

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121318\
 Data File : VL032992.D
 Acq On : 13 Dec 2018 20:51
 Operator : SY/AP
 Sample : J6382-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 14 03:11:26 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	1171270	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2571538	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2900416	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2320471	10.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.30%

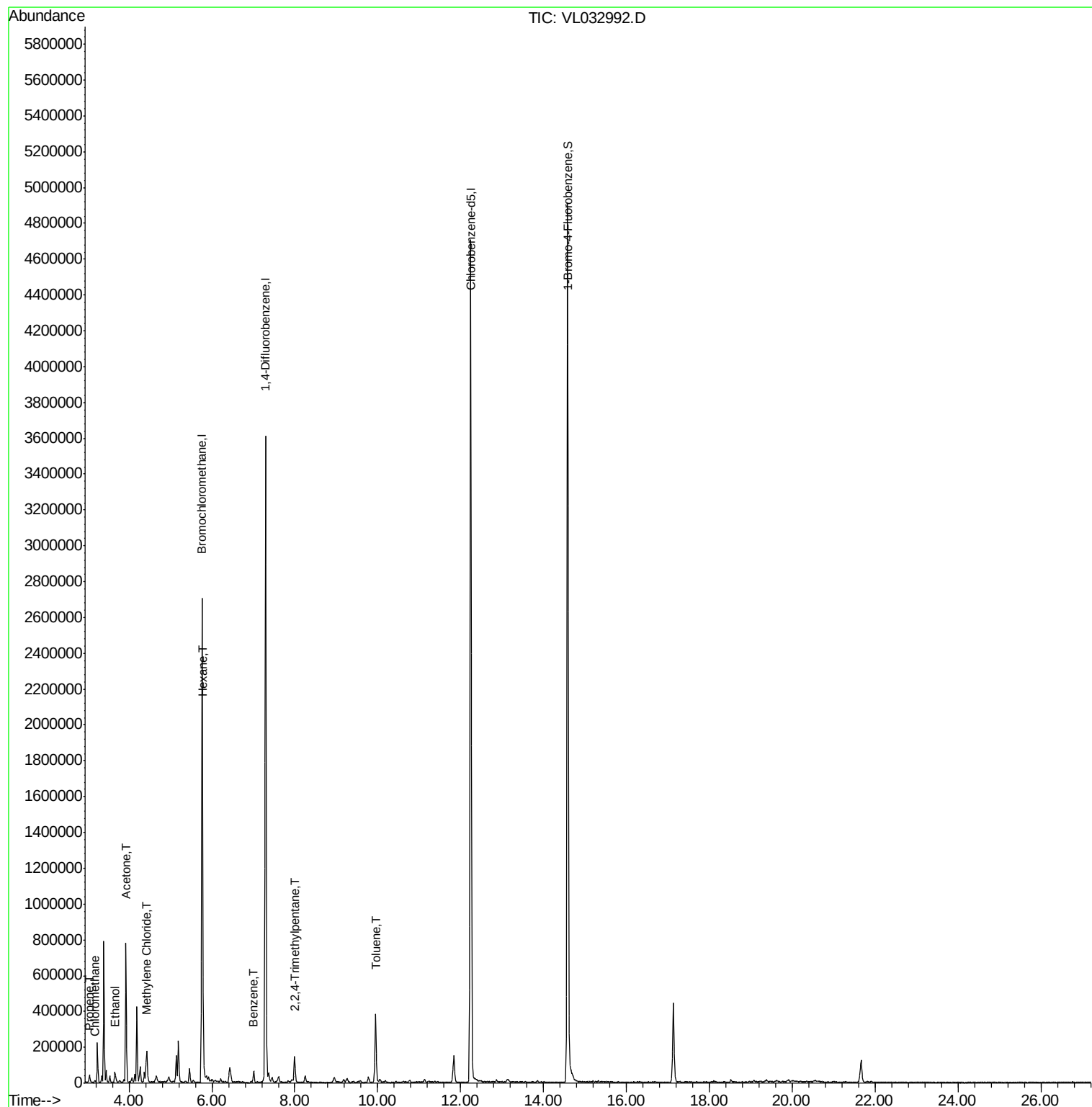
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	9264	0.179	ppbv #	74
9) Propene	3.05	41	11052	0.315	ppbv	86
13) Ethanol	3.66	45	62444	5.171	ppbv	96
15) Acetone	3.93	43	285462	2.839	ppbv #	66
20) Methylene Chloride	4.41	84	34121	0.694	ppbv	94
26) Hexane	5.78	57	62237	0.568	ppbv #	40
36) Benzene	7.01	78	47725	0.252	ppbv	93
44) 2,2,4-Trimethylpentane	7.99	57	108104	0.337	ppbv #	82
53) Toluene	9.95	91	245532	1.224	ppbv	99

