

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032868.D
 Acq On : 1 Dec 2018 3:28
 Operator : SY/AP
 Sample : J6132-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-06DL

Quant Time: Dec 03 16:42:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1339093	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3275208	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3148559	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2479100	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

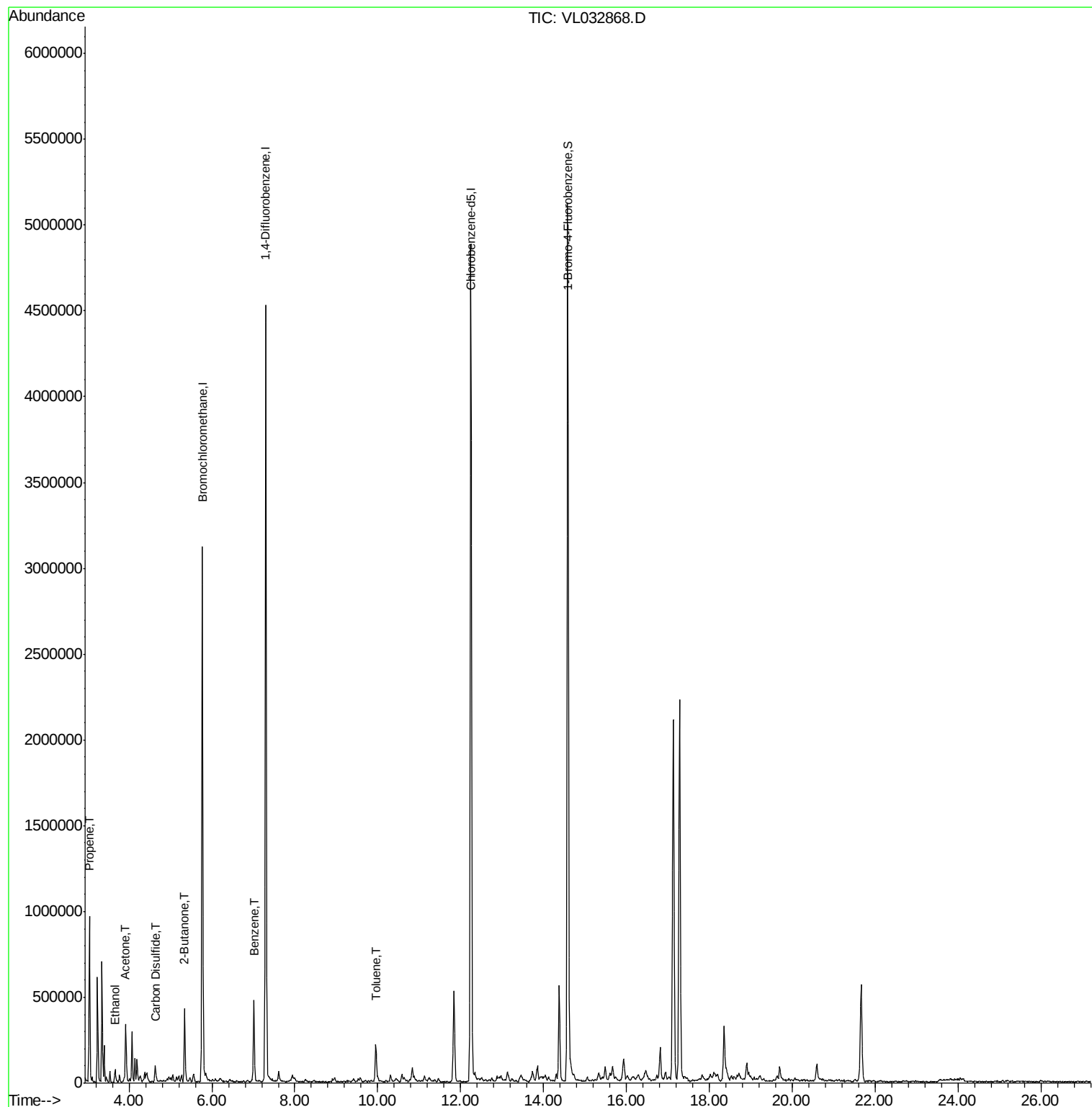
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	378759	8.915	ppbv	93
13) Ethanol	3.66	45	69415	4.988	ppbv	96
15) Acetone	3.91	43	319250	2.611	ppbv #	80
27) Carbon Disulfide	4.63	76	77087	0.479	ppbv #	83
34) 2-Butanone	5.34	43	465359	2.739	ppbv	98
36) Benzene	7.01	78	378543	1.451	ppbv	97
53) Toluene	9.95	91	163694	0.602	ppbv	98

