

Data File : VL034672.D
Acq On : 25 Feb 2020 14:27
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Feb 25 15:05:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1095450	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2272453	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2268106	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1905737	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

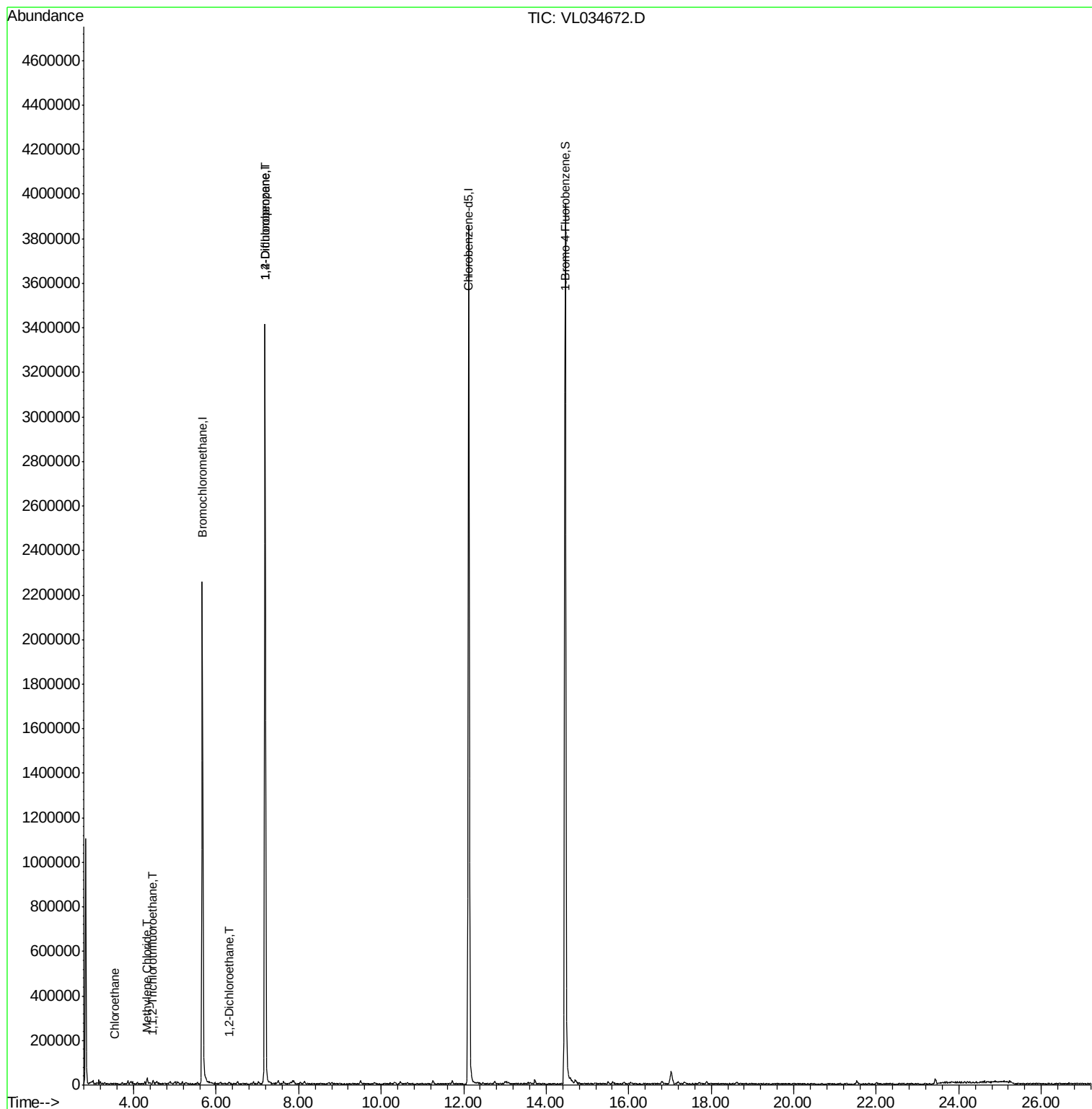
Target Compounds						Qvalue
7) Chloroethane	3.53	64	996	0.035	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4567	0.032	ppbv	91
20) Methylene Chloride	4.32	84	5957	0.097	ppbv #	54
37) 1,2-Dichloroethane	6.31	62	5178	0.031	ppbv #	83
39) 1,2-Dichloropropane	7.19	63	651922	7.782	ppbv #	25

