

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092018\
 Data File : VL032508.D
 Acq On : 20 Sep 2018 15:28
 Operator : SY/AP
 Sample : VL0920ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 21 02:33:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 21 02:33:47 2018
 QLast Update : Fri Sep 21 02:33:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1516340	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3346777	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3398655	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2652135	10.51	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

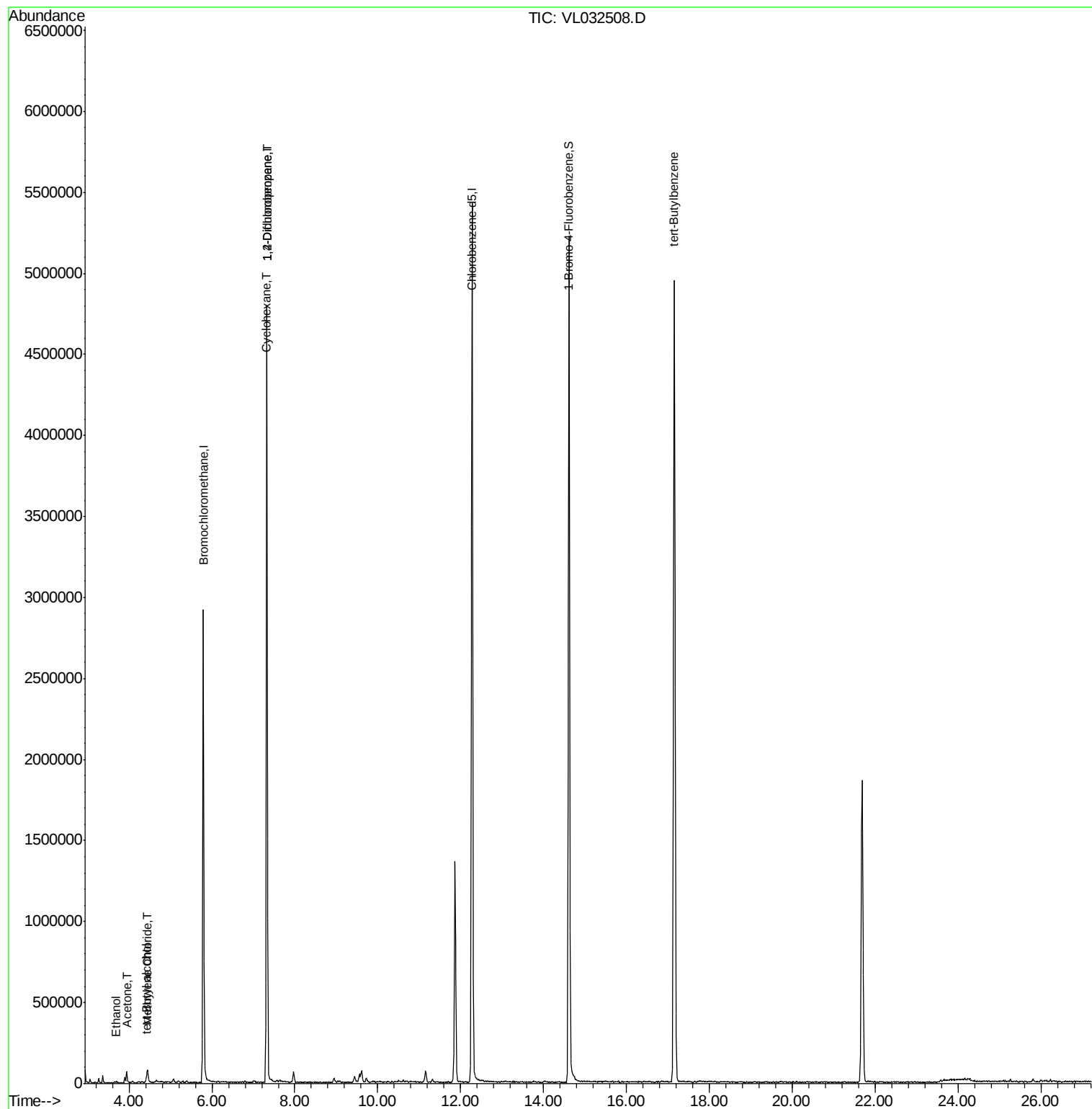
Target Compounds					Ovalue
13) Ethanol	3.69	45	1249	0.072 ppbv	89
15) Acetone	3.94	43	63521	0.465 ppbv	90
17) tert-Butyl alcohol	4.41	59	4380	0.208 ppbv #	100
20) Methylene Chloride	4.43	84	8810	0.169 ppbv	85
30) Cyclohexane	7.31	84	7951	0.075 ppbv #	1
39) 1,2-Dichloropropane	7.32	63	905471	7.431 ppbv #	25
65) tert-Butylbenzene	17.14	119	38663	0.090 ppbv #	18

