

Data File : VL033439.D
Acq On : 25 Mar 2019 13:41
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 25 14:50:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	774028	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1779753	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1741135	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1384787	10.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	3332	0.038	ppbv #	91
6) Bromomethane	3.53	94	1152	0.039	ppbv #	43
8) Dichlorotetrafluoroethane	3.22	85	4237	0.037	ppbv	86
9) Propene	3.04	41	1204	0.030	ppbv #	70
15) Acetone	3.93	43	5152	0.043	ppbv	92
20) Methylene Chloride	4.40	84	1870	0.048	ppbv #	79
39) 1,2-Dichloropropane	7.29	63	481348	8.070	ppbv #	24

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

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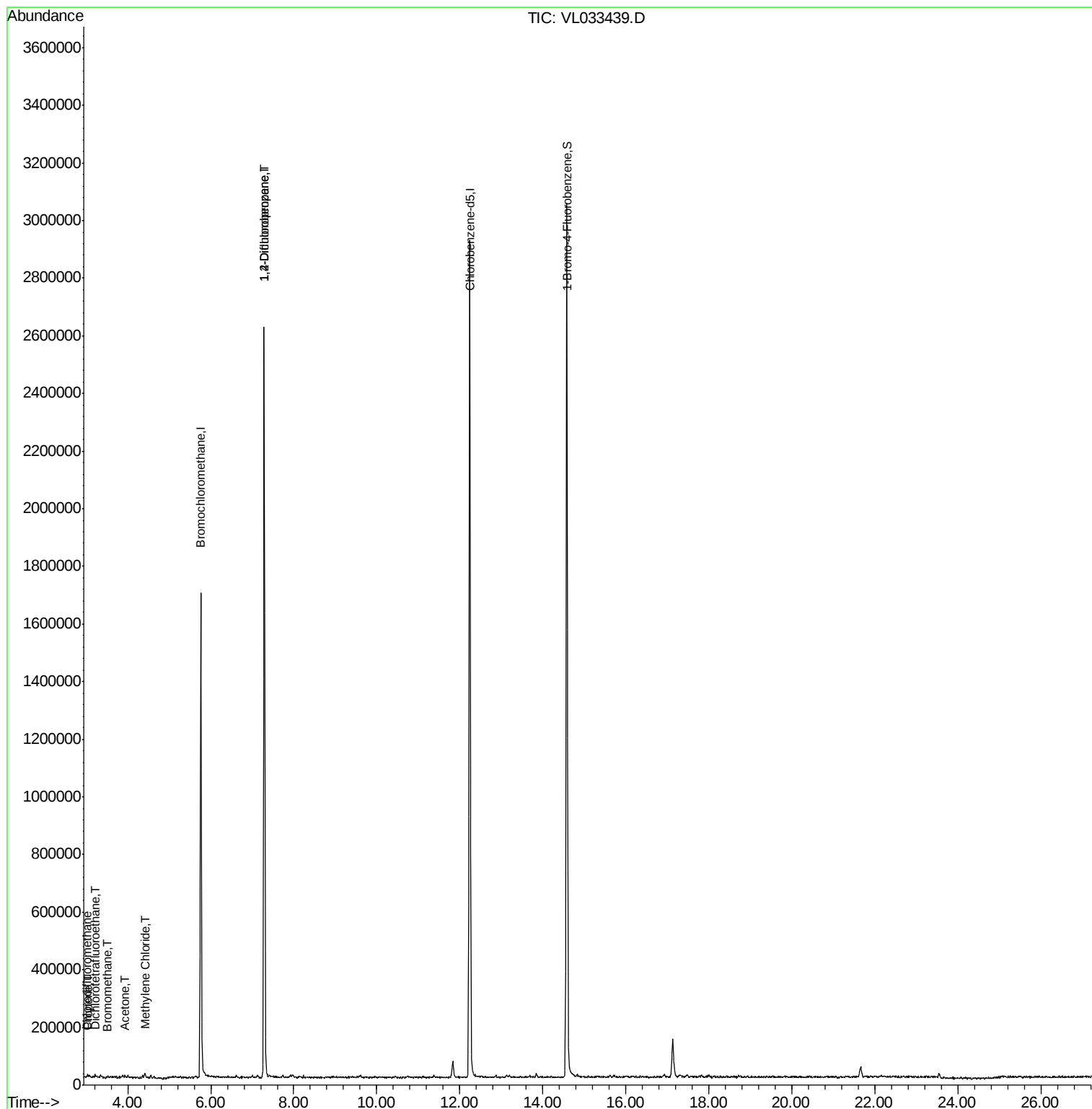
Quant Time: Mar 25 14:50:40 2019

