

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121318\
 Data File : VL032991.D
 Acq On : 13 Dec 2018 20:13
 Operator : SY/AP
 Sample : J6382-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-SG001-181212-01DL

Quant Time: Dec 14 11:07:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.76	49	1171588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2842993	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3047814	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2417911	10.74	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.40%

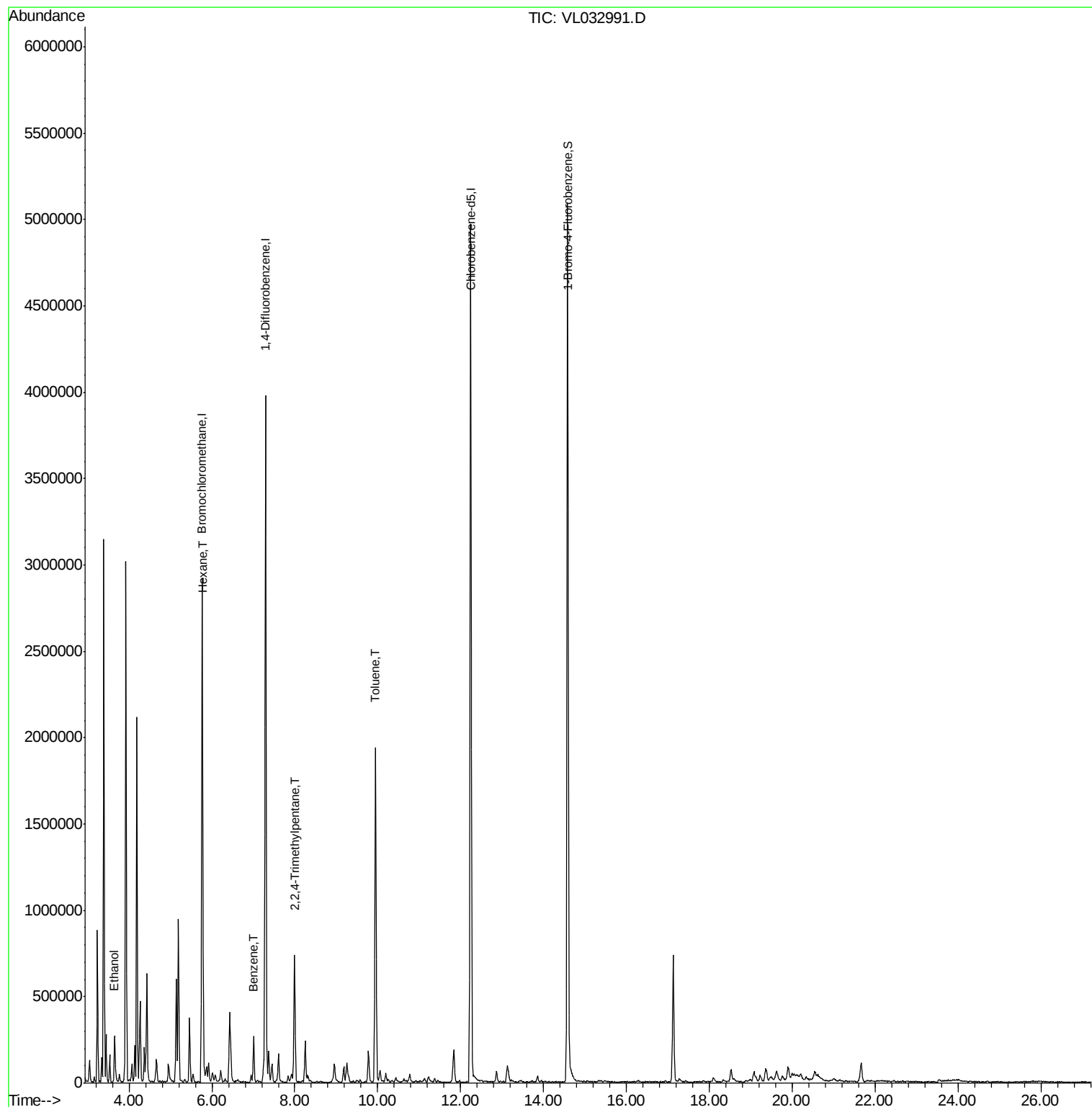
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	291296	24.114	ppbv	97
26) Hexane	5.78	57	238894	2.178	ppbv #	42
36) Benzene	7.01	78	213529	1.021	ppbv	97
44) 2,2,4-Trimethylpentane	7.99	57	628396	1.770	ppbv	93
53) Toluene	9.95	91	1327530	5.986	ppbv	100