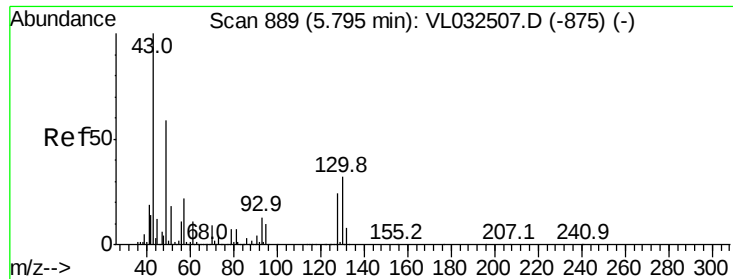
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092018\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL032508.D

Acq: 20 Sep 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :

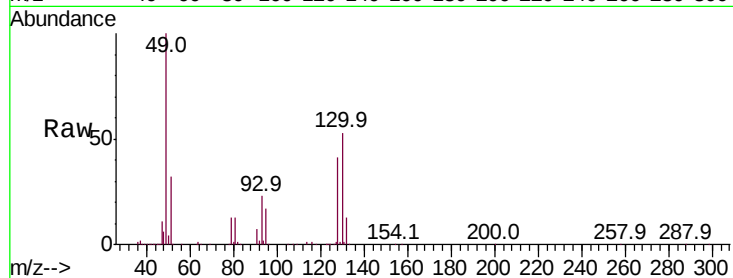
Tot Ion: 49 Resp: 1516340

Ion Ratio Lower Upper

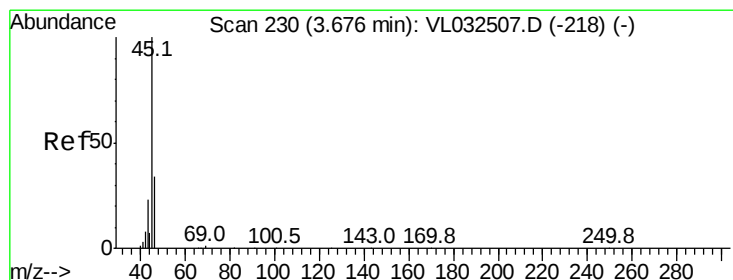
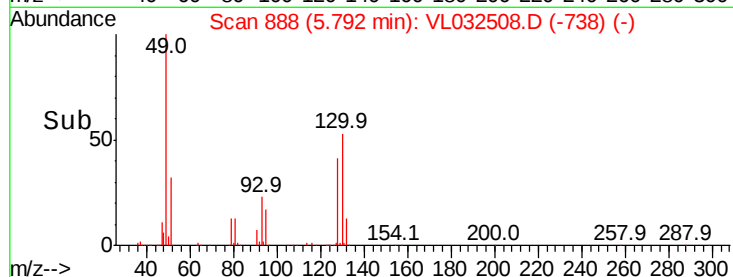
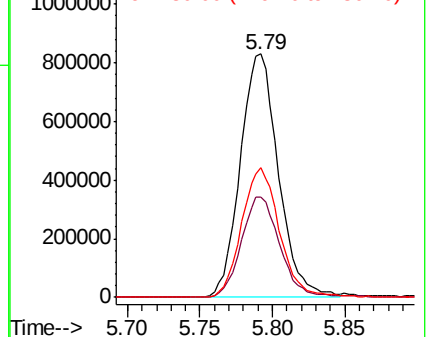
49 100

