

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033939.D
 Acq On : 24 Jun 2019 16:37
 Operator : SY/AP
 Sample : K3481-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-B-2DL

Quant Time: Jun 25 04:14:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 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	1000831	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	2536228	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2655183	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2127777	9.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

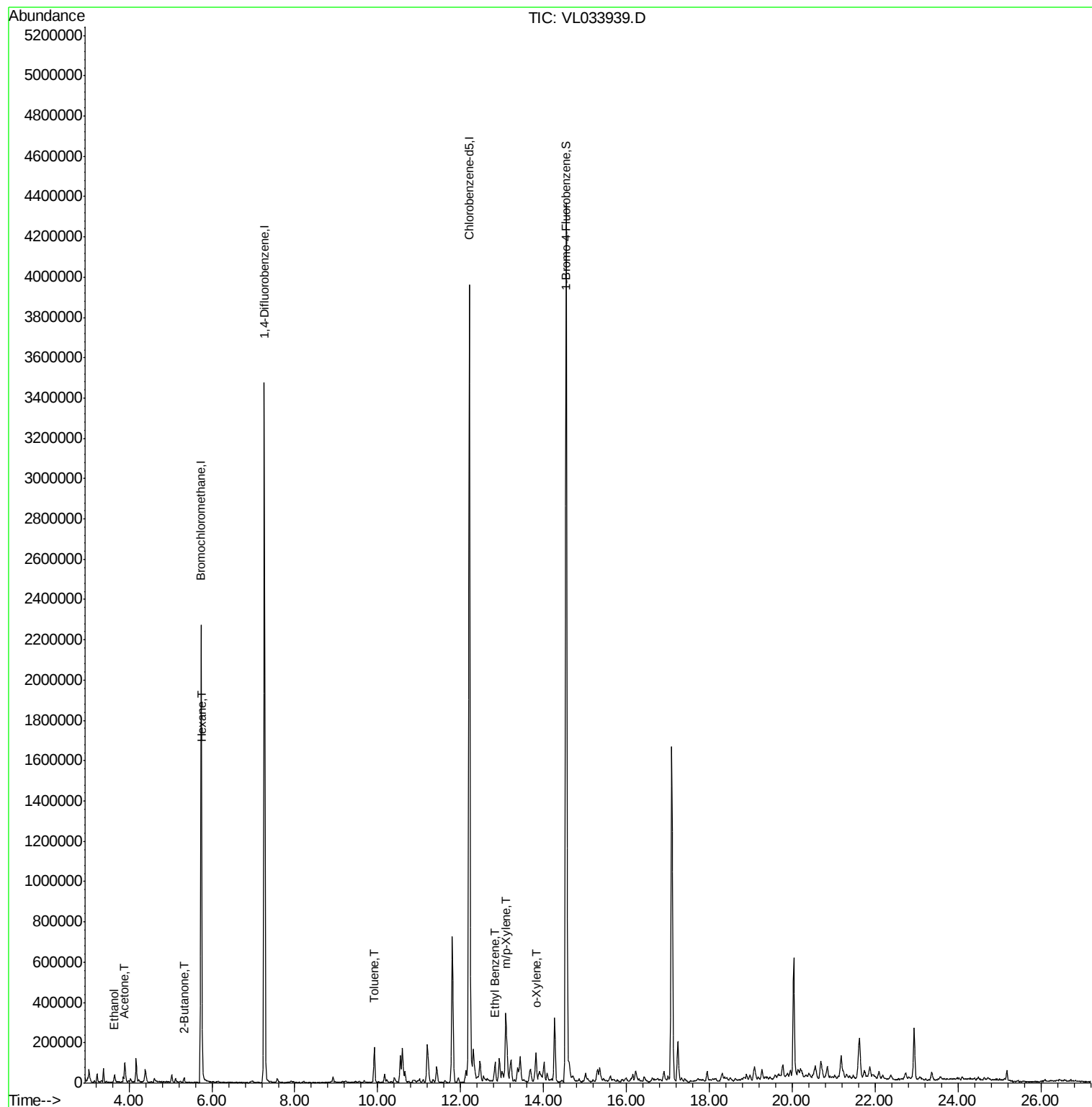
Target Compounds					Ovalue
13) Ethanol	3.65	45	36040	2.513 ppbv	99
15) Acetone	3.89	43	97644	0.669 ppbv	93
26) Hexane	5.76	57	26887	0.266 ppbv #	39
34) 2-Butanone	5.33	43	25637	0.179 ppbv	97
53) Toluene	9.92	91	131661	0.614 ppbv	98
58) Ethyl Benzene	12.83	91	73317	0.245 ppbv	95
59) m/p-Xylene	13.09	91	211916	0.778 ppbv #	55
60) o-Xylene	13.82	91	104403	0.371 ppbv	99

