

Data File : VL034846.D
Acq On : 9 Mar 2020 15:28
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Mar 09 16:13:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	934937	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2119220	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2088998	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1663463	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

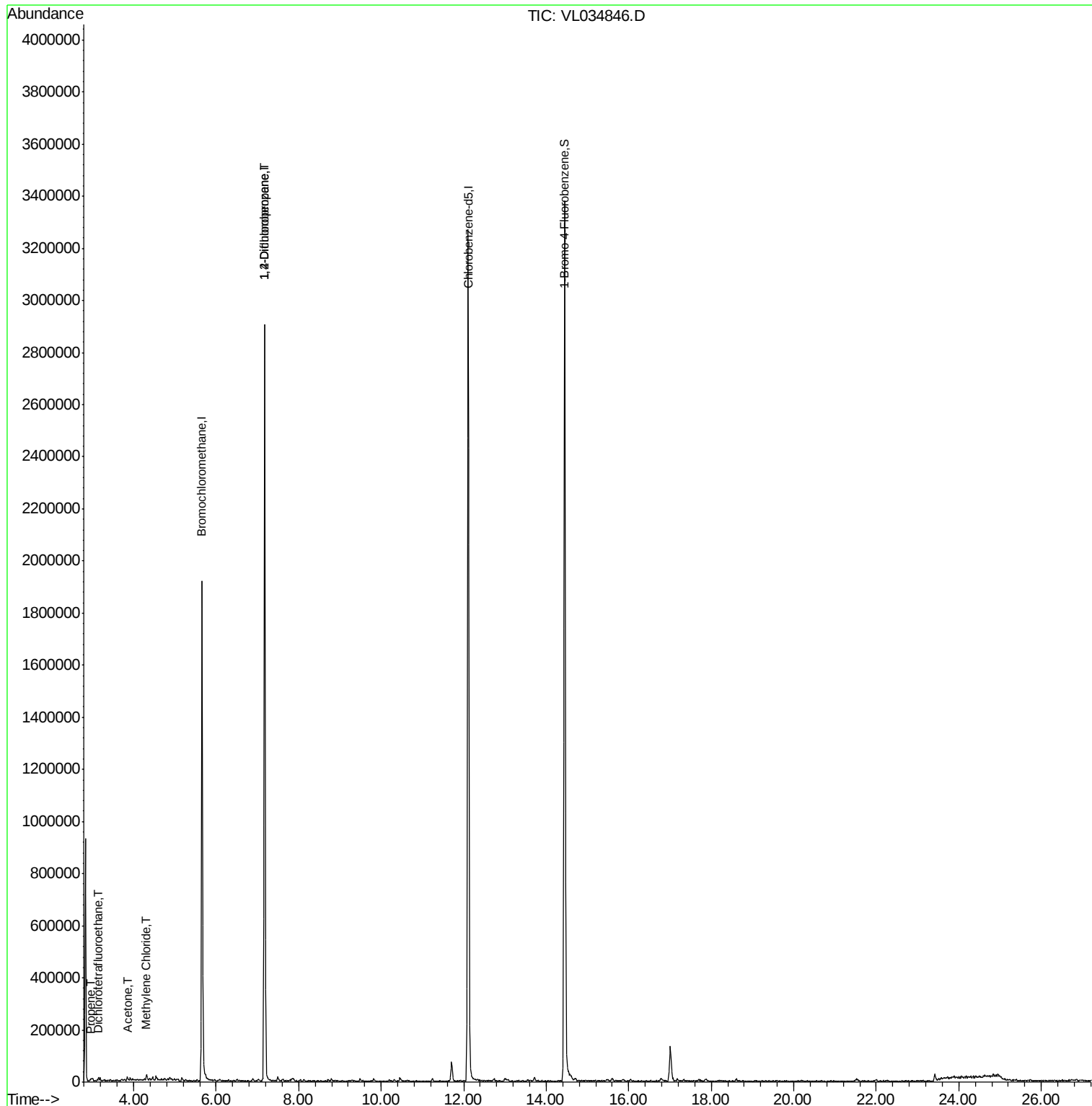
Target Compounds					Qvalue
8) Dichlorotetrafluoroethane	3.15	85	4065	0.031 ppbv	92
9) Propene	2.97	41	1305	0.031 ppbv #	1
15) Acetone	3.84	43	12694	0.113 ppbv #	72
20) Methylene Chloride	4.31	84	1553	0.039 ppbv #	86
39) 1,2-Dichloropropane	7.18	63	549380	7.517 ppbv #	22