128 42.5 20.7 62.1

130 53.2 26.6 79.7



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: 0.072 ppbv

RT: 3.69 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL032508.D

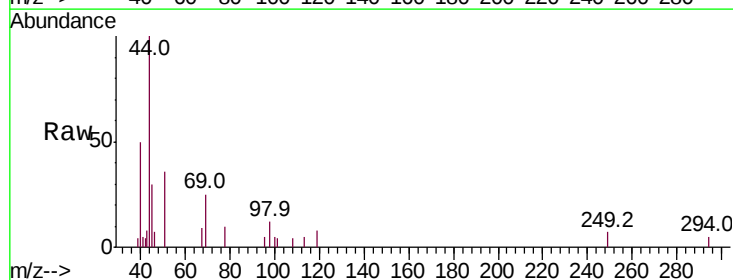
Acq: 20 Sep 2018 15:28

Tgt Ion: 45 Resp: 1249

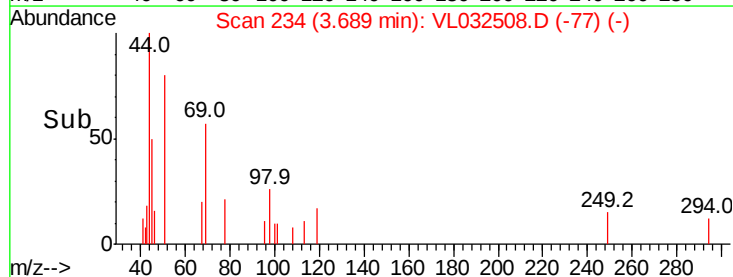
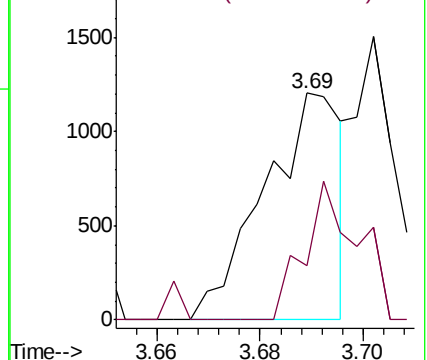
Ion Ratio Lower Upper

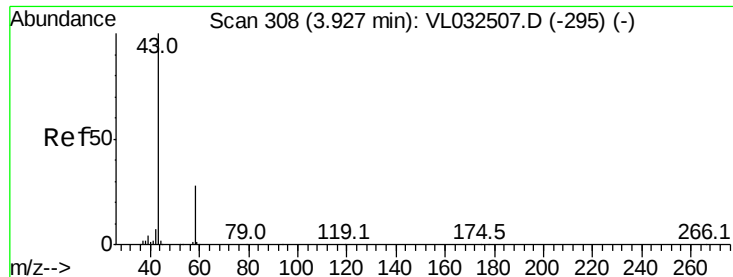
45 100

46 42.0 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.465 ppbv

RT: 3.94 min Scan# 313

Delta R.T. 0.00 min

Lab File: VL032508.D

Acq: 20 Sep 2018 15:28

Instrument :

MSVOA_L

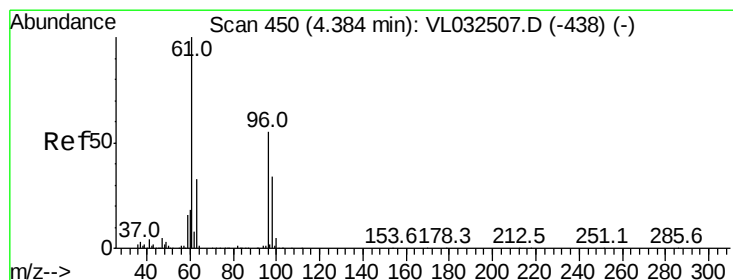
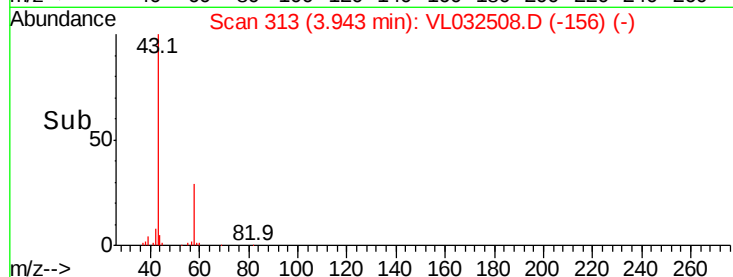
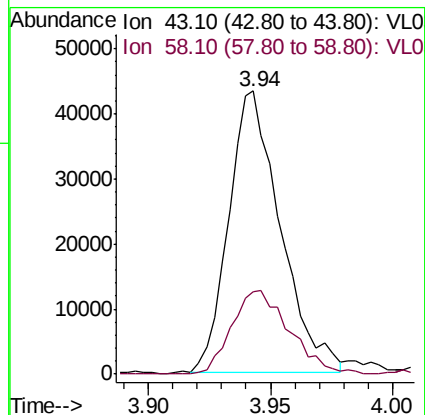
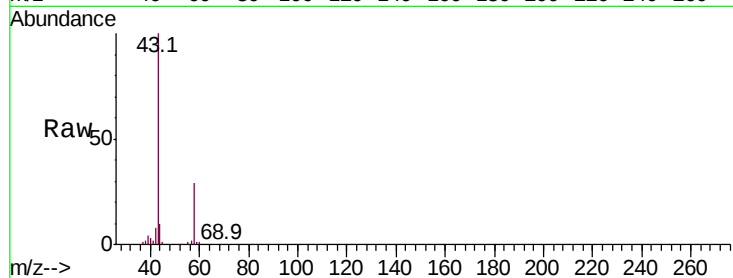
ClientSampleId :