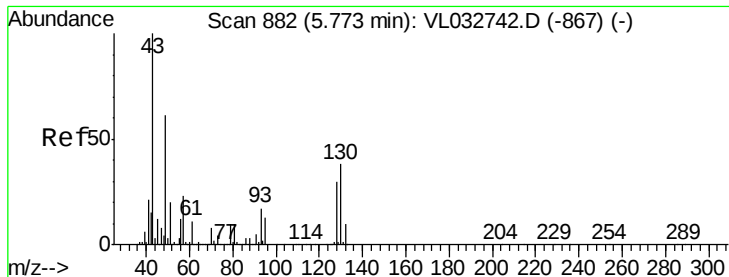
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

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DSV-06DL

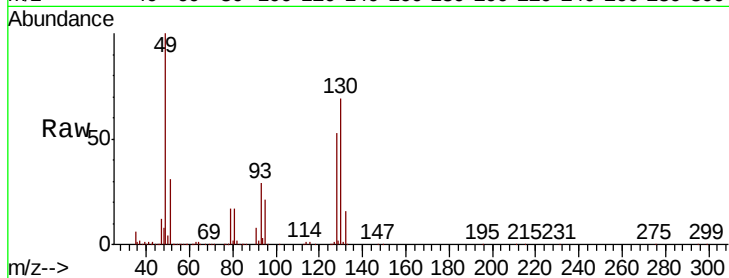
Tot Ion: 49 Resp: 1339093

Ion Ratio Lower Upper

49 100

128 52.5 24.9 74.6

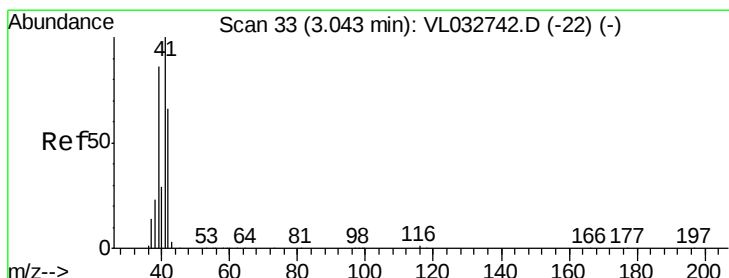
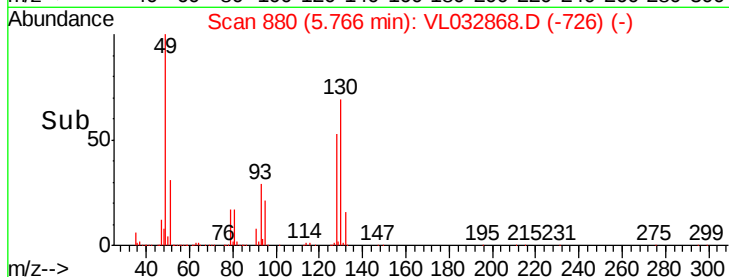
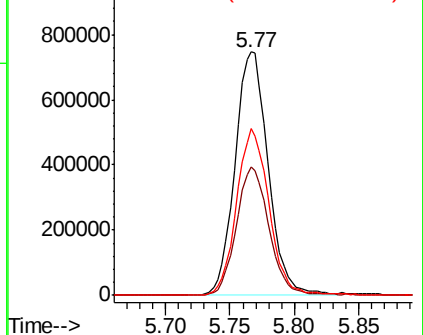
130 67.2 31.4 94.2



