

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033019.D
 Acq On : 18 Dec 2018 6:24
 Operator : SY/AP
 Sample : J6444-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-PL-LTM5DL

Quant Time: Dec 19 16:10:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1135974	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2582007	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1936167	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2100451	14.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	146.80%#

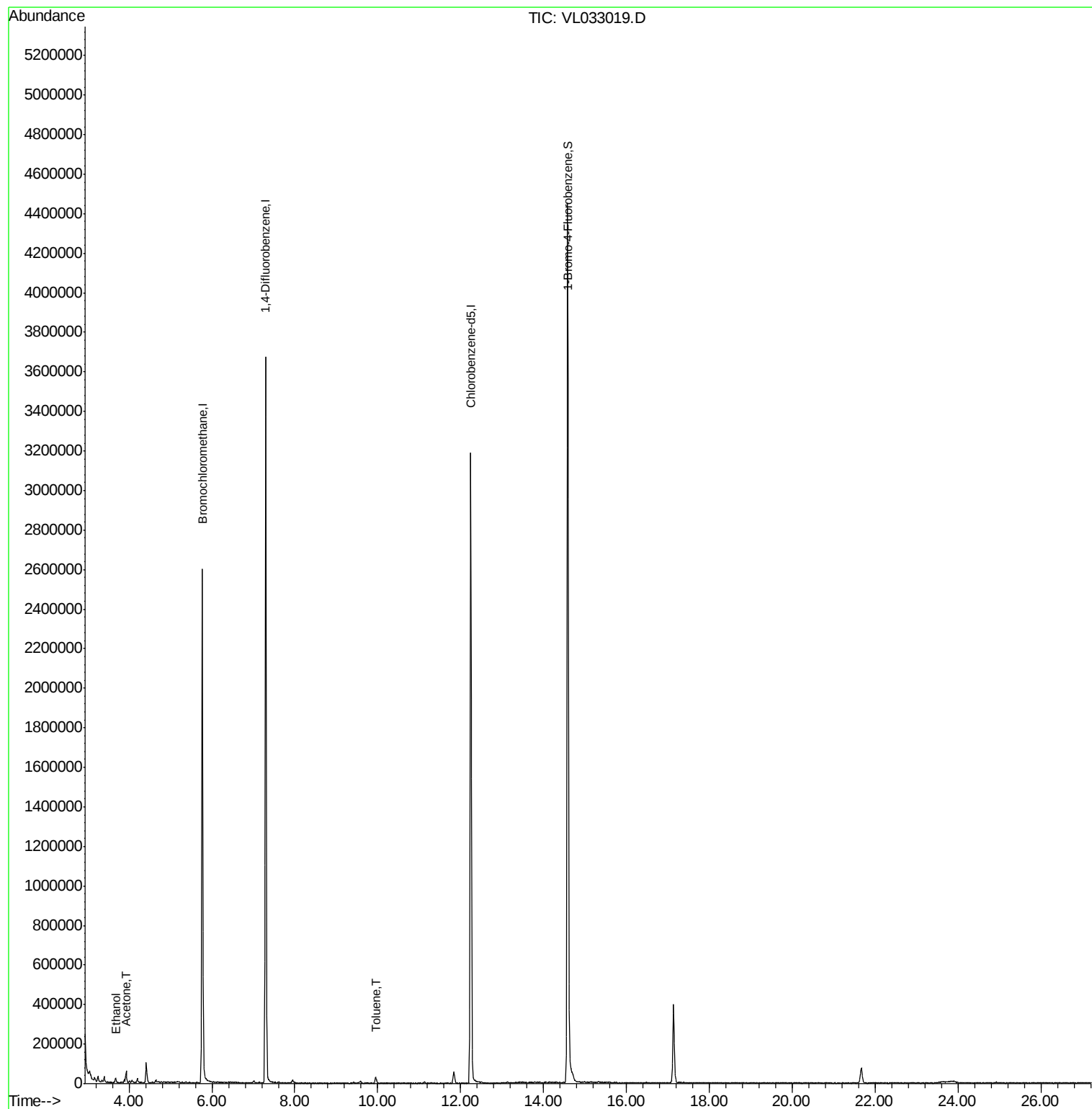
Target Compounds					Ovalue
13) Ethanol	3.67	45	17105	1.460 ppbv	84
15) Acetone	3.92	43	45457	0.466 ppbv	93
53) Toluene	9.95	91	24438	0.121 ppbv	98

