

Data File : VL034657.D
Acq On : 19 Feb 2020 23:00
Operator : SY/AP
Sample : L1553-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Quant Time: Feb 20 06:52:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	721416	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1498571	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	1521389	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1304364	10.14	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

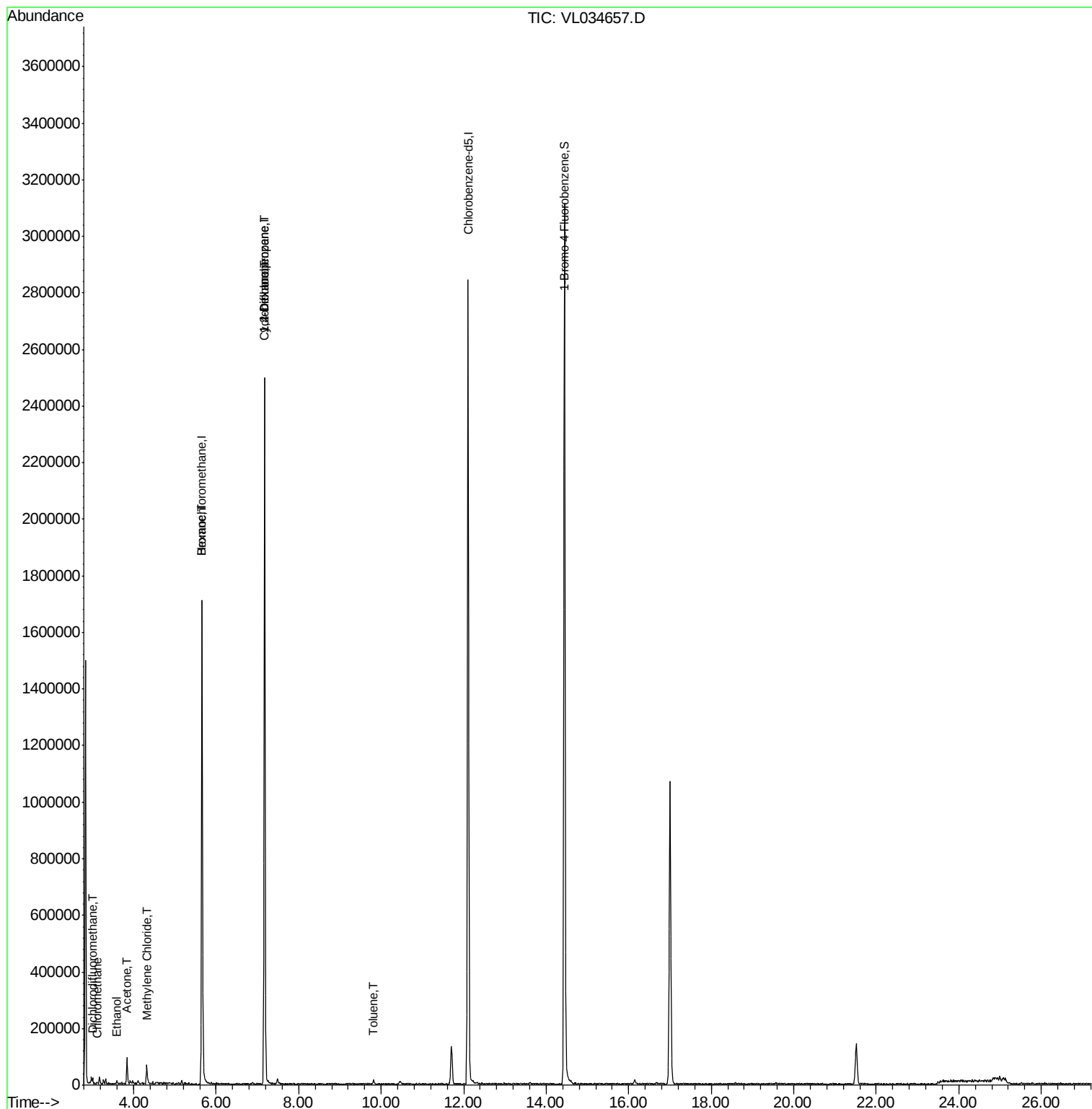
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	10024	0.063	ppbv #	78
4) Chloromethane	3.10	50	2030	0.038	ppbv #	72
13) Ethanol	3.57	45	551	0.061	ppbv #	38
15) Acetone	3.84	43	80652	0.761	ppbv	92
20) Methylene Chloride	4.32	84	19963	0.494	ppbv	90
26) Hexane	5.66	57	3424	0.048	ppbv #	1
30) Cyclohexane	7.16	84	3881	0.073	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	431095	7.803	ppbv #	21
53) Toluene	9.81	91	6018	0.041	ppbv #	50

