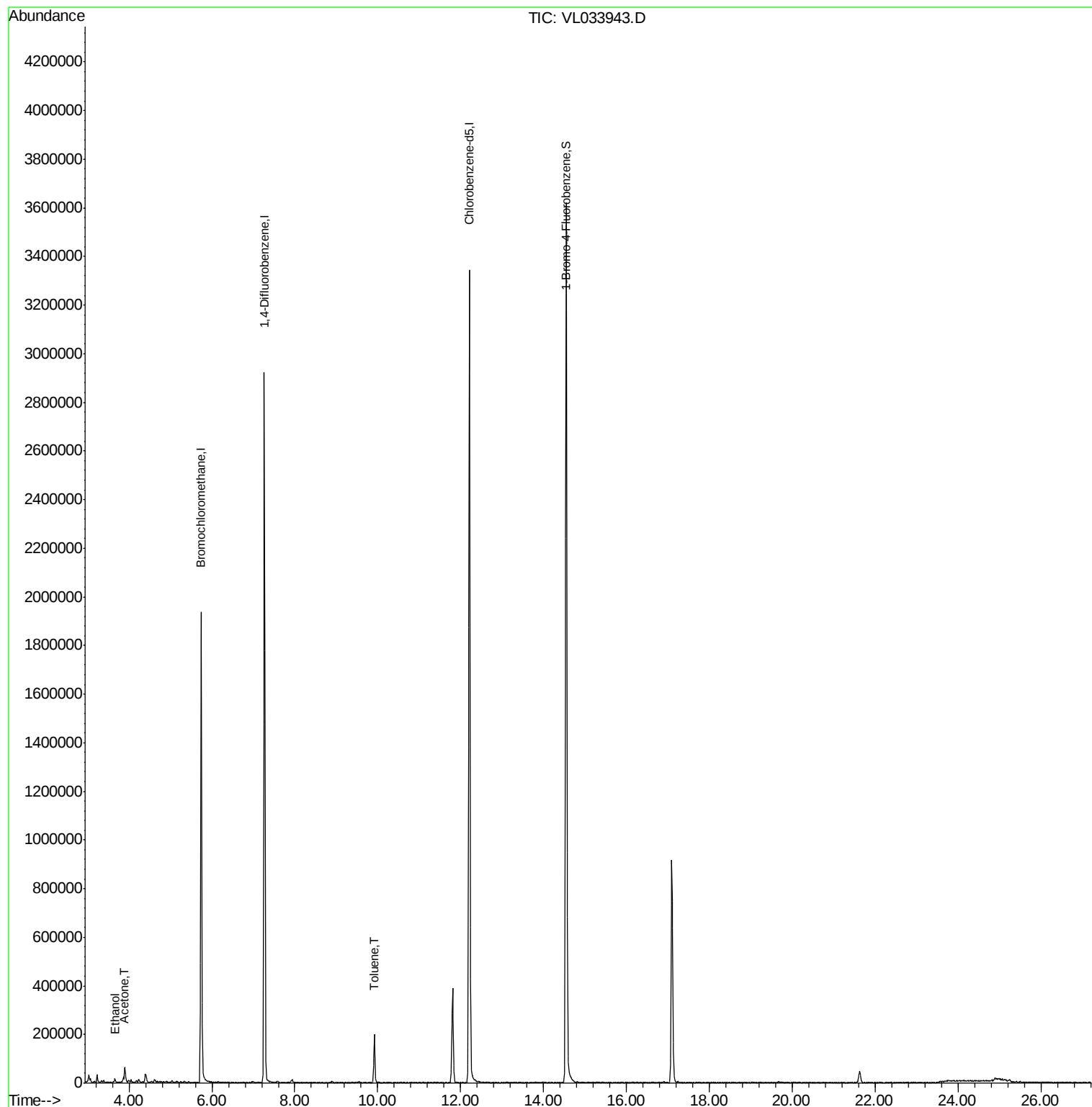
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062419\
Data File : VL033943.D
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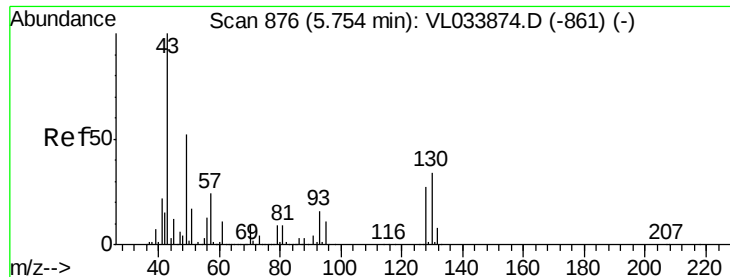
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.02 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Instrument :

