

Data File : VL035320.D
Acq On : 3 Aug 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: Aug 03 16:15:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1351846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3350817	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3205264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2726701	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

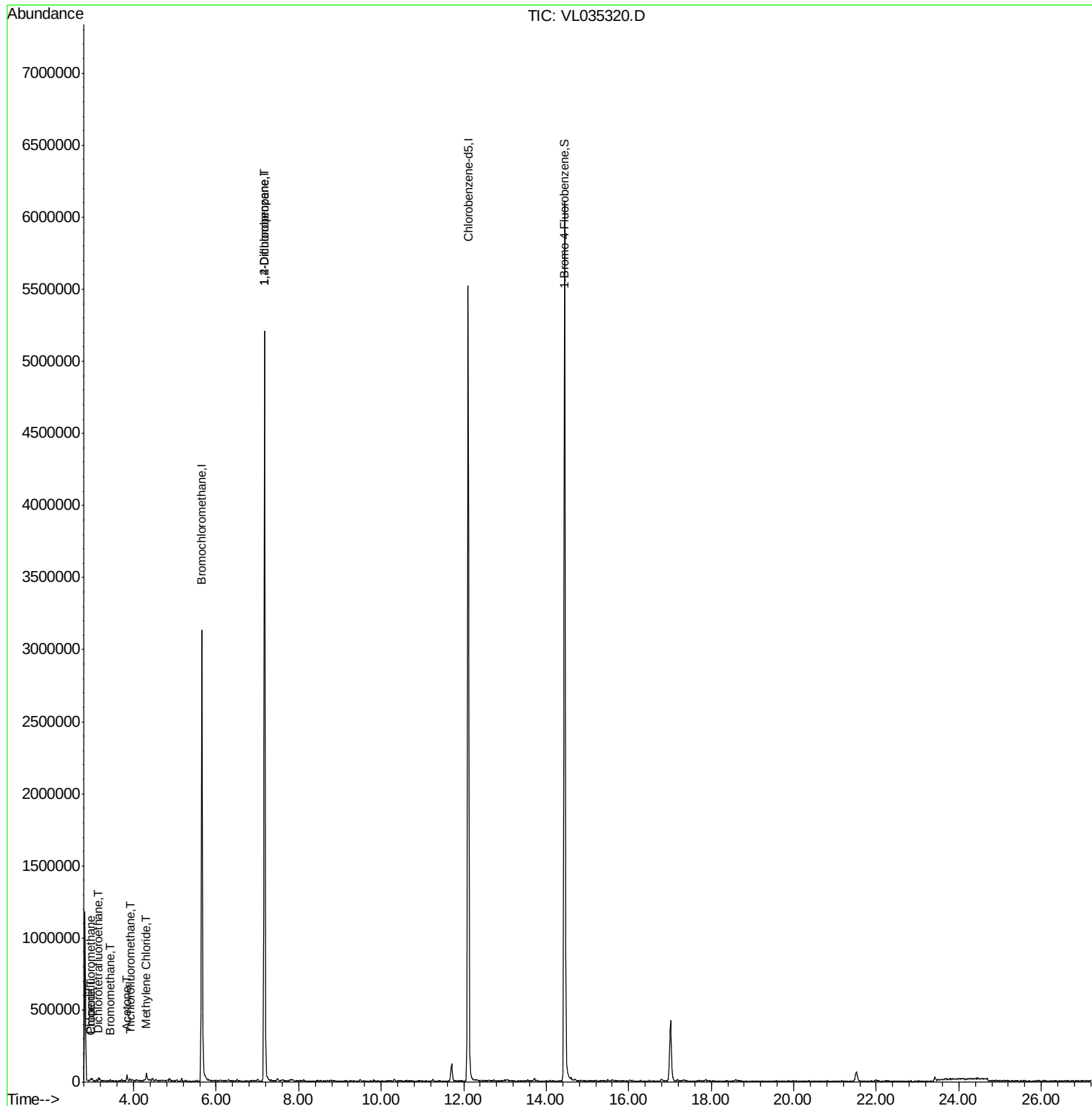
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.94	51	4703	0.031	ppbv #	89
6) Bromomethane	3.43	94	1925	0.036	ppbv #	40
8) Dichlorotetrafluoroethane	3.14	85	6566	0.032	ppbv	95
9) Propene	2.96	41	1973	0.038	ppbv #	14
11) Trichlorofluoromethane	3.91	101	6915	0.032	ppbv	96
15) Acetone	3.84	43	21933	0.122	ppbv #	33
20) Methylene Chloride	4.32	84	4442	0.054	ppbv	91
39) 1,2-Dichloropropane	7.17	63	919007	9.891	ppbv #	24