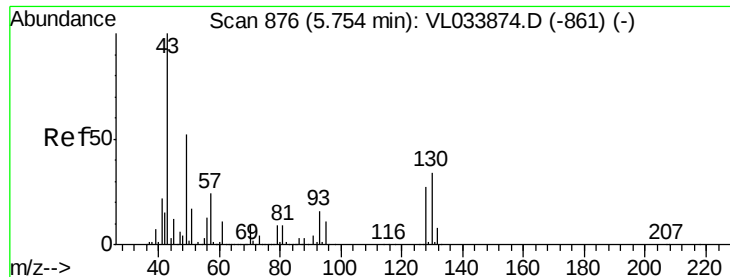
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.02 min

Lab File: VL033939.D

Acq: 24 Jun 2019 16:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DL

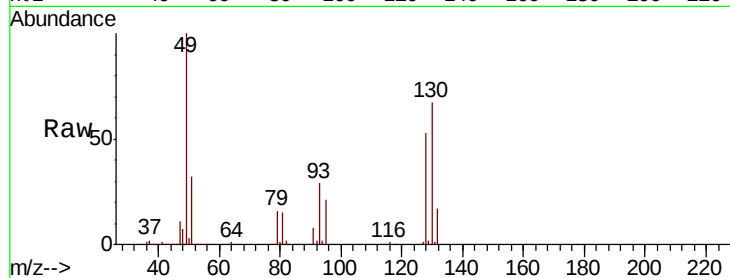
Tot Ion: 49 Resp: 1000831

Ion Ratio Lower Upper

49 100

128 53.1 25.5 76.5

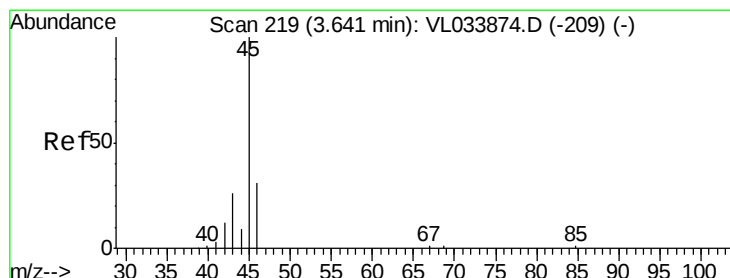
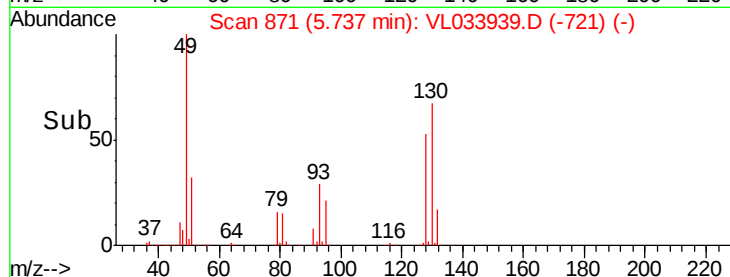
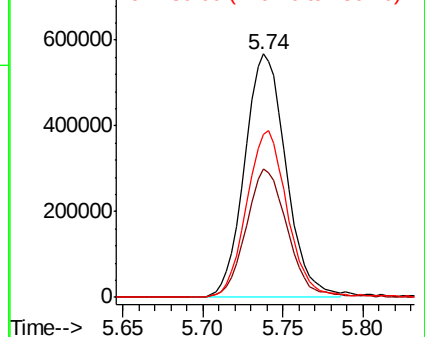
130 68.5 32.5 97.4



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: 2.513 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033939.D