MSVOA_L

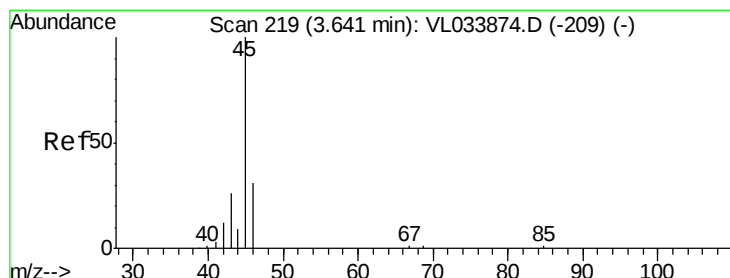
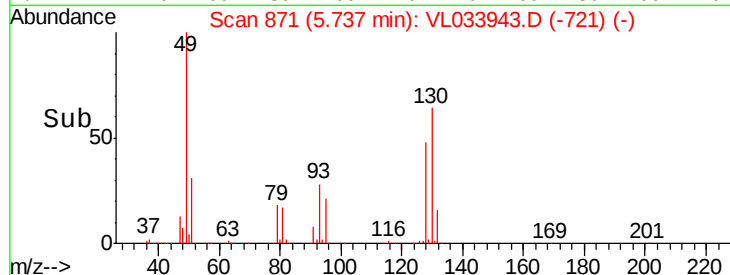
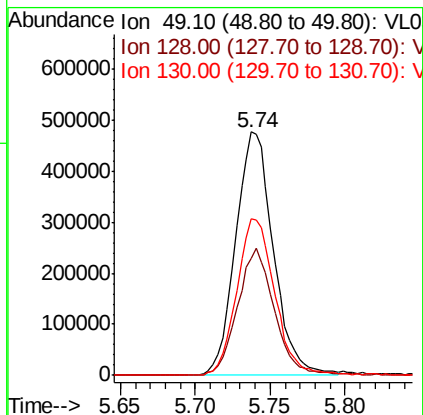
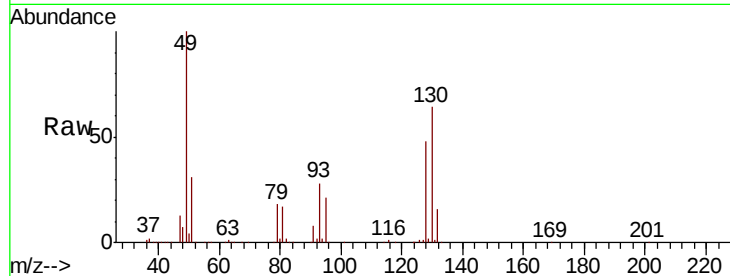
ClientSampleId :

TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion: 49 Resp: 837885
 Ion Ratio Lower Upper
 49 100
 128 51.0 25.5 76.5
 130 65.1 32.5 97.4

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#13

Ethanol

Concen: 1.022 ppbv m

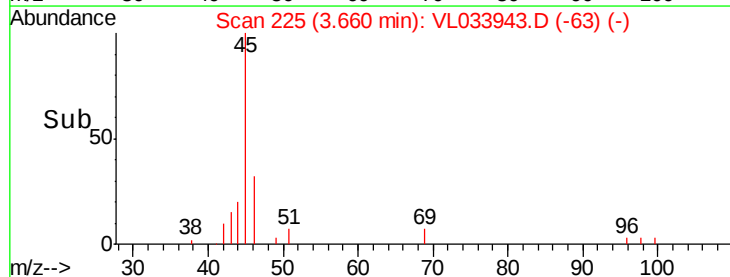
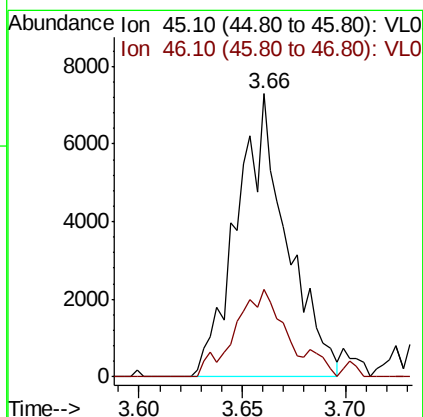
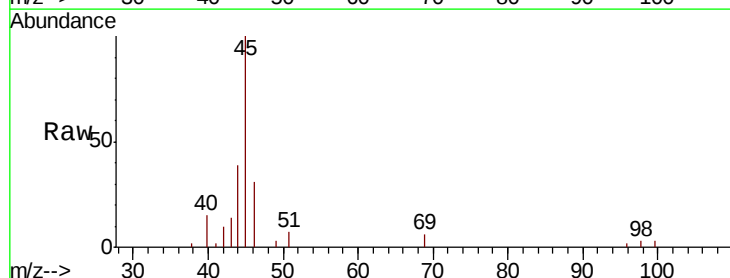
RT: 3.66 min Scan# 225