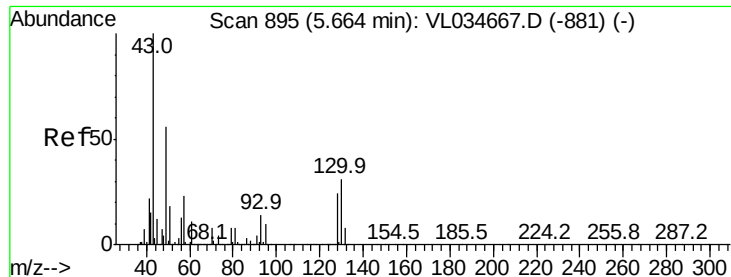
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

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ClientSampleId :

VSTDIC0.03

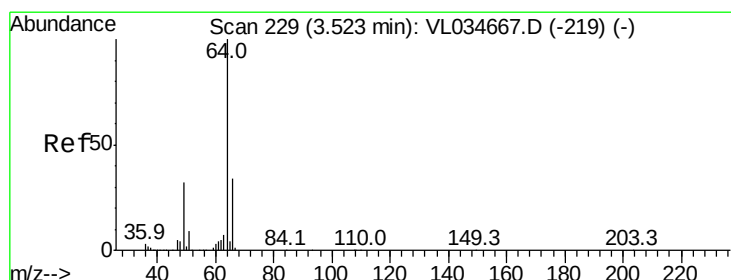
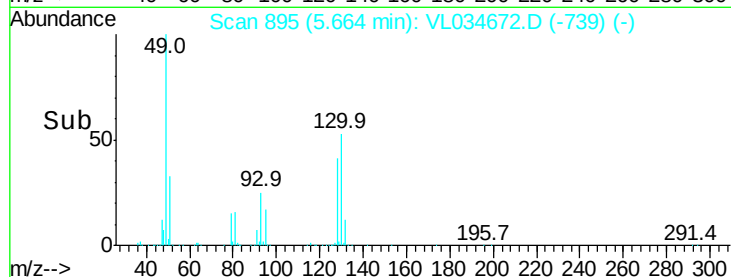
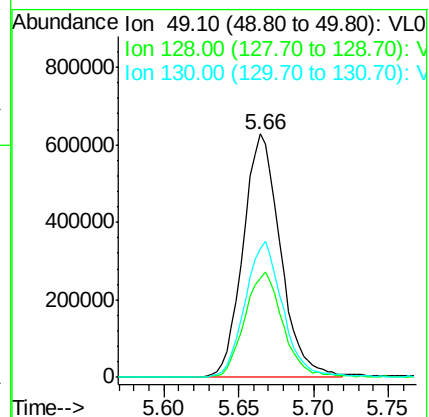
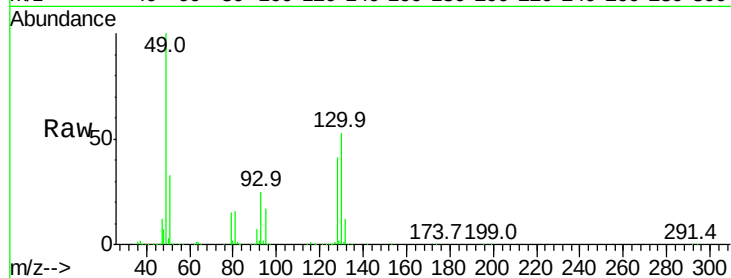
Tgt Ion: 49 Resp: 1095450