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

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P0068-SG001-181212-01DL

Quant Time: Dec 14 11:07:06 2018
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL032991.D

Acq: 13 Dec 2018 20:13

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01DL

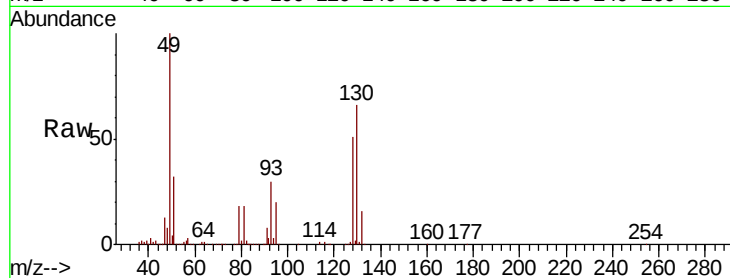
Tot Ion: 49 Resp: 1171588

Ion Ratio Lower Upper

49 100

128 52.2 26.3 78.8

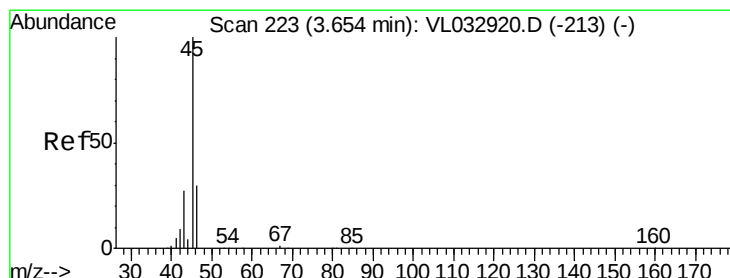
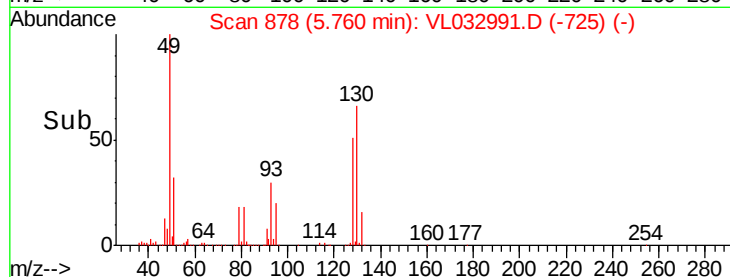
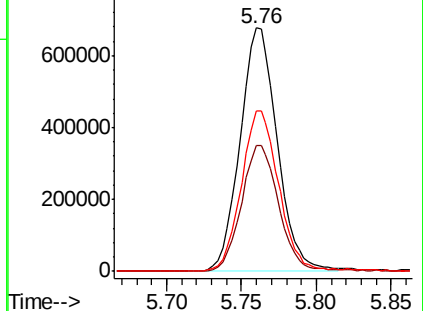
130 66.9 33.9 101.7



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: 24.114 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL032991.D