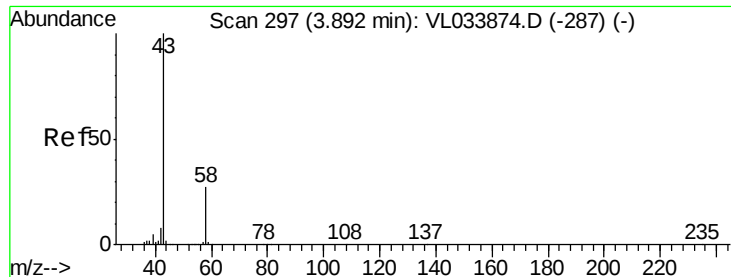
Delta R.T. 0.02 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Tgt Ion: 45 Resp: 12268
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.1#





#15

Acetone

Concen: 0.506 ppbv

RT: 3.90 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion: 43 Resp: 61844

Ion Ratio Lower Upper

43 100

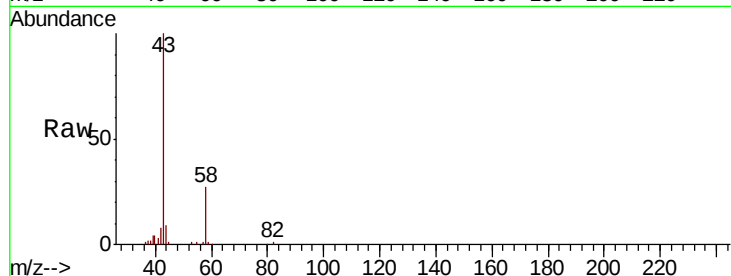
58 29.2 21.3 31.9

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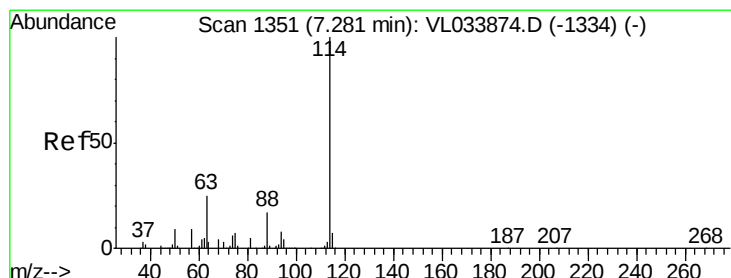
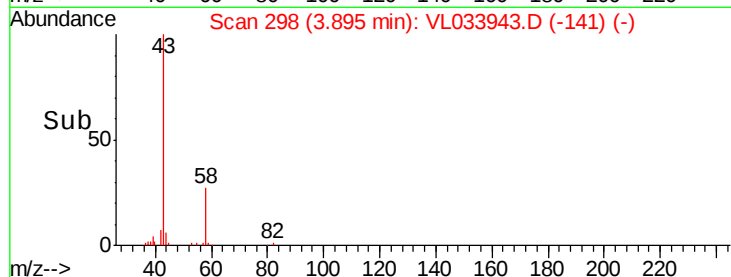
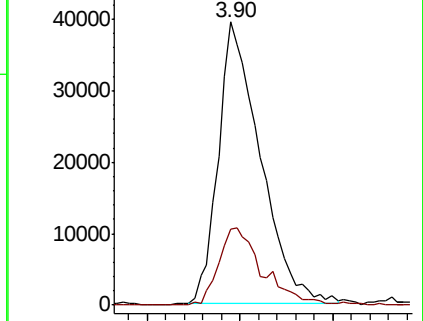
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. -0.02 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