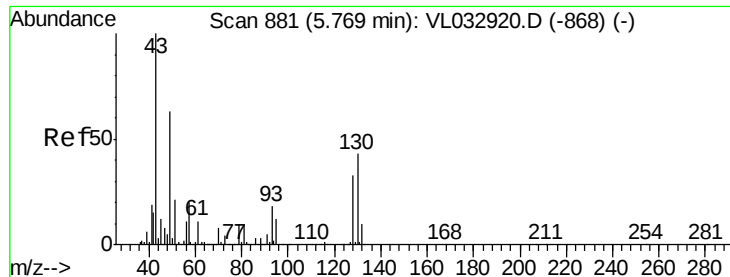
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 09:35:17 2018
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033019.D

Acq: 18 Dec 2018 6:24

Instrument :

MSVOA_L

ClientSampleId :

YT-PL-LTM5DL

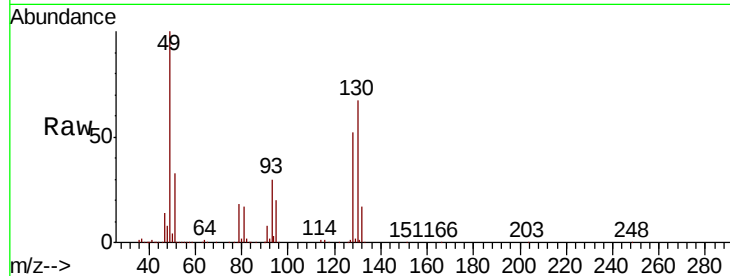
Tot Ion: 49 Resp: 1135974

Ion Ratio Lower Upper

49 100

128 53.1 26.3 78.8

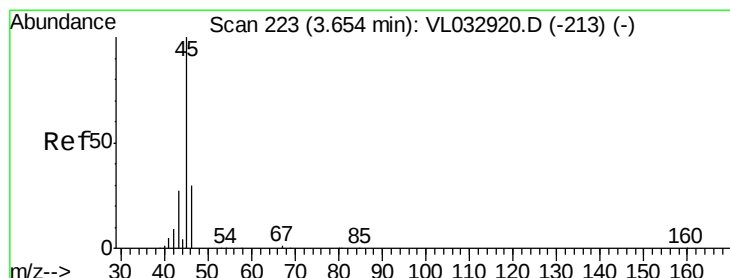
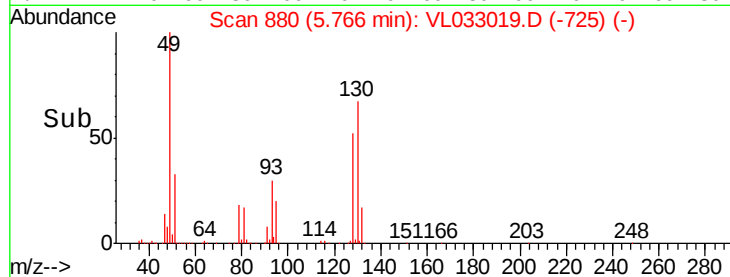
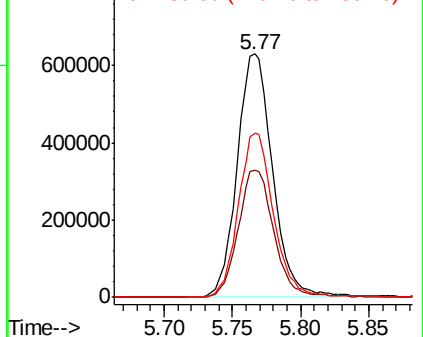
130 67.7 33.9 101.7



