

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034283.D
 Acq On : 14 Oct 2019 15:57
 Operator : SY/AP
 Sample : K5353-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Oct 15 02:49:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1025347	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1712285	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1699146	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1498996	10.15	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

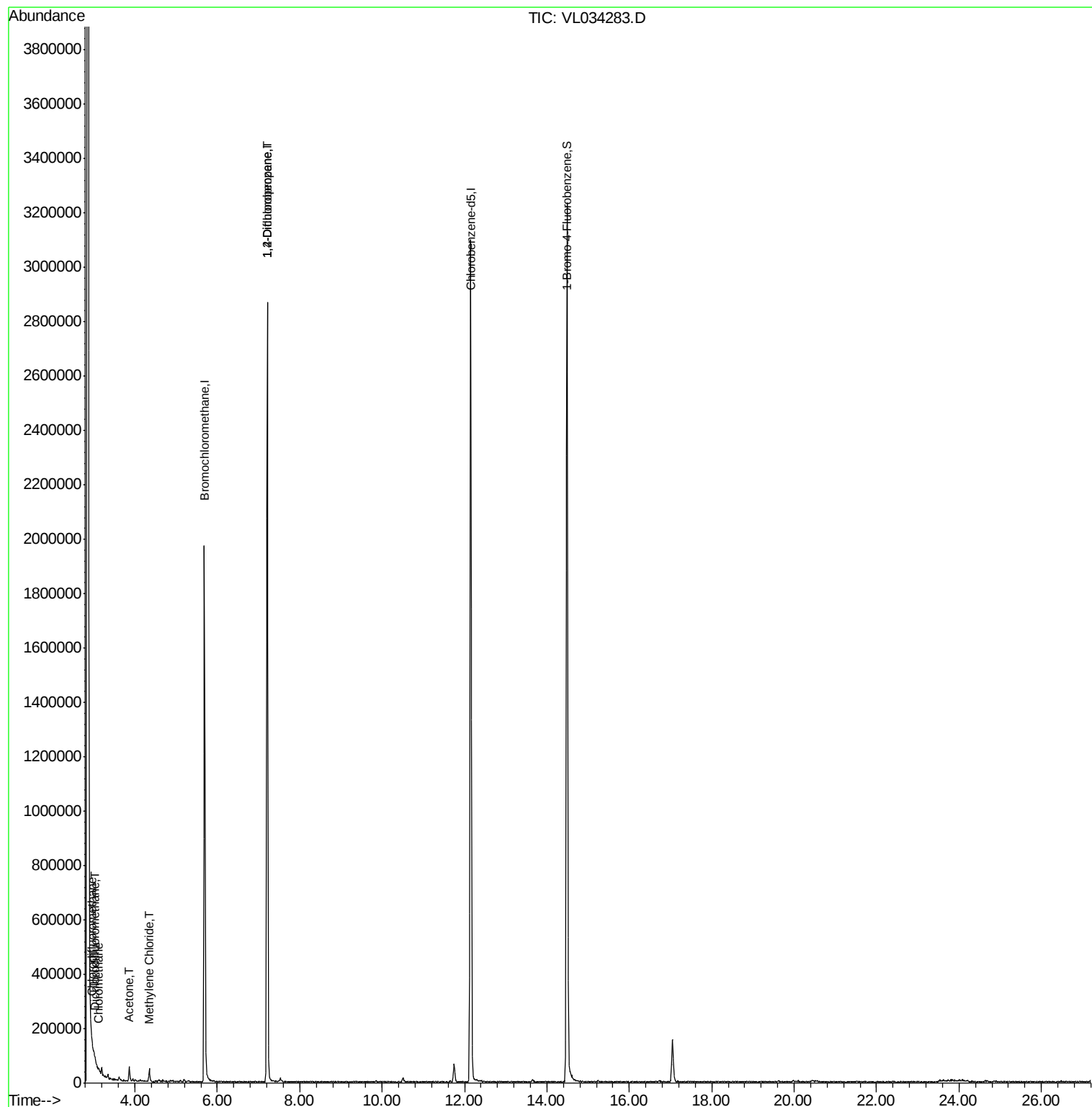
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	9558	0.063	ppbv #	85
3) Chlorodifluoromethane	2.97	51	3962	0.033	ppbv #	82
4) Chloromethane	3.13	50	3026	0.043	ppbv #	49
15) Acetone	3.86	43	48402	0.352	ppbv	93
20) Methylene Chloride	4.35	84	9492	0.240	ppbv #	89
39) 1,2-Dichloropropane	7.21	63	562134	6.616	ppbv #	19