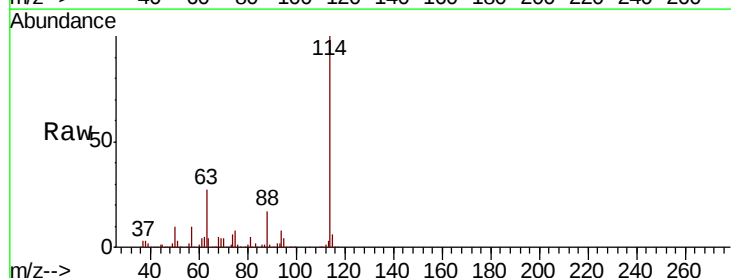
Tgt Ion: 114 Resp: 1951725

Ion Ratio Lower Upper

114 100

63 26.3 21.1 31.7

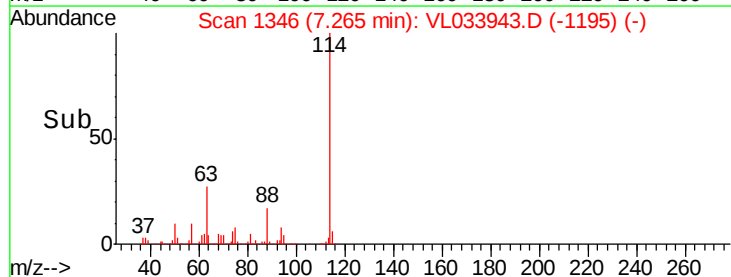
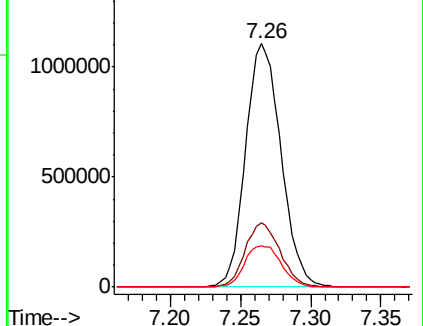
88 17.9 14.2 21.4

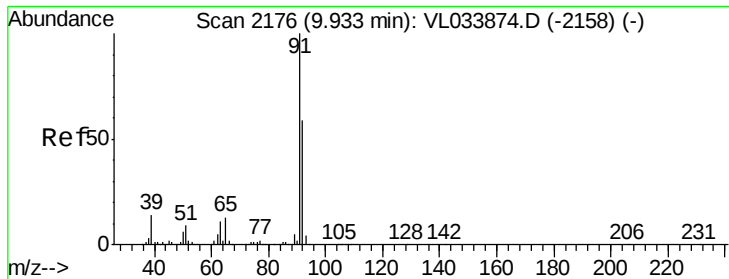


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.914 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion: 91 Resp: 150800