Tot Ion: 43 Resp: 63521

Ion Ratio Lower Upper

43 100

58 33.7 22.6 33.8



#17

tert-Butyl alcohol

Concen: 0.208 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL032508.D

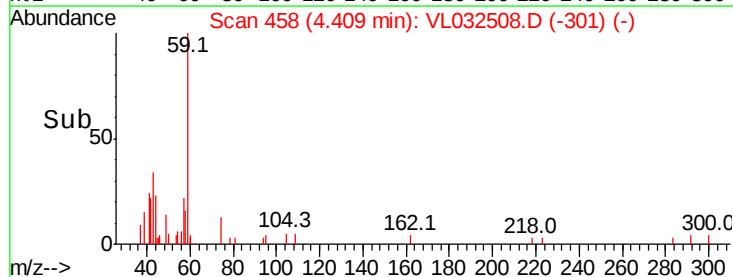
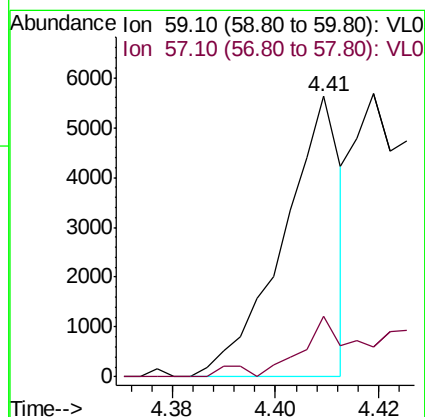
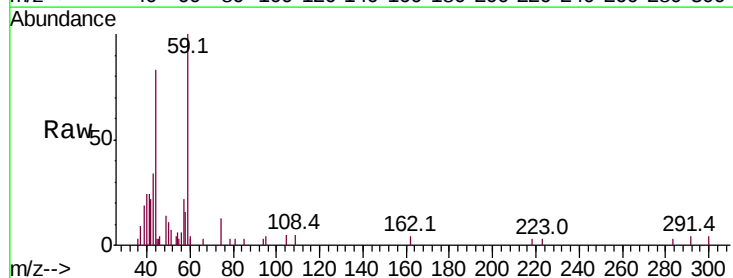
Acq: 20 Sep 2018 15:28