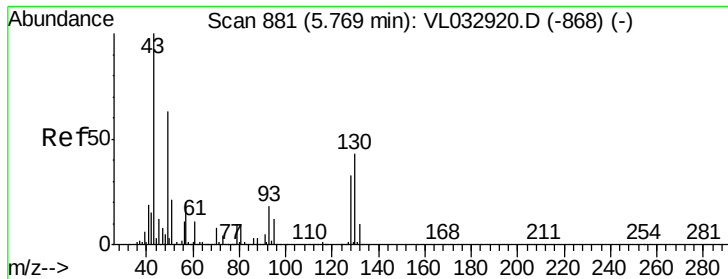
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01DL

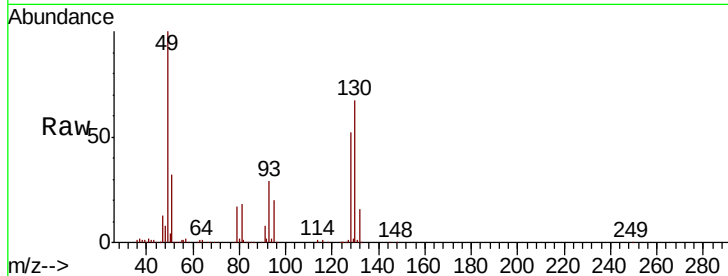
Tot Ion: 49 Resp: 1171270

Ion Ratio Lower Upper

49 100

128 52.4 26.3 78.8

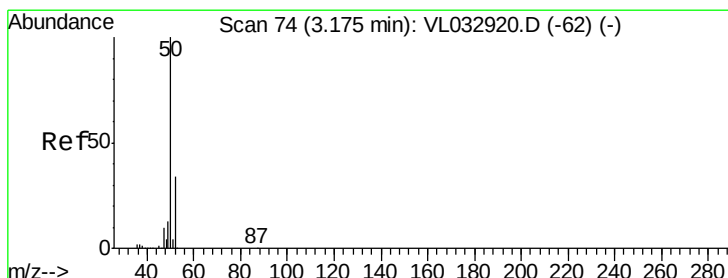
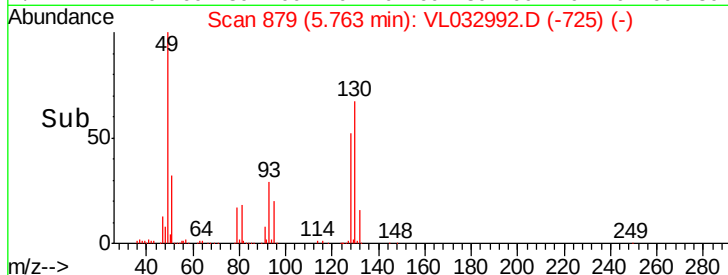
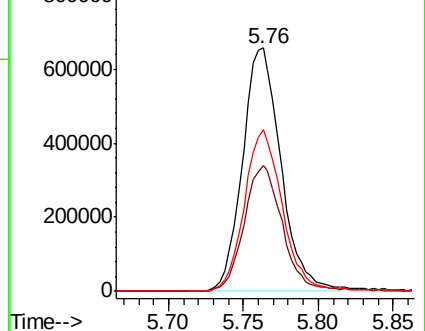
130 66.4 33.9 101.7



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



#4

Chloromethane

Concen: 0.179 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032992.D

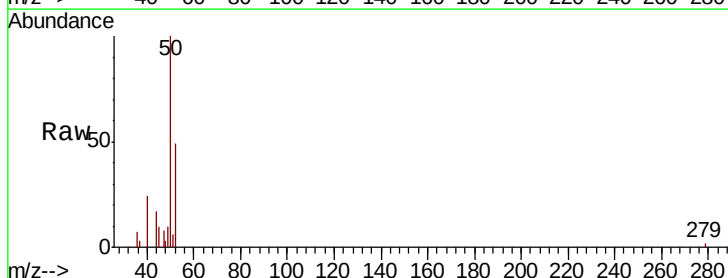
Acq: 13 Dec 2018 20:51

Tgt Ion: 50 Resp: 9264

Ion Ratio Lower Upper

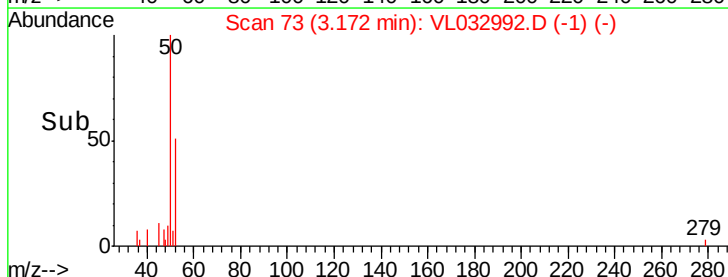
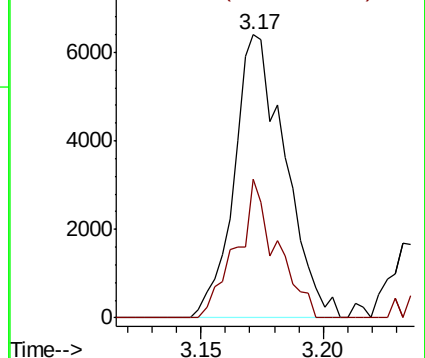
50 100