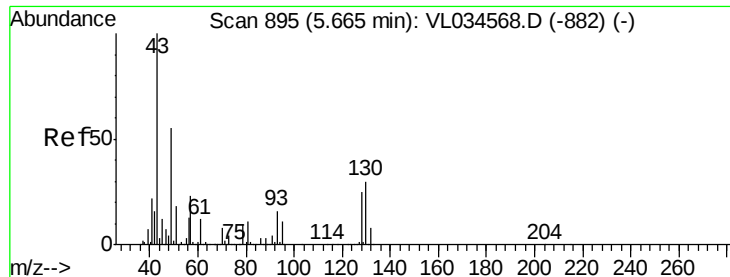
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

AA-1DL

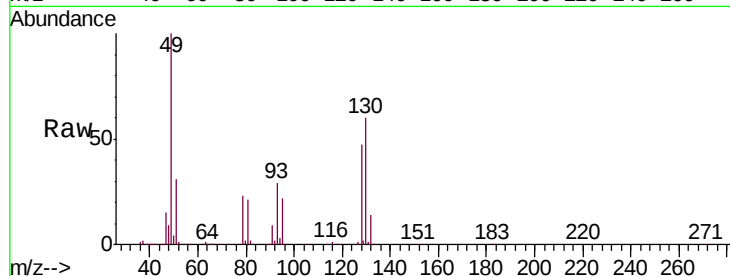
Tgt Ion: 49 Resp: 721416

Ion Ratio Lower Upper

49 100

128 47.6 22.7 68.1

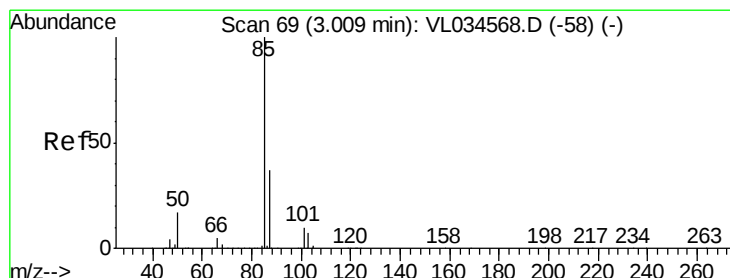
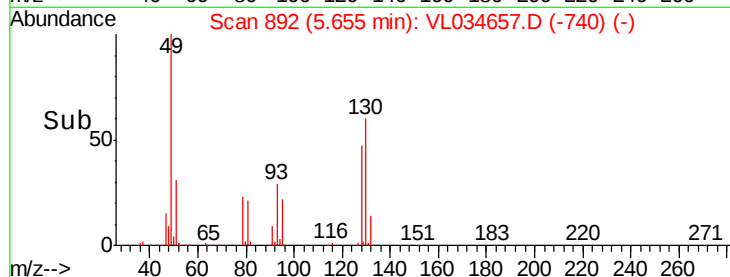
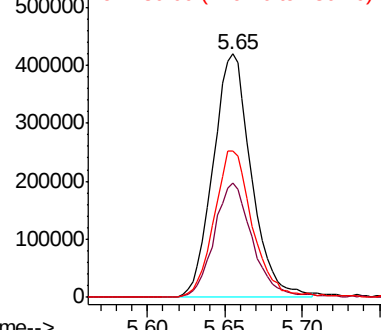
130 61.0 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.063 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034657.D