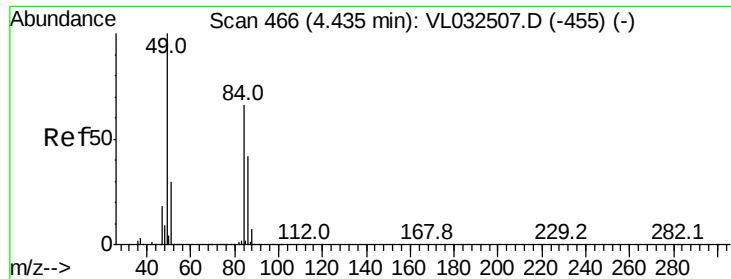
Tgt Ion: 59 Resp: 4380

Ion Ratio Lower Upper

59 100

57 43.8 0.0 0.0#

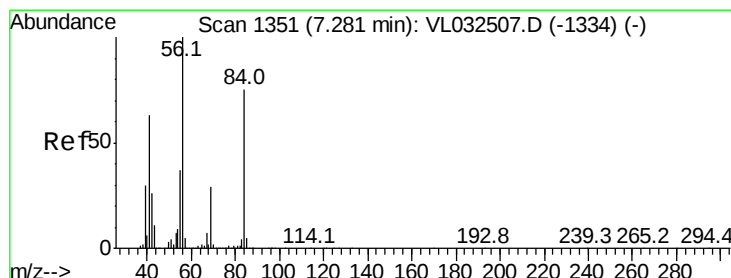
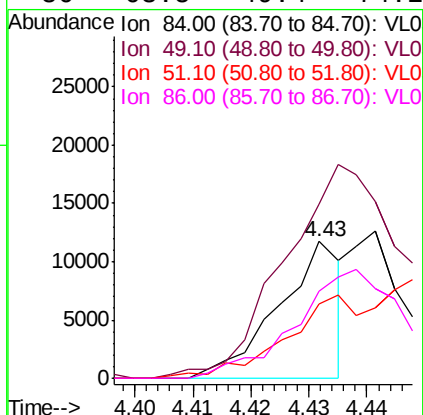
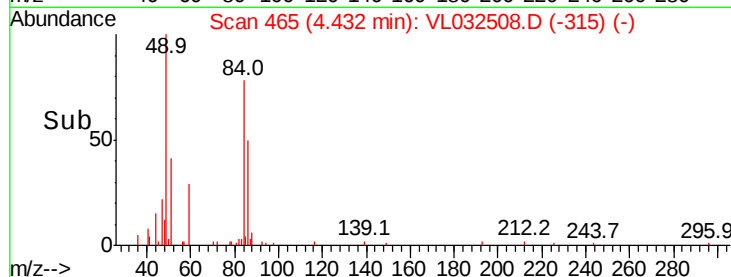
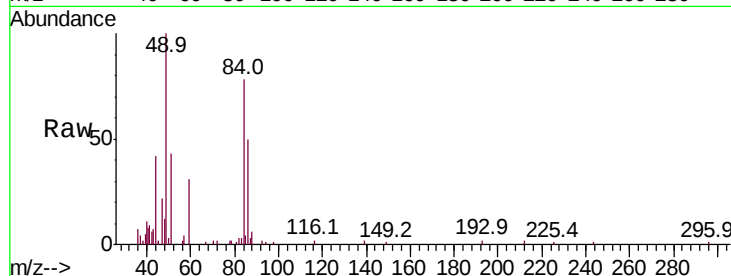




#20
Methvlene Chloride
Concen: 0.169 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032508.D
Acq: 20 Sep 2018 15:28

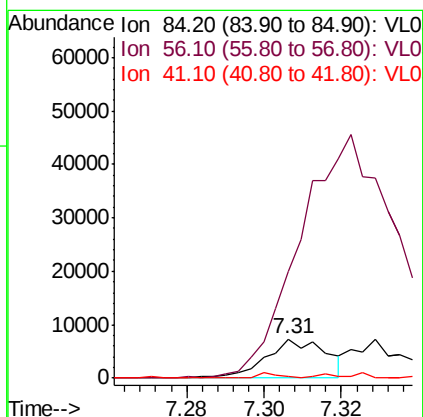
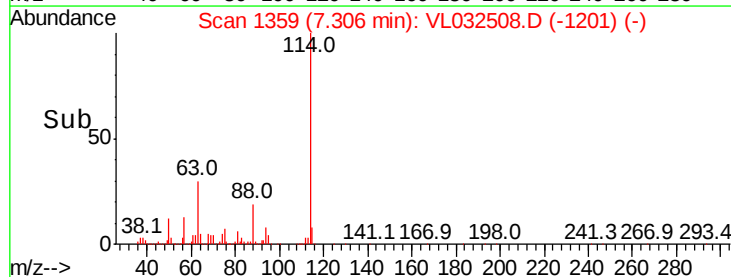
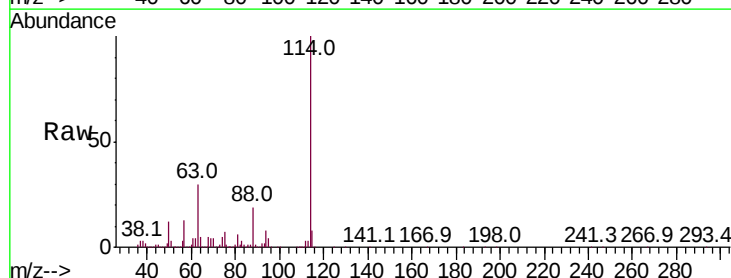
Instrument :
MSVOA_L
ClientSampled :