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



#13

Ethanol

Concen: 1.460 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL033019.D

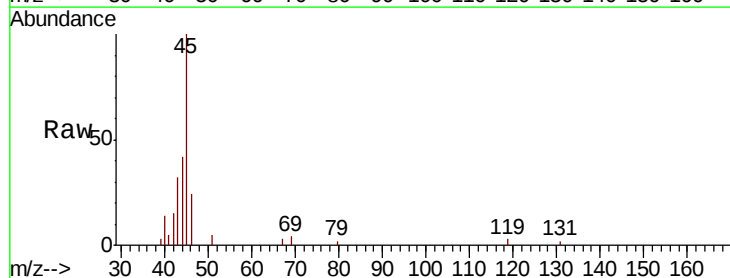
Acq: 18 Dec 2018 6:24

Tgt Ion: 45 Resp: 17105

Ion Ratio Lower Upper

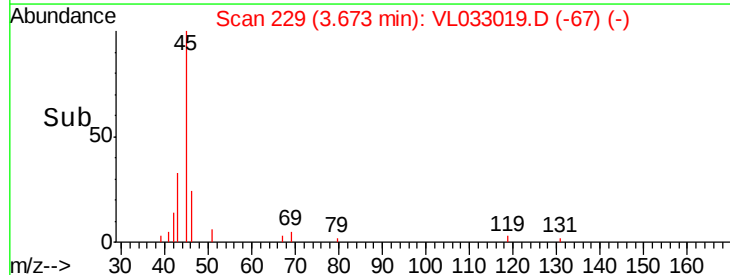
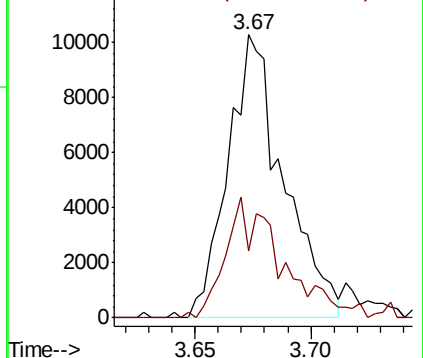
45 100

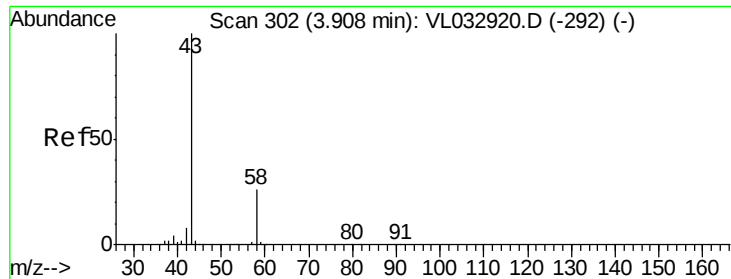
46 43.7 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.466 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033019.D

Acq: 18 Dec 2018 6:24

Instrument :

MSVOA_L

ClientSampleId :

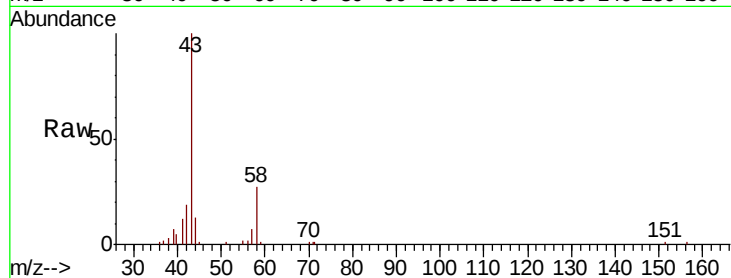
YT-PL-LTM5DL

Tot Ion: 43 Resp: 45457

Ion Ratio Lower Upper

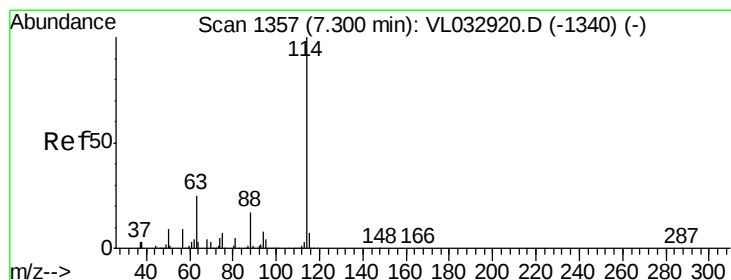
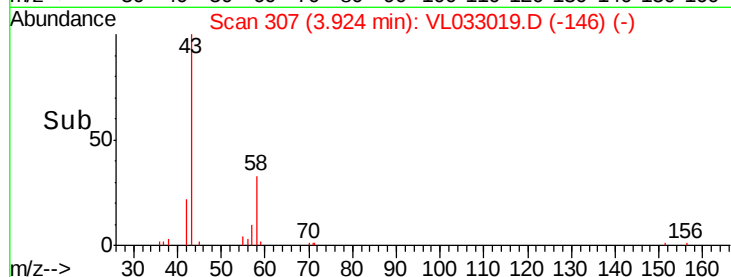
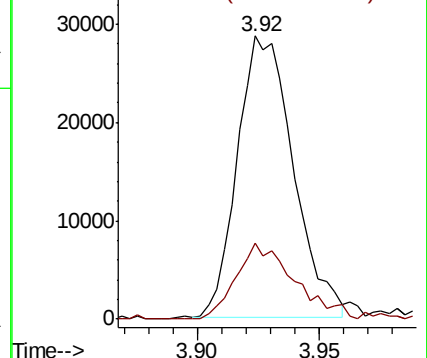
43 100