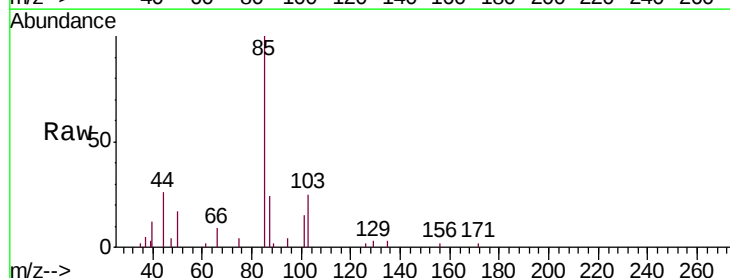
Acq: 19 Feb 2020 23:00

Tgt Ion: 85 Resp: 10024

Ion Ratio Lower Upper

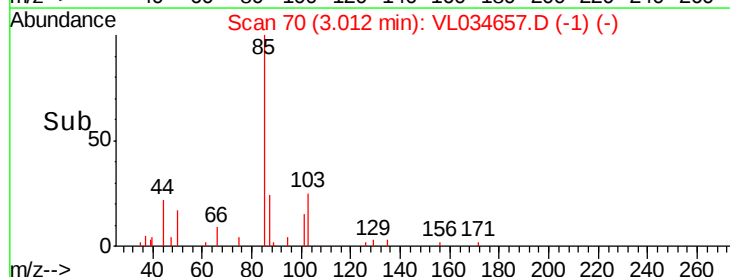
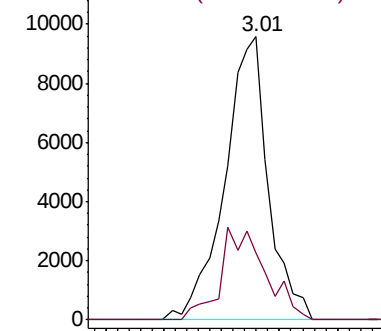
85 100

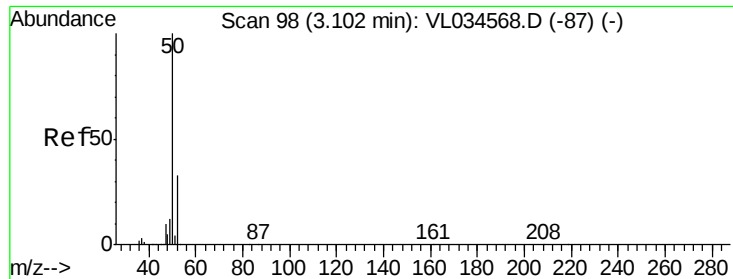
87 23.8 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.038 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034657.D

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ClientSampleId :

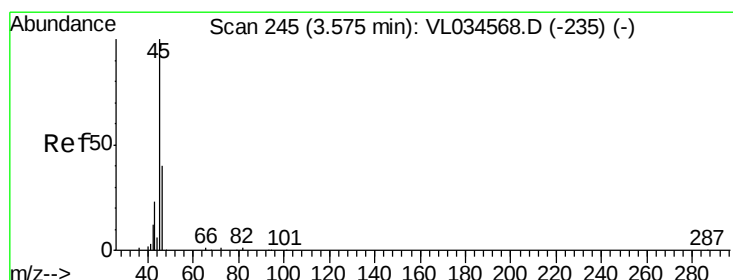
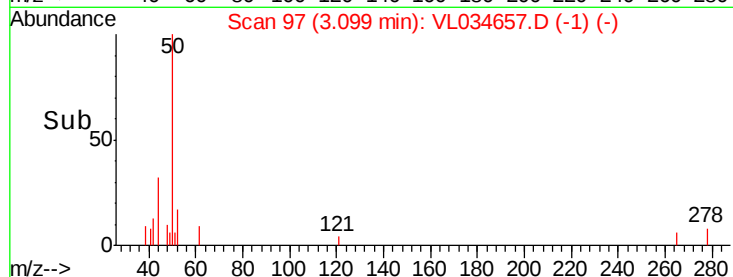
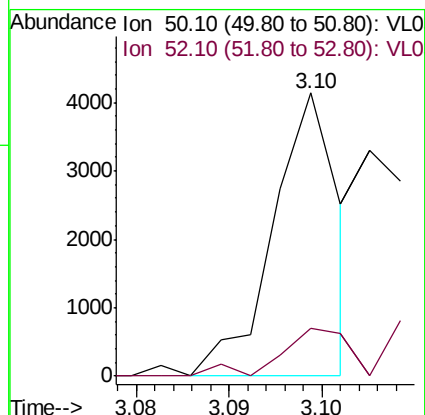
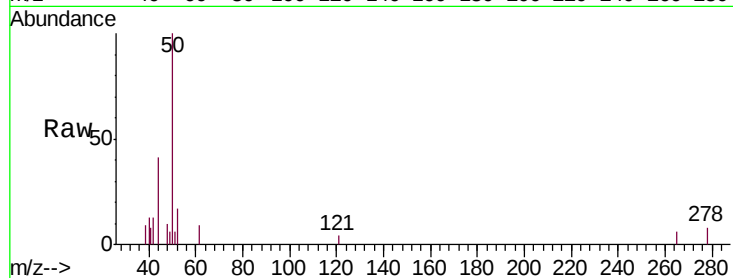
AA-1DL