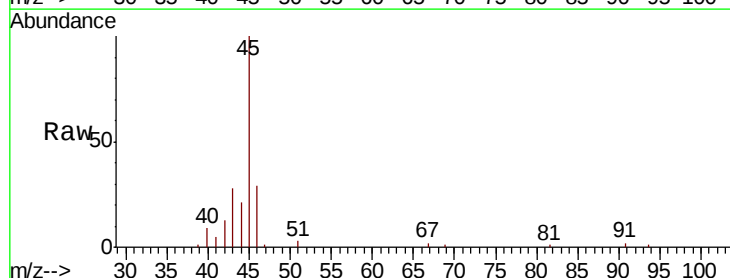
Acq: 24 Jun 2019 16:37

Tgt Ion: 45 Resp: 36040

Ion Ratio Lower Upper

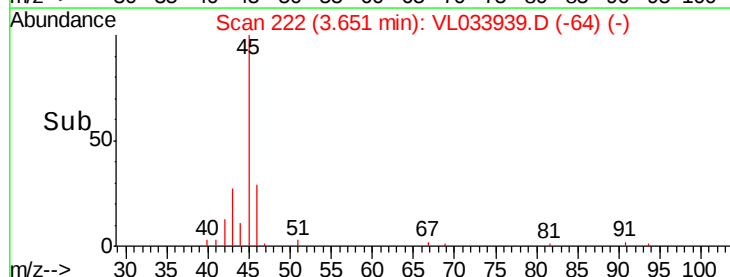
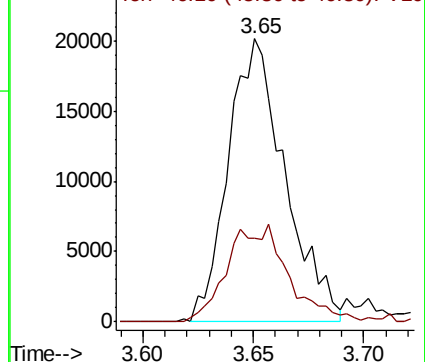
45 100

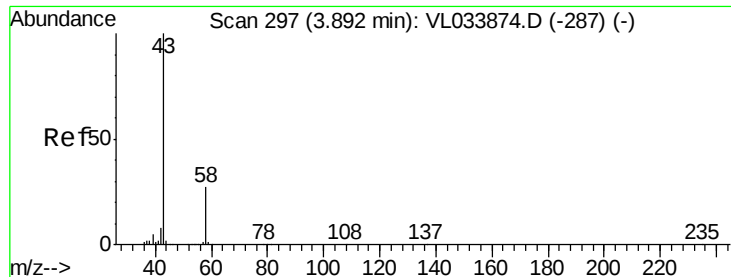
46 37.8 15.3 61.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.669 ppbv

RT: 3.89 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL033939.D

Acq: 24 Jun 2019 16:37

Instrument :

MSVOA_L

ClientSampleId :

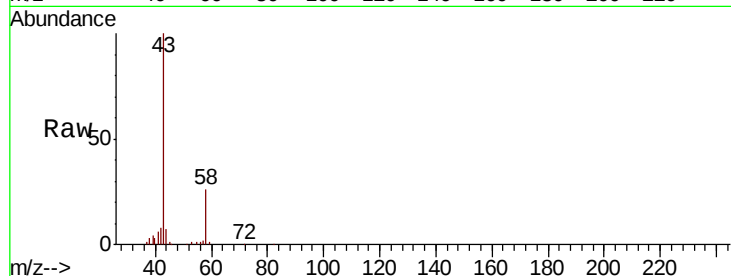
TZC-SSDS-AREA-B-2DL

Tot Ion: 43 Resp: 97644

Ion Ratio Lower Upper

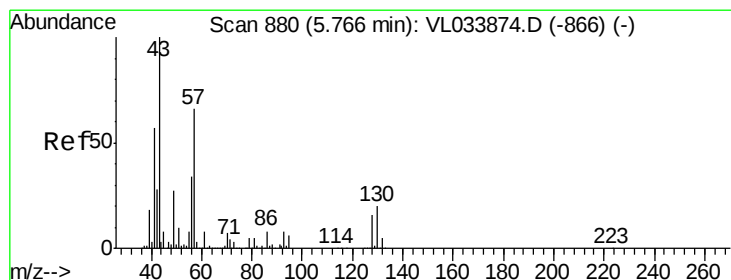
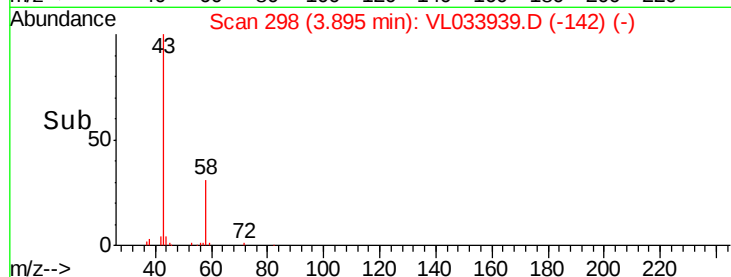
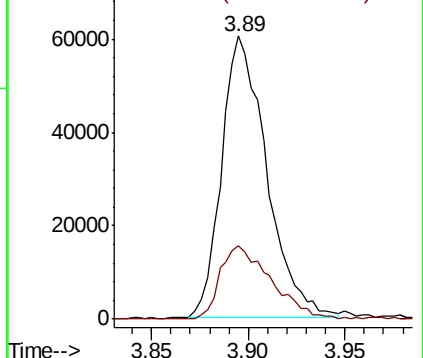
43 100