Ion Ratio Lower Upper

49 100

128 44.7 21.9 65.5

130 56.7 27.9 83.7



#7

Chloroethane

Concen: 0.035 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034672.D

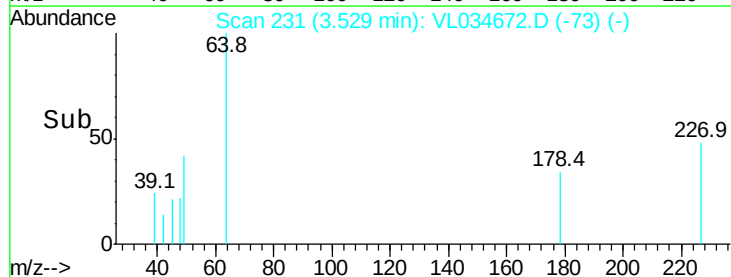
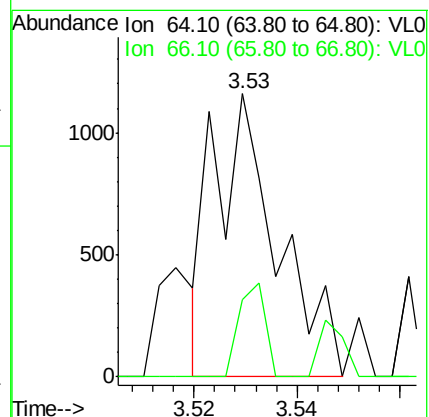
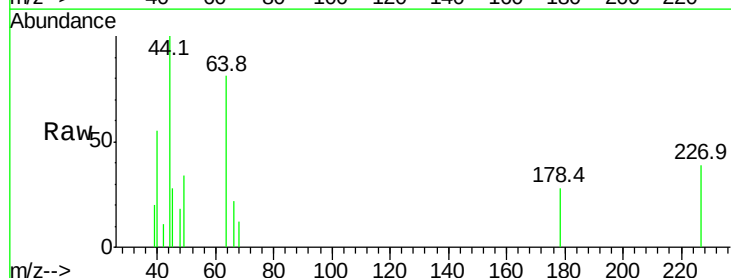
Acq: 25 Feb 2020 14:27

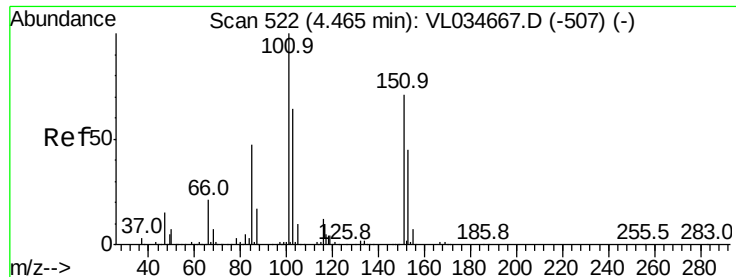
Tgt Ion: 64 Resp: 996

Ion Ratio Lower Upper

64 100

66 27.4 26.9 40.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034672.D

Acq: 25 Feb 2020 14:27

Instrument :

MSVOA_L

ClientSampleId :