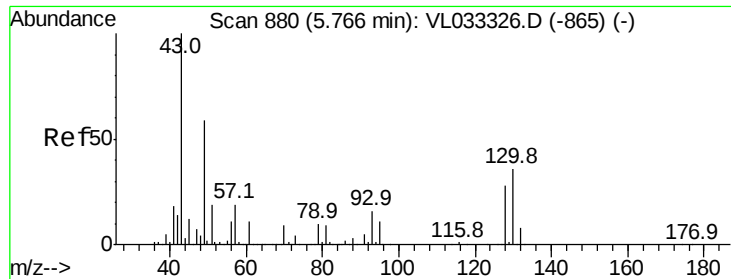
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

QLast Update : Fri Mar 15 14:52:14 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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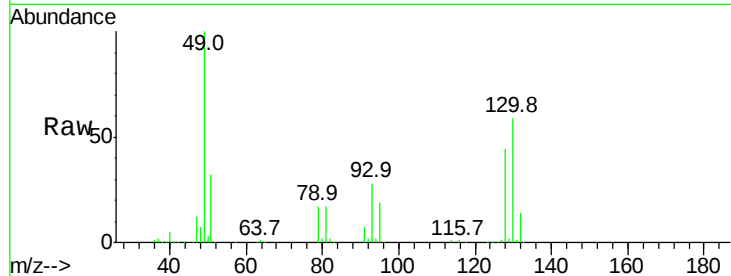
Tgt Ion: 49 Resp: 774028

Ion Ratio Lower Upper

49 100

128 46.6 23.5 70.6

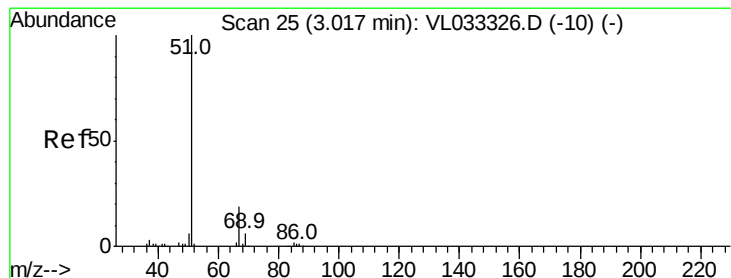
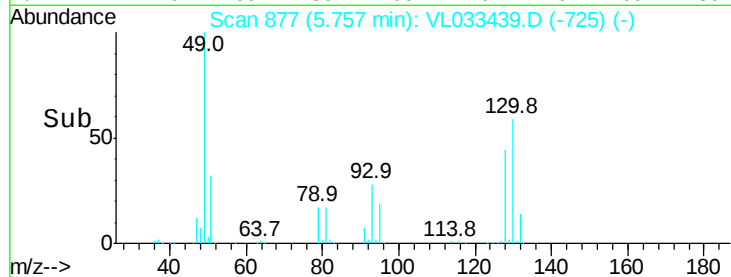
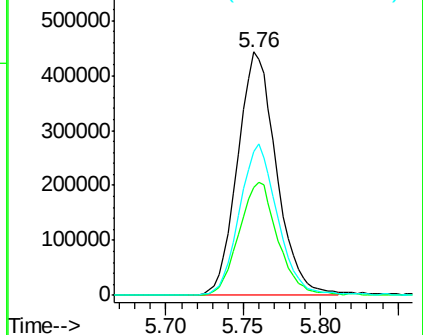
130 61.7 30.1 90.3