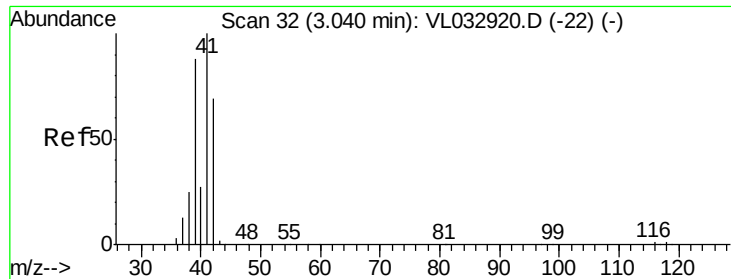
52 49.2 27.3 40.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.315 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Instrument :

MSVOA_L

ClientSampleId :

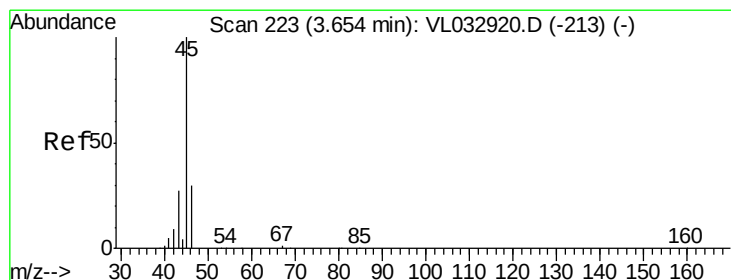
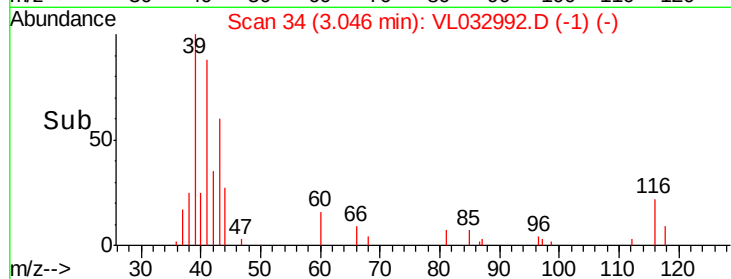
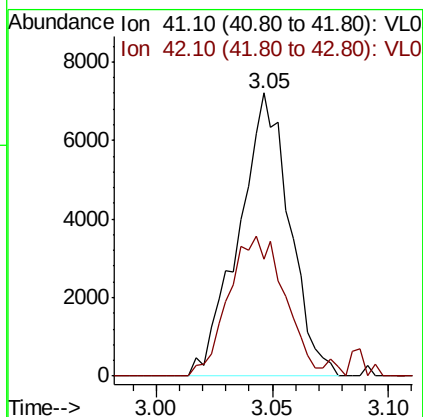
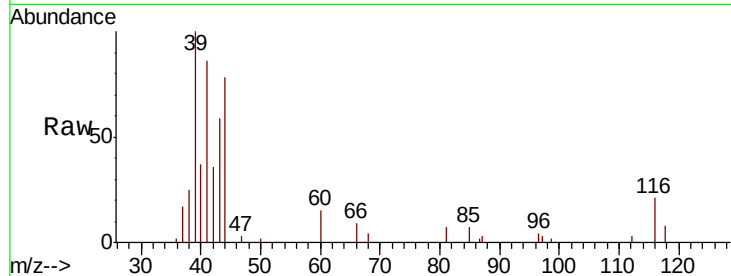
P0068-SG001-181212-01DL

Tot Ion: 41 Resp: 11052

Ion Ratio Lower Upper

41 100

42 58.3 56.2 84.2



#13

Ethanol

Concen: 5.171 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL032992.D

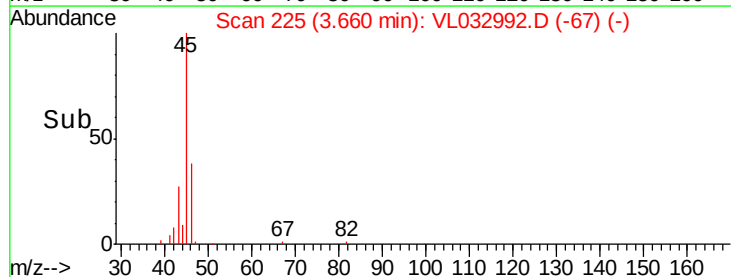
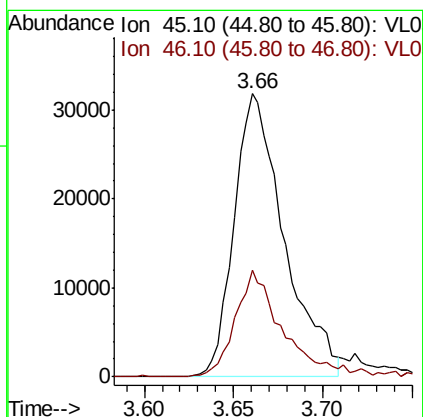
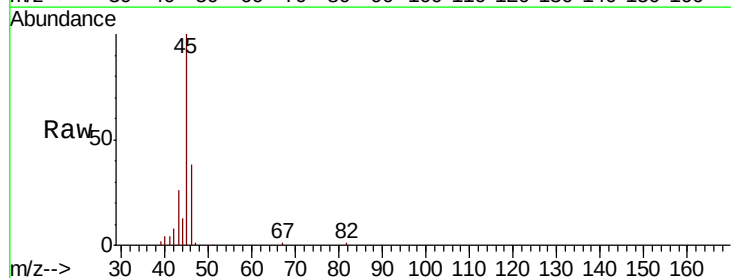
Acq: 13 Dec 2018 20:51