58 30.0 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#26

Hexane

Concen: 0.266 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033939.D

Acq: 24 Jun 2019 16:37

Tgt Ion: 57 Resp: 26887

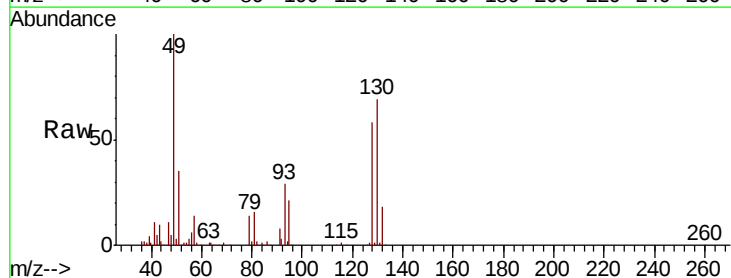
Ion Ratio Lower Upper

57 100

41 91.3 71.4 107.2

43 69.5 183.7 275.5#

56 55.6 42.7 64.1

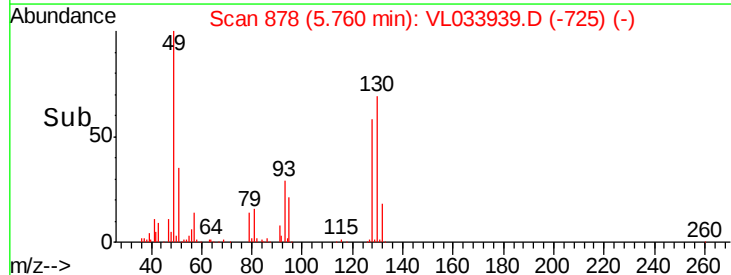
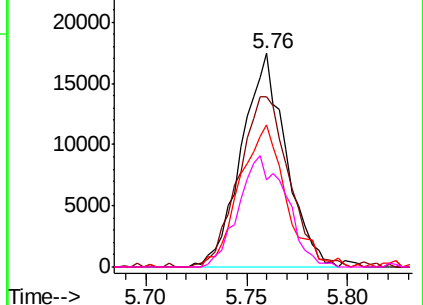


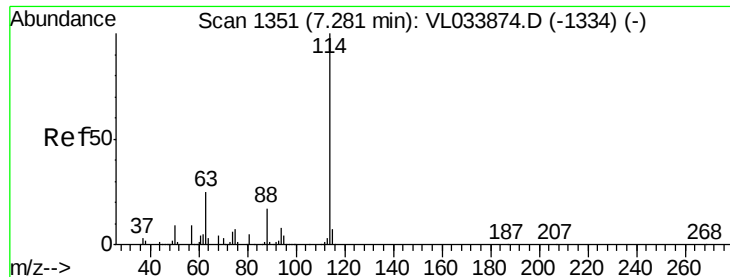
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

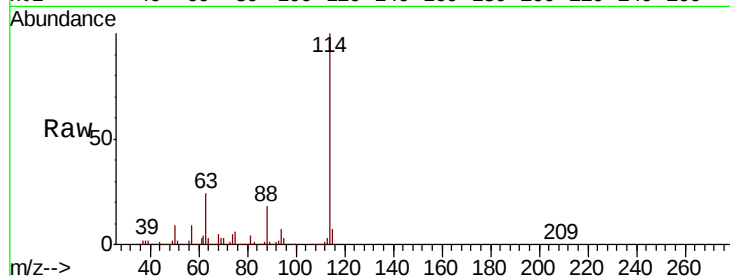




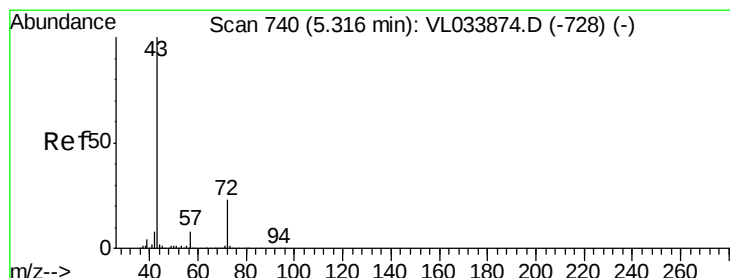
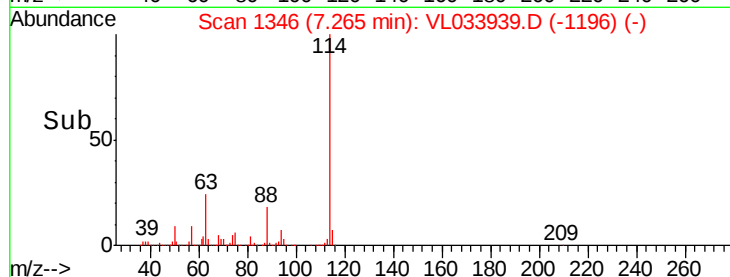
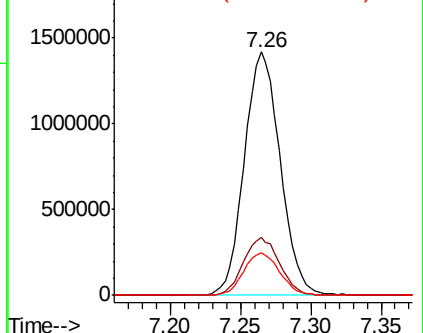
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033939.D
 Acq: 24 Jun 2019 16:37

