

Data File : VL032666.D
Acq On : 19 Oct 2018 3:04
Operator : SY/AP
Sample : J5578-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Quant Time: Oct 19 04:22:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1518865	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3743781	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3678378	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2721523	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

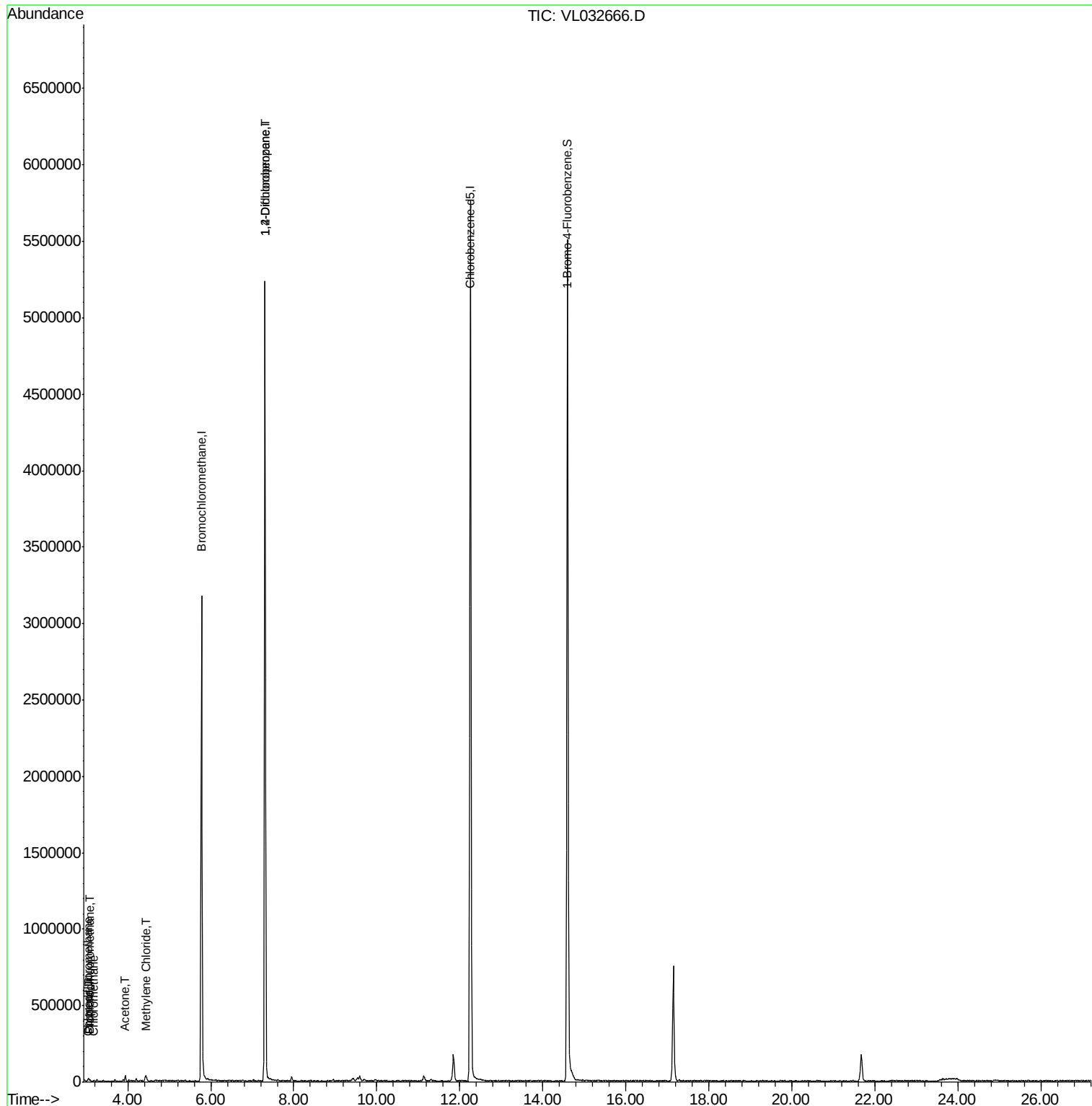
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	9672	0.063	ppbv #	88
3) Chlorodifluoromethane	3.02	51	5174	0.044	ppbv	100
4) Chloromethane	3.17	50	1675	0.025	ppbv #	58
9) Propene	3.06	41	2662	0.054	ppbv #	15
15) Acetone	3.94	43	33011	0.235	ppbv	98
20) Methylene Chloride	4.42	84	6772	0.095	ppbv #	78
39) 1,2-Dichloropropane	7.30	63	944252	8.043	ppbv #	24