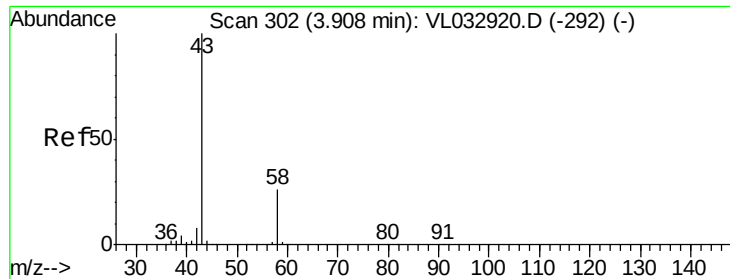
Tgt Ion: 45 Resp: 62444

Ion Ratio Lower Upper

45 100

46 36.8 13.8 55.4





#15

Acetone

Concen: 2.839 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Instrument :

MSVOA_L

ClientSampleId :

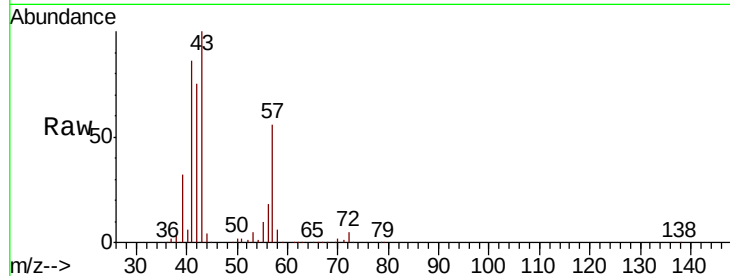
P0068-SG001-181212-01DL

Tot Ion: 43 Resp: 285462

Ion Ratio Lower Upper

43 100

58 8.4 20.6 30.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

200000

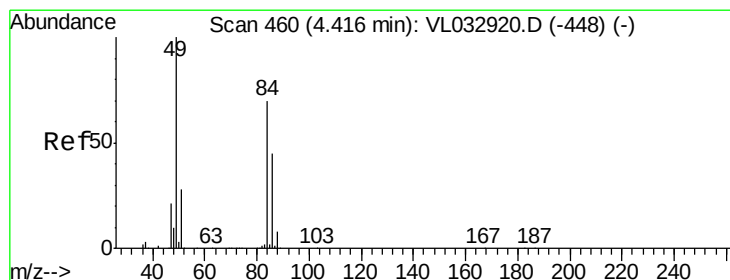
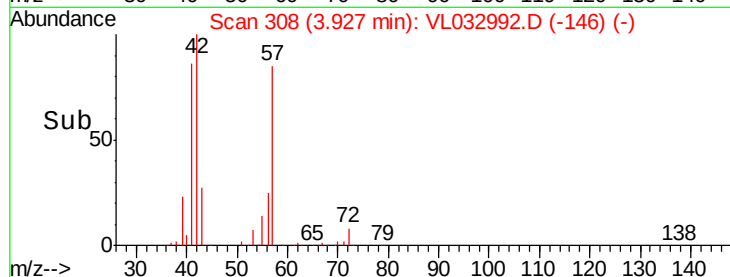
150000

100000

50000

0

Time--> 3.85 3.90 3.95



#20

Methylene Chloride

Concen: 0.694 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Tgt Ion: 84 Resp: 34121