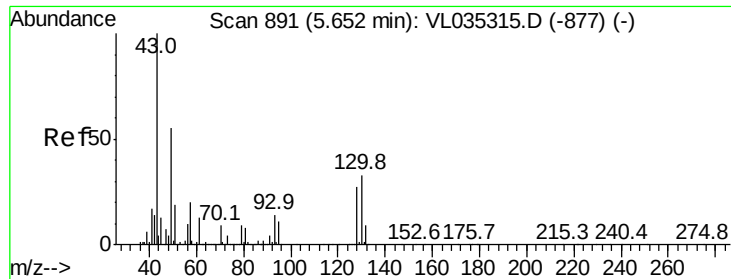
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035320.D

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ClientSampleId :

VSTDIC0.03

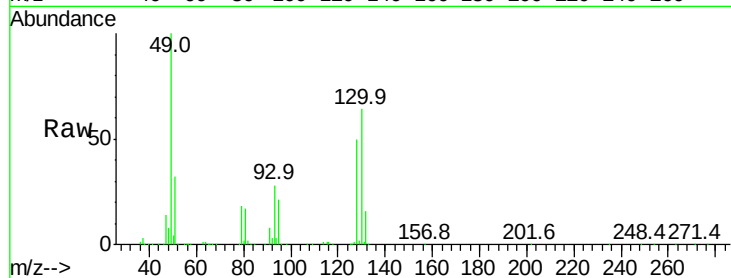
Tgt Ion: 49 Resp: 1351846

Ion Ratio Lower Upper

49 100

128 50.6 23.8 71.5

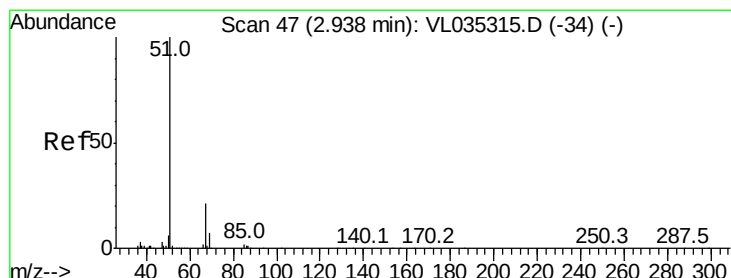
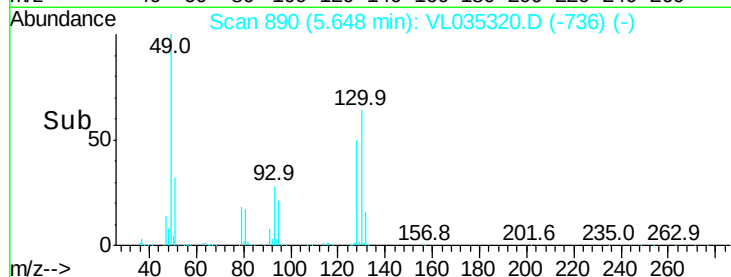
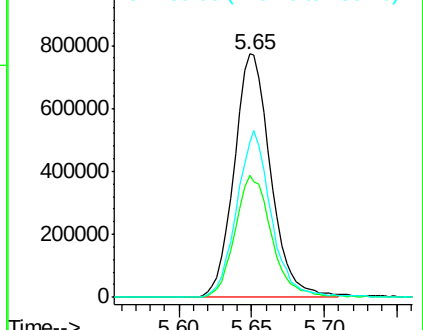
130 65.6 31.4 94.3



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: 0.031 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035320.D