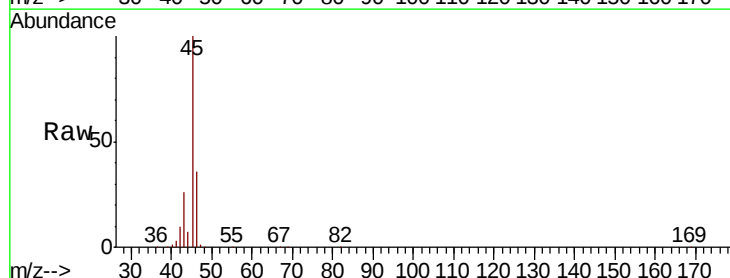
Acq: 13 Dec 2018 20:13

Tgt Ion: 45 Resp: 291296

Ion Ratio Lower Upper

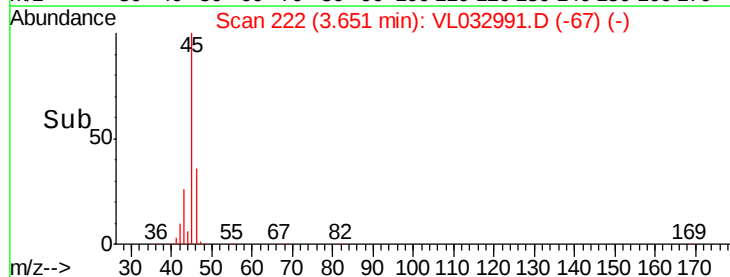
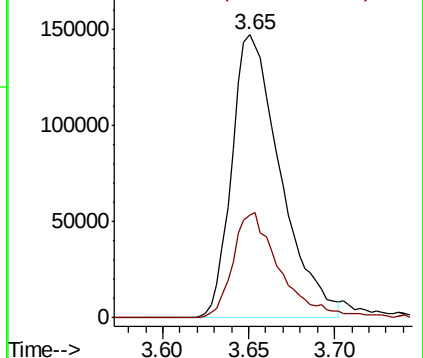
45 100

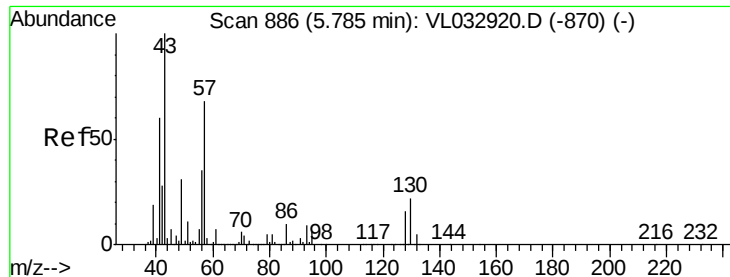
46 36.5 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

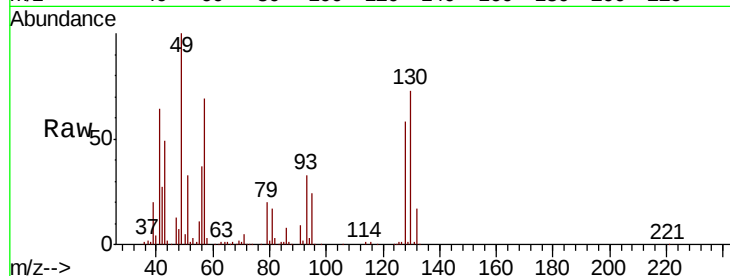




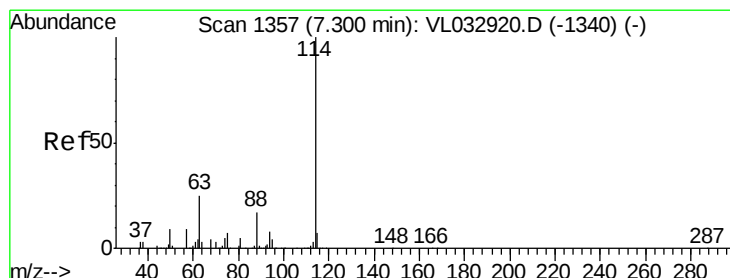
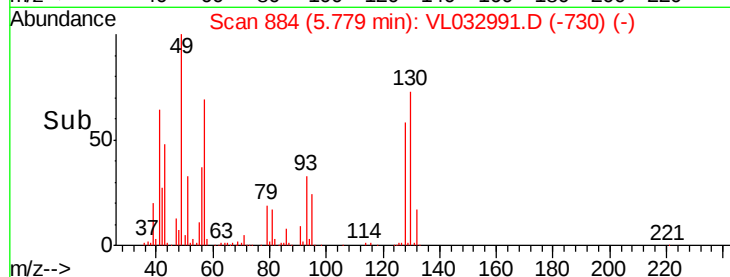
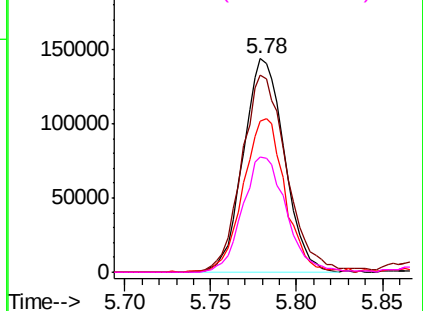
#26
Hexane
Concen: 2.178 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032991.D
Acq: 13 Dec 2018 20:13