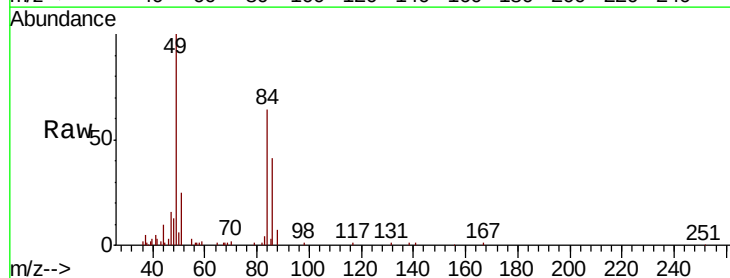
Ion Ratio Lower Upper

84 100

49 153.7 113.8 170.8

51 36.9 31.8 47.8

86 64.5 50.8 76.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

50000

40000

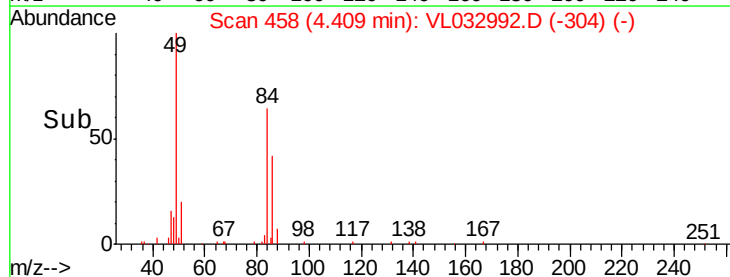
30000

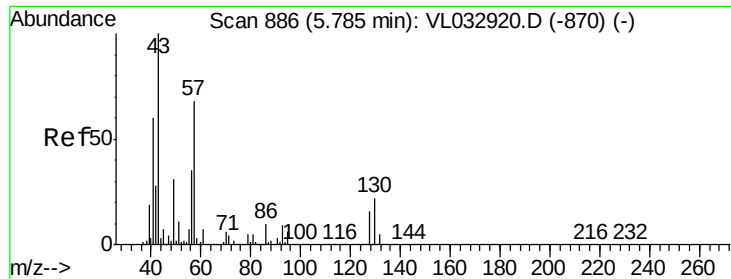
20000

10000

0

Time--> 4.36 4.38 4.40 4.42 4.44





#26

Hexane

Concen: 0.568 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Instrument :

MSVOA_L

ClientSampleId :

P0068-SG001-181212-01DL

Tot Ion: 57 Resp: 62237

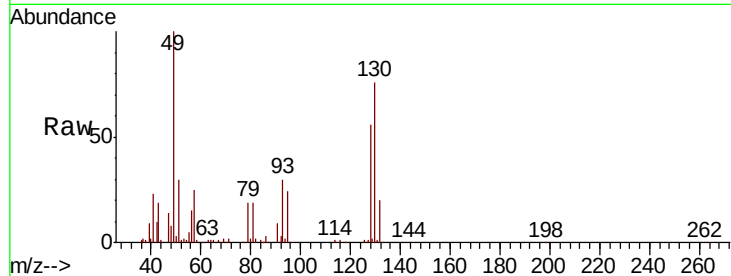
Ion Ratio Lower Upper

57 100

41 112.6 72.2 108.2#

43 78.3 171.9 257.9#

56 64.0 42.2 63.2#

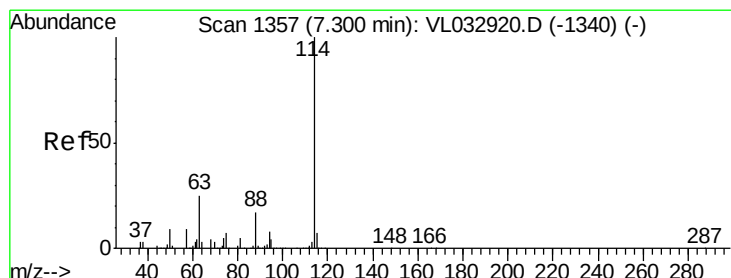
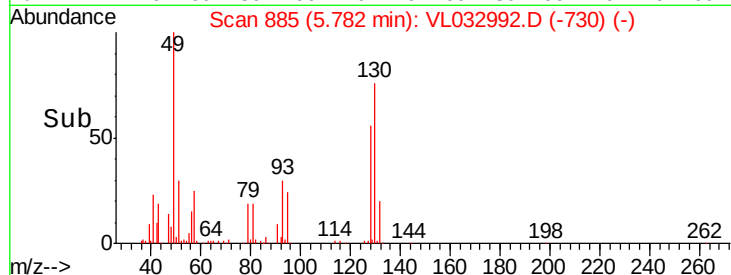
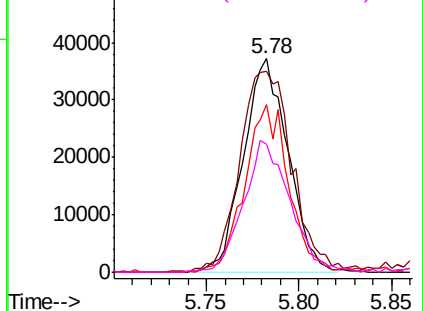