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



#3

Chlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033439.D

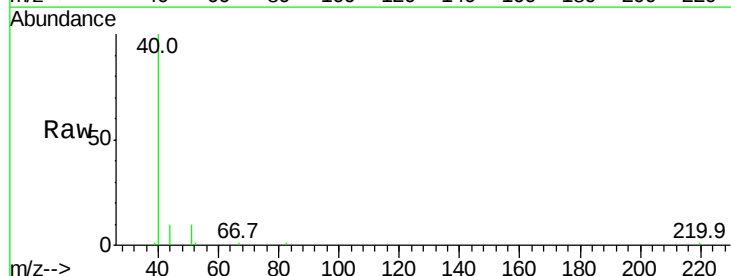
Acq: 25 Mar 2019 13:41

Tgt Ion: 51 Resp: 3332

Ion Ratio Lower Upper

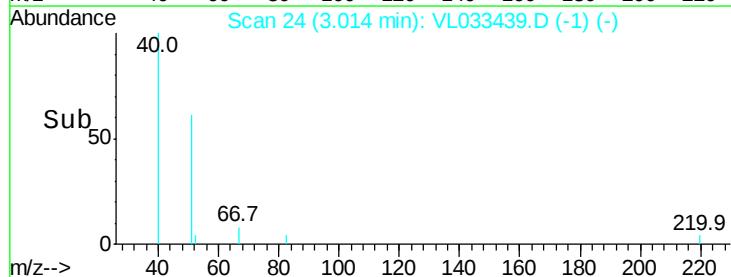
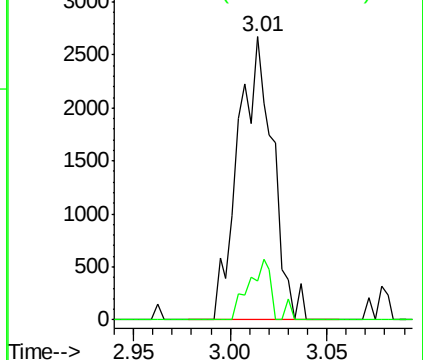
51 100

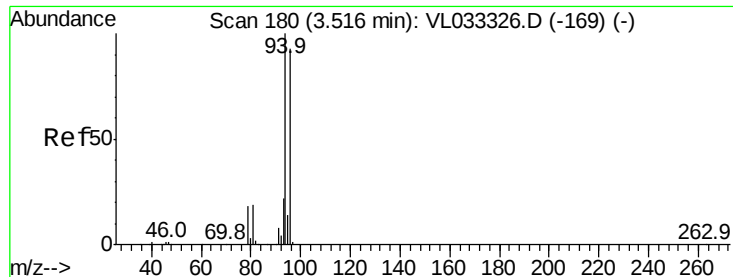
67 14.6 14.9 22.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#6

Bromomethane

Concen: 0.039 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

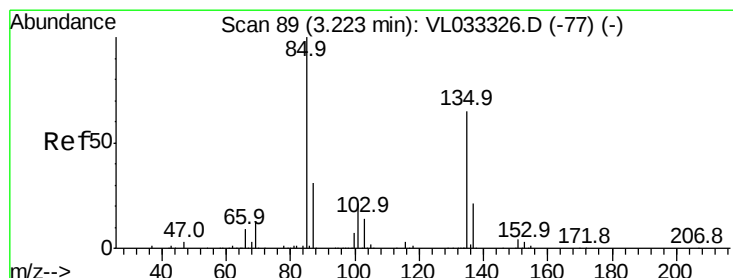
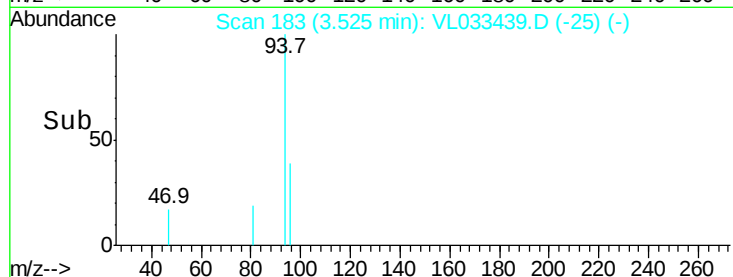
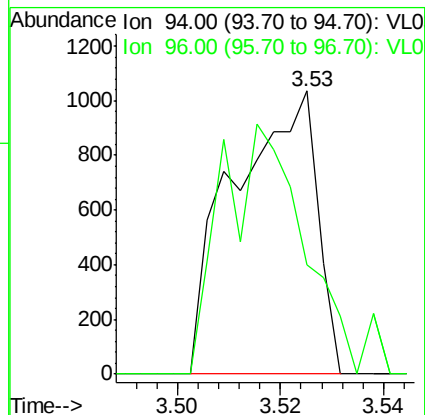
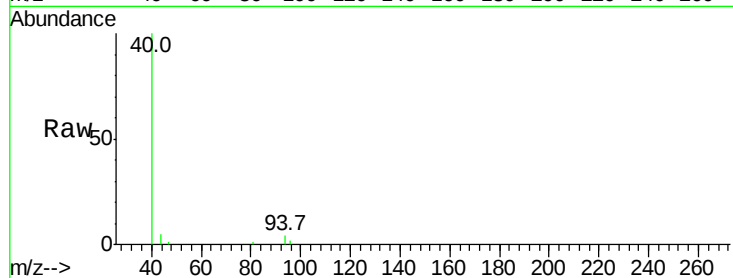
VSTDIC0.03