58 29.3 20.6 30.8



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: 7.30 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL033019.D

Acq: 18 Dec 2018 6:24

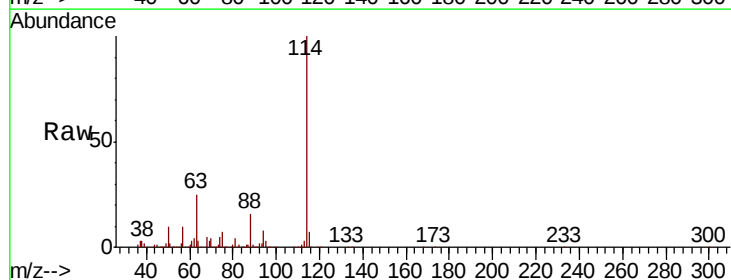
Tgt Ion: 114 Resp: 2582007

Ion Ratio Lower Upper

114 100

63 24.6 20.1 30.1

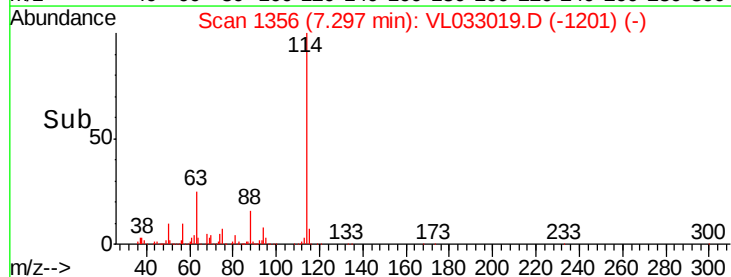
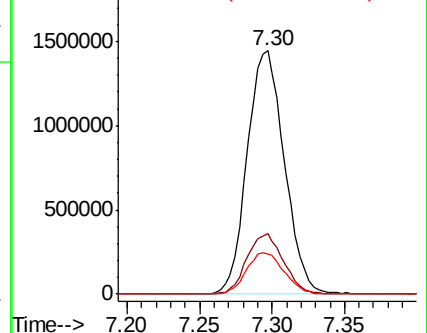
88 17.3 14.2 21.4

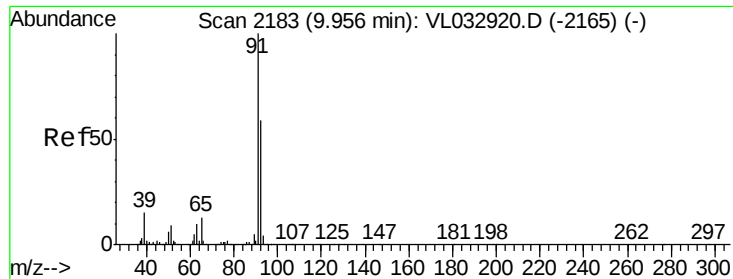


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.121 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033019.D

Acq: 18 Dec 2018 6:24

Instrument :

MSVOA_L

ClientSampleId :

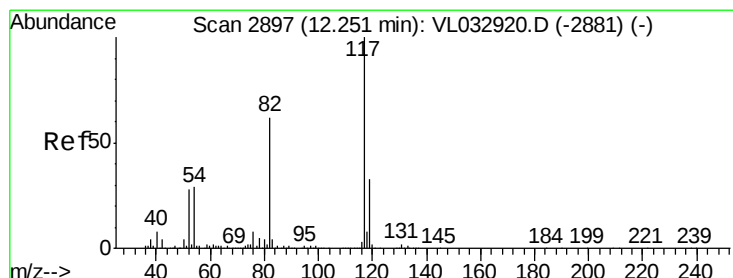
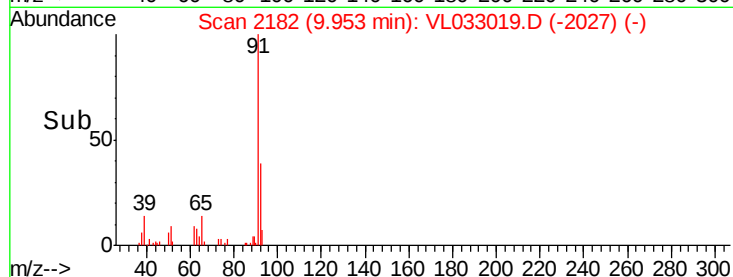
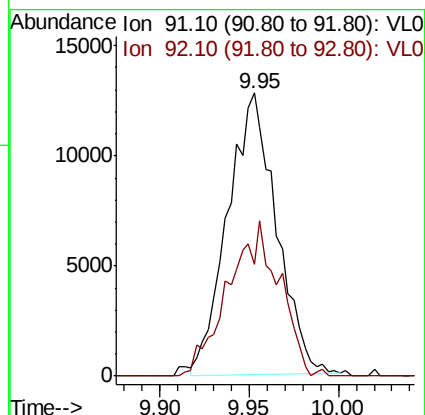
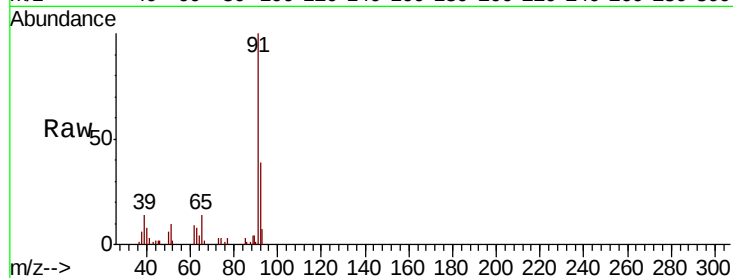
YT-PL-LTM5DL