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: VL032992.D

Acq: 13 Dec 2018 20:51

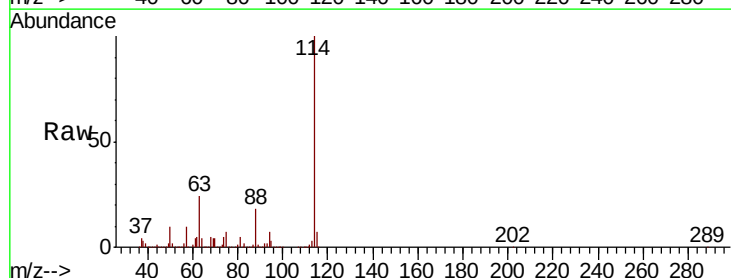
Tgt Ion: 114 Resp: 2571538

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

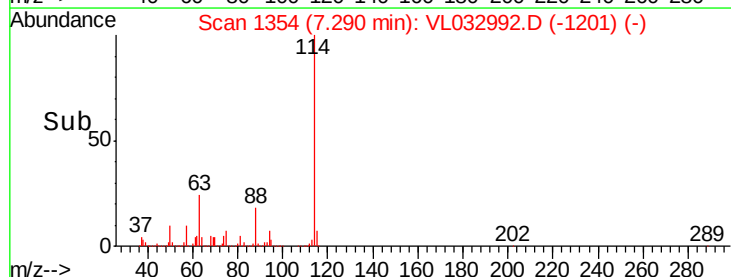
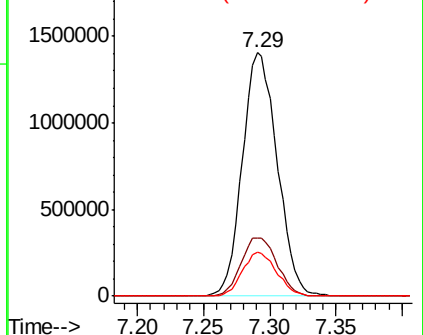
88 17.8 14.2 21.4

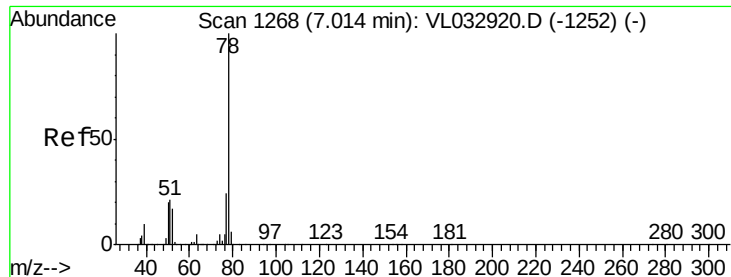


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

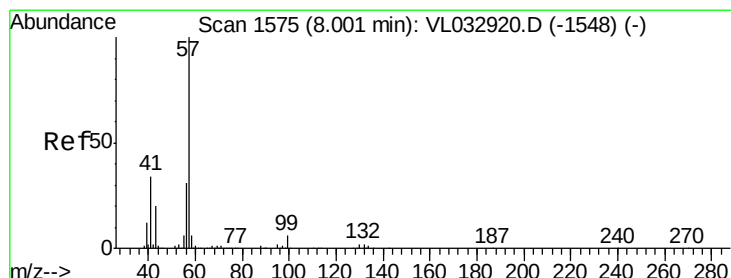
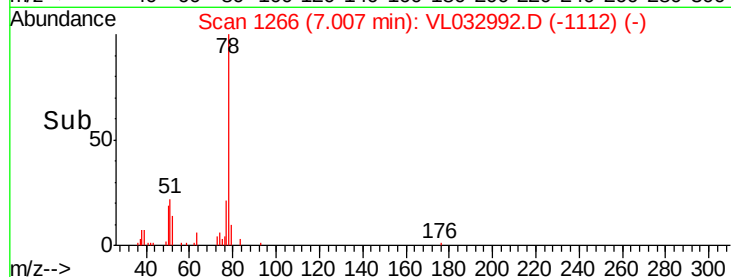
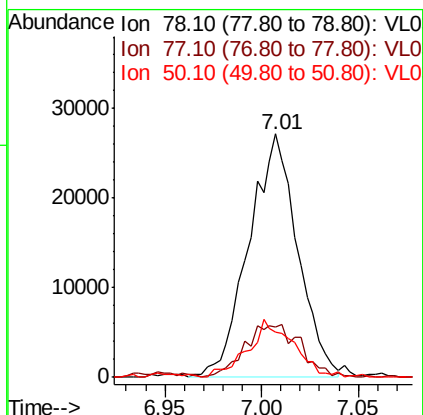
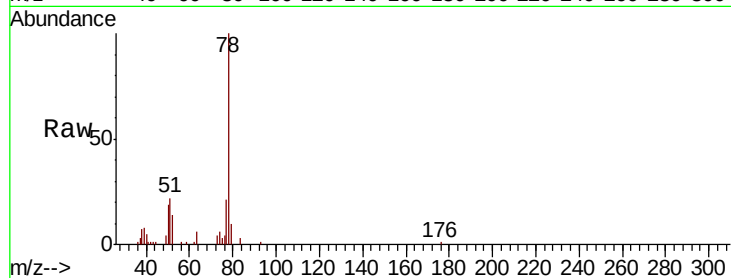




#36
Benzene
Concen: 0.252 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032992.D
Acq: 13 Dec 2018 20:51