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



#9

Propene

Concen: 8.915 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032868.D

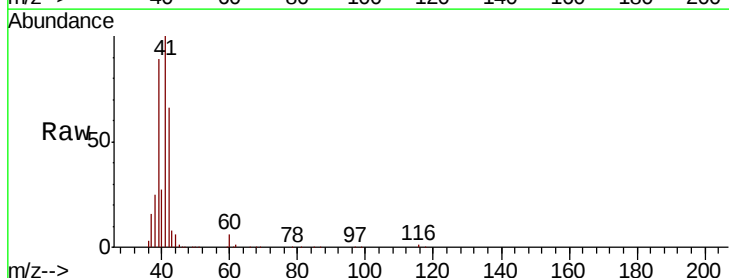
Acq: 1 Dec 2018 3:28

Tgt Ion: 41 Resp: 378759

Ion Ratio Lower Upper

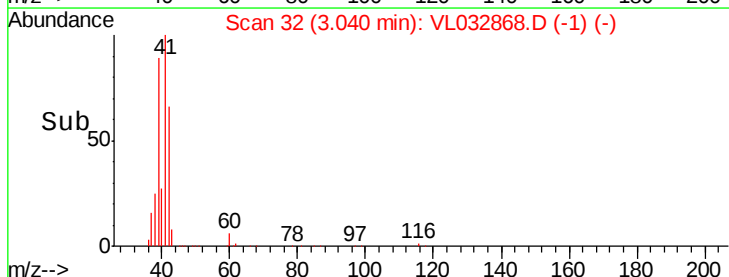
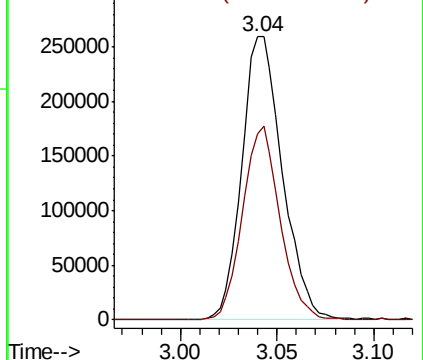
41 100

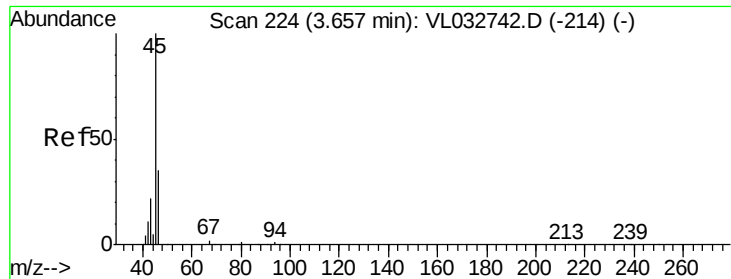
42 63.3 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 4.988 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032868.D

Acq: 1 Dec 2018 3:28

Instrument :

MSVOA_L

ClientSampleId :

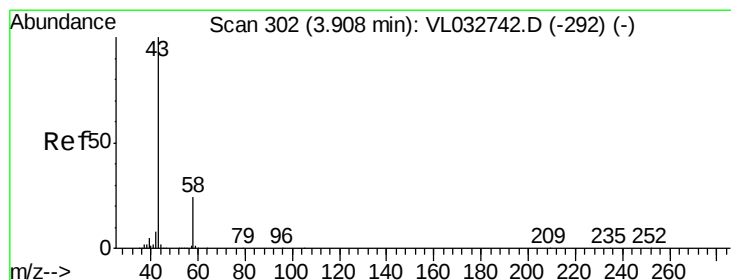
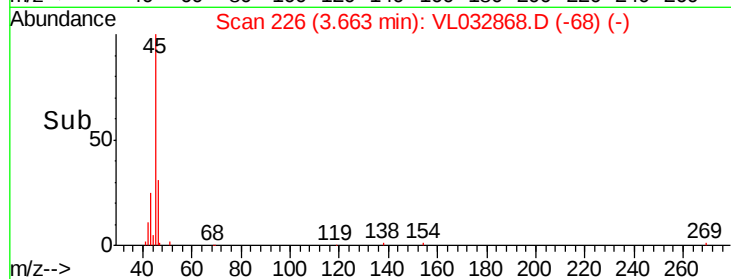
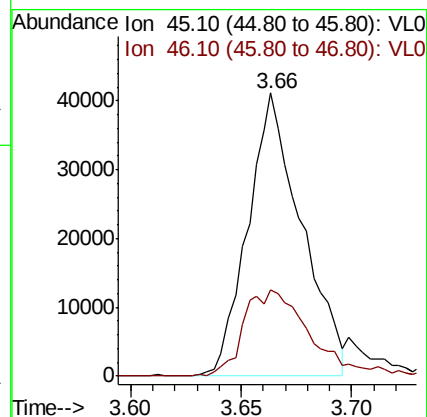
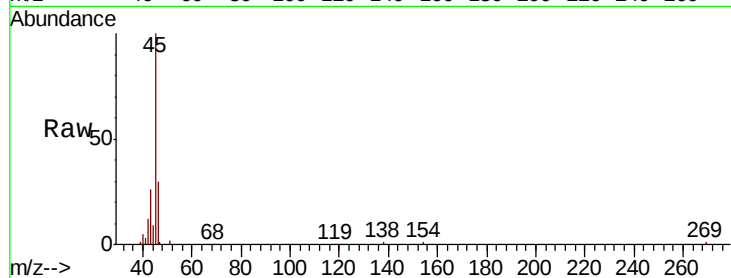
DSV-06DL