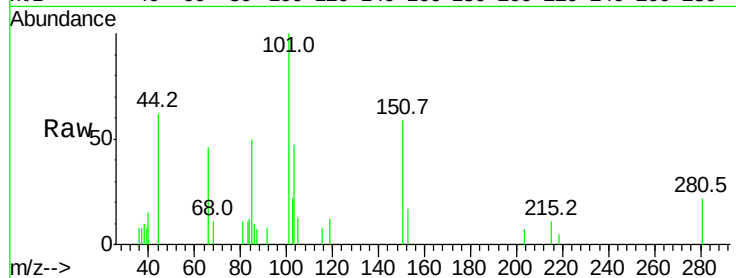
VSTDIC0.03

Tgt Ion:101 Resp: 4567

Ion Ratio Lower Upper

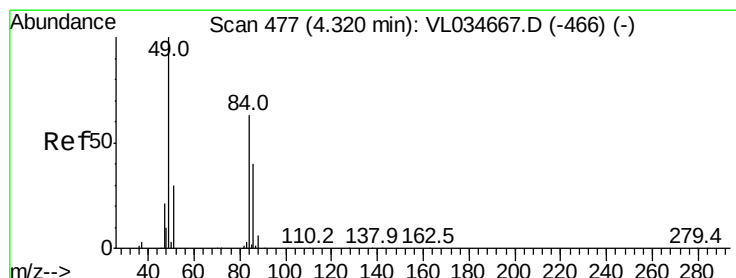
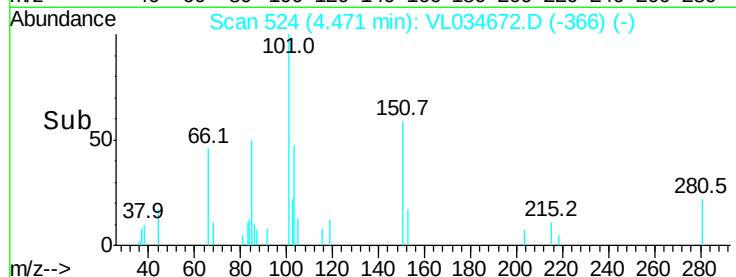
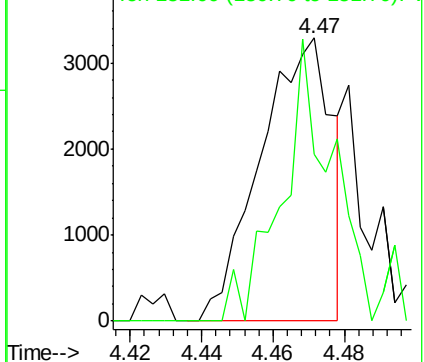
101 100

151 76.8 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#20

Methylene Chloride

Concen: 0.097 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

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Acq: 25 Feb 2020 14:27

Tgt Ion: 84 Resp: 5957

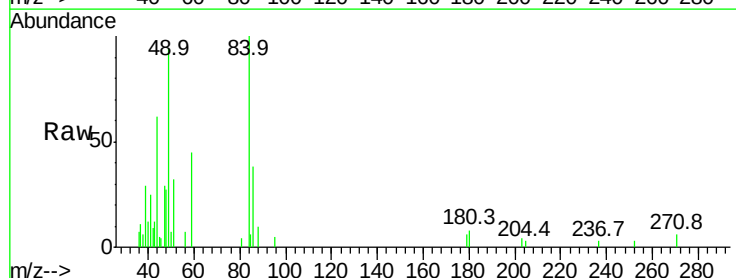
Ion Ratio Lower Upper

84 100

49 88.2 127.6 191.4#

51 27.6 39.7 59.5#

86 35.6 51.1 76.7#

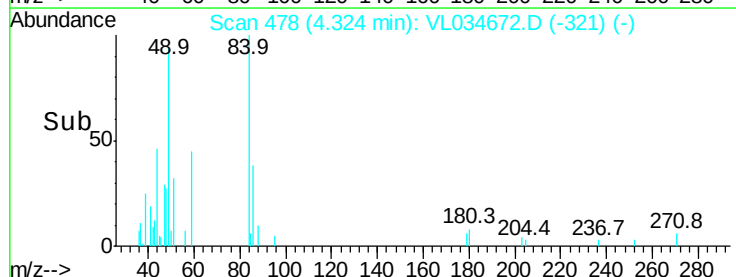
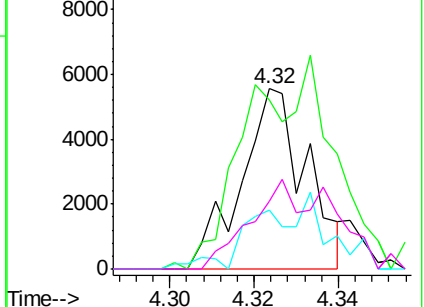


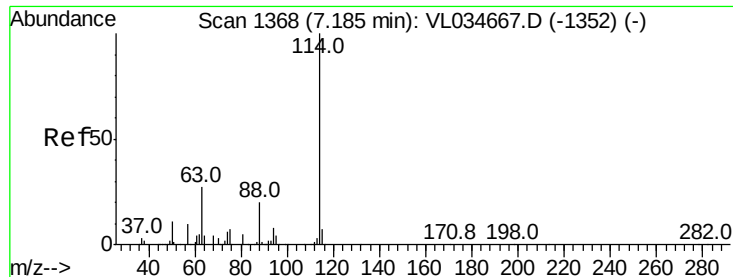
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.19 min Scan# 1368