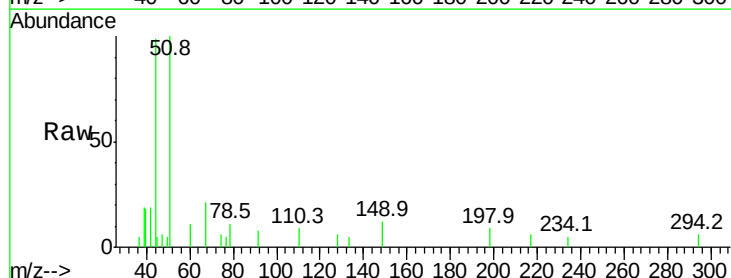
Acq: 3 Aug 2020 15:28

Tgt Ion: 51 Resp: 4703

Ion Ratio Lower Upper

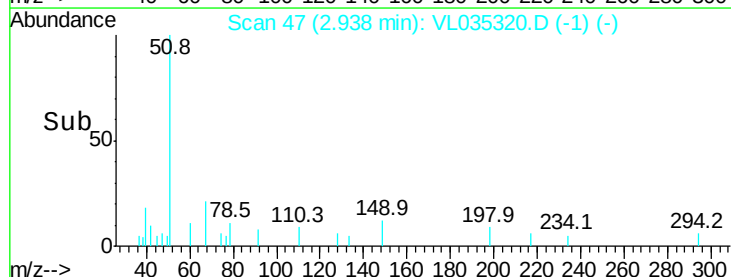
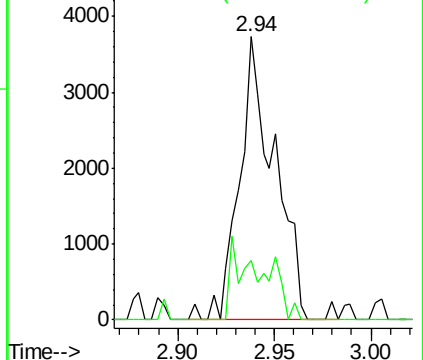
51 100

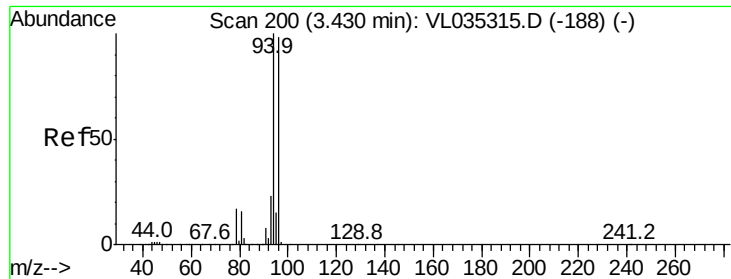
67 25.5 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#6

Bromomethane

Concen: 0.036 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

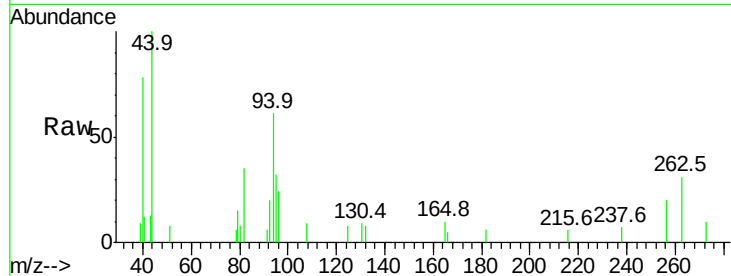
VSTDIC0.03

Tgt Ion: 94 Resp: 1925

Ion Ratio Lower Upper

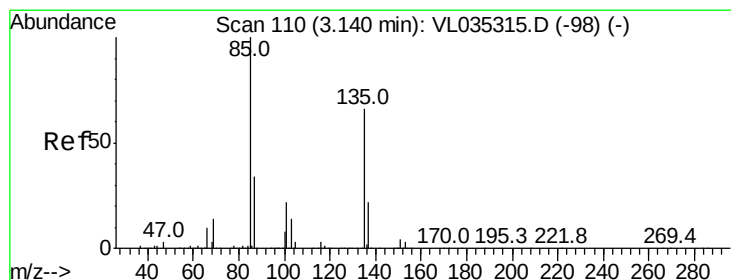
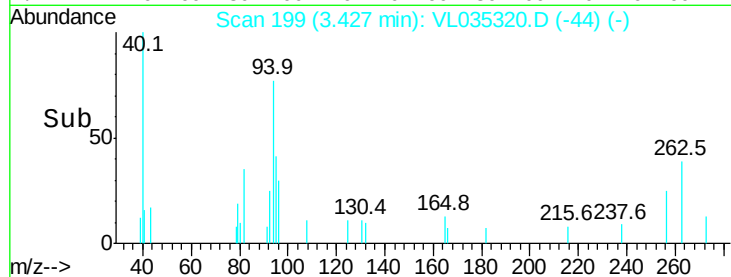
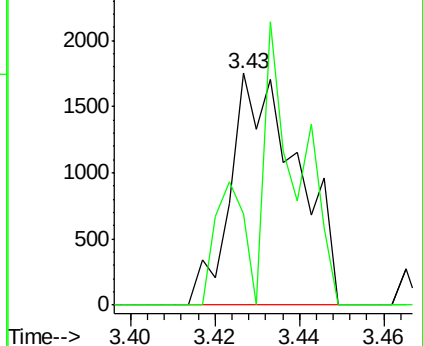
94 100

96 39.3 78.6 117.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.032 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035320.D