Tgt Ion: 94 Resp: 1152

Ion Ratio Lower Upper

94 100

96 38.8 74.6 111.8#



#8

Dichlorotetrafluoroethane

Concen: 0.037 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033439.D

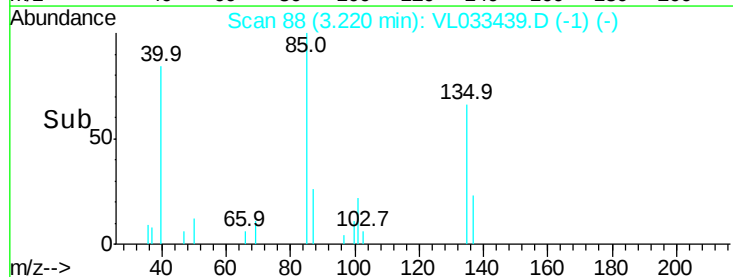
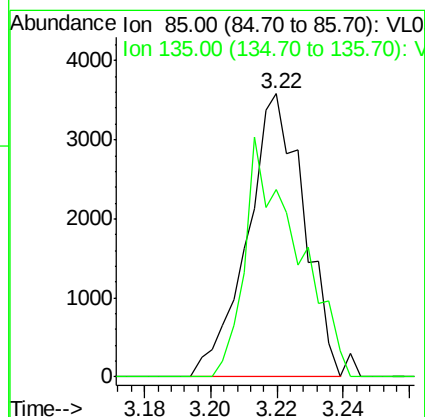
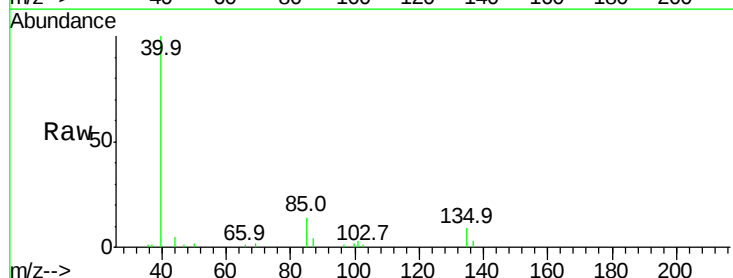
Acq: 25 Mar 2019 13:41