Tot Ion: 91 Resp: 24438

Ion Ratio Lower Upper

91 100

92 57.7 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL033019.D

Acq: 18 Dec 2018 6:24

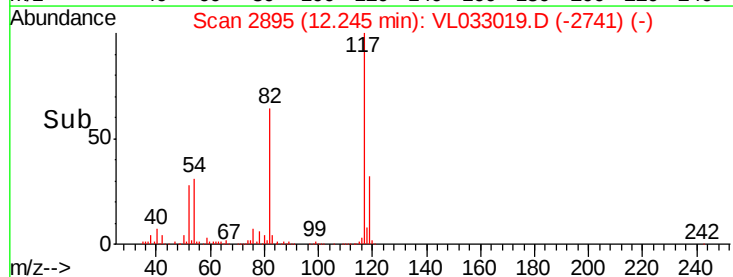
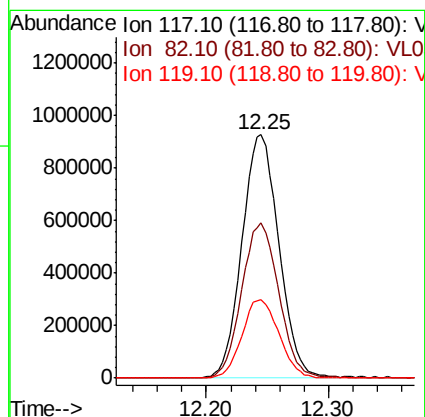
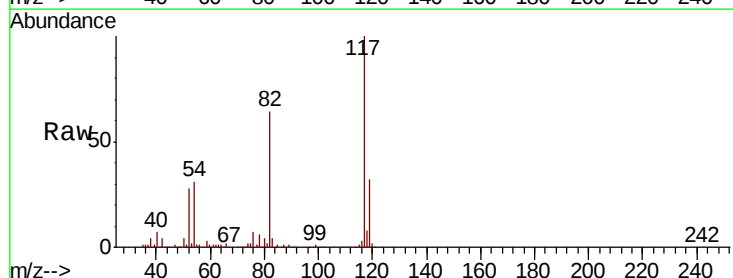
Tgt Ion: 117 Resp: 1936167

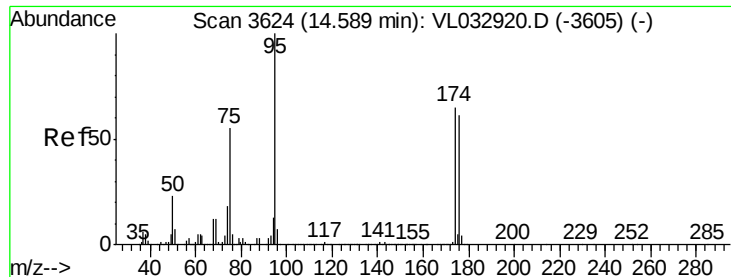
Ion Ratio Lower Upper

117 100

82 64.9 47.8 71.8

119 32.6 43.1 64.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 14.684 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL033019.D
 Acq: 18 Dec 2018 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-PL-LTM5DL

Tot Ion: 95 Resp: 2100451
 Ion Ratio Lower Upper
 95 100
 174 65.8 51.4 77.0
 175 5.0 3.8 5.6