Tot Ion: 45 Resp: 69415

Ion Ratio Lower Upper

45 100

46 38.8 14.5 57.9



#15

Acetone

Concen: 2.611 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032868.D

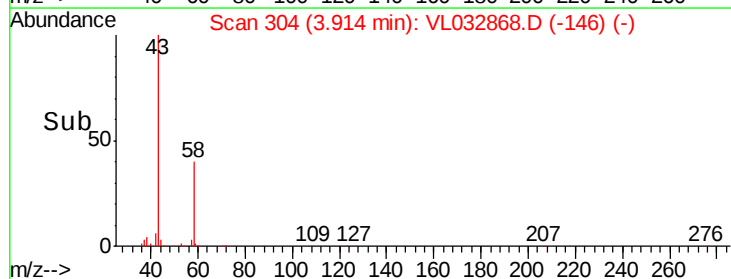
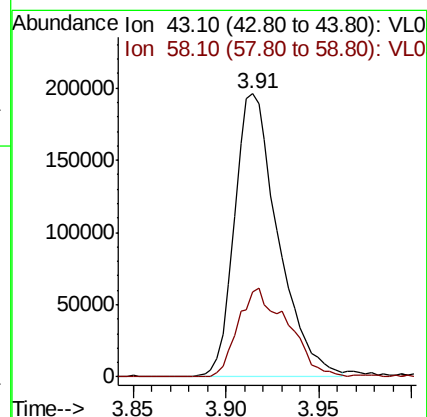
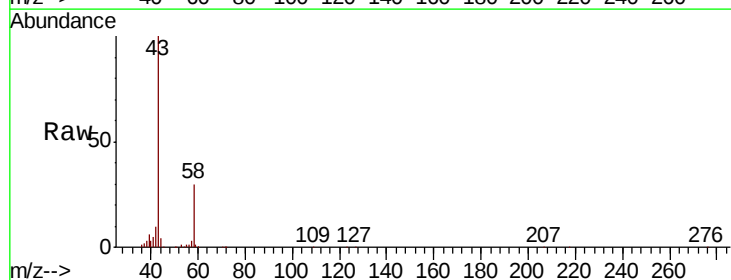
Acq: 1 Dec 2018 3:28