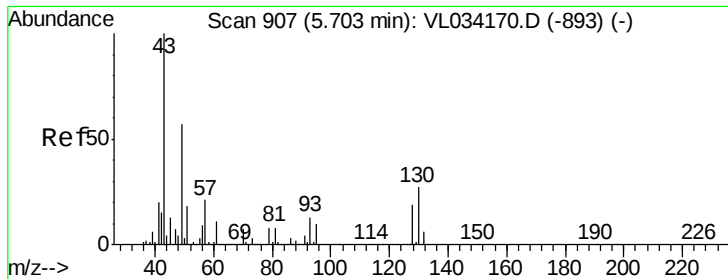
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034283.D

Acq: 14 Oct 2019 15:57

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

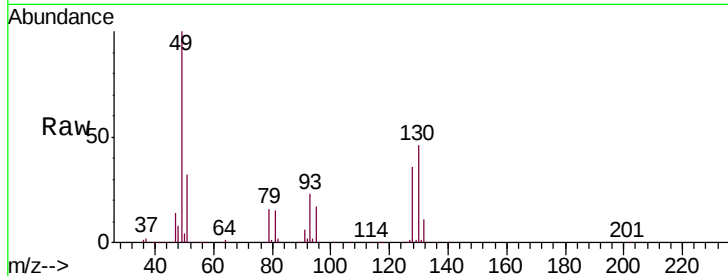
Tgt Ion: 49 Resp: 1025347

Ion Ratio Lower Upper

49 100

128 35.8 17.6 52.9

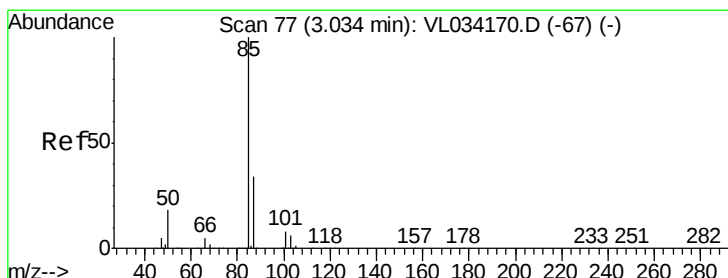
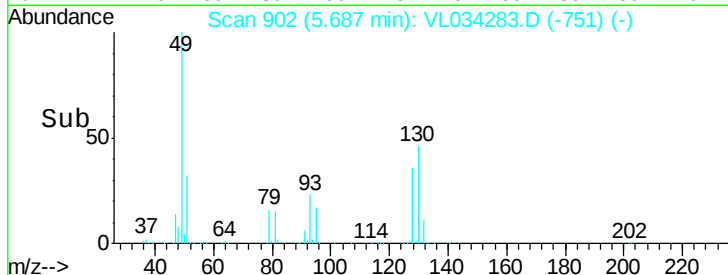
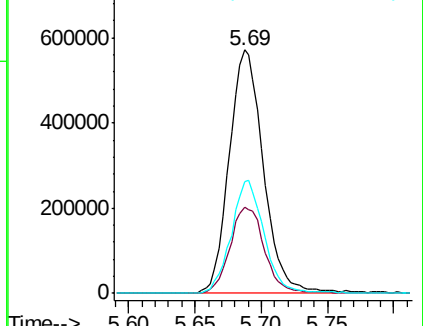
130 45.0 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.063 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034283.D