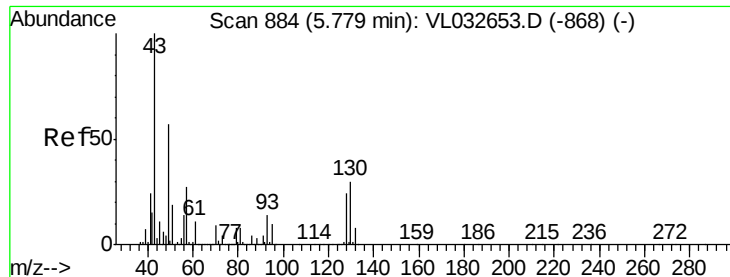
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

AA-1DL

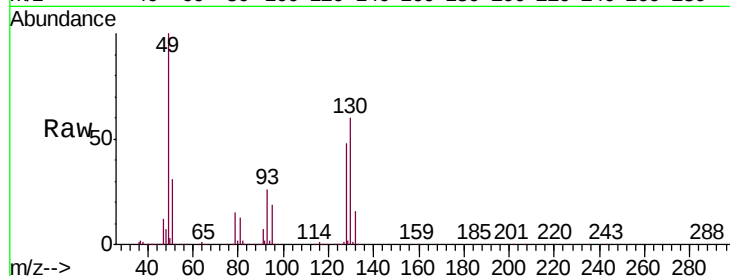
Tgt Ion: 49 Resp: 1518865

Ion Ratio Lower Upper

49 100

128 48.9 22.3 66.8

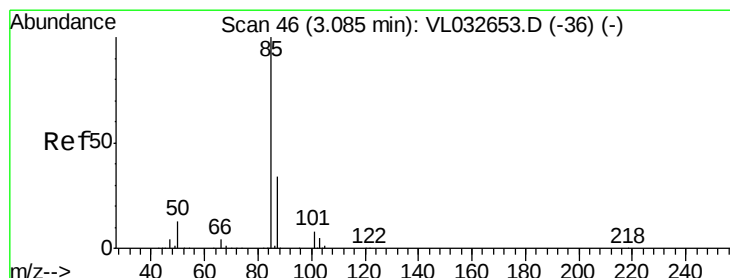
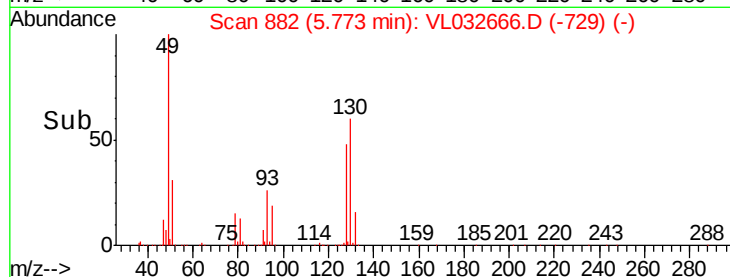
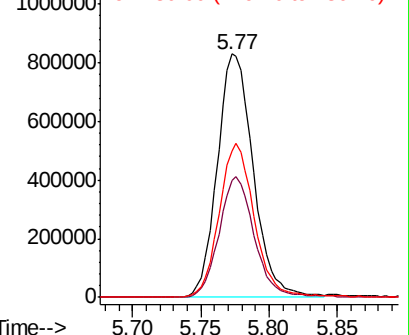
130 62.4 28.4 85.3