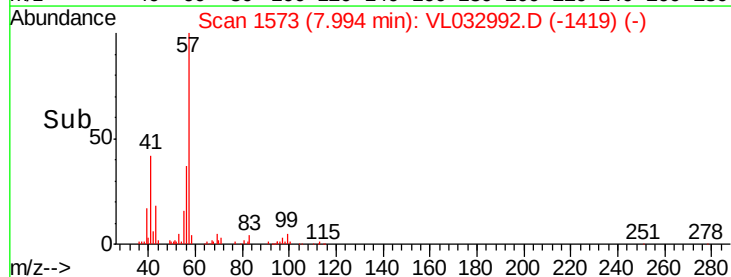
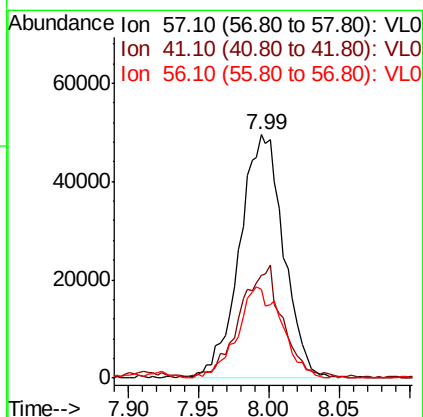
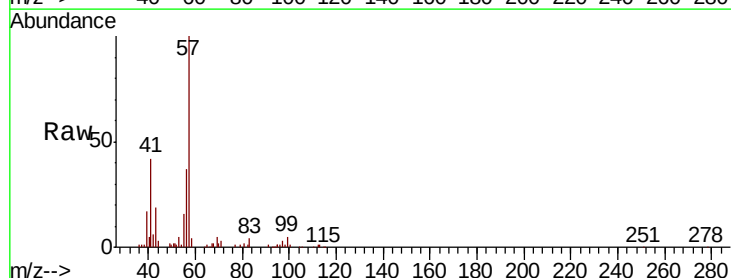
Instrument :
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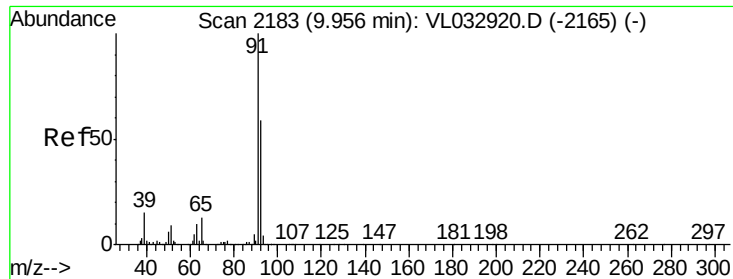
Tot Ion: 78 Resp: 47725
Ion Ratio Lower Upper
78 100
77 19.5 18.9 28.3
50 17.4 16.1 24.1



#44
2,2,4-Trimethylpentane
Concen: 0.337 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032992.D
Acq: 13 Dec 2018 20:51

Tgt Ion: 57 Resp: 108104
Ion Ratio Lower Upper
57 100
41 46.0 27.0 40.4#
56 38.1 24.6 37.0#





#53

Toluene

Concen: 1.224 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Instrument :

MSVOA_L

ClientSampleId :

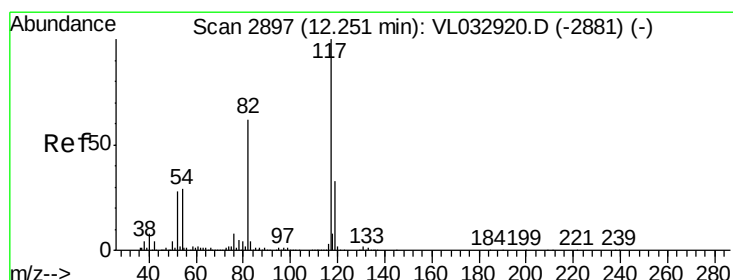
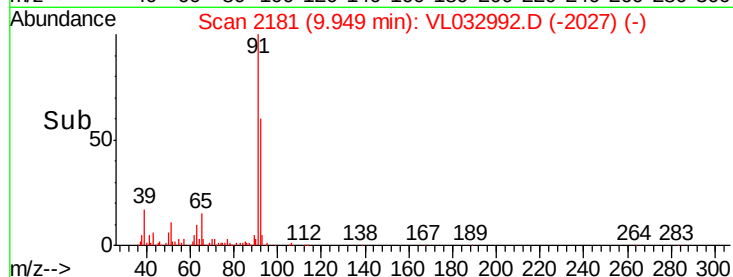
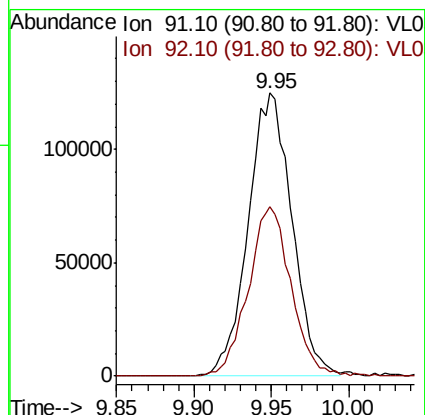
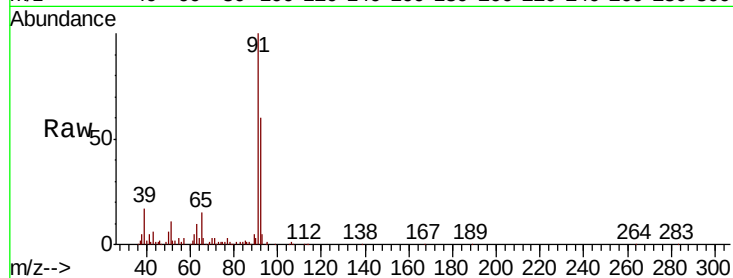
P0068-SG001-181212-01DL