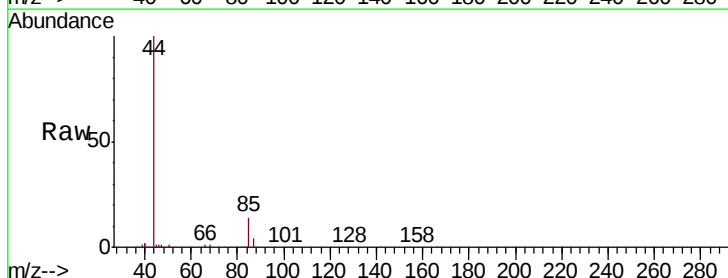
Acq: 14 Oct 2019 15:57

Tgt Ion: 85 Resp: 9558

Ion Ratio Lower Upper

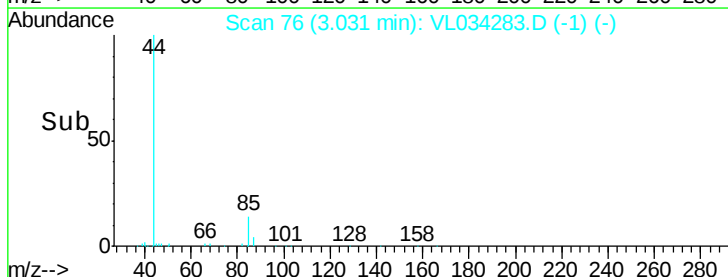
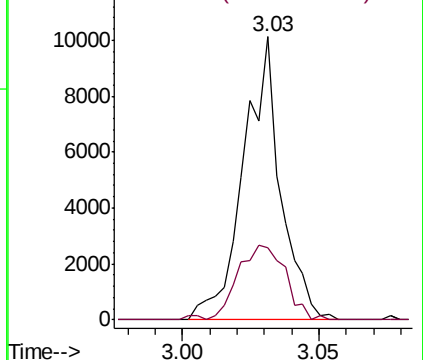
85 100

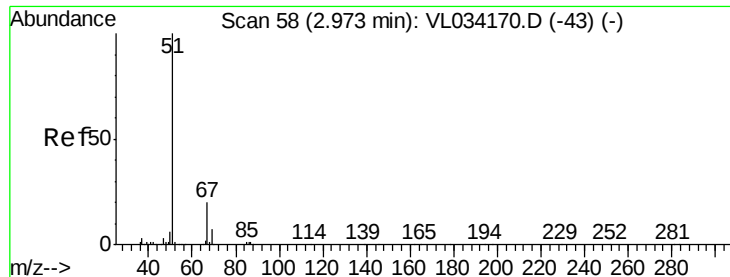
87 25.5 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.033 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034283.D

Acq: 14 Oct 2019 15:57

Instrument :

MSVOA_L

ClientSampleId :