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



#2

Dichlorodifluoromethane

Concen: 0.063 ppbv

RT: 3.09 min Scan# 48

Delta R.T. 0.01 min

Lab File: VL032666.D

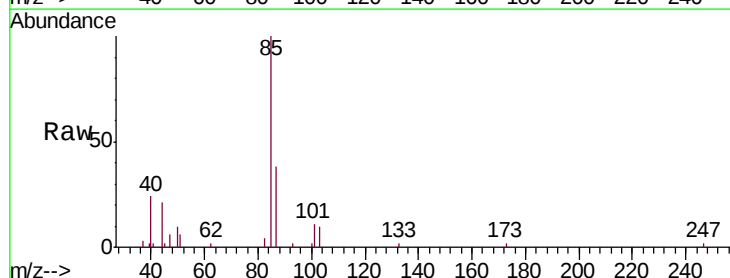
Acq: 19 Oct 2018 3:04

Tgt Ion: 85 Resp: 9672

Ion Ratio Lower Upper

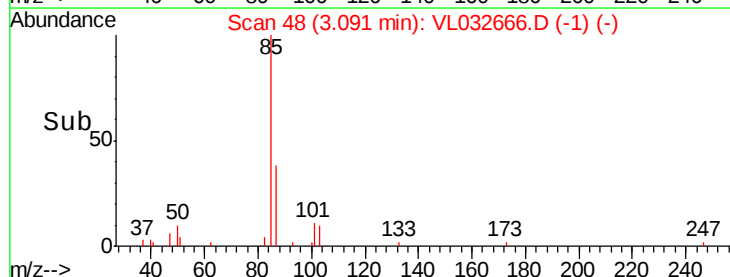
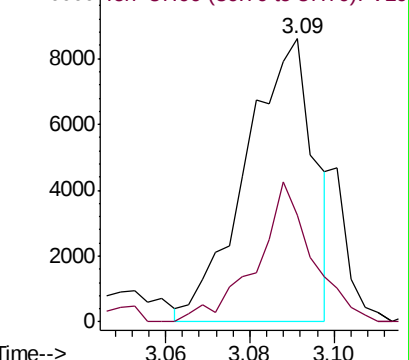
85 100

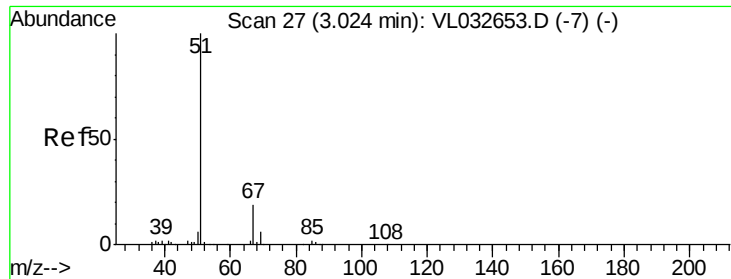
87 39.4 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032666.D

Acq: 19 Oct 2018 3:04

Instrument :

MSVOA_L

ClientSampleId :

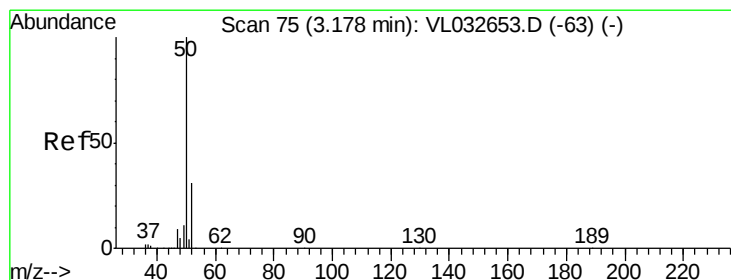
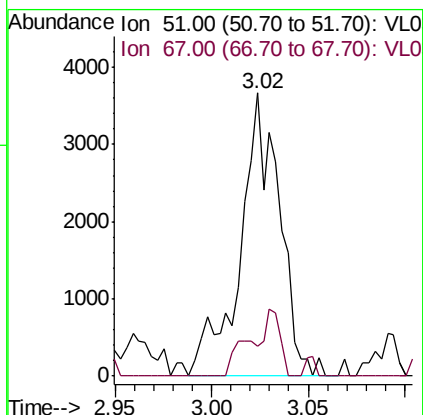
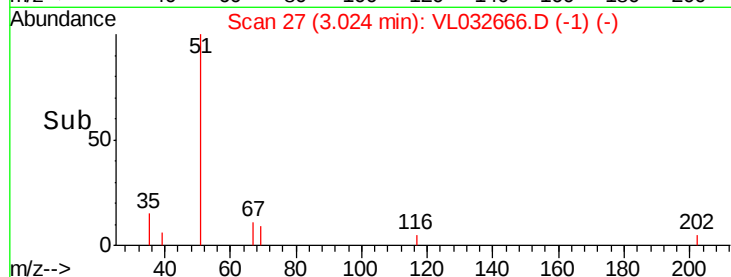
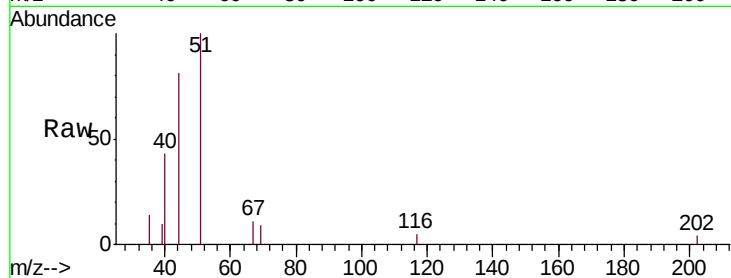
AA-1DL