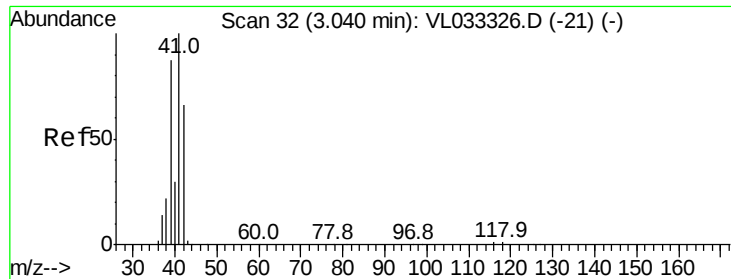
Tgt Ion: 85 Resp: 4237

Ion Ratio Lower Upper

85 100

135 77.7 53.4 80.2





#9

Propene

Concen: 0.030 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

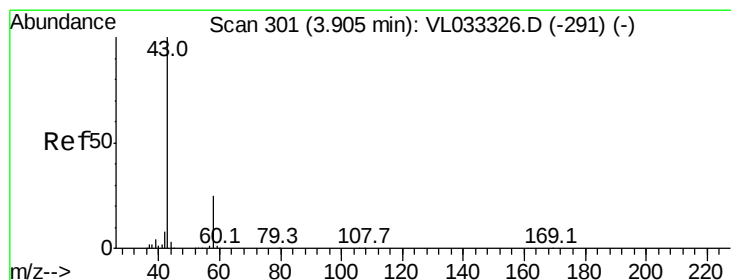
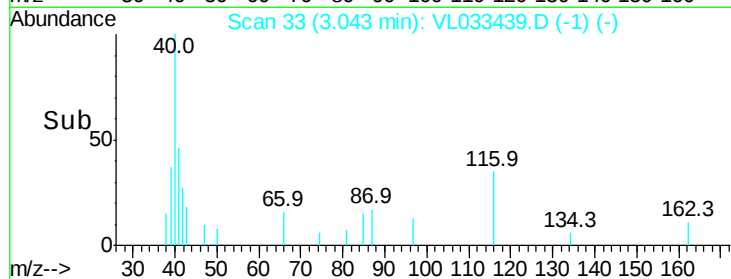
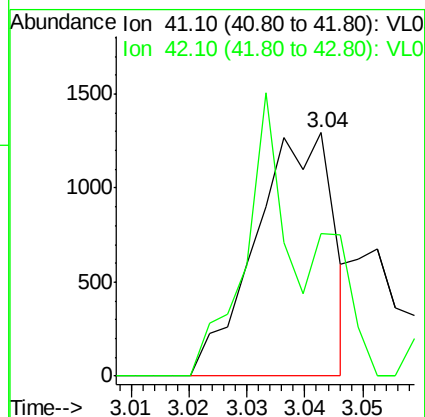
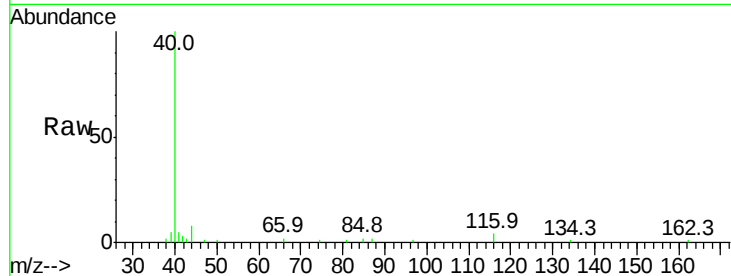
VSTDIC0.03

Tgt Ion: 41 Resp: 1204

Ion Ratio Lower Upper

41 100

42 93.2 55.2 82.8#



#15

Acetone

Concen: 0.043 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL033439.D

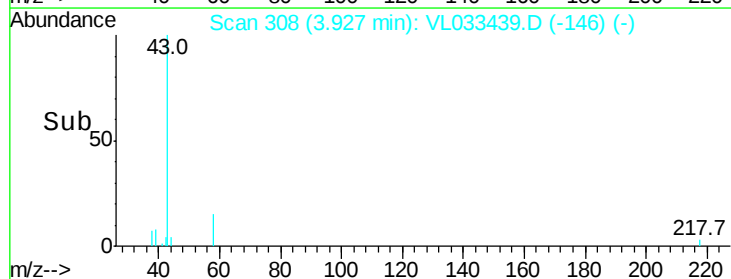
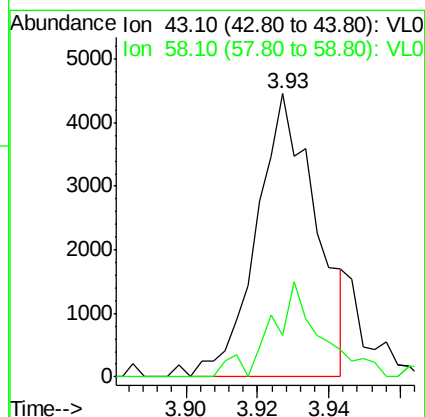
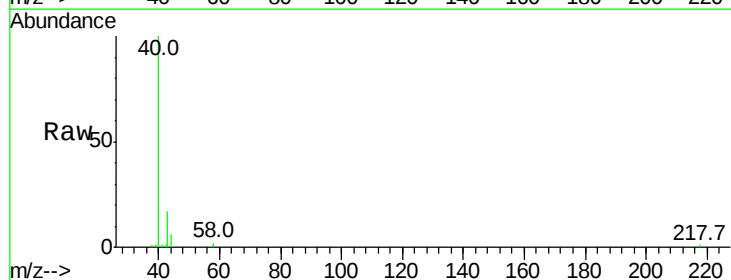
Acq: 25 Mar 2019 13:41