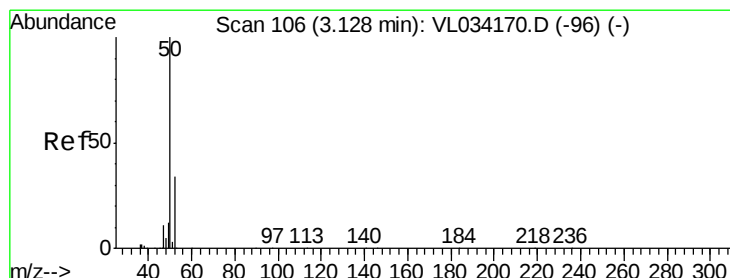
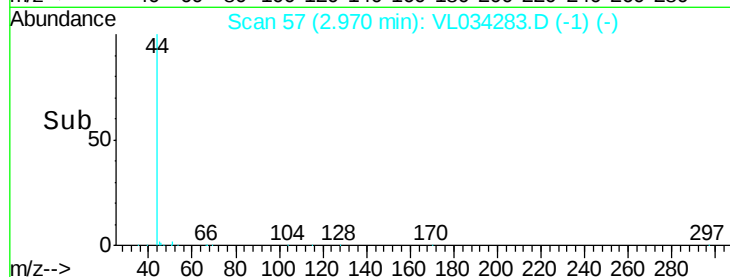
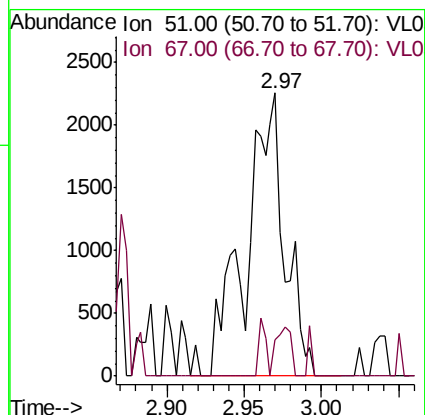
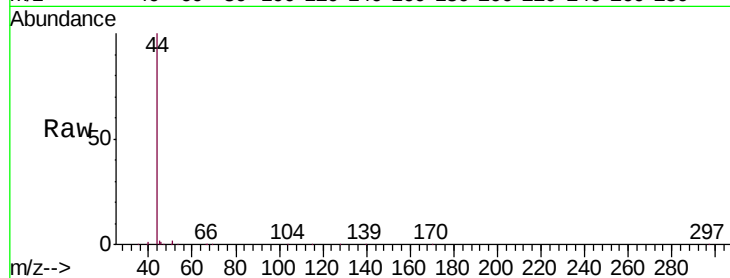
AA-1DL

Tgt Ion: 51 Resp: 3962

Ion Ratio Lower Upper

51 100

67 10.3 14.8 22.2#



#4

Chloromethane

Concen: 0.043 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL034283.D

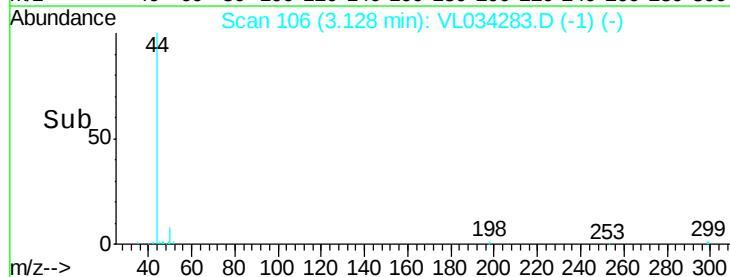
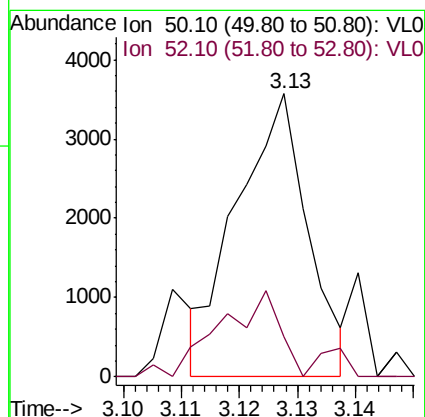
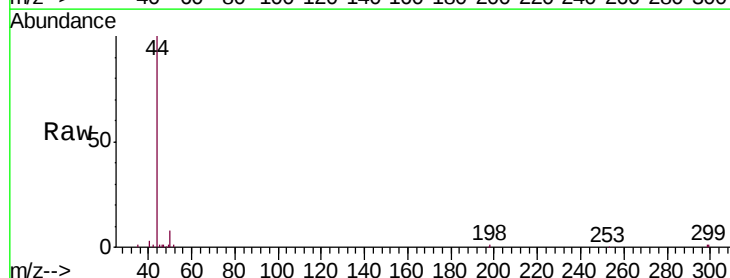
Acq: 14 Oct 2019 15:57