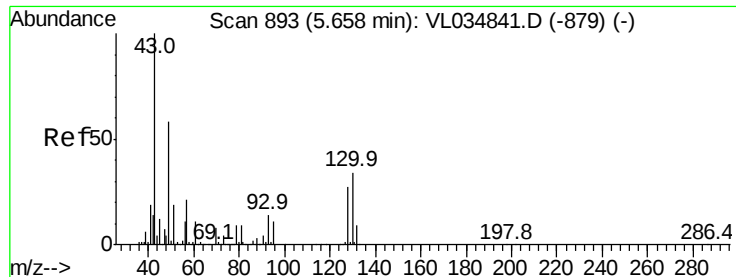
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

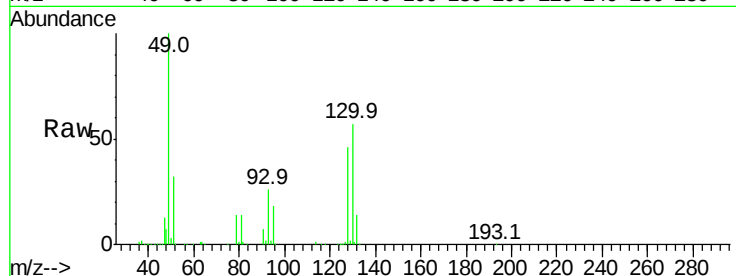
Tgt Ion: 49 Resp: 934937

Ion Ratio Lower Upper

49 100

128 46.4 23.4 70.3

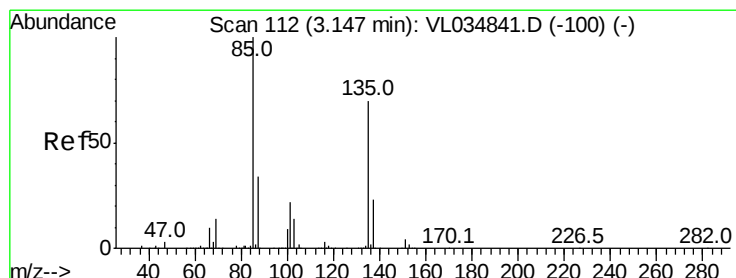
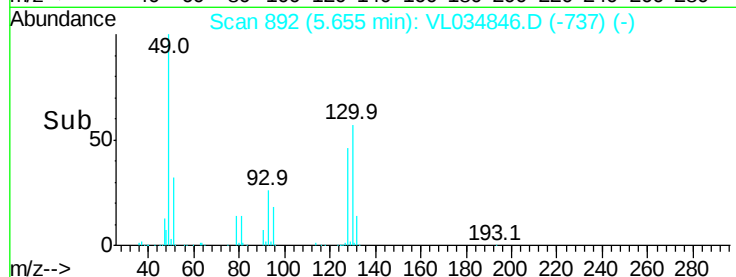
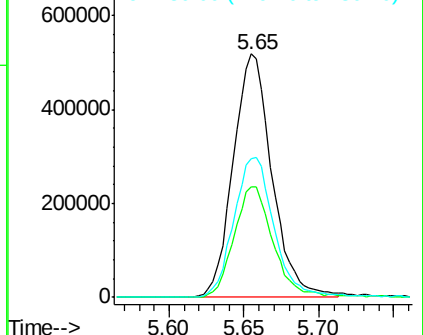
130 60.2 30.0 90.0