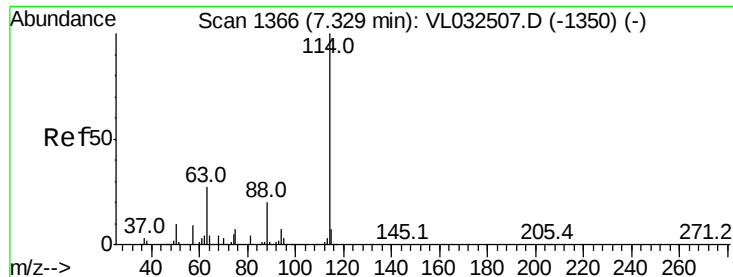
Tot Ion:	84	Resp:	8810
Ion	Ratio	Lower	Upper
84	100		
49	121.2	119.1	178.7
51	51.3	35.2	52.8
86	63.5	49.4	74.2



#30
Cyclohexane
Concen: 0.075 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VL032508.D
Acq: 20 Sep 2018 15:28

Tgt Ion:	84	Resp:	7951
Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.5	170.3#
41	2.0	68.1	102.1#

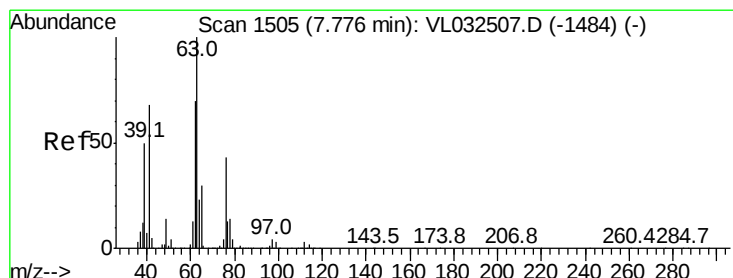
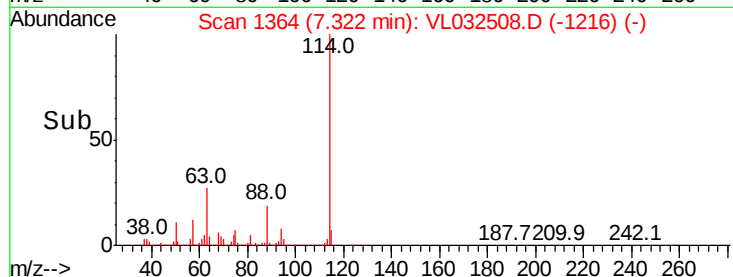
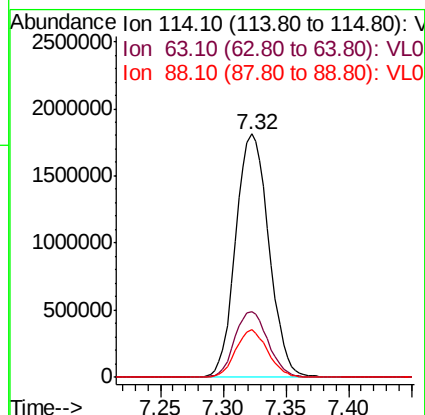
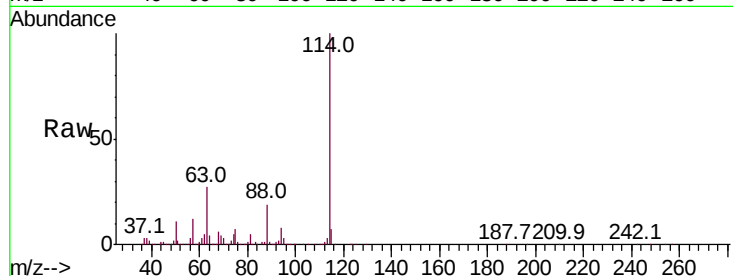




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032508.D
 Acq: 20 Sep 2018 15:28