Tgt Ion: 50 Resp: 2030

Ion Ratio Lower Upper

50 100

52 17.1 26.6 39.8#



#13

Ethanol

Concen: 0.061 ppbv

RT: 3.57 min Scan# 245

Delta R.T. -0.00 min

Lab File: VL034657.D

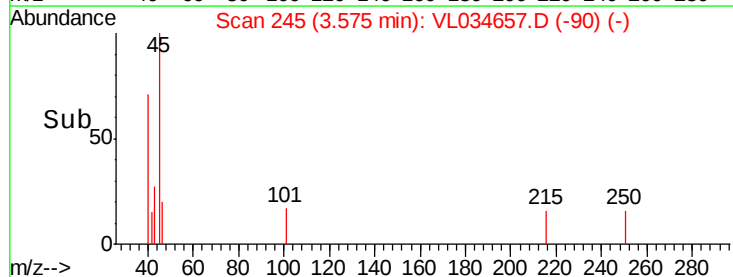
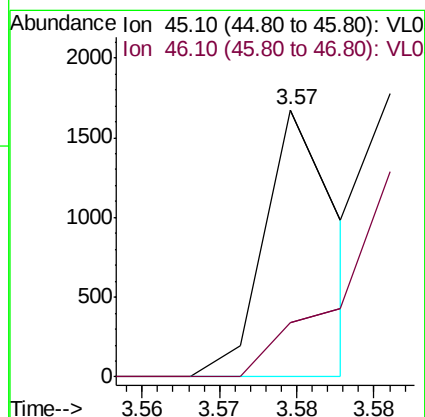
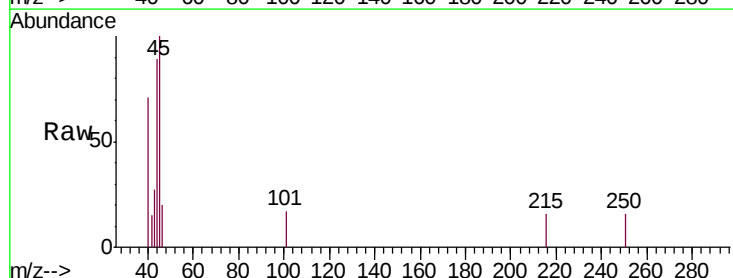
Acq: 19 Feb 2020 23:00