Tgt Ion: 51 Resp: 5174

Ion Ratio Lower Upper

51 100

67 19.0 15.2 22.8



#4

Chloromethane

Concen: 0.025 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032666.D

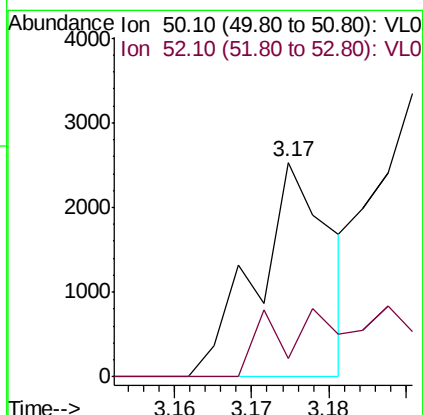
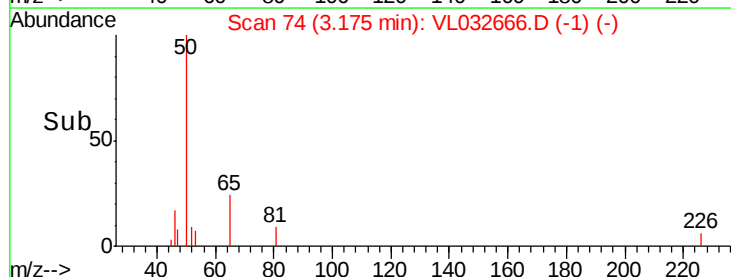
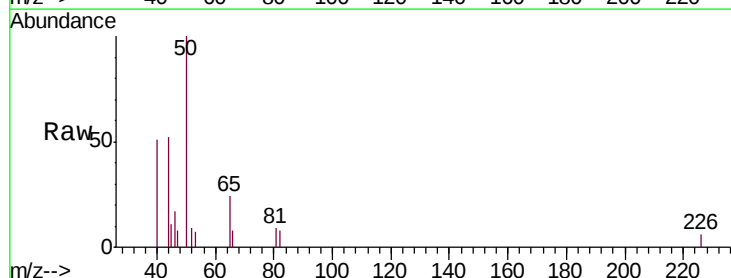
Acq: 19 Oct 2018 3:04

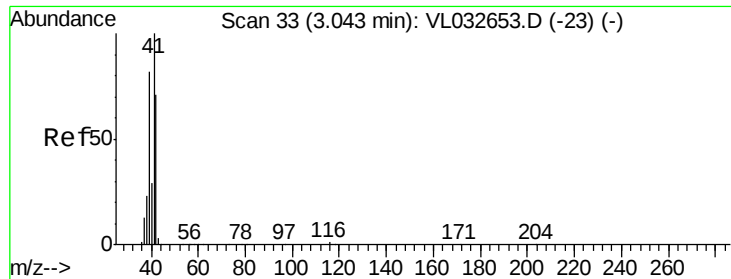
Tgt Ion: 50 Resp: 1675

Ion Ratio Lower Upper

50 100

52 8.6 25.9 38.9#





#9

Propene

Concen: 0.054 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032666.D

Acq: 19 Oct 2018 3:04

Instrument :

MSVOA_L

ClientSampleId :