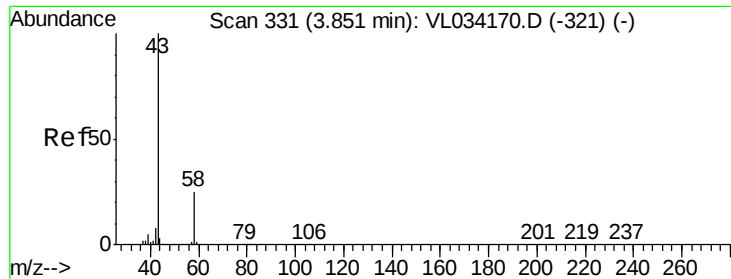
Tgt Ion: 50 Resp: 3026

Ion Ratio Lower Upper

50 100

52 4.6 27.1 40.7#





#15

Acetone

Concen: 0.352 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL034283.D

Acq: 14 Oct 2019 15:57

Instrument :

MSVOA_L

ClientSampleId :

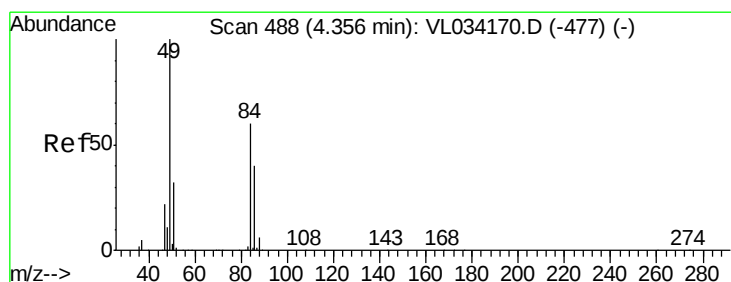
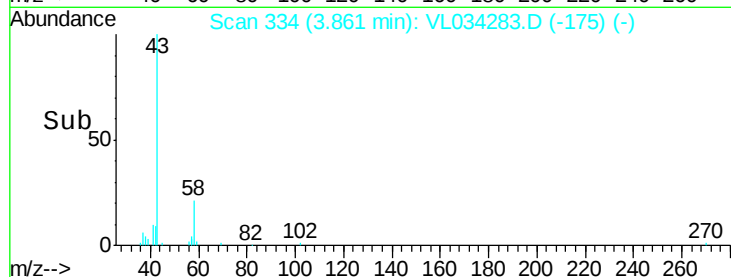
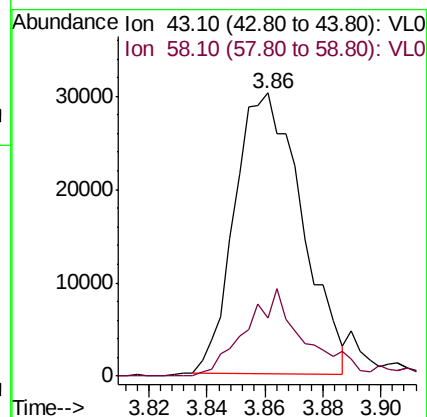
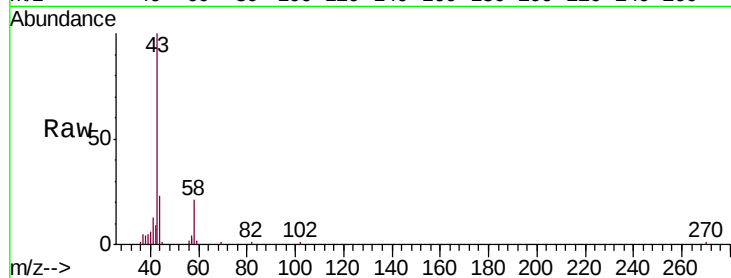
AA-1DL