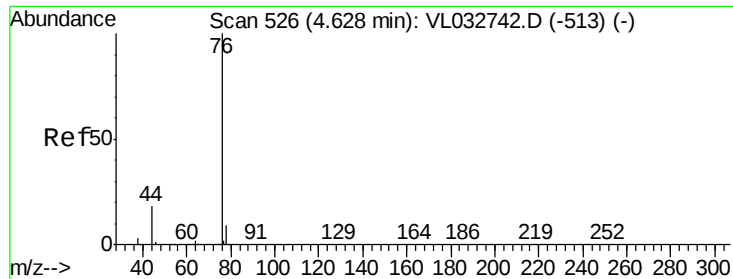
Tgt Ion: 43 Resp: 319250

Ion Ratio Lower Upper

43 100

58 36.7 21.1 31.7#

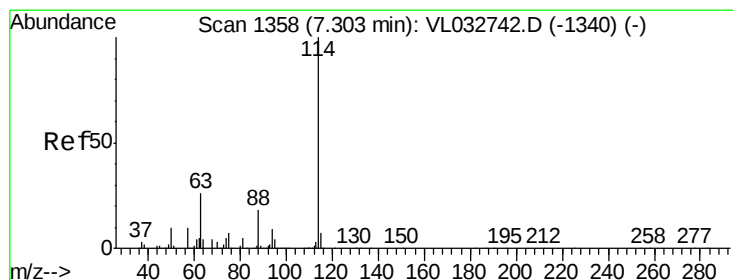
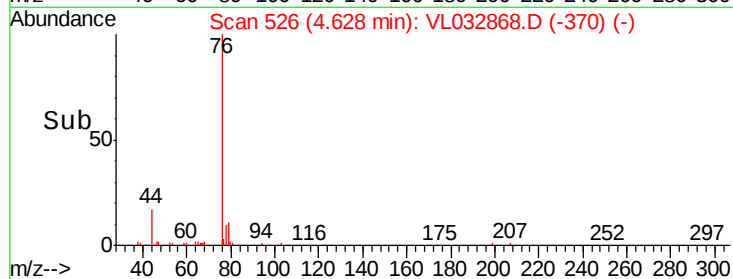
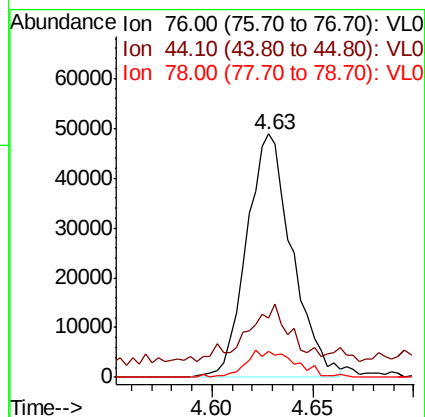
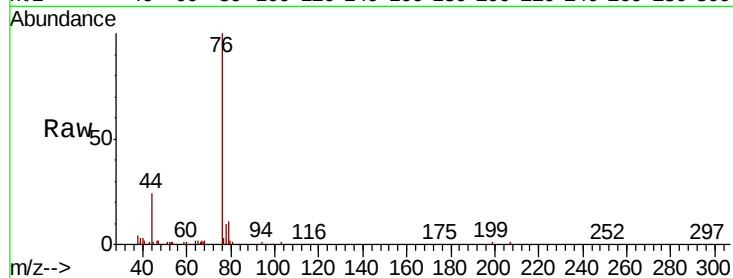




#27
Carbon Disulfide
Concen: 0.479 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL032868.D
Acq: 1 Dec 2018 3:28

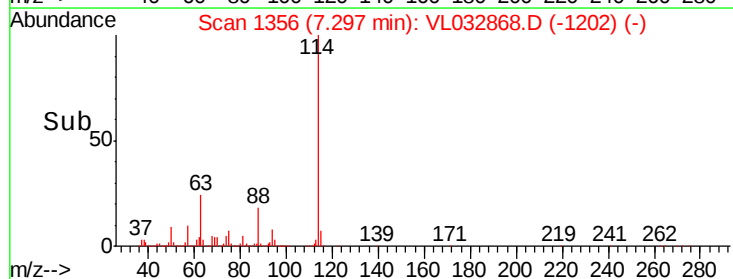
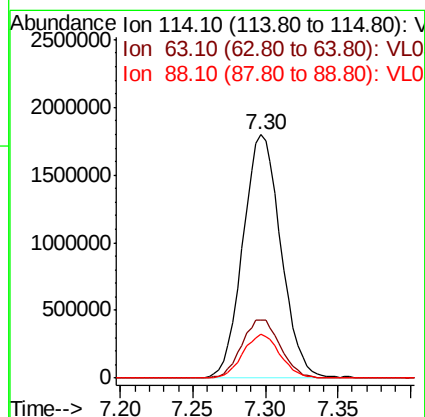
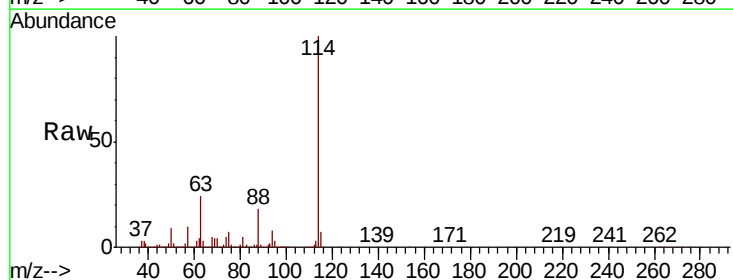
Instrument :
MSVOA_L
ClientSampleId :
DSV-06DL