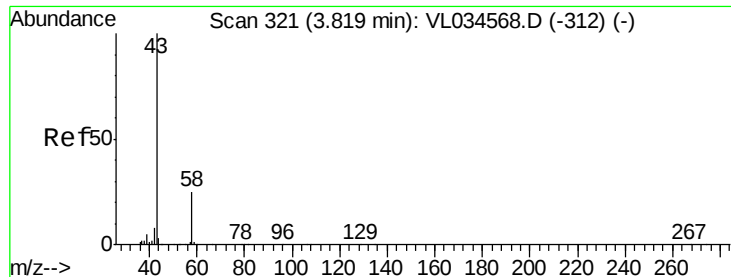
Tgt Ion: 45 Resp: 551

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.2#

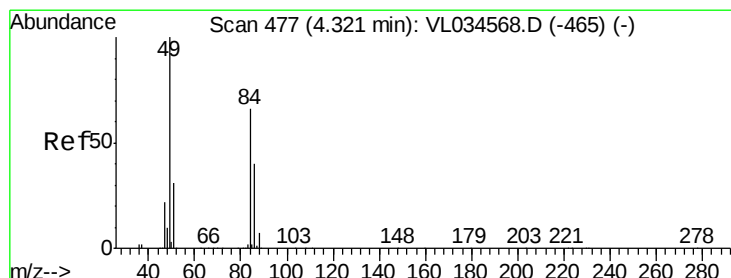
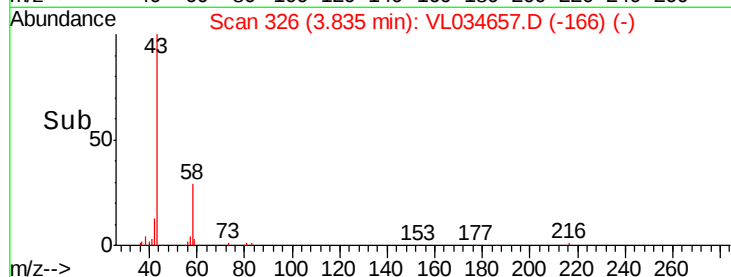
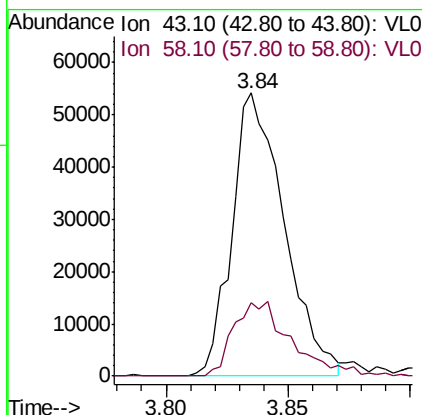
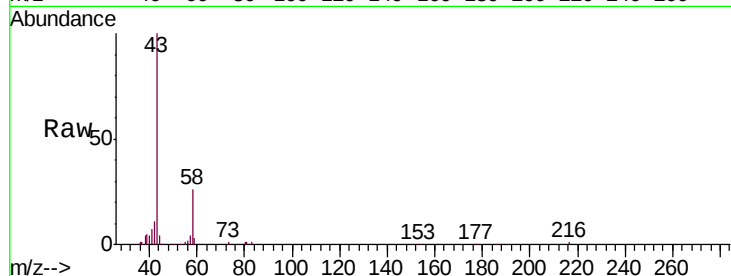




#15
Acetone
Concen: 0.761 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL034657.D
Acq: 19 Feb 2020 23:00

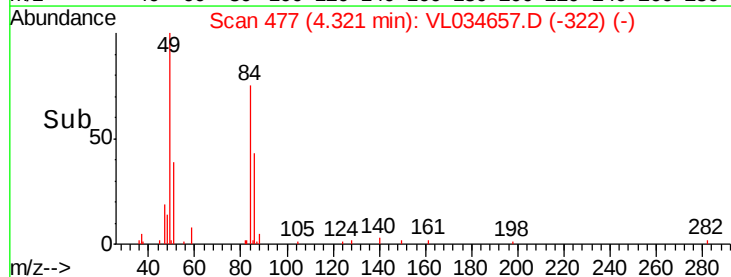
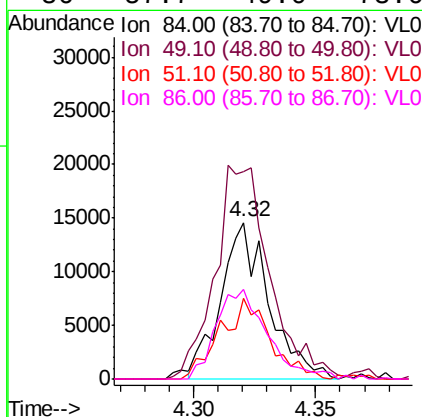
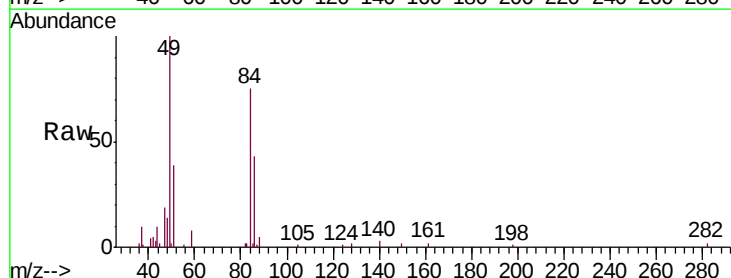
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