Tgt Ion: 43 Resp: 48402

Ion Ratio Lower Upper

43 100

58 29.0 20.5 30.7



#20

Methylene Chloride

Concen: 0.240 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL034283.D

Acq: 14 Oct 2019 15:57

Tgt Ion: 84 Resp: 9492

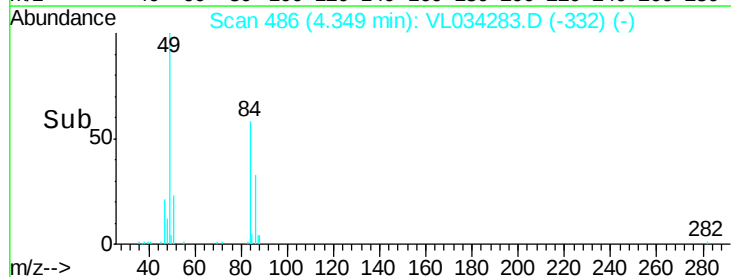
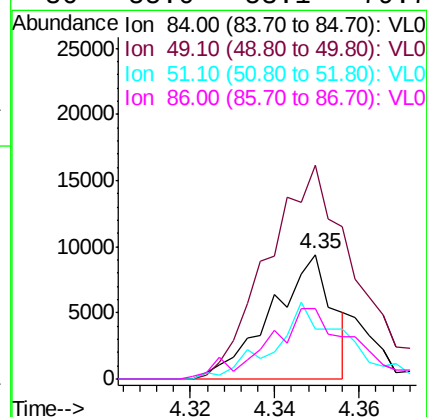
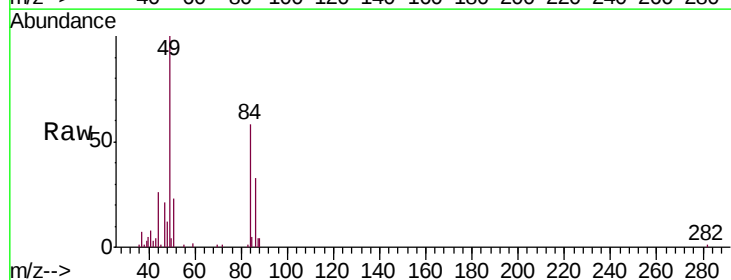
Ion Ratio Lower Upper