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-B-2DL

Tot Ion:114 Resp: 2536228
 Ion Ratio Lower Upper
 114 100
 63 23.8 21.1 31.7
 88 17.6 14.2 21.4

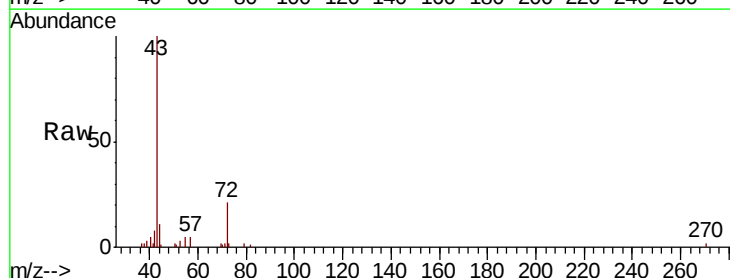


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

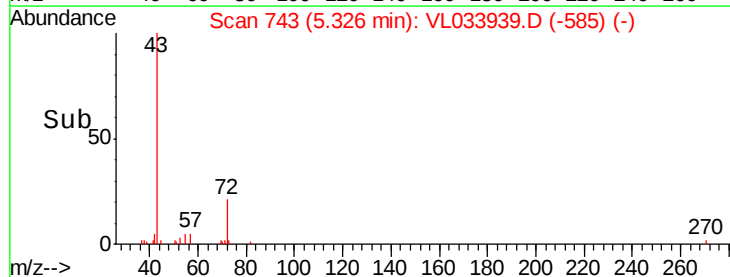
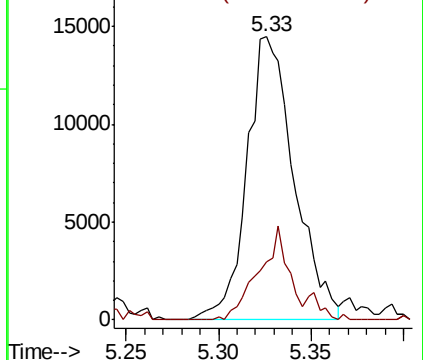


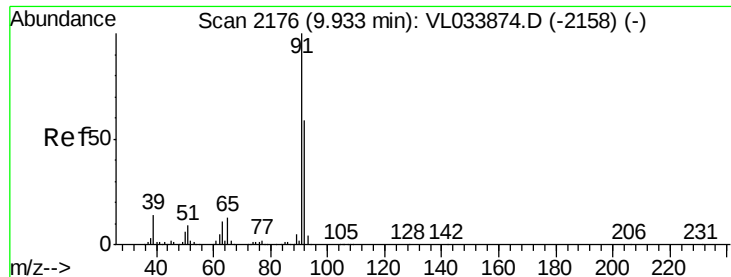
#34
 2-Butanone
 Concen: 0.179 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: VL033939.D
 Acq: 24 Jun 2019 16:37

Tgt Ion: 43 Resp: 25637
 Ion Ratio Lower Upper
 43 100
 72 23.7 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#53

Toluene

Concen: 0.614 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033939.D

Acq: 24 Jun 2019 16:37

Instrument :

MSVOA_L

ClientSampleId :