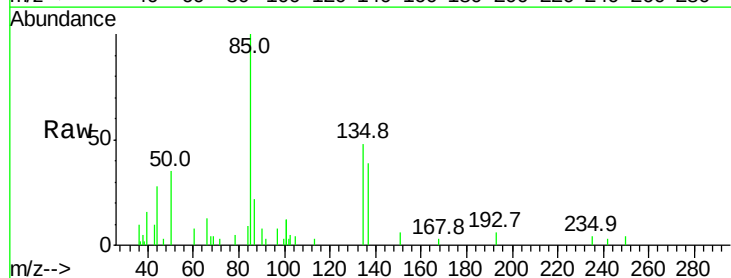
Acq: 3 Aug 2020 15:28

Tgt Ion: 85 Resp: 6566

Ion Ratio Lower Upper

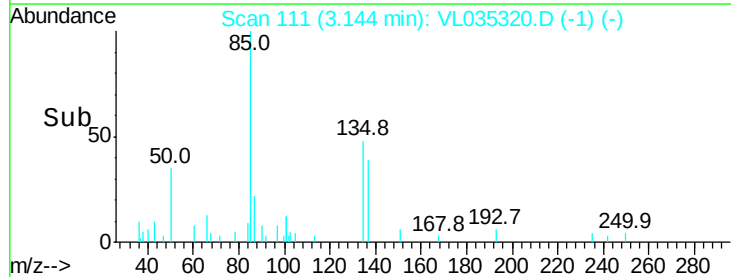
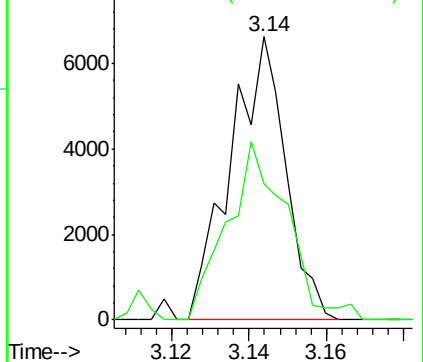
85 100

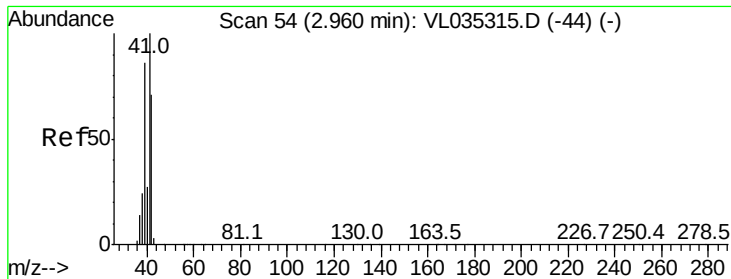
135 71.0 53.4 80.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.038 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

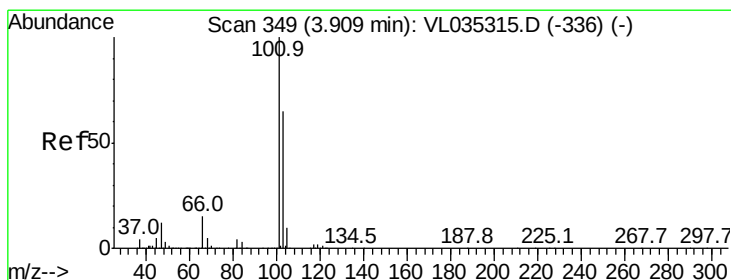
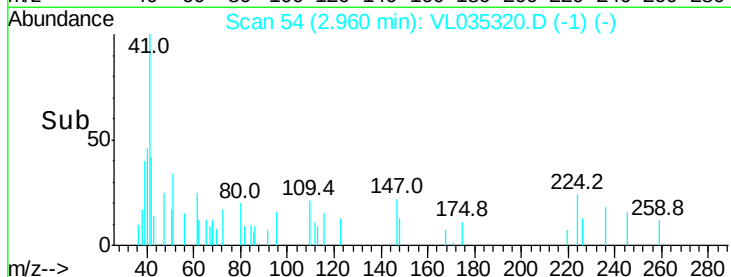
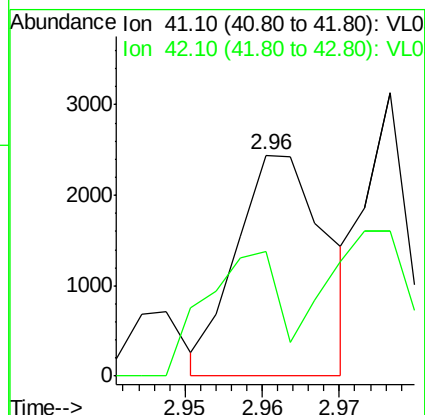
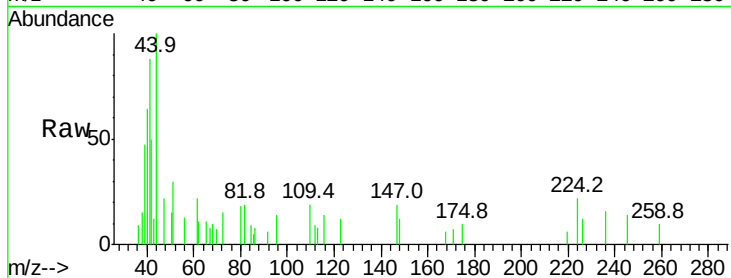
VSTDIC0.03