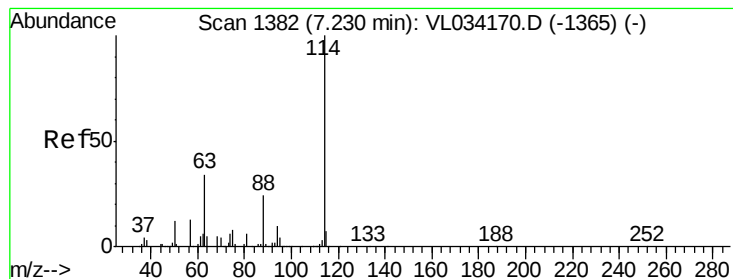
84 100

49 177.3 133.8 200.8

51 40.1 43.6 65.4#

86 55.0 53.1 79.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.02 min

Lab File: VL034283.D

Acq: 14 Oct 2019 15:57

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

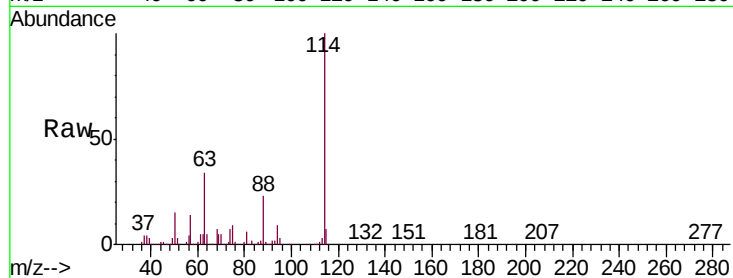
Tgt Ion:114 Resp: 1712285

Ion Ratio Lower Upper

114 100

63 33.0 27.8 41.6

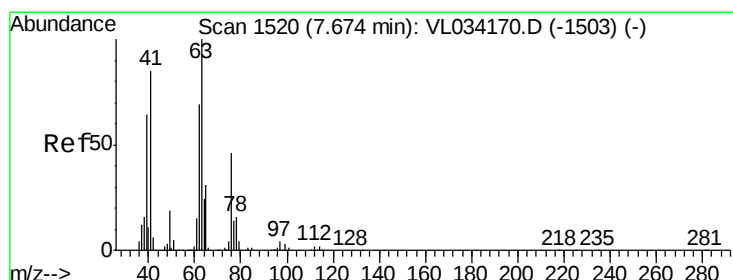
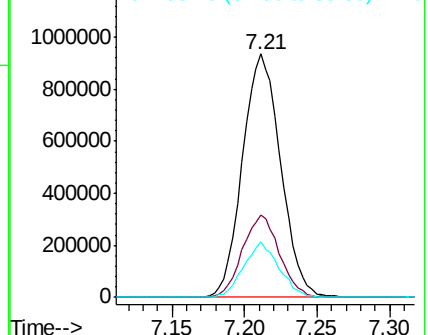
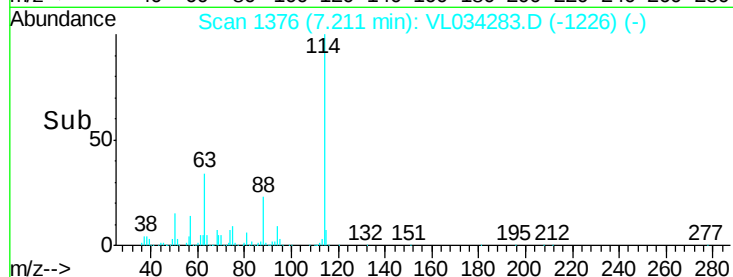
88 21.1 17.1 25.7



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: 6.616 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.46 min

Lab File: VL034283.D

Acq: 14 Oct 2019 15:57

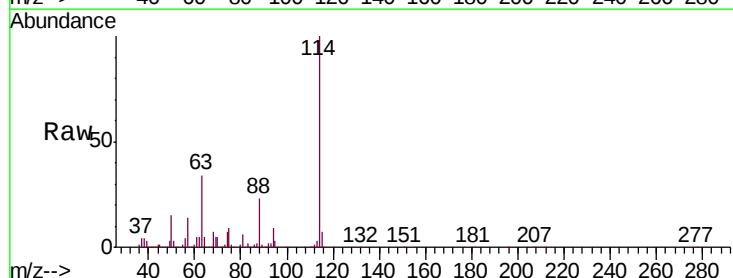
Tgt Ion: 63 Resp: 562134

Ion Ratio Lower Upper

63 100

41 0.1 68.4 102.6#

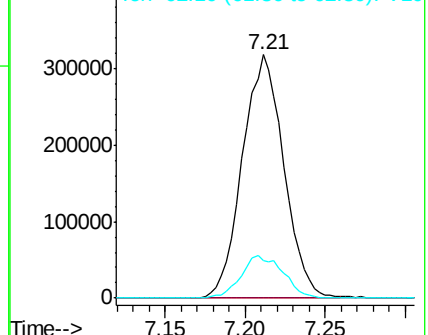
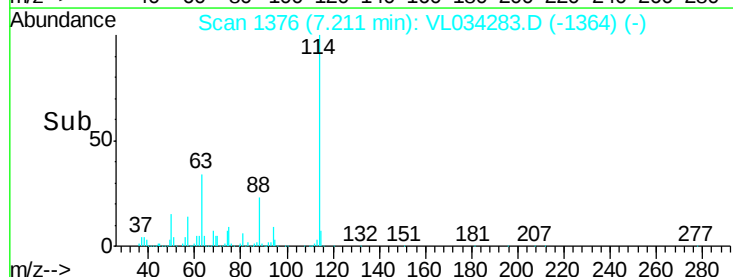
62 15.5 55.4 83.2#