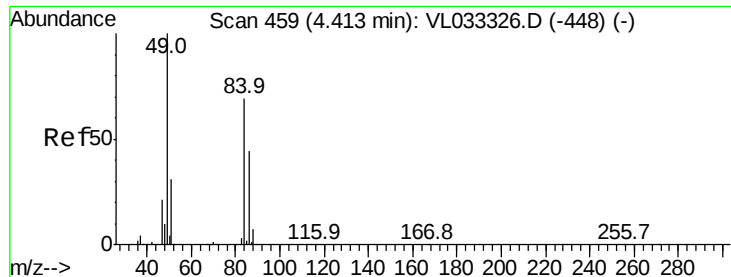
Tgt Ion: 43 Resp: 5152

Ion Ratio Lower Upper

43 100

58 29.3 20.4 30.6





#20

Methylene Chloride

Concen: 0.048 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 84 Resp: 1870

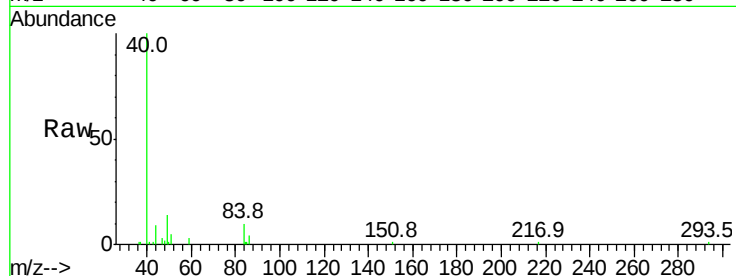
Ion Ratio Lower Upper

84 100

49 120.3 115.4 173.0

51 42.5 35.8 53.6

86 34.2 50.6 75.8#

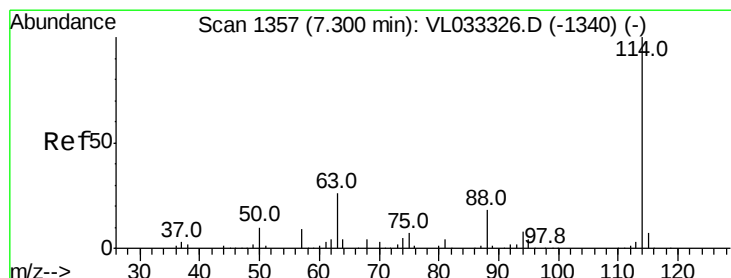
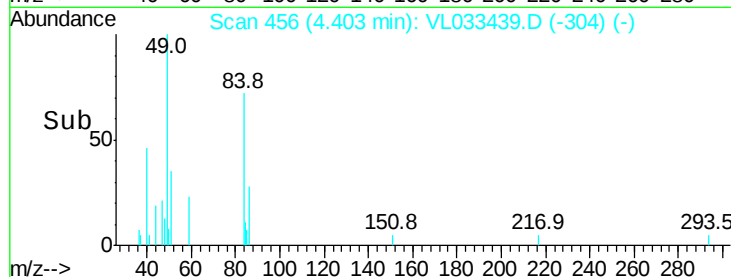
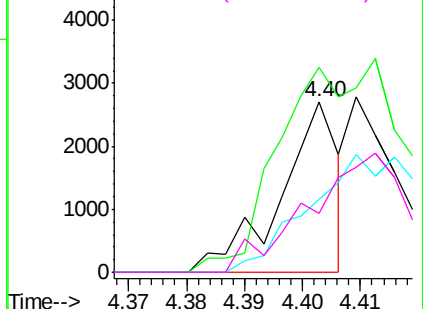