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



#8

Dichlorotetrafluoroethane

Concen: 0.031 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034846.D

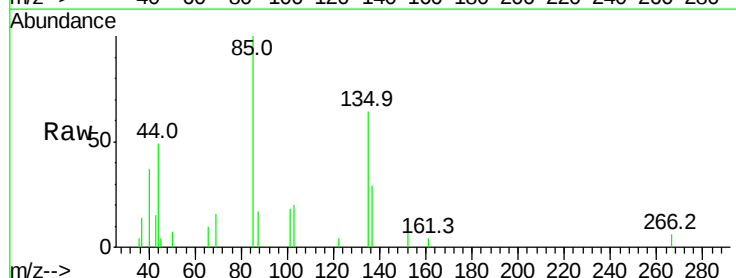
Acq: 9 Mar 2020 15:28

Tgt Ion: 85 Resp: 4065

Ion Ratio Lower Upper

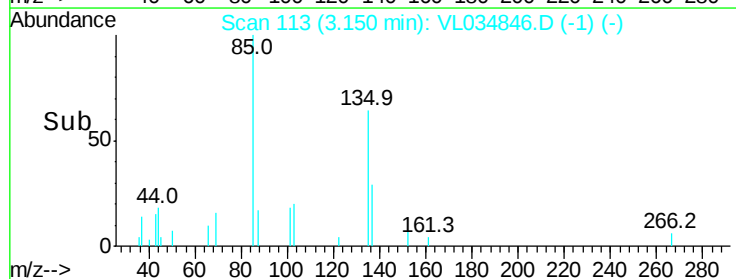
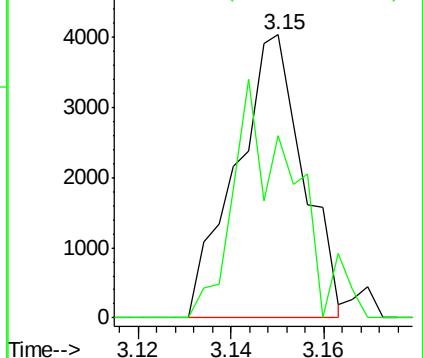
85 100

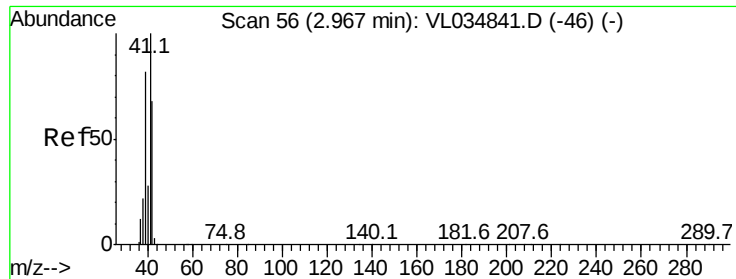
135 74.4 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.031 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

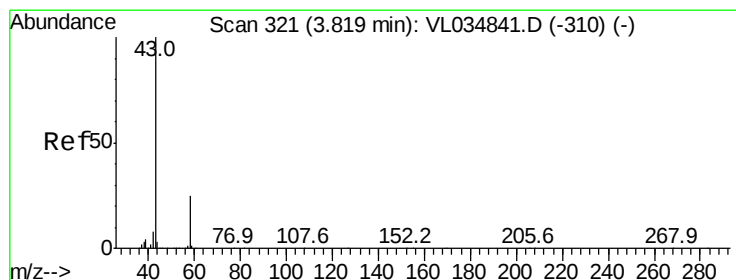
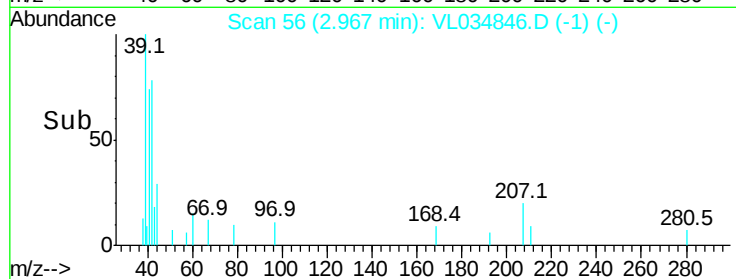
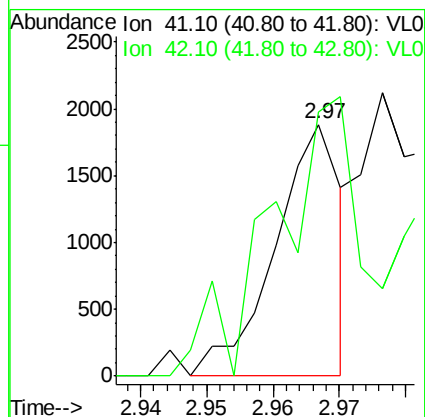
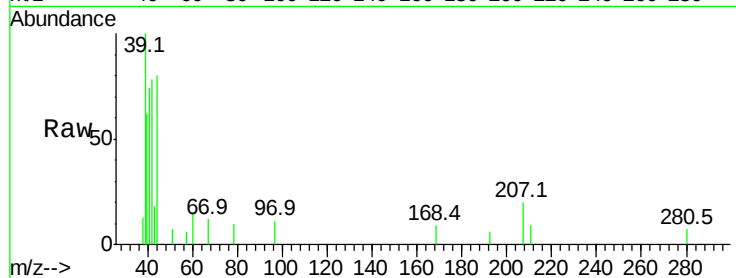
VSTDIC0.03