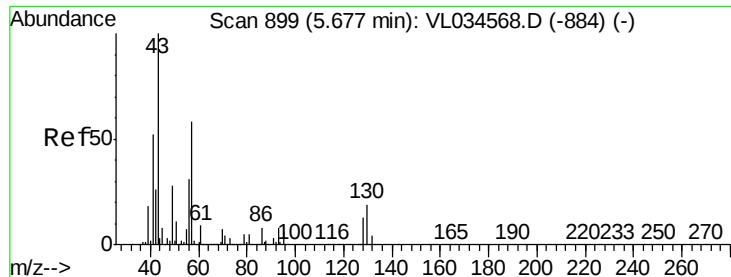
Tgt Ion: 43 Resp: 80652
Ion Ratio Lower Upper
43 100
58 29.2 20.3 30.5



#20
Methylene Chloride
Concen: 0.494 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034657.D
Acq: 19 Feb 2020 23:00

Tgt Ion: 84 Resp: 19963
Ion Ratio Lower Upper
84 100
49 133.1 122.4 183.6
51 49.3 38.6 57.8
86 57.7 49.0 73.6





#26

Hexane

Concen: 0.048 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034657.D

Acq: 19 Feb 2020 23:00

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tgt Ion: 57 Resp: 3424

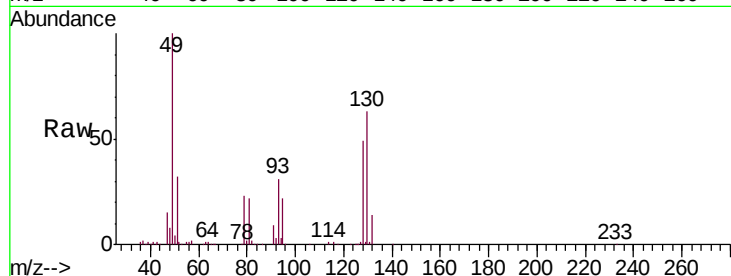
Ion Ratio Lower Upper

57 100

41 0.0 76.2 114.2#

43 0.0 189.9 284.9#

56 0.0 43.6 65.4#

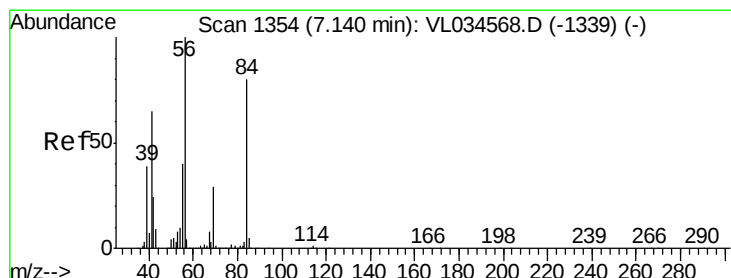
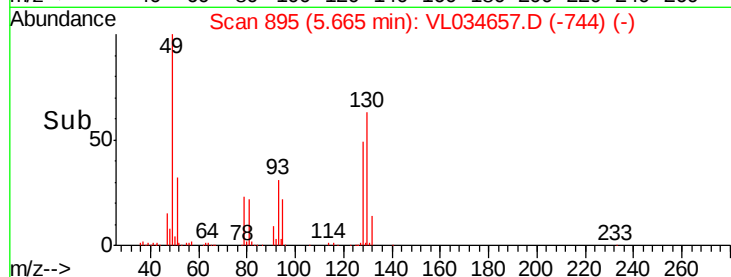
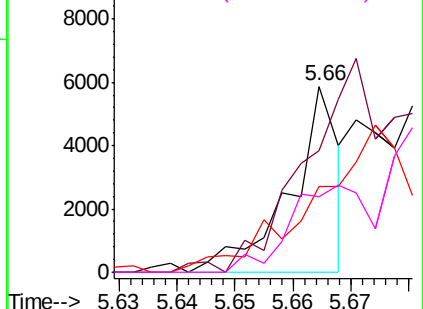