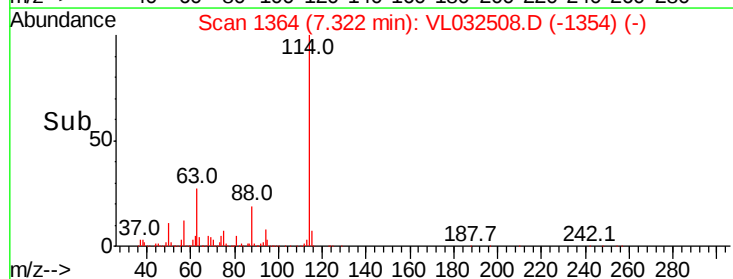
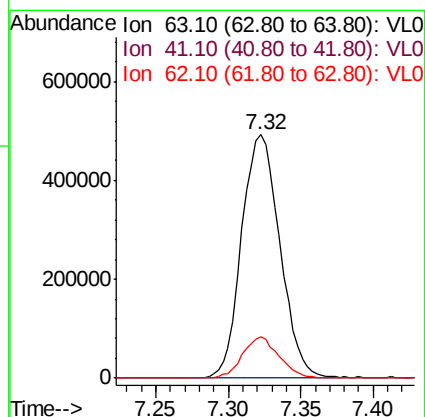
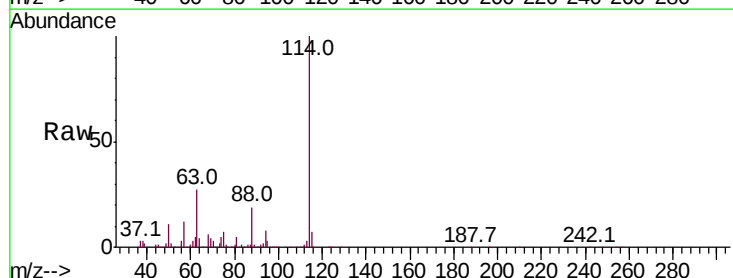
Instrument :
 MSVOA_L
 ClientSampled :

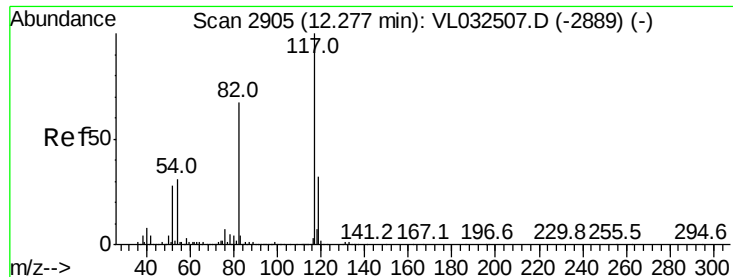
Tot Ion:114 Resp: 3346777
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.2 33.4
 88 18.9 15.0 22.4



#39
 1,2-Dichloropropane
 Concen: 7.431 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.47 min
 Lab File: VL032508.D
 Acq: 20 Sep 2018 15:28

Tgt Ion: 63 Resp: 905471
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.4 83.0#
 62 16.8 55.4 83.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. -0.02 min

Lab File: VL032508.D

Acq: 20 Sep 2018 15:28

Instrument :

MSVOA_L

ClientSampleId :