Tgt Ion: 41 Resp: 1305

Ion Ratio Lower Upper

41 100

42 198.2 55.2 82.8#



#15

Acetone

Concen: 0.113 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

Lab File: VL034846.D

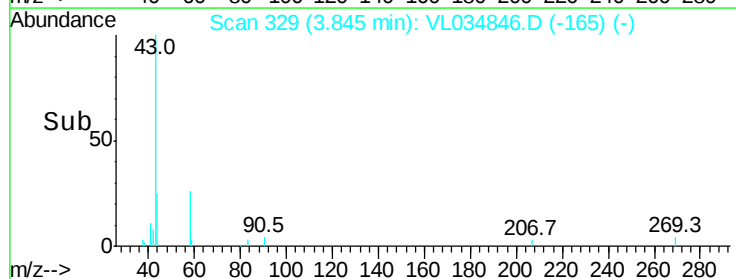
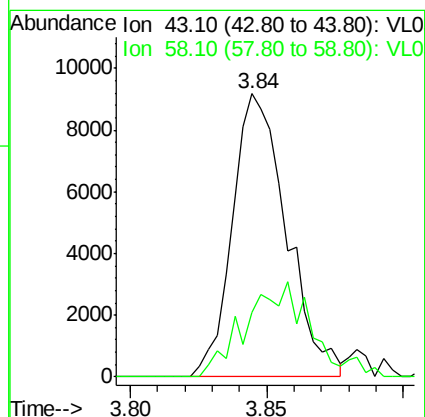
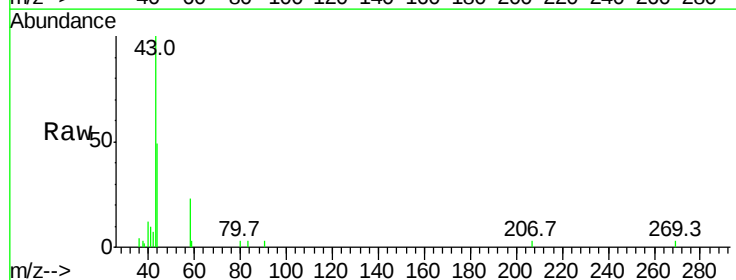
Acq: 9 Mar 2020 15:28

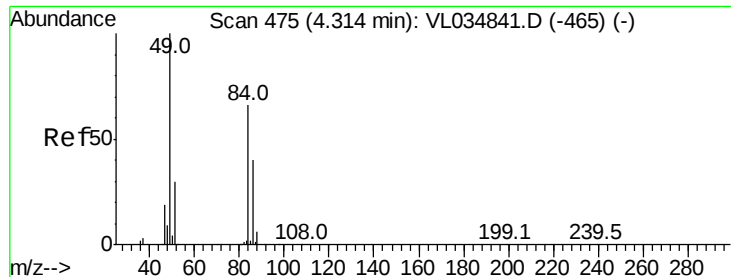
Tgt Ion: 43 Resp: 12694

Ion Ratio Lower Upper

43 100

58 40.6 21.0 31.6#





#20

Methylene Chloride

Concen: 0.039 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 84 Resp: 1553