Tgt Ion: 41 Resp: 1973

Ion Ratio Lower Upper

41 100

42 0.0 56.8 85.2#



#11

Trichlorofluoromethane

Concen: 0.032 ppbv

RT: 3.91 min Scan# 350

Delta R.T. 0.00 min

Lab File: VL035320.D

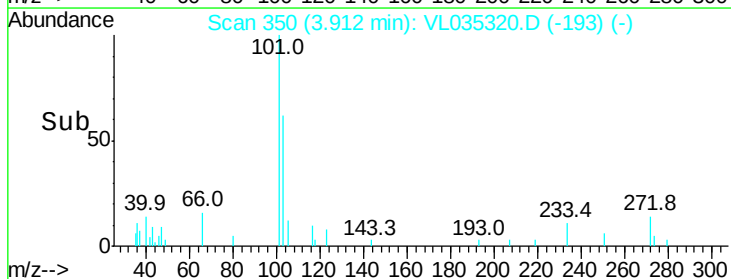
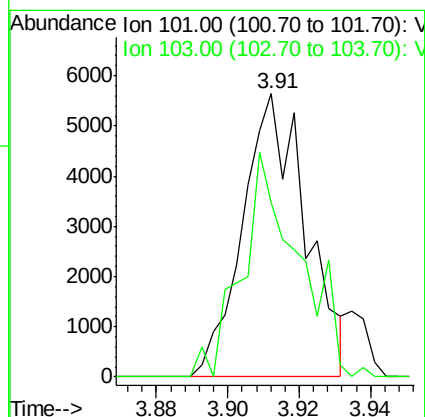
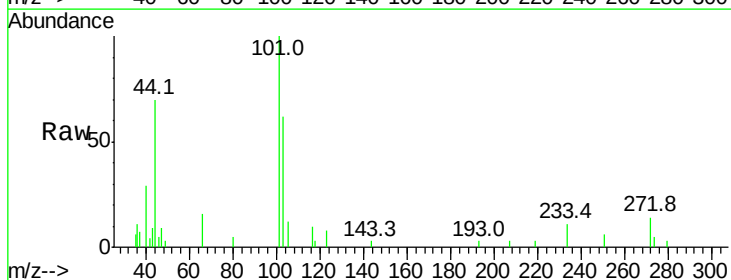
Acq: 3 Aug 2020 15:28

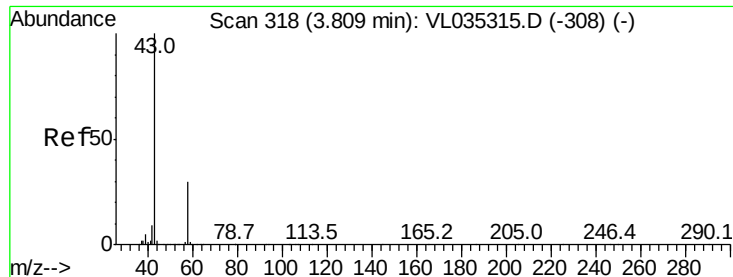
Tgt Ion: 101 Resp: 6915

Ion Ratio Lower Upper

101 100

103 61.7 51.8 77.6





#15

Acetone

Concen: 0.122 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.03 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