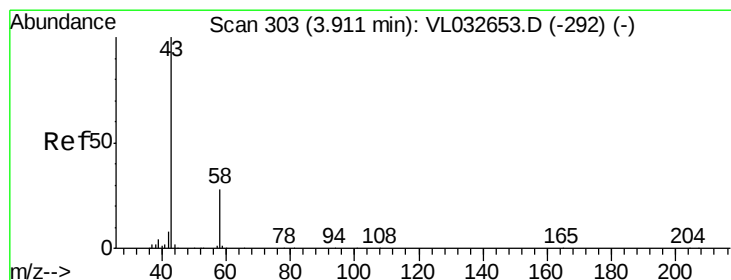
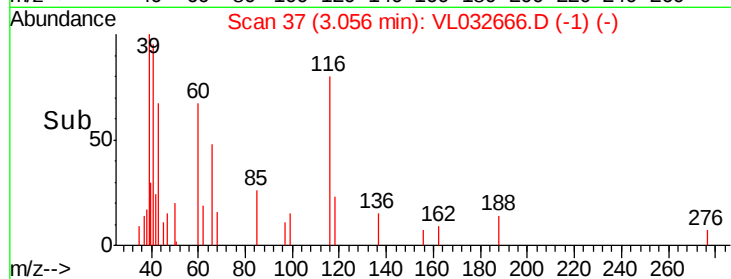
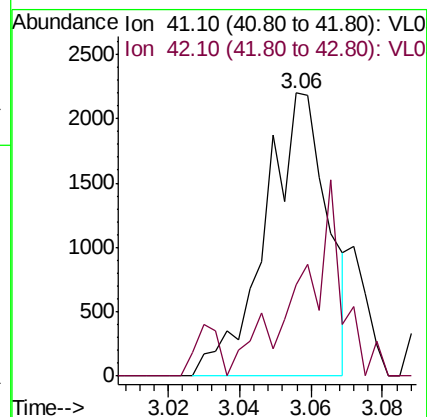
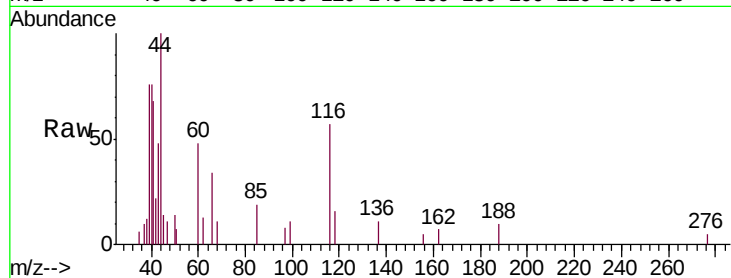
AA-1DL

Tgt Ion: 41 Resp: 2662

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.0#



#15

Acetone

Concen: 0.235 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.03 min

Lab File: VL032666.D

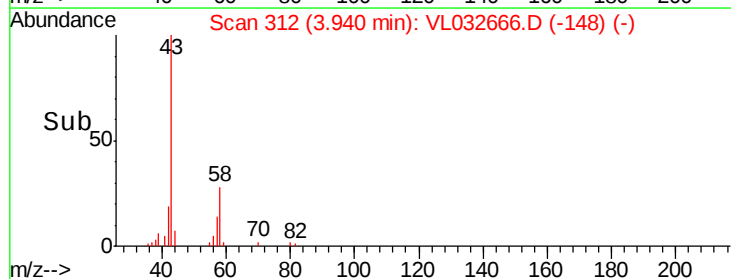
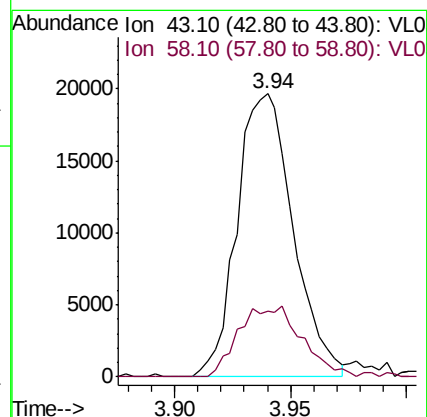
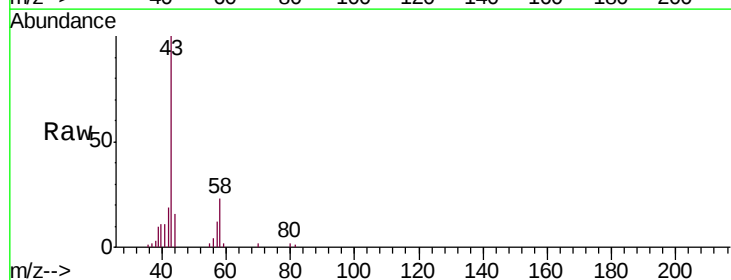
Acq: 19 Oct 2018 3:04