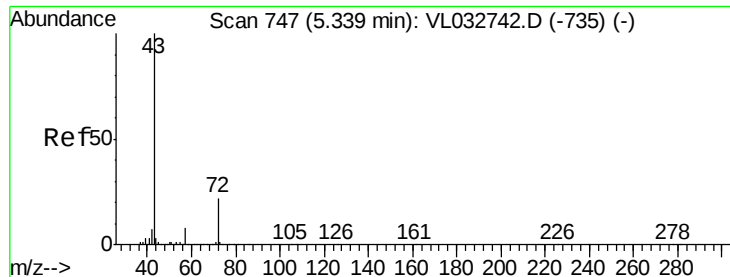
Tot Ion: 76 Resp: 77087
Ion Ratio Lower Upper
76 100
44 28.1 14.4 21.6#
78 12.2 7.7 11.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032868.D
Acq: 1 Dec 2018 3:28

Tgt Ion: 114 Resp: 3275208
Ion Ratio Lower Upper
114 100
63 24.4 20.9 31.3
88 17.6 14.4 21.6

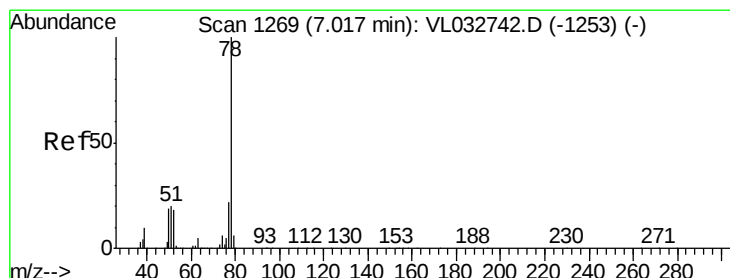
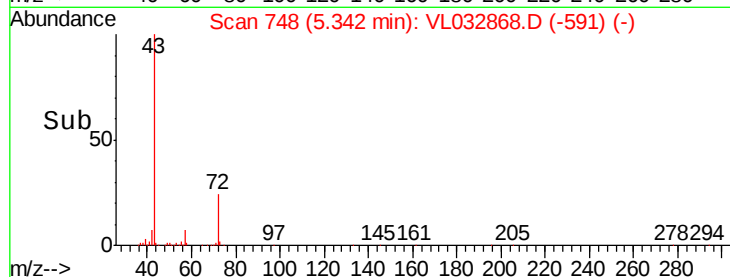
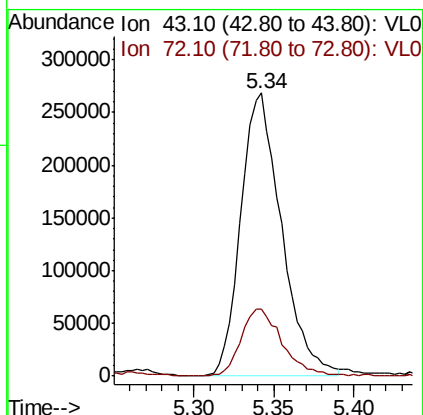
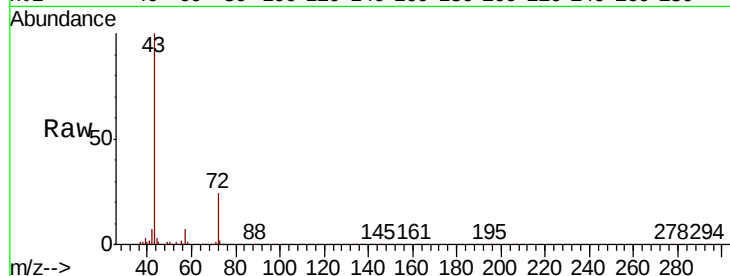




#34
2-Butanone
Concen: 2.739 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032868.D
Acq: 1 Dec 2018 3:28