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

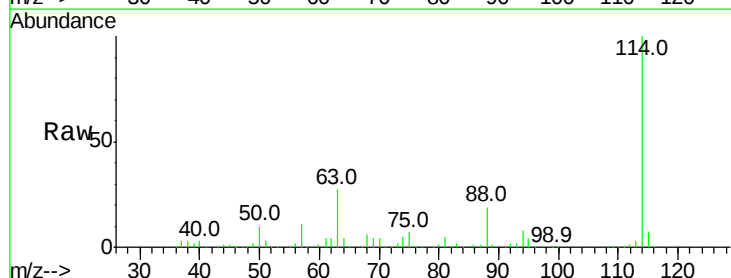
Tgt Ion: 114 Resp: 1779753

Ion Ratio Lower Upper

114 100

63 27.1 21.4 32.2

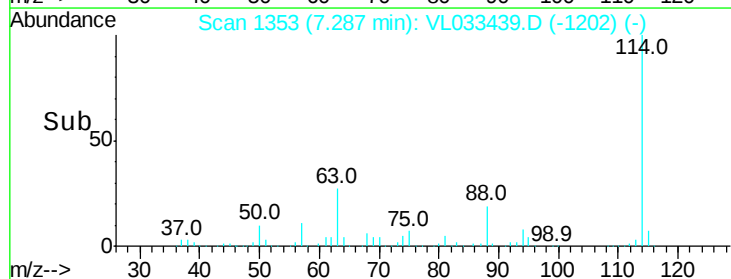
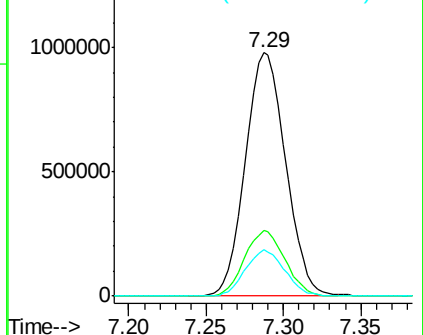
88 18.5 14.5 21.7

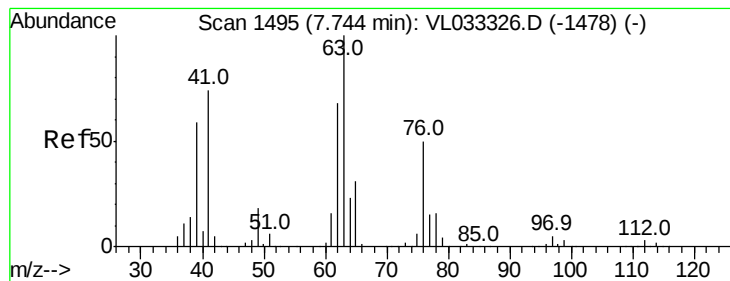


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.070 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.46 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

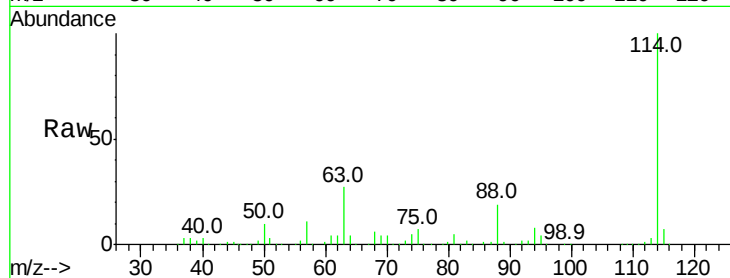
Tgt Ion: 63 Resp: 481348

Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

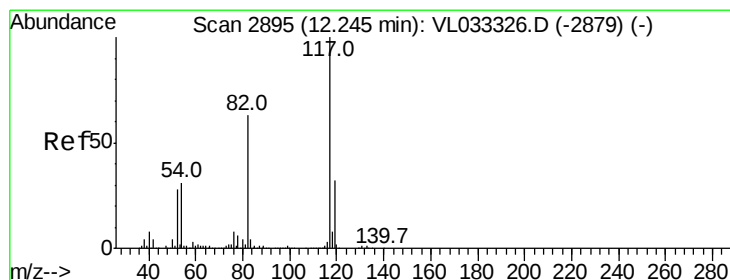
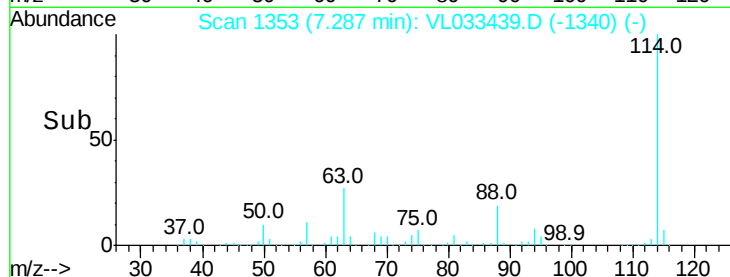
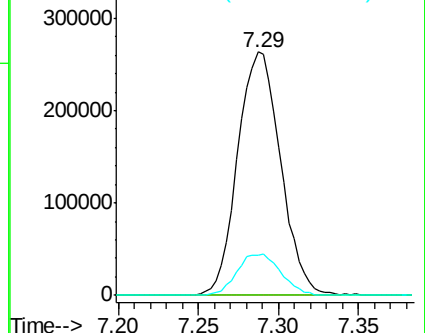
62 16.5 54.7 82.1#