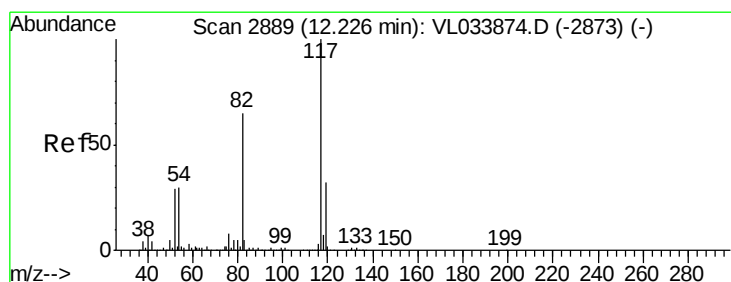
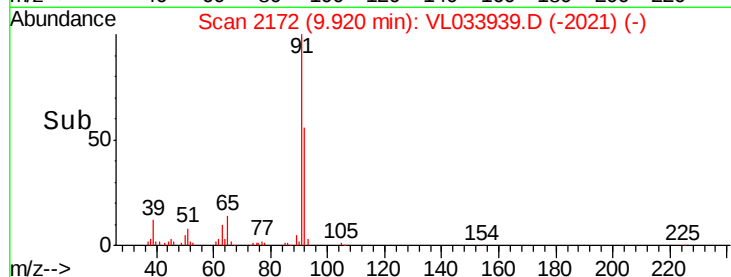
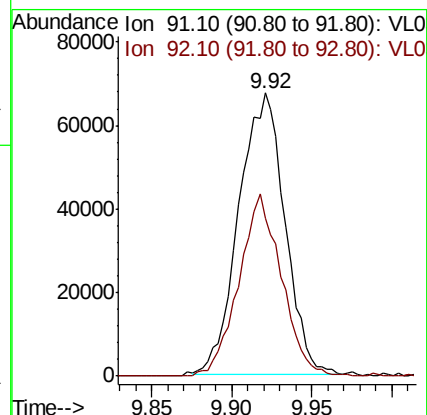
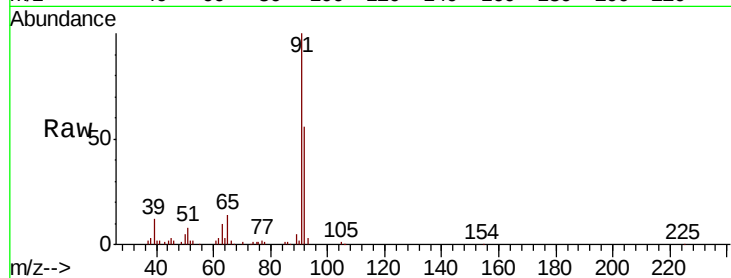
TZC-SSDS-AREA-B-2DL

Tot Ion: 91 Resp: 131661

Ion Ratio Lower Upper

91 100

92 60.2 47.0 70.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL033939.D

Acq: 24 Jun 2019 16:37

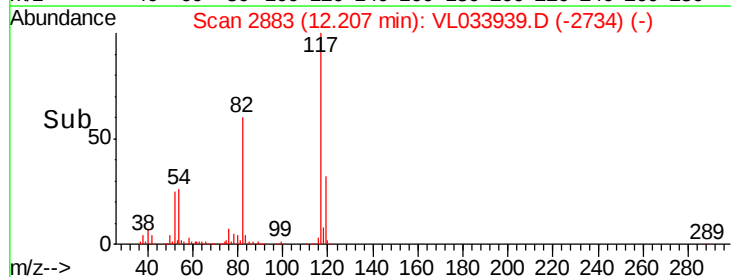
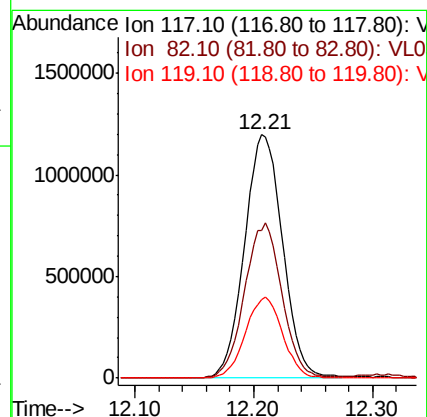
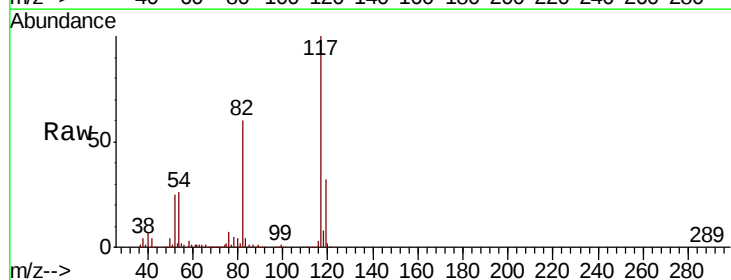
Tgt Ion: 117 Resp: 2655183

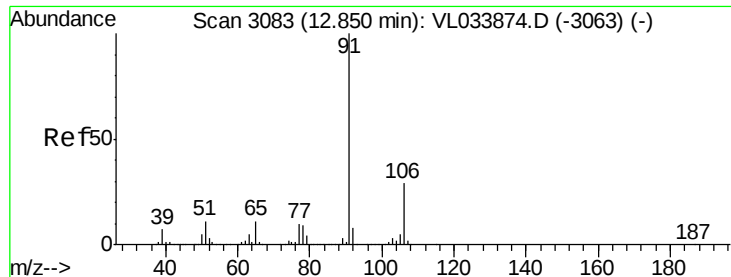
Ion Ratio Lower Upper

117 100

82 62.6 50.2 75.2

119 32.9 24.8 37.2





#58

Ethyl Benzene

Concen: 0.245 ppbv

RT: 12.83 min Scan# 3077

Delta R.T. -0.02 min

Lab File: VL033939.D

Acq: 24 Jun 2019 16:37

Instrument :