Delta R.T. -0.00 min

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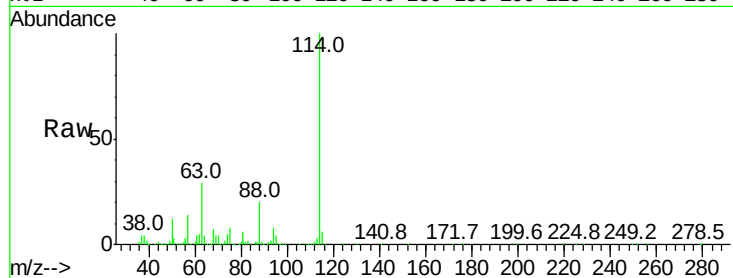
Tgt Ion:114 Resp: 2272453

Ion Ratio Lower Upper

114 100

63 28.9 23.1 34.7

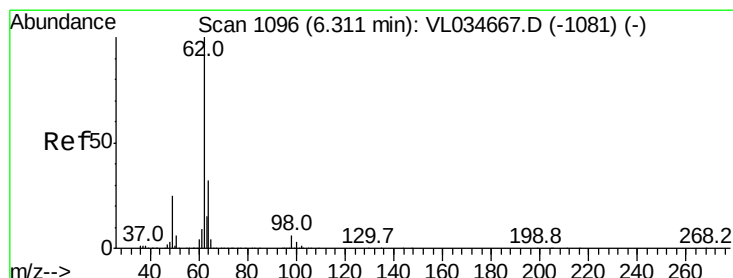
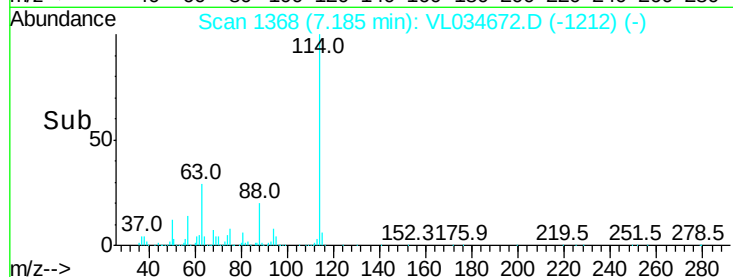
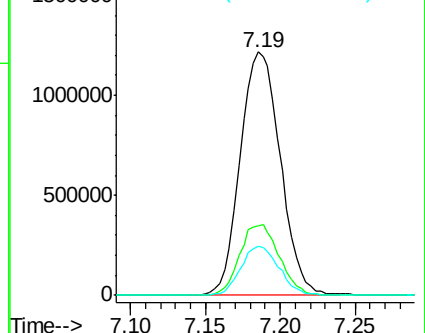
88 19.3 15.6 23.4