Instrument :
MSVOA_L
ClientSampleId :
P0068-SG001-181212-01DL

Tot Ion: 57 Resp: 238894
Ion Ratio Lower Upper
57 100
41 101.5 72.2 108.2
43 73.2 171.9 257.9#
56 57.8 42.2 63.2

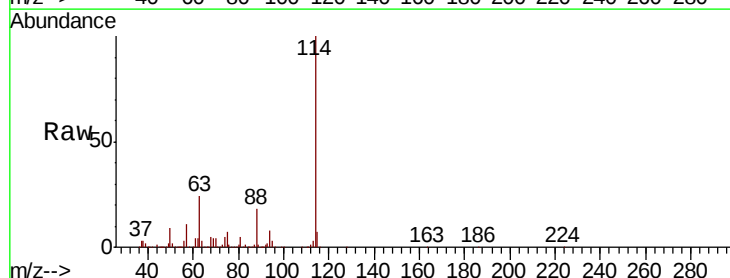


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

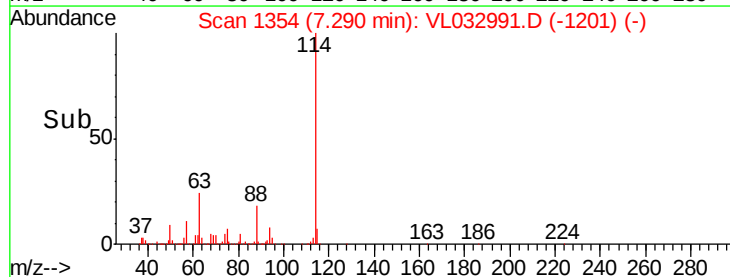
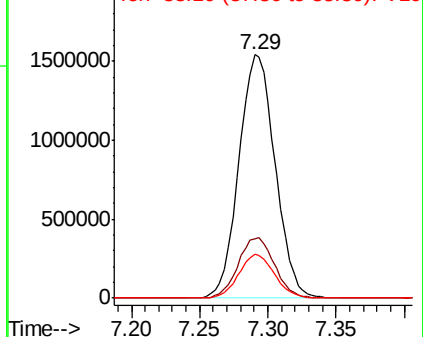


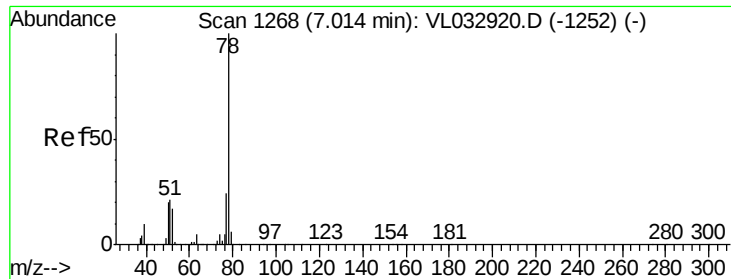
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL032991.D
Acq: 13 Dec 2018 20:13

Tgt Ion: 114 Resp: 2842993
Ion Ratio Lower Upper
114 100
63 25.0 20.1 30.1
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





#36

Benzene

Concen: 1.021 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL032991.D

Acq: 13 Dec 2018 20:13

Instrument :