MSVOA_L

ClientSampleId :

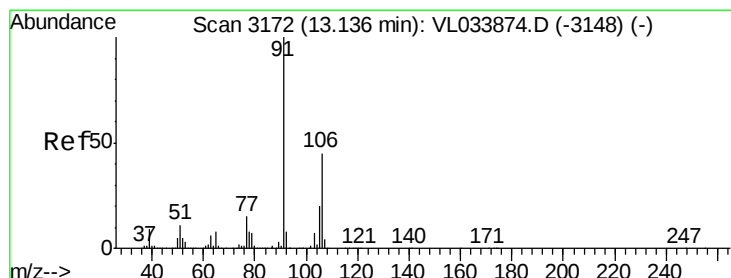
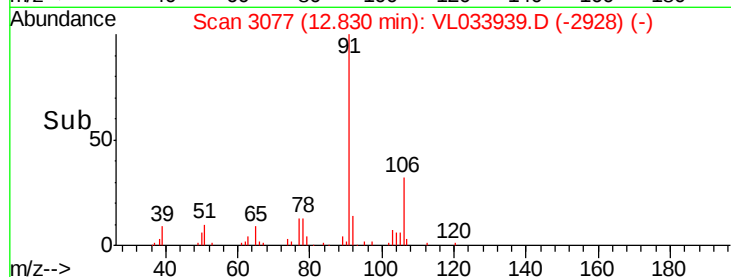
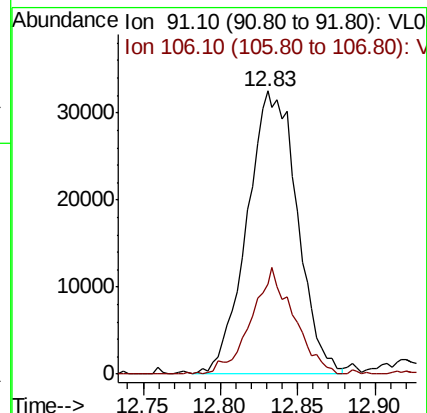
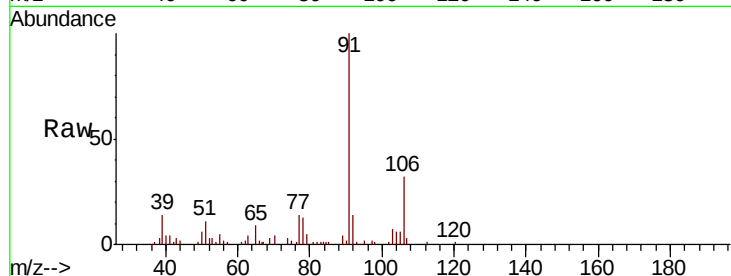
TZC-SSDS-AREA-B-2DL

Tot Ion: 91 Resp: 73317

Ion Ratio Lower Upper

91 100

106 31.6 23.0 34.6



#59

m/p-Xylene

Concen: 0.778 ppbv

RT: 13.09 min Scan# 3159

Delta R.T. -0.04 min

Lab File: VL033939.D

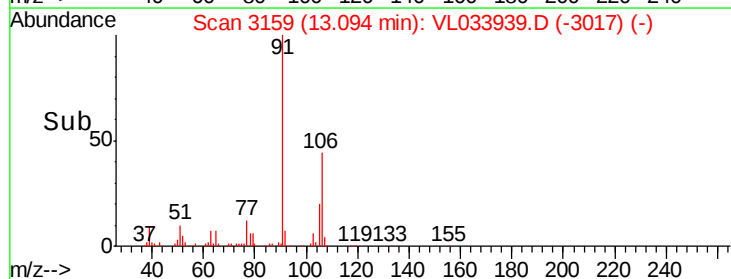
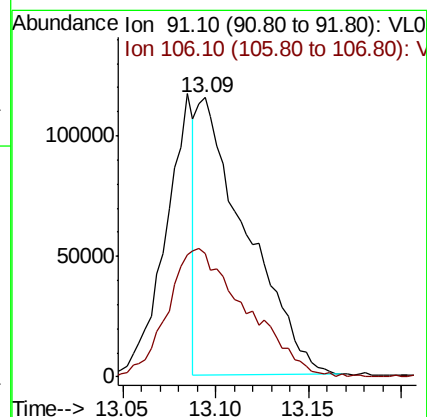
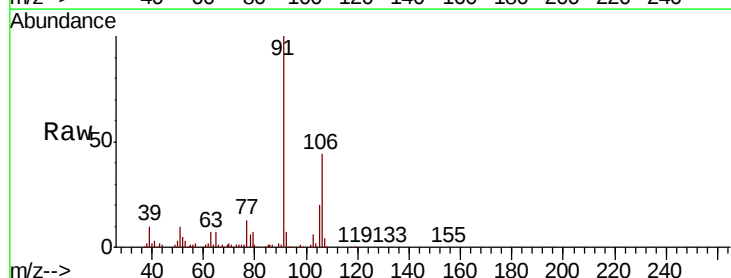
Acq: 24 Jun 2019 16:37