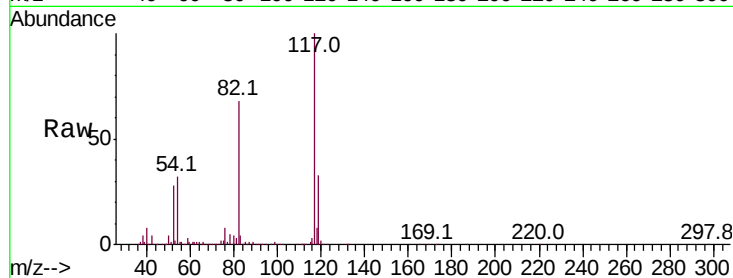
Tot Ion:117 Resp: 3398655

Ion Ratio Lower Upper

117 100

82 68.9 53.0 79.6

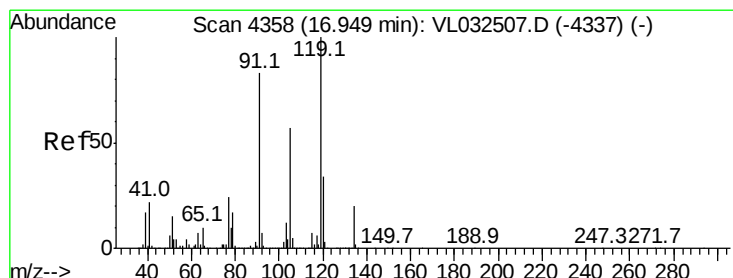
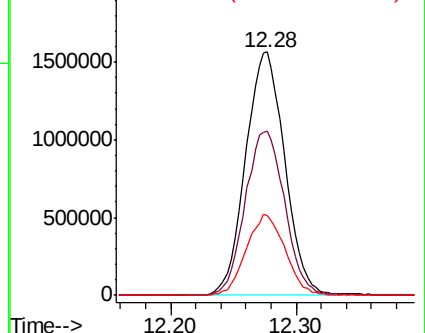
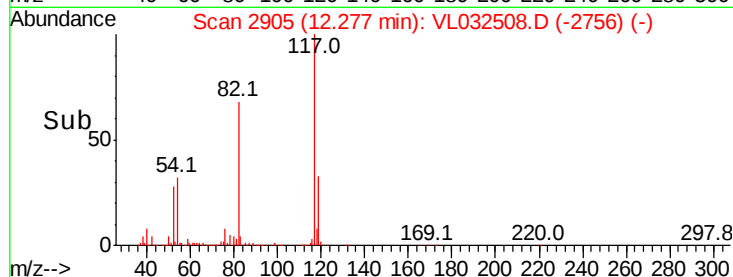
119 33.0 45.9 68.9#



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



#65

tert-Butylbenzene

Concen: 0.090 ppbv

RT: 17.14 min Scan# 4418

Delta R.T. 0.18 min

Lab File: VL032508.D

Acq: 20 Sep 2018 15:28

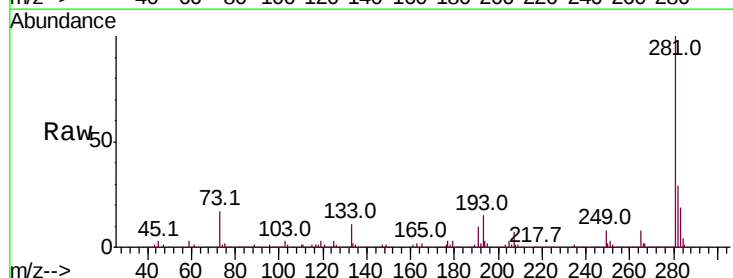
Tgt Ion:119 Resp: 38663

Ion Ratio Lower Upper

119 100

91 0.4 66.5 99.7#

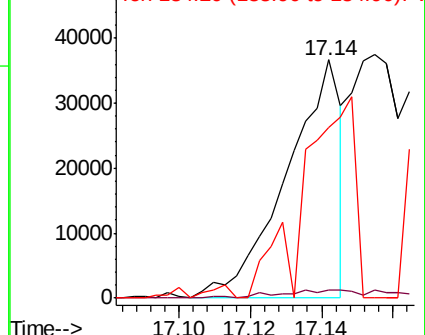
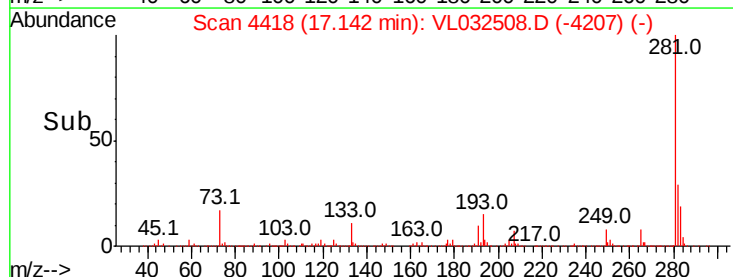
134 0.0 16.0 24.0#

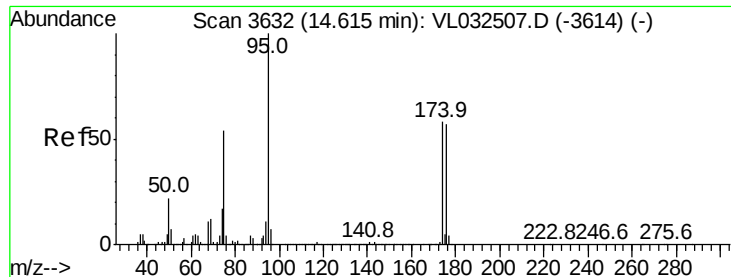


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.511 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032508.D

Acq: 20 Sep 2018 15:28

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2652135

Ion Ratio Lower Upper

95 100

174 58.3 46.3 69.5

175 4.2 3.4 5.0