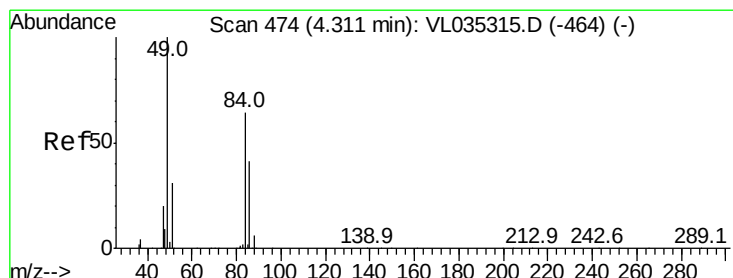
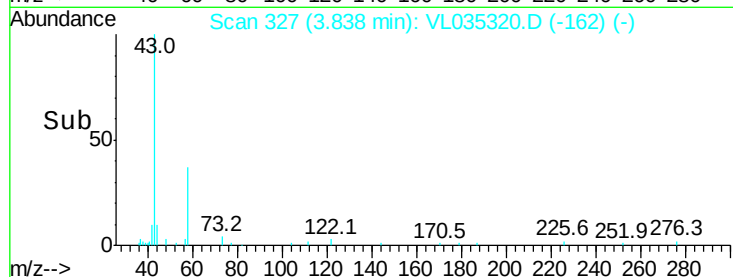
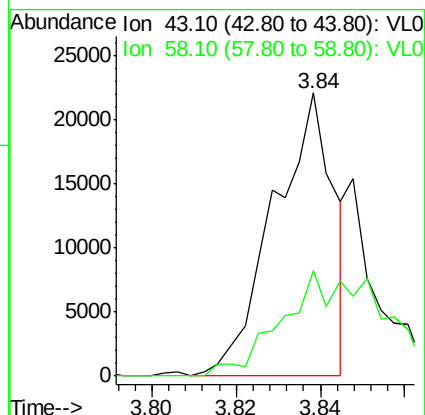
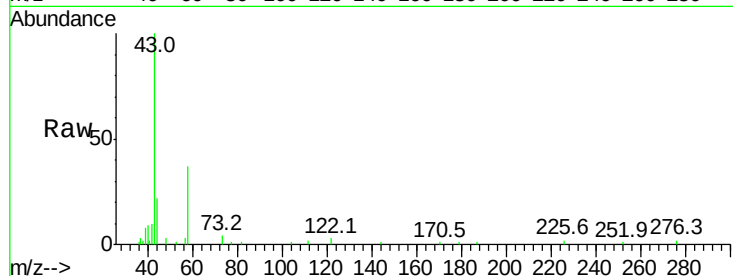
VSTDIC0.03

Tgt Ion: 43 Resp: 21933

Ion Ratio Lower Upper

43 100

58 62.5 22.1 33.1#



#20

Methylene Chloride

Concen: 0.054 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Tgt Ion: 84 Resp: 4442

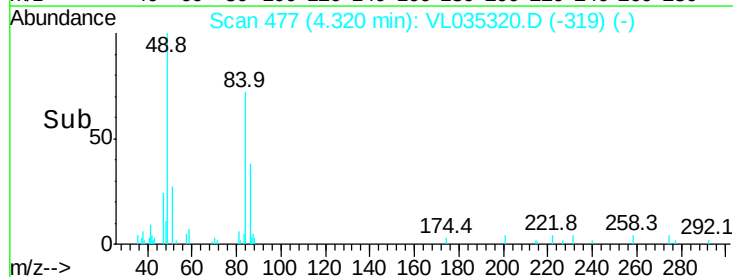
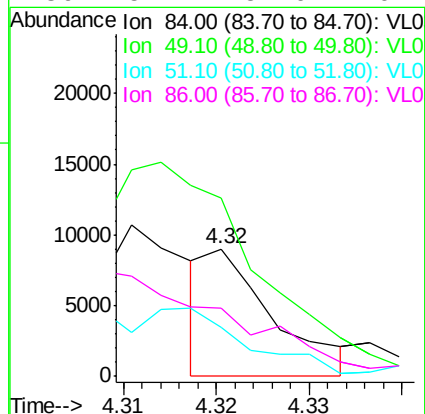
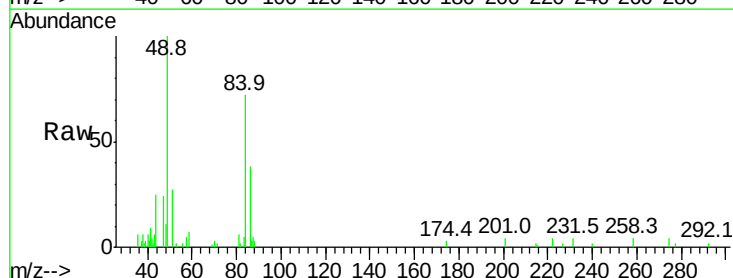
Ion Ratio Lower Upper