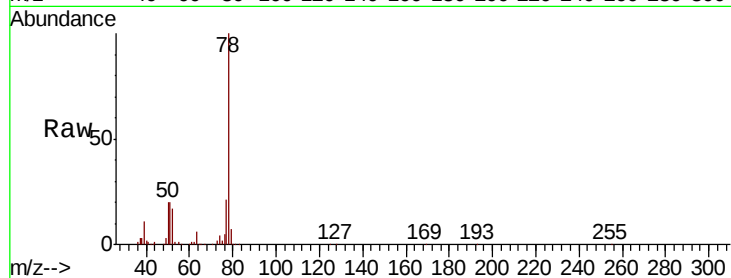
MSVOA_L

ClientSampleId :

P0068-SG001-181212-01DL

Tot Ion: 78 Resp: 213529

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.9	28.3
50	19.4	16.1	24.1

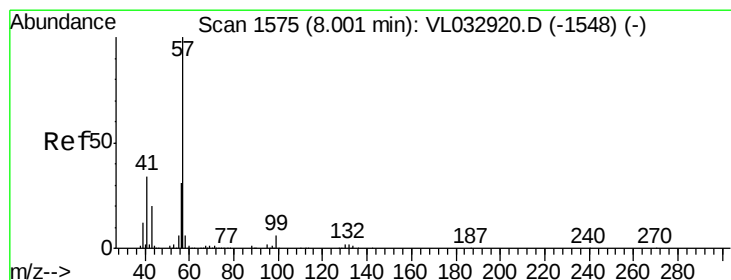
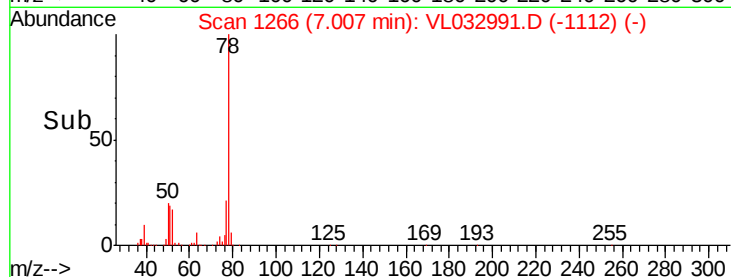
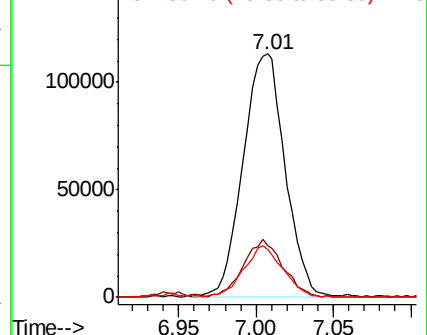


Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.770 ppbv

RT: 7.99 min Scan# 1572

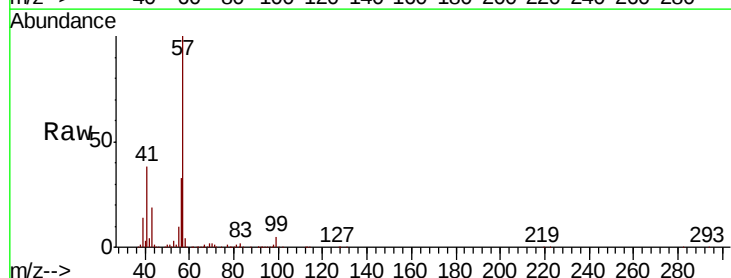
Delta R.T. -0.01 min

Lab File: VL032991.D

Acq: 13 Dec 2018 20:13

Tgt Ion: 57 Resp: 628396

Ion	Ratio	Lower	Upper
57	100		
41	37.7	27.0	40.4
56	34.6	24.6	37.0

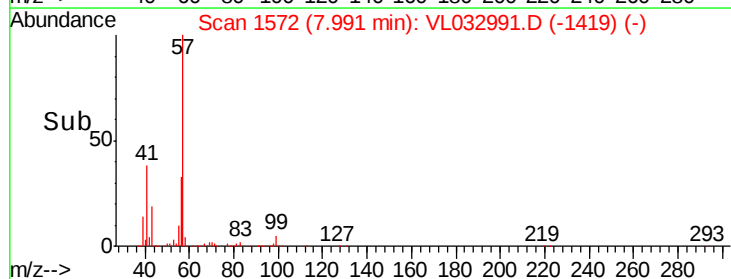
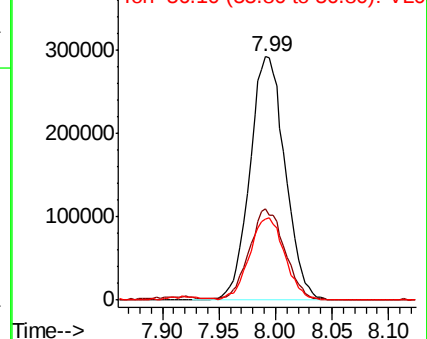


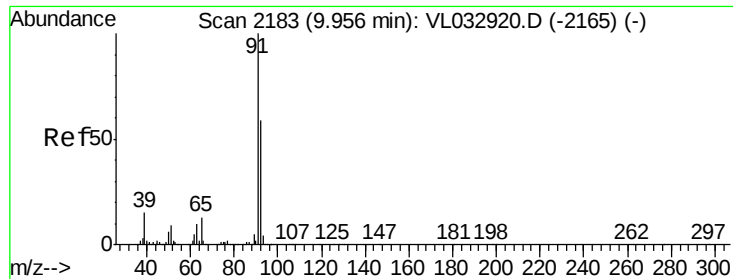
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 5.986 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL032991.D

Acq: 13 Dec 2018 20:13

Instrument :

MSVOA_L

ClientSampleId :

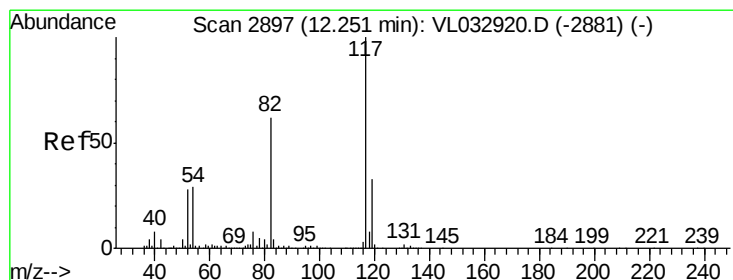
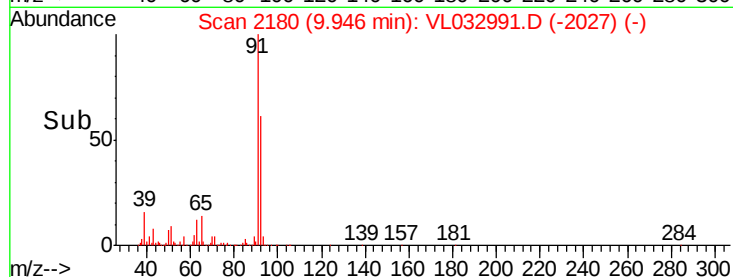
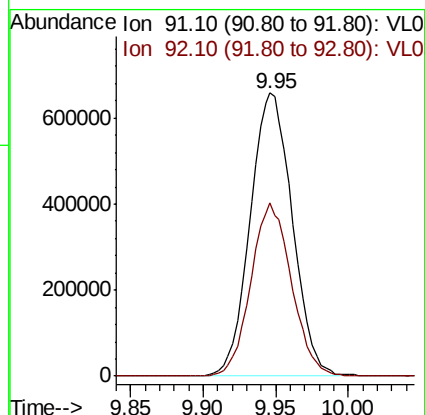
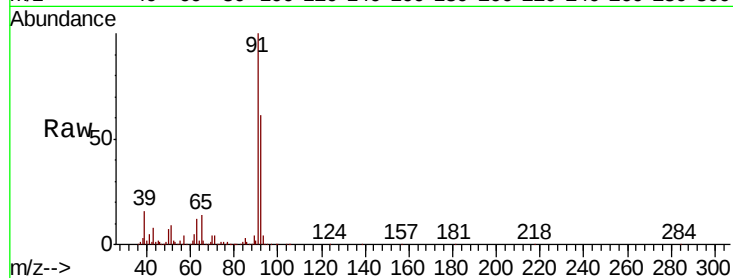
P0068-SG001-181212-01DL