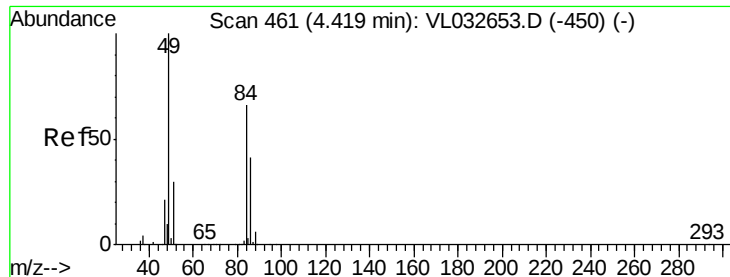
Tgt Ion: 43 Resp: 33011

Ion Ratio Lower Upper

43 100

58 28.7 22.1 33.1

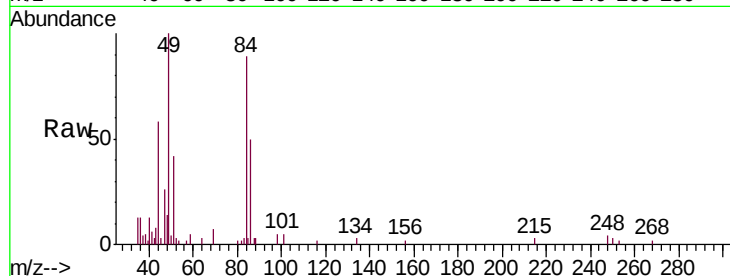




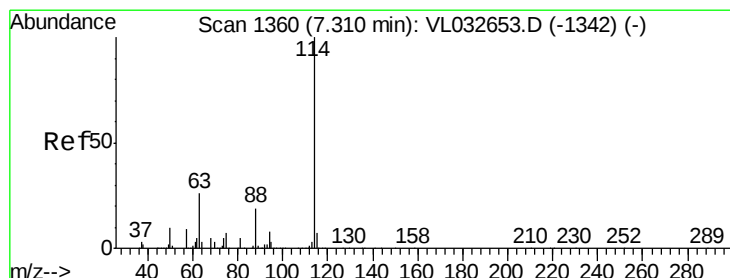
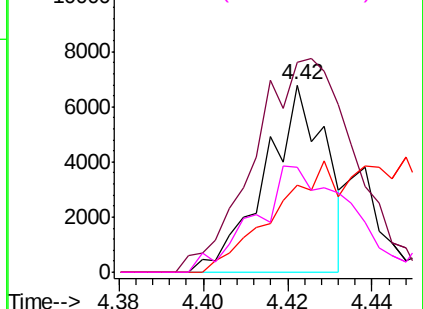
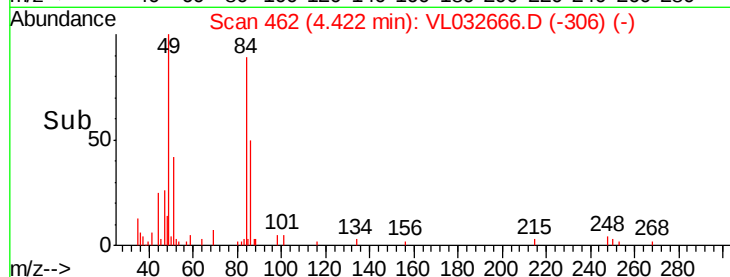
#20
Methylene Chloride
Concen: 0.095 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032666.D
Acq: 19 Oct 2018 3:04

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Tgt Ion: 84 Resp: 6772
Ion Ratio Lower Upper
84 100
49 99.3 113.5 170.3#
51 44.9 34.8 52.2
86 54.3 47.9 71.9