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



#37

1,2-Dichloroethane

Concen: 0.031 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VL034672.D

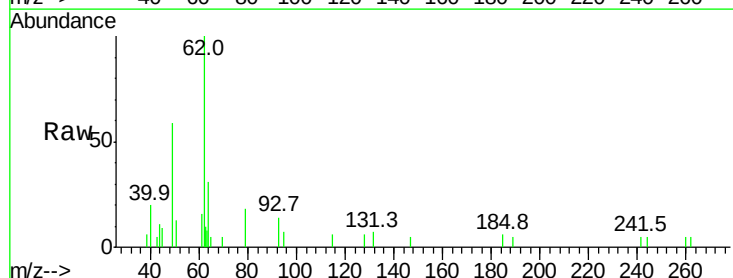
Acq: 25 Feb 2020 14:27

Tgt Ion: 62 Resp: 5178

Ion Ratio Lower Upper

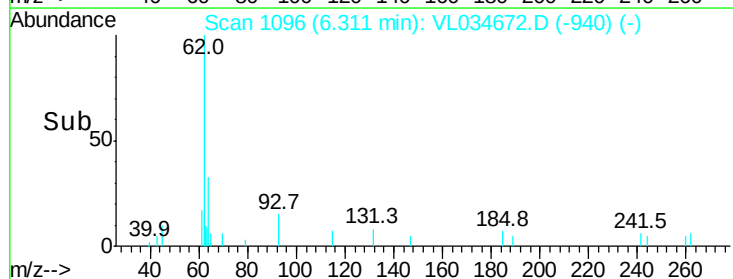
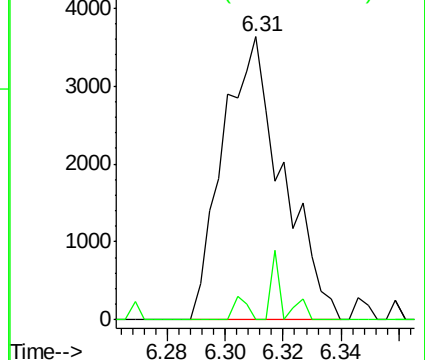
62 100

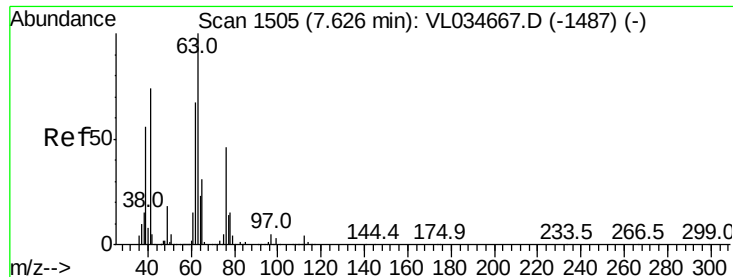
98 0.0 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 7.782 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL034672.D

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ClientSampleId :

VSTDIC0.03

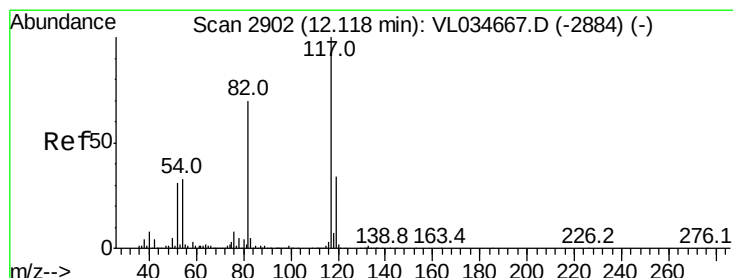
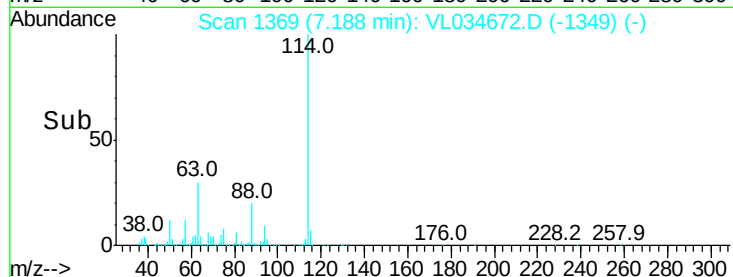
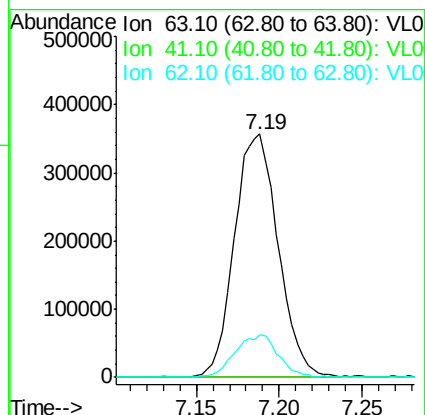
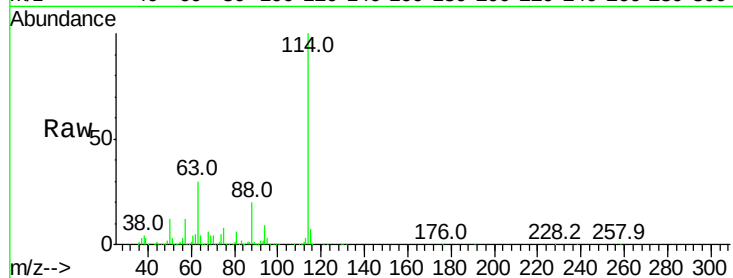
Tgt Ion: 63 Resp: 651922