Ion Ratio Lower Upper

91 100

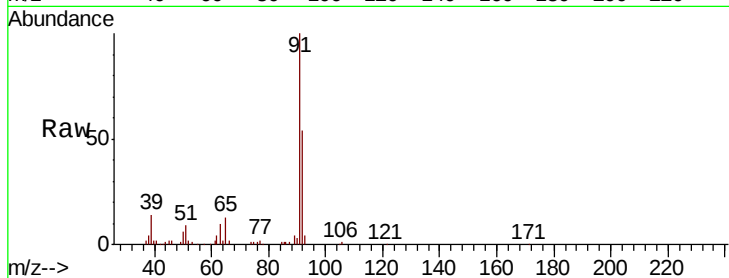
92 54.2 47.0 70.6

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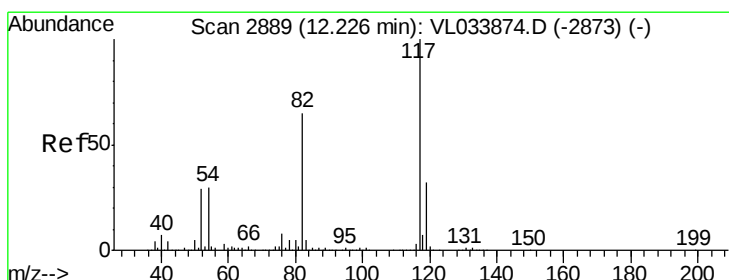
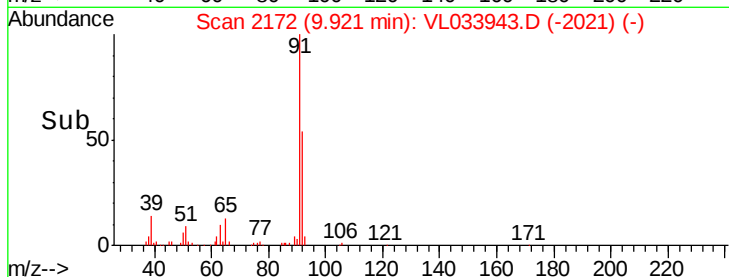
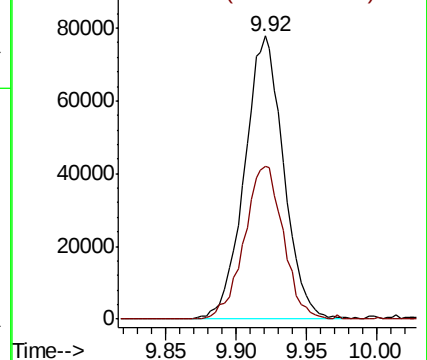
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL033943.D

Acq: 24 Jun 2019 19:16

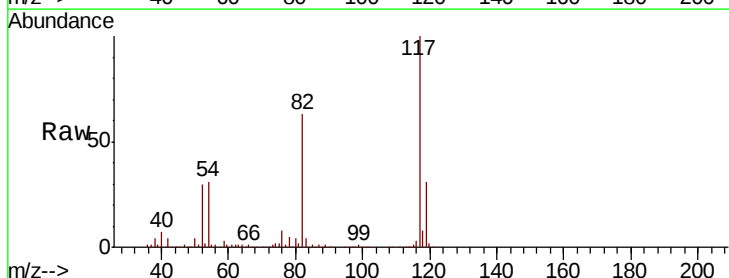
Tgt Ion: 117 Resp: 2049322

Ion Ratio Lower Upper

117 100

82 66.9 50.2 75.2

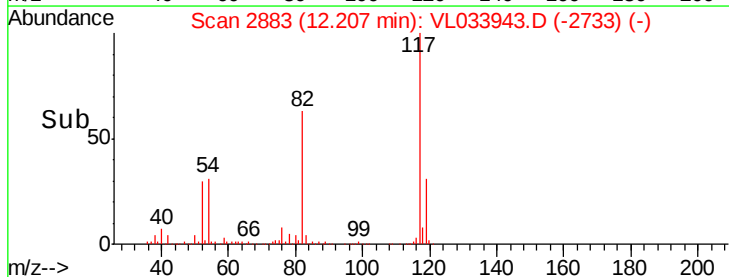
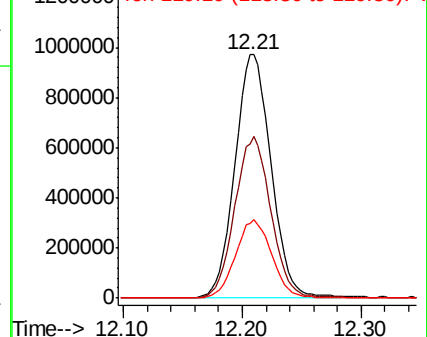
119 32.3 24.8 37.2

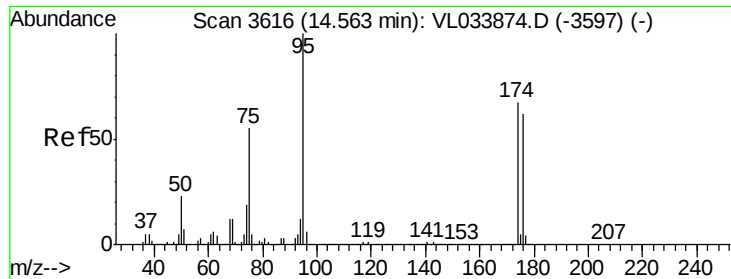


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.768 ppbv
 RT: 14.54 min Scan# 3610
 Delta R.T. -0.02 min
 Lab File: VL033943.D
 Acq: 24 Jun 2019 19:16

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-OUTDOOR-AIR-2DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.9	54.0	81.0
175	4.8	3.8	5.8

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