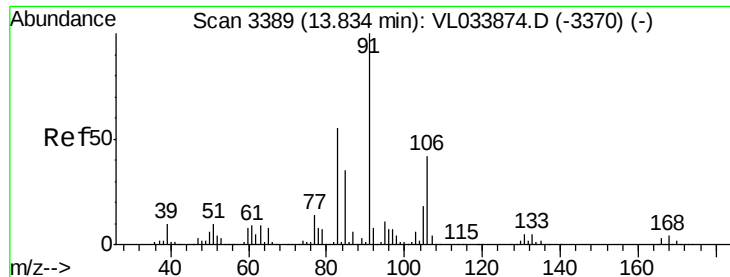
Tgt Ion: 91 Resp: 211916

Ion Ratio Lower Upper

91 100

106 74.1 35.8 53.8#

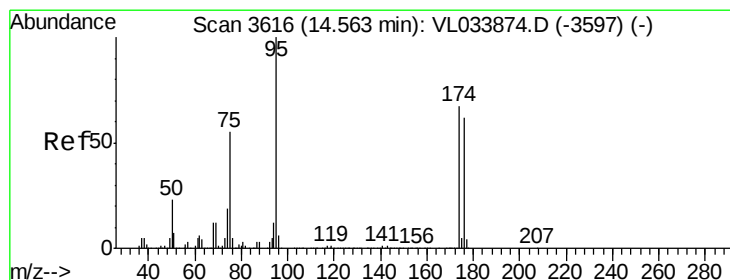
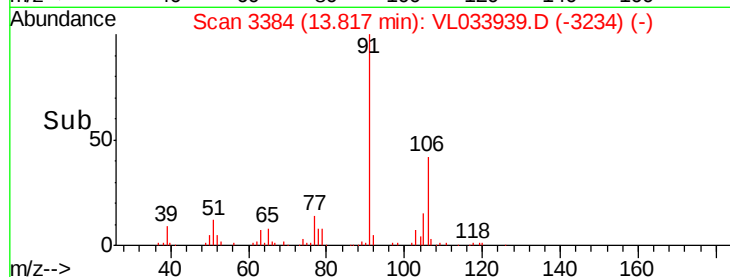
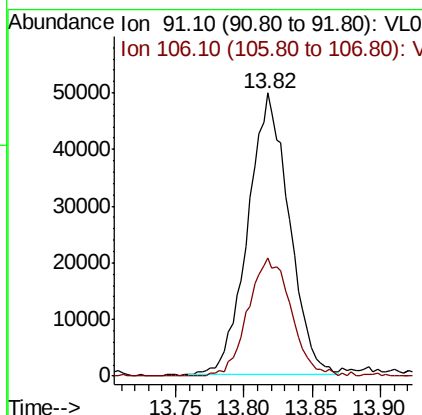
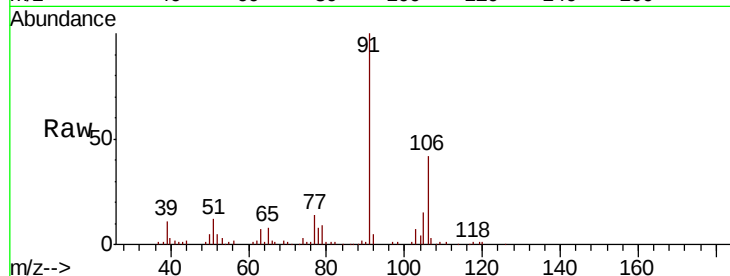




#60
o-Xylene
Concen: 0.371 ppbv
RT: 13.82 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VL033939.D
Acq: 24 Jun 2019 16:37

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-B-2DL

Tot Ion: 91 Resp: 104403
Ion Ratio Lower Upper
91 100
106 44.2 21.7 65.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.756 ppbv
RT: 14.54 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL033939.D
Acq: 24 Jun 2019 16:37

Tgt Ion: 95 Resp: 2127777
Ion Ratio Lower Upper
95 100
174 70.4 54.0 81.0
175 5.1 3.8 5.8