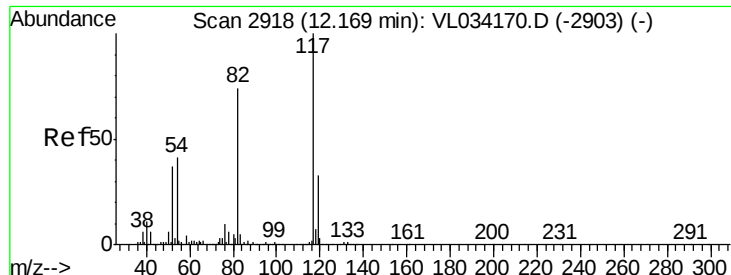


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

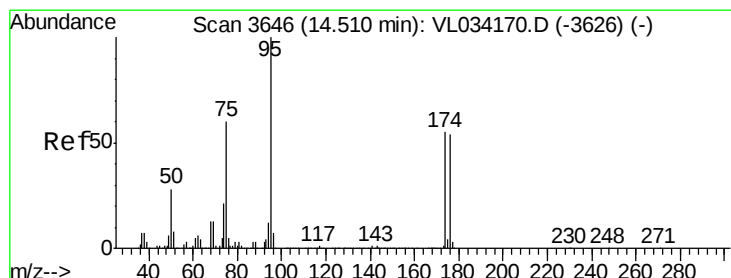
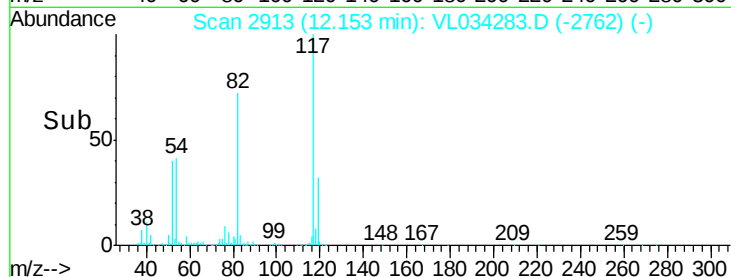
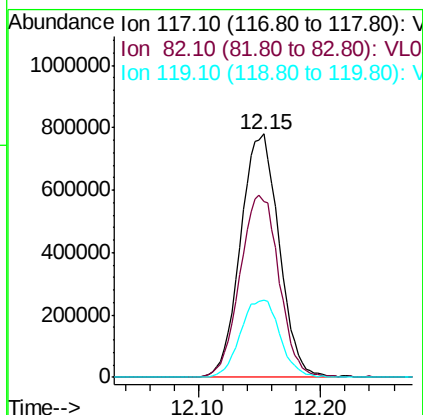
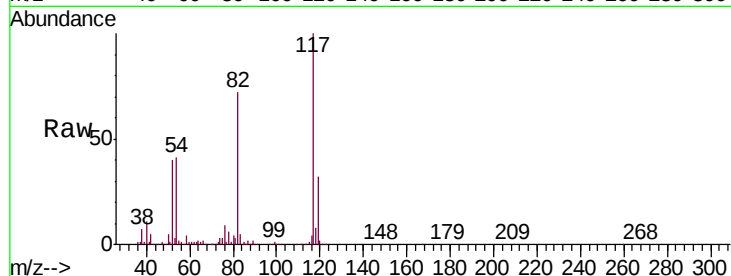




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034283.D
Acq: 14 Oct 2019 15:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Tgt Ion:117 Resp: 1699146
Ion Ratio Lower Upper
117 100
82 76.0 58.2 87.4
119 32.7 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.153 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034283.D
Acq: 14 Oct 2019 15:57

Tgt Ion: 95 Resp: 1498996
Ion Ratio Lower Upper
95 100
174 55.0 45.1 67.7
175 4.0 3.3 4.9