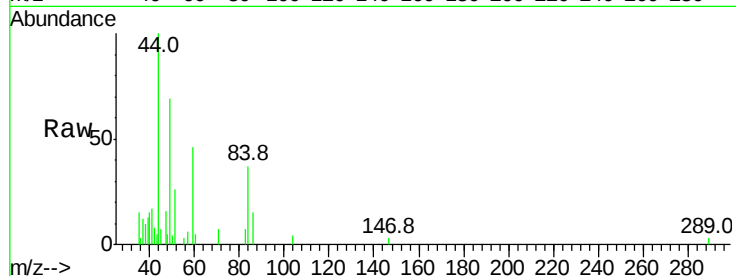
Ion Ratio Lower Upper

84 100

49 162.3 121.5 182.3

51 54.7 36.6 55.0

86 39.1 48.2 72.2#



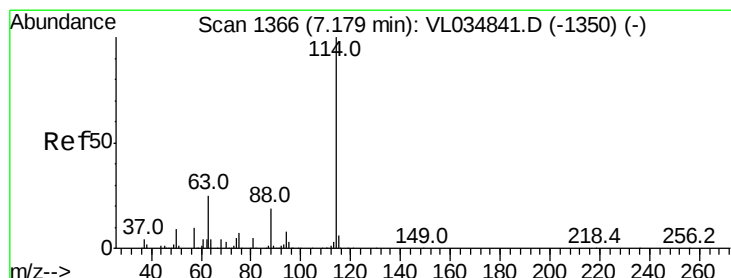
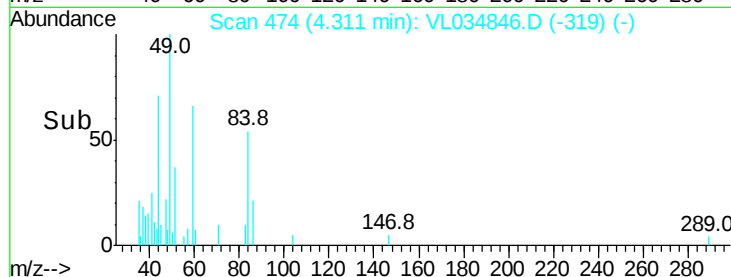
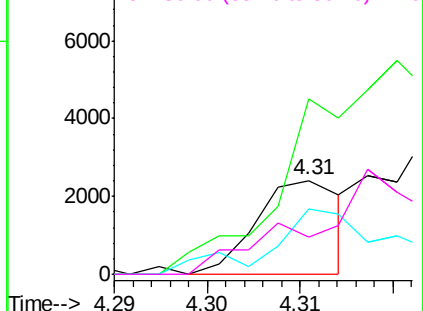
Abundance