Tot Ion: 91 Resp: 1327530

Ion Ratio Lower Upper

91 100

92 59.0 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL032991.D

Acq: 13 Dec 2018 20:13

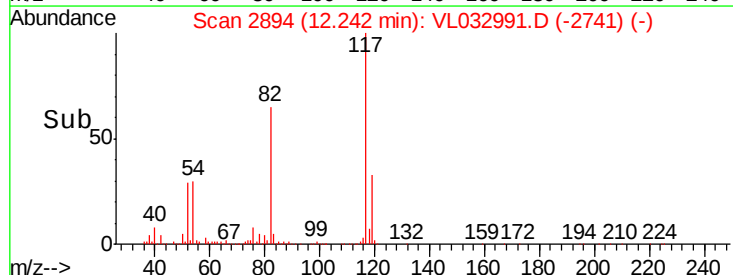
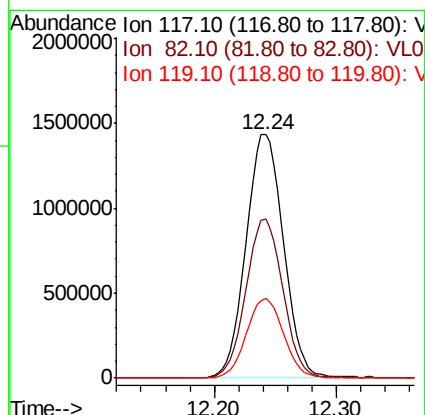
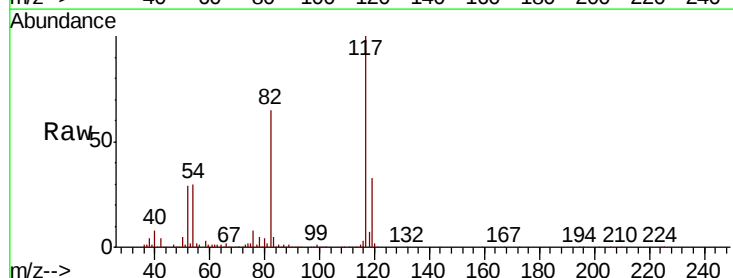
Tgt Ion: 117 Resp: 3047814

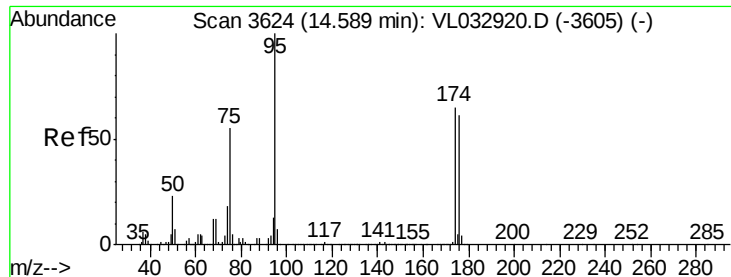
Ion Ratio Lower Upper

117 100

82 65.1 47.8 71.8

119 32.4 43.1 64.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.738 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL032991.D

Acq: 13 Dec 2018 20:13

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01DL

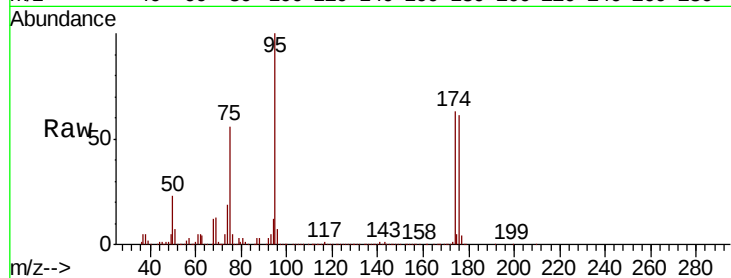
Tot Ion: 95 Resp: 2417911

Ion Ratio Lower Upper

95 100

174 64.6 51.4 77.0

175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