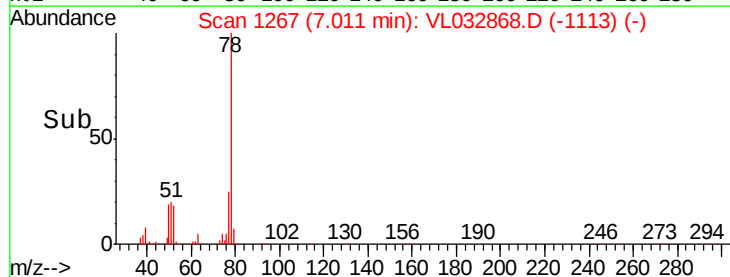
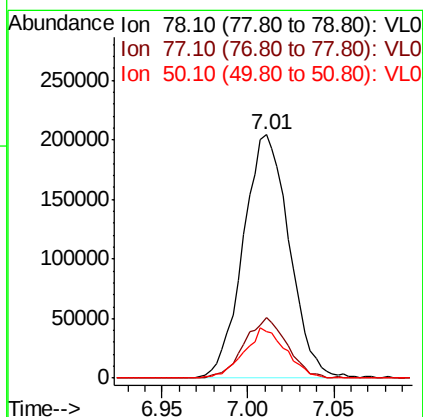
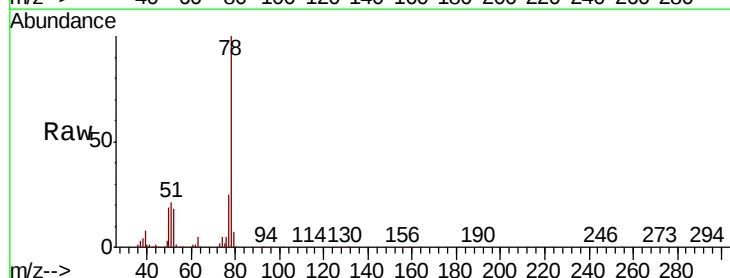
Instrument :
MSVOA_L
ClientSampleId :
DSV-06DL

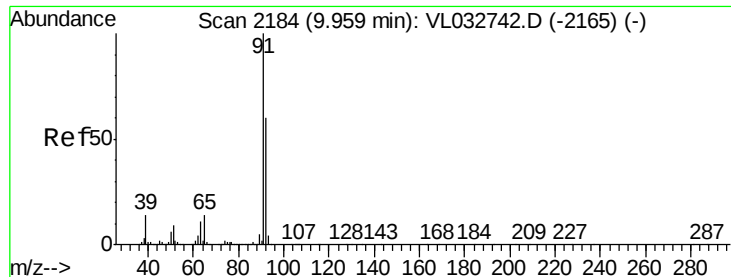
Tot Ion: 43 Resp: 465359
Ion Ratio Lower Upper
43 100
72 23.9 18.4 27.6



#36
Benzene
Concen: 1.451 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032868.D
Acq: 1 Dec 2018 3:28

Tgt Ion: 78 Resp: 378543
Ion Ratio Lower Upper
78 100
77 25.0 17.8 26.8
50 19.0 15.4 23.0





#53

Toluene

Concen: 0.602 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032868.D

Acq: 1 Dec 2018 3:28

Instrument :

MSVOA_L

ClientSampleId :