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

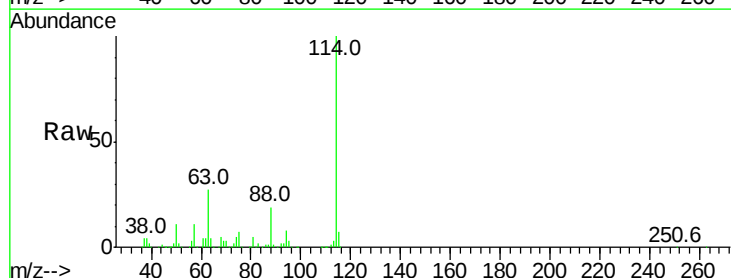
Tgt Ion: 114 Resp: 2119220

Ion Ratio Lower Upper

114 100

63 26.1 20.6 31.0

88 18.5 15.0 22.6

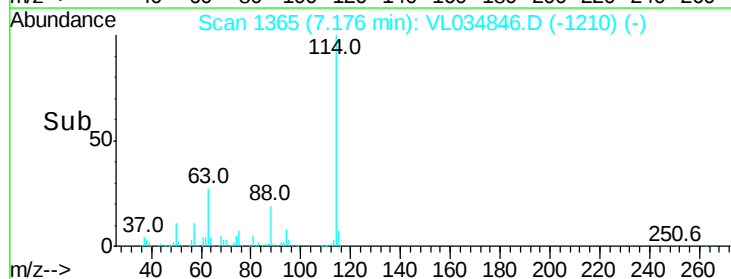
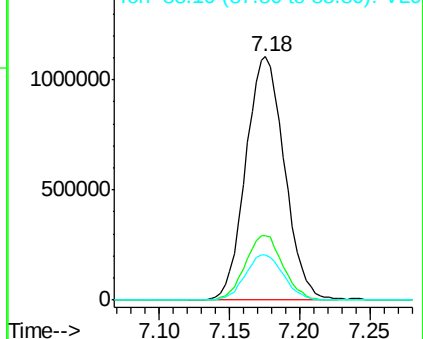


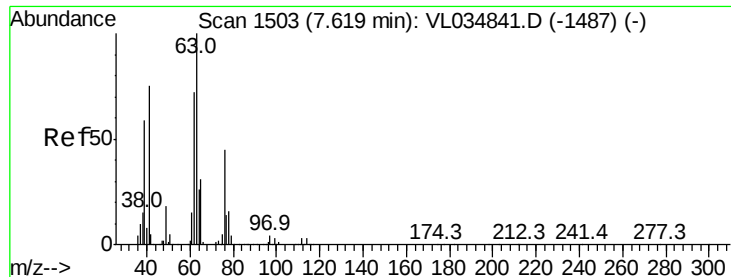
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.517 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

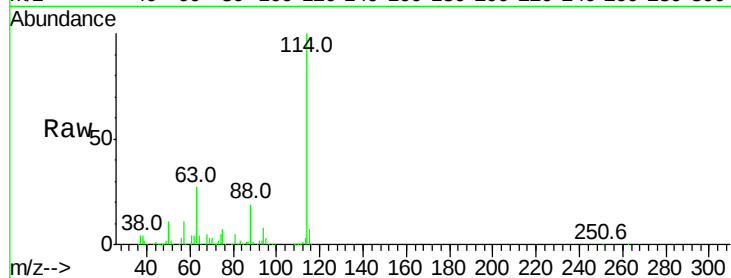
Tgt Ion: 63 Resp: 549380

Ion Ratio Lower Upper

63 100

41 0.0 59.8 89.8#

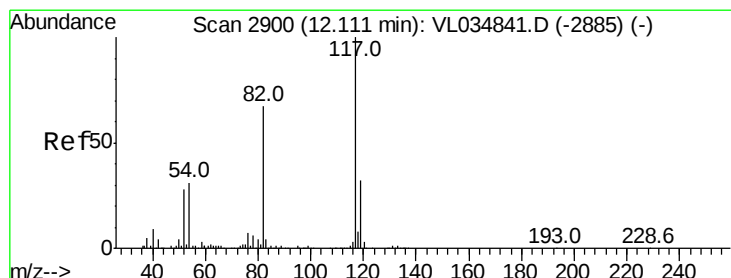
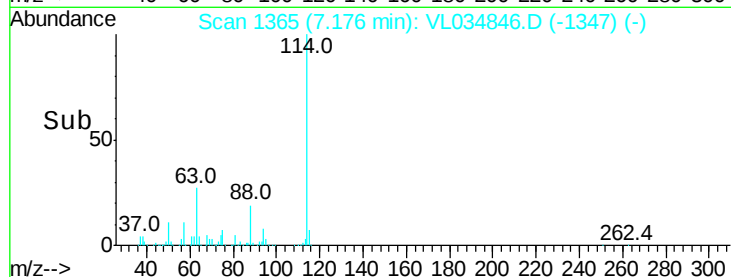
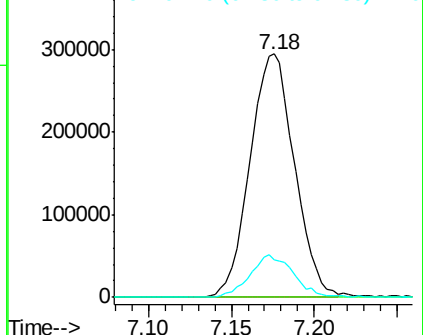
62 15.6 57.6 86.4#