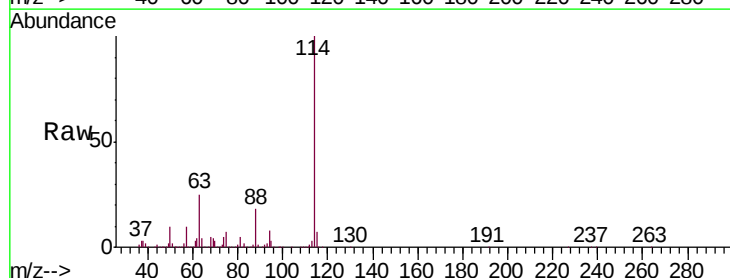


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

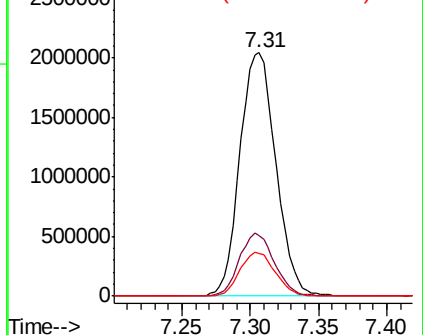
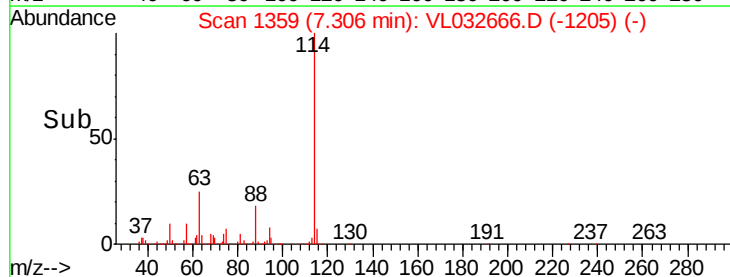


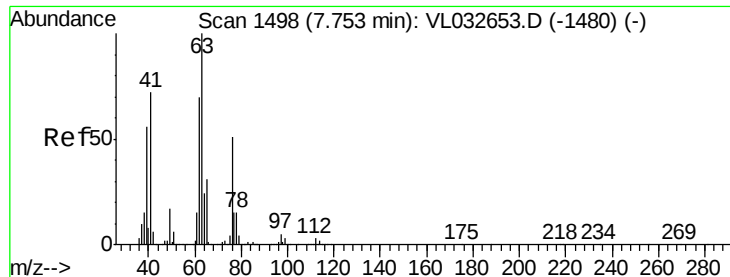
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032666.D
Acq: 19 Oct 2018 3:04

Tgt Ion: 114 Resp: 3743781
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 17.8 14.9 22.3