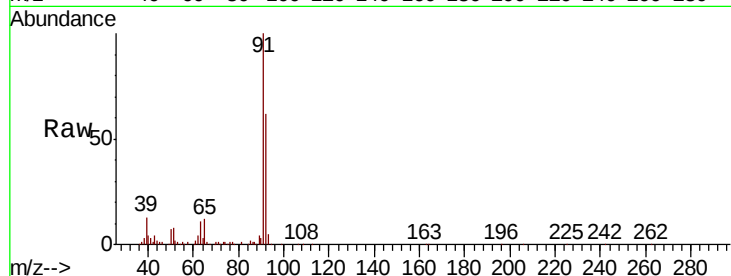
DSV-06DL

Tot Ion: 91 Resp: 163694

Ion Ratio Lower Upper

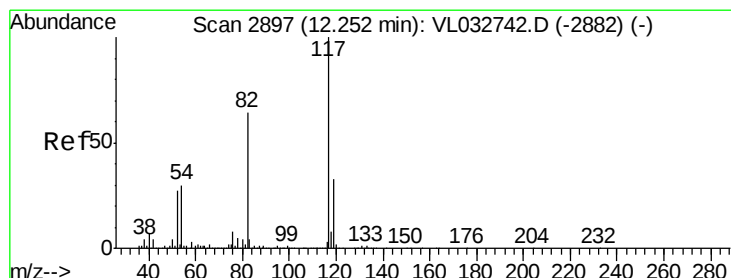
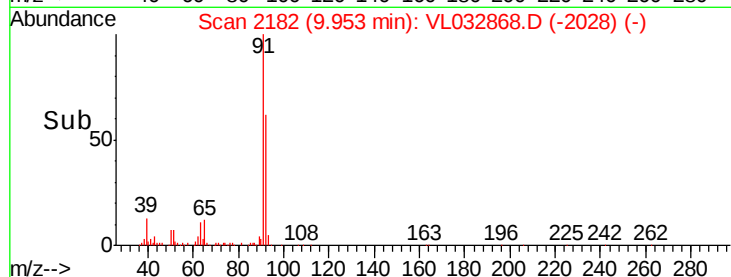
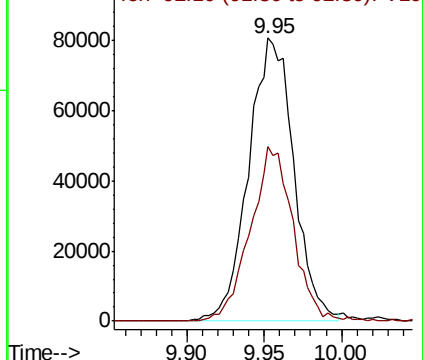
91 100

92 58.6 47.9 71.9



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: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032868.D

Acq: 1 Dec 2018 3:28

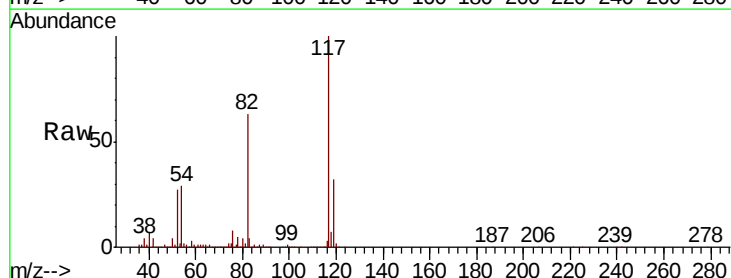
Tgt Ion: 117 Resp: 3148559

Ion Ratio Lower Upper

117 100

82 63.1 51.0 76.6

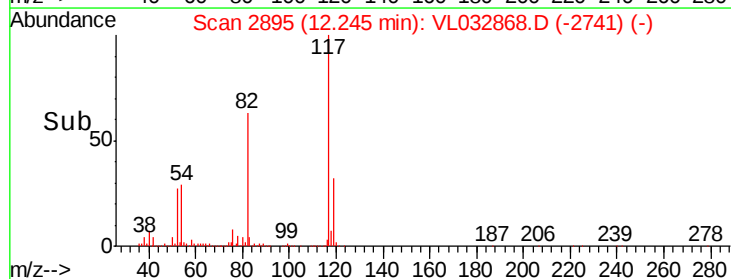
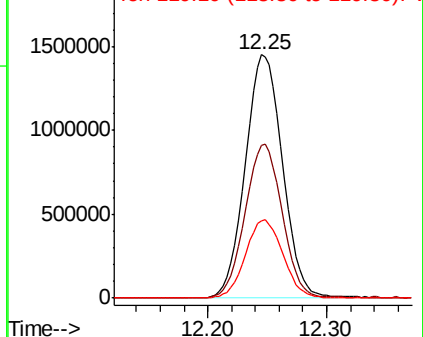
119 32.5 28.0 42.0

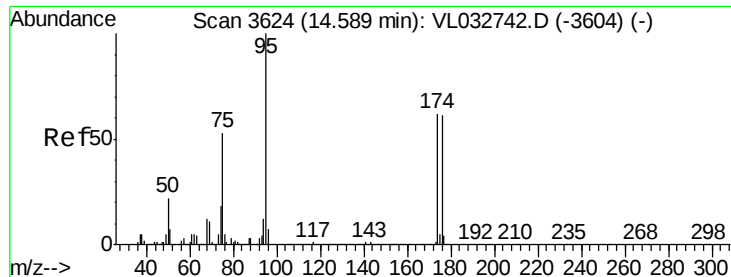


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.527 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032868.D

Acq: 1 Dec 2018 3:28

Instrument :

MSVOA_L

ClientSampleId :

DSV-06DL

Tot Ion: 95 Resp: 2479100

Ion Ratio Lower Upper

95 100

174 66.0 50.7 76.1

175 4.9 3.8 5.6