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: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

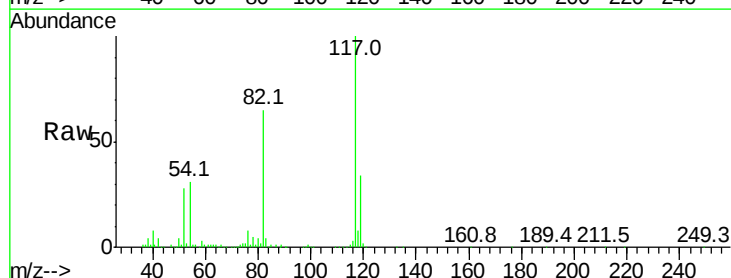
Tgt Ion: 117 Resp: 2088998

Ion Ratio Lower Upper

117 100

82 67.0 51.1 76.7

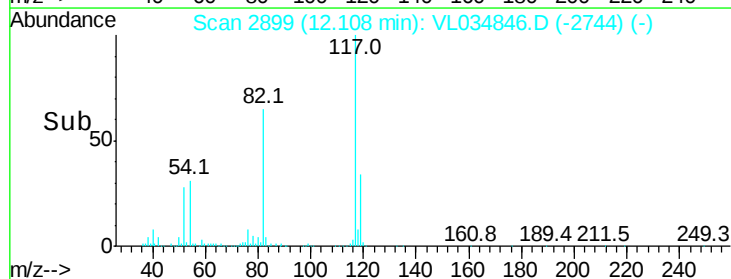
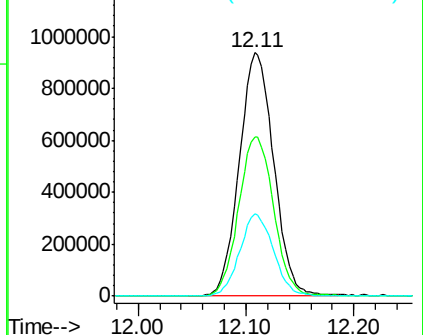
119 33.4 27.3 40.9

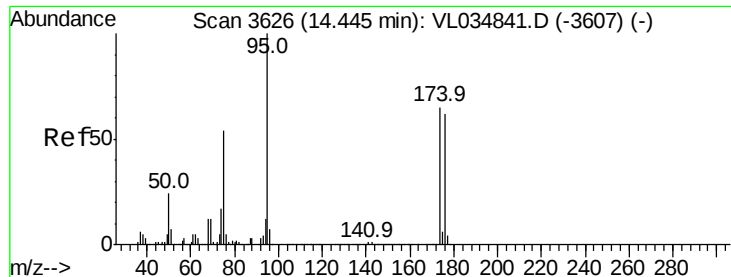


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.550 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

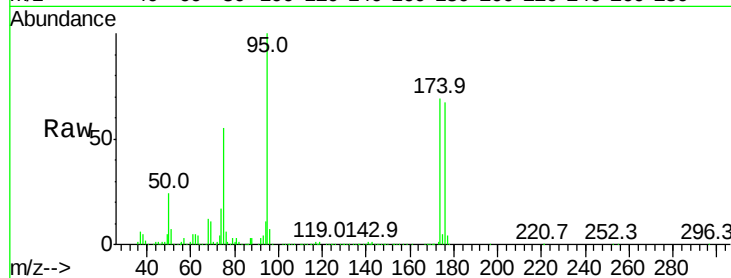
Tgt Ion: 95 Resp: 1663463

Ion Ratio Lower Upper

95 100

174 69.5 55.2 82.8

175 5.4 4.3 6.5



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