Tot Ion: 91 Resp: 245532

Ion Ratio Lower Upper

91 100

92 58.5 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: VL032992.D

Acq: 13 Dec 2018 20:51

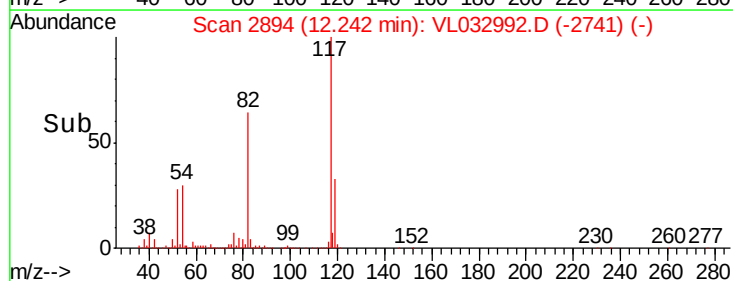
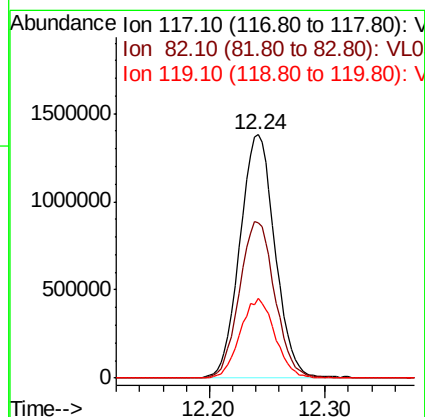
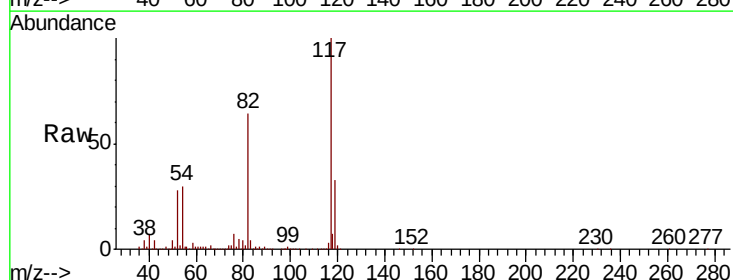
Tgt Ion: 117 Resp: 2900416

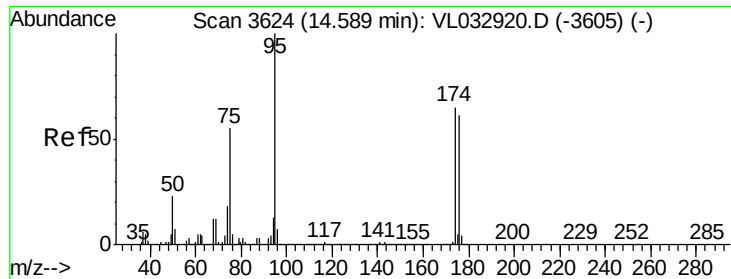
Ion Ratio Lower Upper

117 100

82 65.3 47.8 71.8

119 32.8 43.1 64.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.829 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032992.D

Acq: 13 Dec 2018 20:51

Instrument :

MSVOA_L

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P0068-SG001-181212-01DL

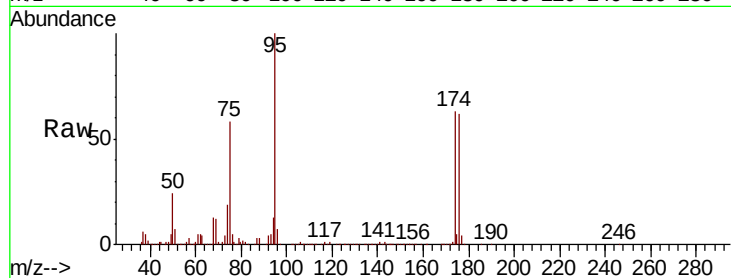
Tot Ion: 95 Resp: 2320471

Ion Ratio Lower Upper

95 100

174 63.9 51.4 77.0

175 4.7 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