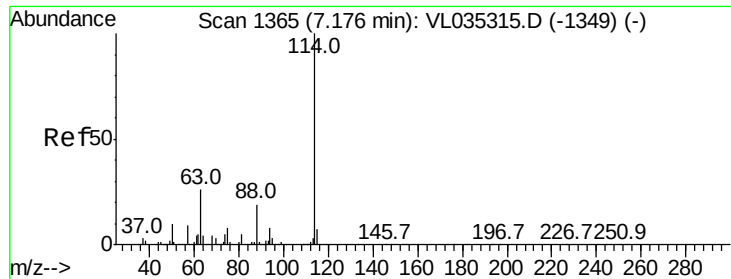
84 100

49 142.4 124.2 186.2

51 47.2 38.6 58.0

86 54.7 51.0 76.4

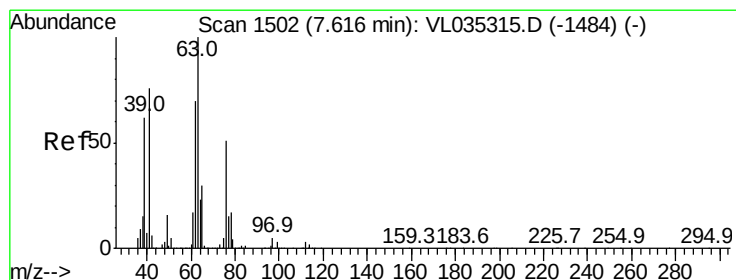
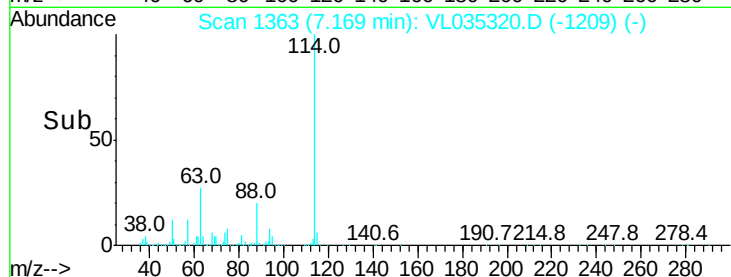
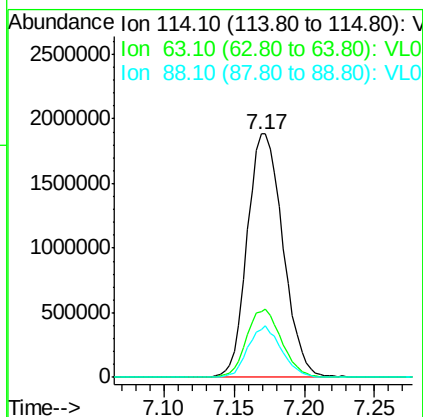
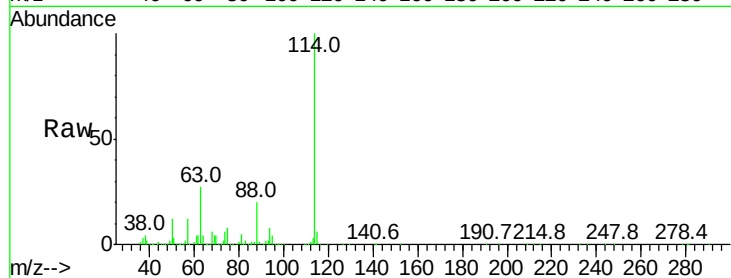




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035320.D
 Acq: 3 Aug 2020 15:28

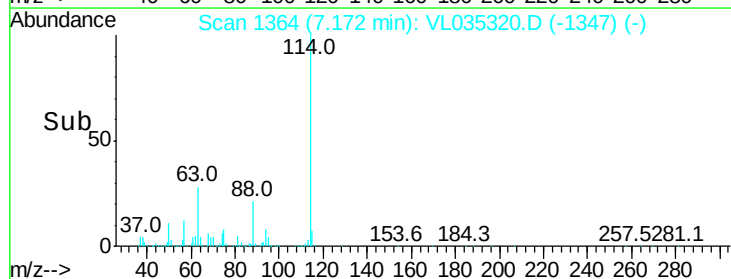
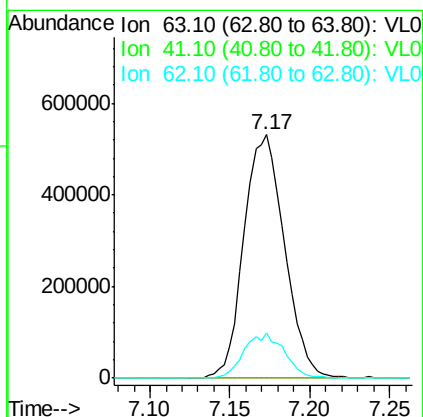
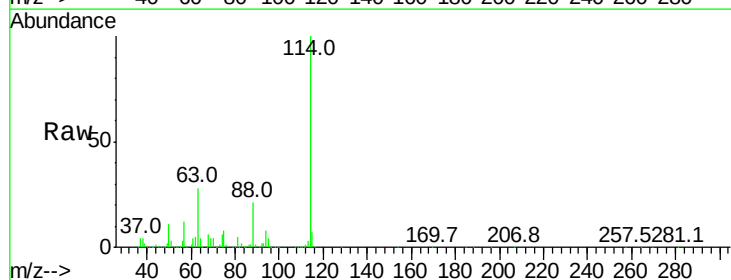
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