Ion Ratio Lower Upper

63 100

41 0.0 58.9 88.3#

62 17.3 53.8 80.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL034672.D

Acq: 25 Feb 2020 14:27

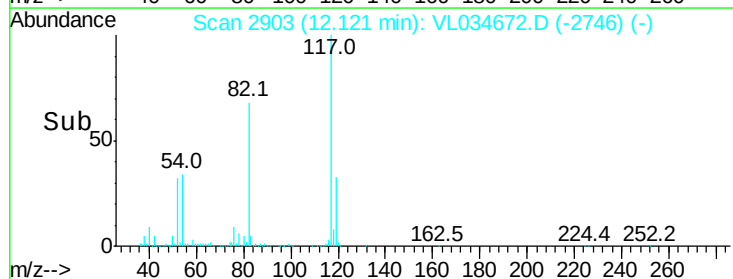
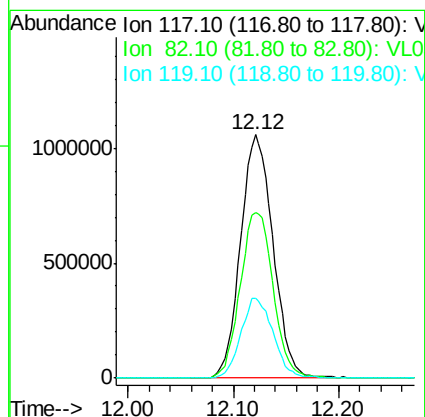
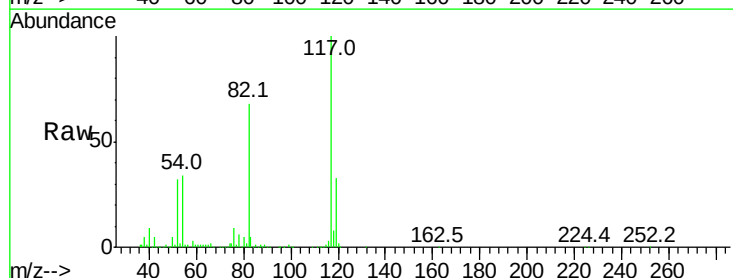
Tgt Ion: 117 Resp: 2268106

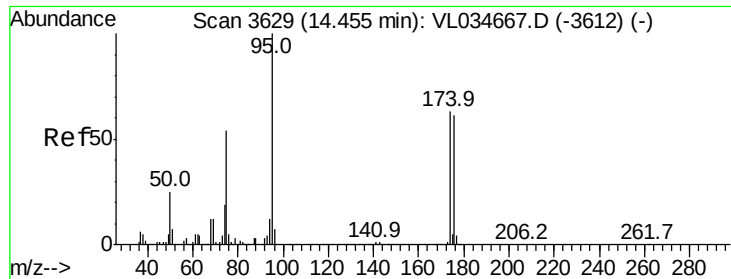
Ion Ratio Lower Upper

117 100

82 69.3 54.2 81.4

119 32.6 44.2 66.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.942 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL034672.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

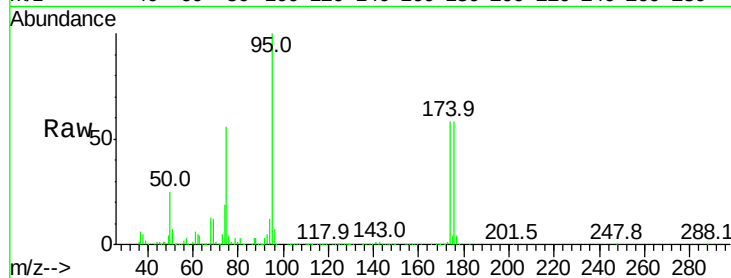
Tgt Ion: 95 Resp: 1905737

Ion Ratio Lower Upper

95 100

174 62.4 51.2 76.8

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