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: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

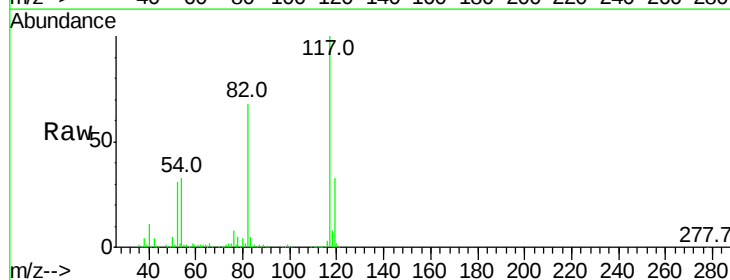
Tgt Ion: 117 Resp: 1741135

Ion Ratio Lower Upper

117 100

82 67.9 53.4 80.2

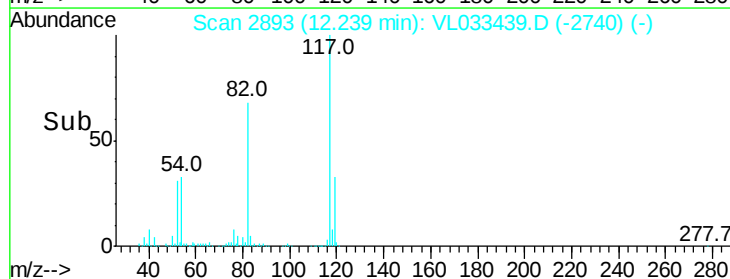
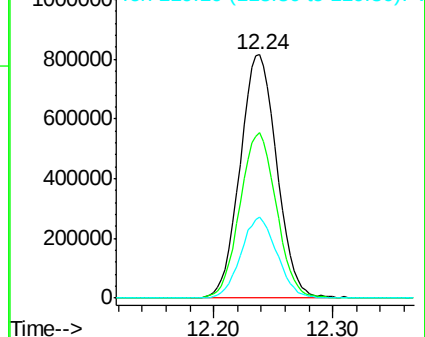
119 32.6 27.3 40.9

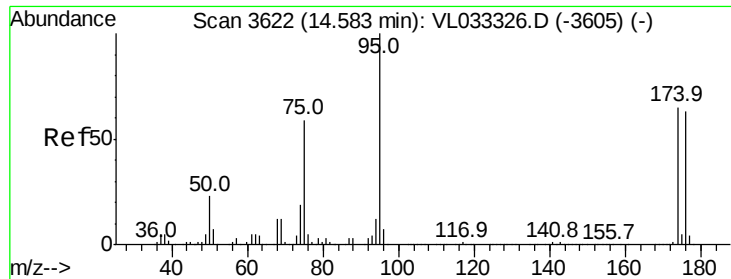


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.733 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033439.D

Acq: 25 Mar 2019 13:41

Instrument :

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ClientSampleId :

VSTDIC0.03

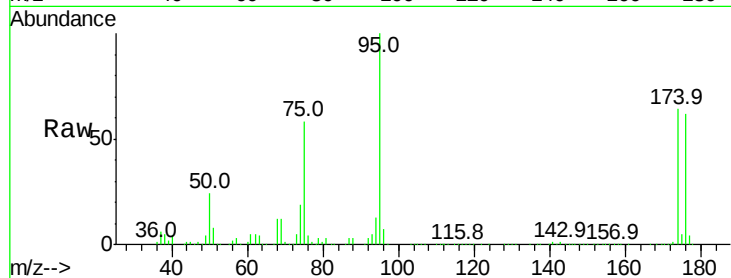
Tgt Ion: 95 Resp: 1384787

Ion Ratio Lower Upper

95 100

174 65.3 51.5 77.3

175 4.6 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