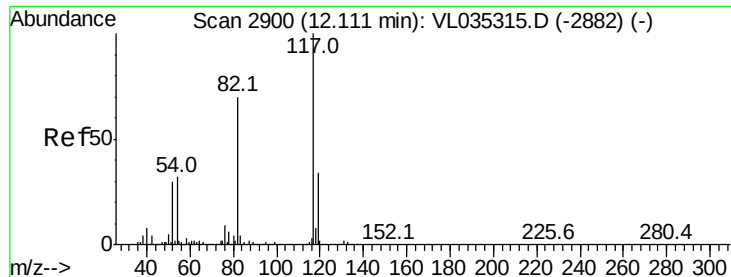
Tgt Ion: 114 Resp: 3350817
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.5 32.3
 88 19.7 15.3 22.9



#39
 1,2-Dichloropropane
 Concen: 9.891 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.44 min
 Lab File: VL035320.D
 Acq: 3 Aug 2020 15:28

Tgt Ion: 63 Resp: 919007
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.0 91.4#
 62 18.4 55.8 83.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

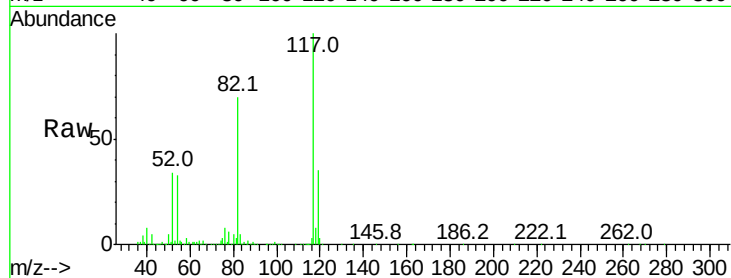
Tgt Ion:117 Resp: 3205264

Ion Ratio Lower Upper

117 100

82 68.6 50.6 76.0

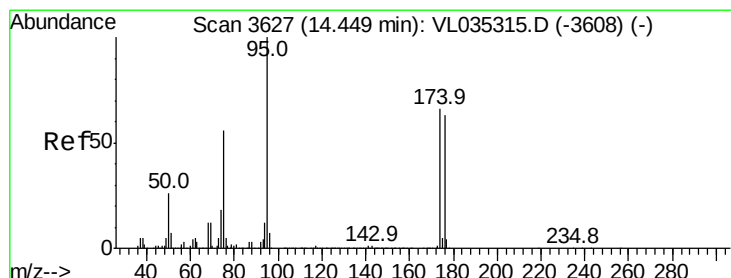
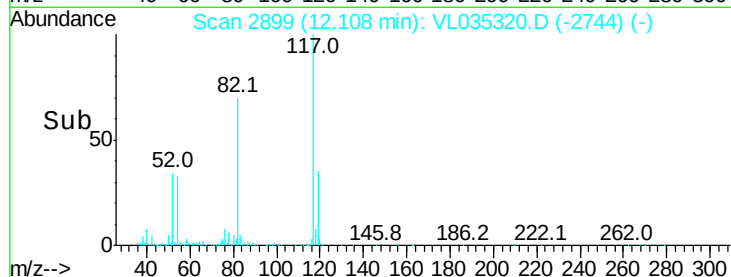
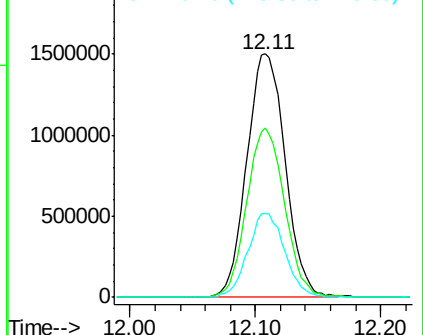
119 33.3 24.1 36.1



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: 10.646 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035320.D

Acq: 3 Aug 2020 15:28

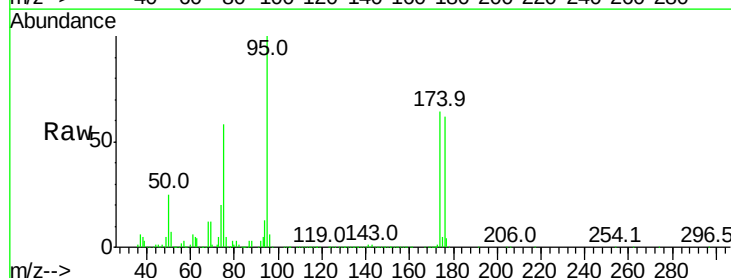
Tgt Ion: 95 Resp: 2726701

Ion Ratio Lower Upper

95 100

174 65.3 52.5 78.7

175 4.8 3.9 5.9



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