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





#39

1,2-Dichloropropane

Concen: 8.043 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032666.D

Acq: 19 Oct 2018 3:04

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

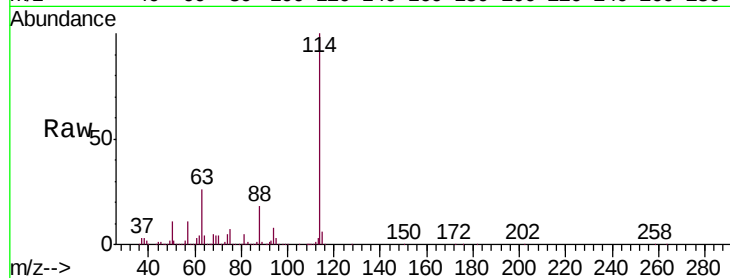
Tgt Ion: 63 Resp: 944252

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

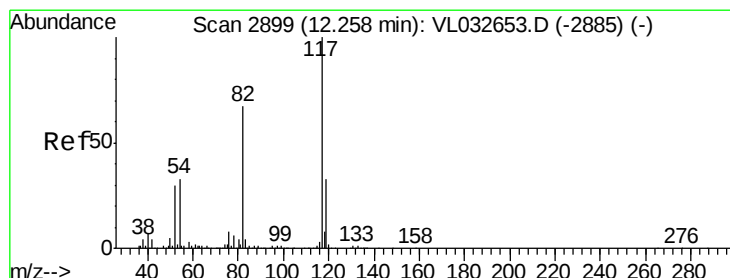
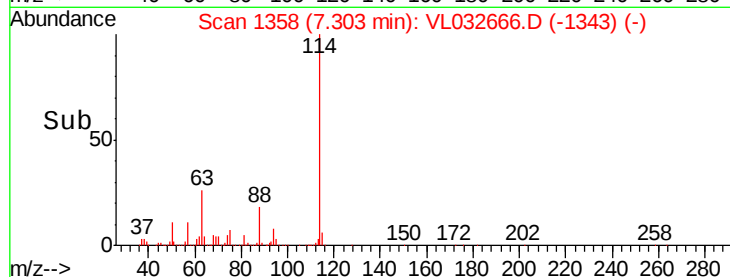
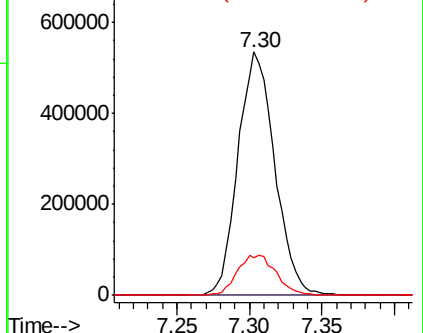
62 15.3 54.4 81.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032666.D

Acq: 19 Oct 2018 3:04

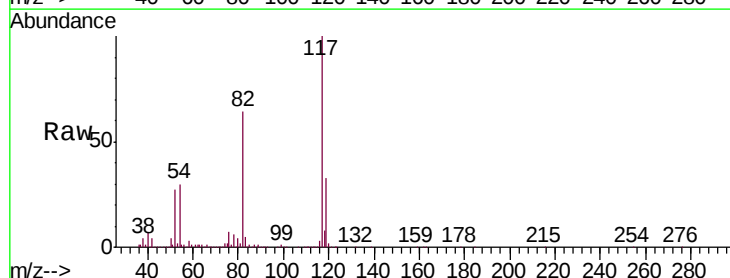
Tgt Ion: 117 Resp: 3678378

Ion Ratio Lower Upper

117 100

82 64.5 52.7 79.1

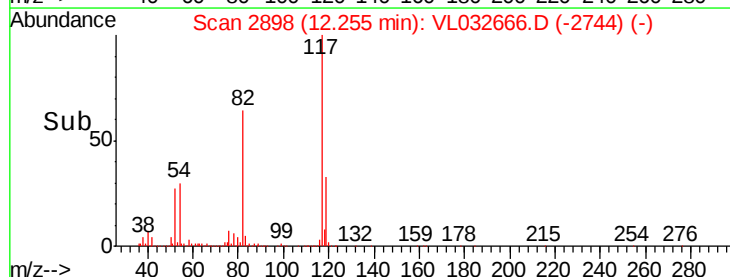
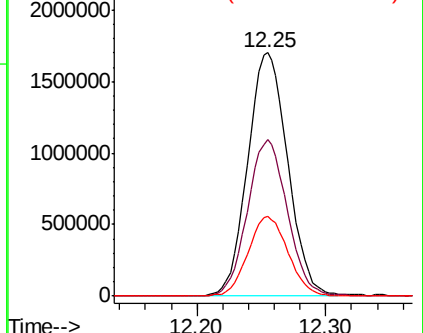
119 32.9 26.7 40.1

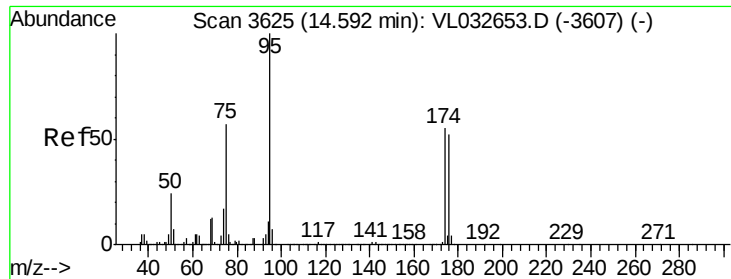


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.937 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032666.D

Acq: 19 Oct 2018 3:04

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tgt Ion: 95 Resp: 2721523

Ion Ratio Lower Upper

95 100

174 64.1 46.0 69.0

175 4.6 3.4 5.0