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#30

Cyclohexane

Concen: 0.073 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VL034657.D

Acq: 19 Feb 2020 23:00

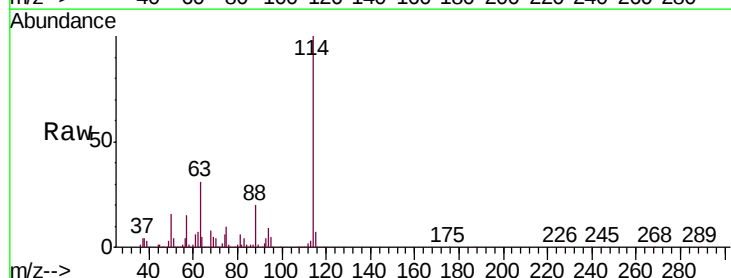
Tgt Ion: 84 Resp: 3881

Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

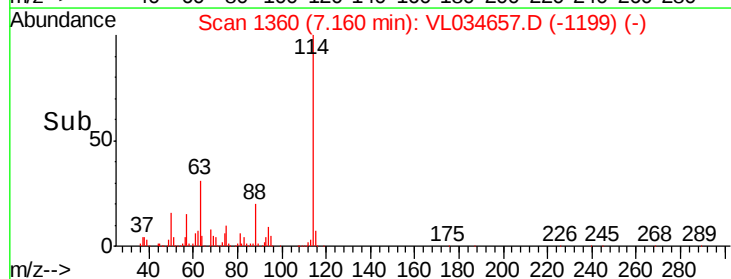
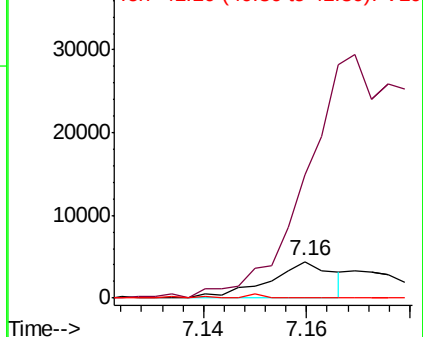
41 5.0 71.9 107.9#

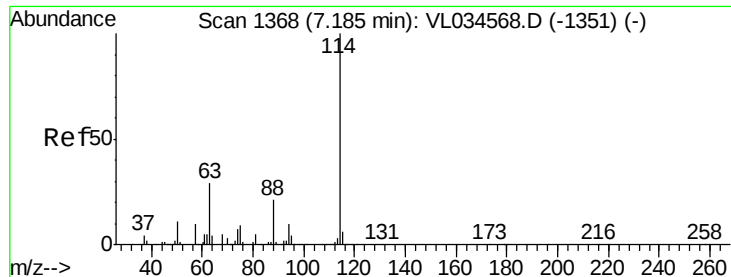


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

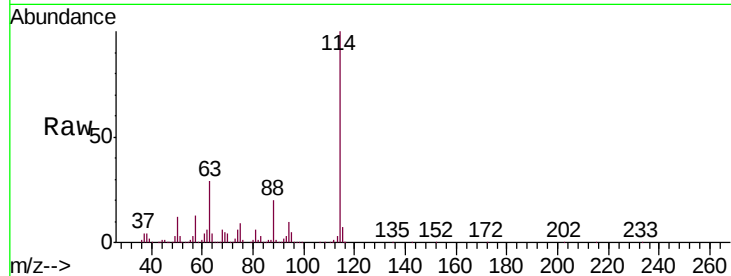




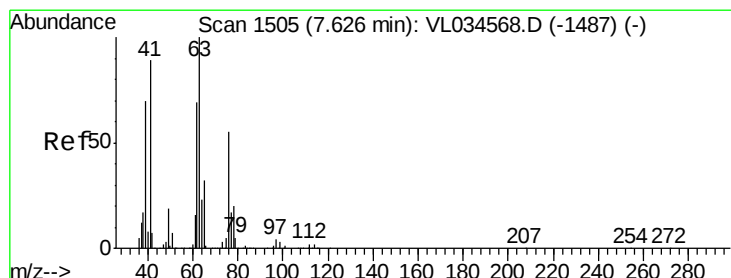
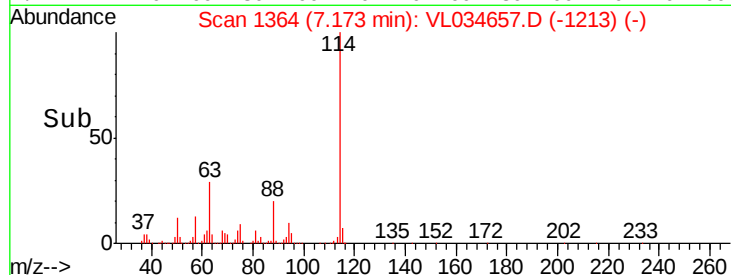
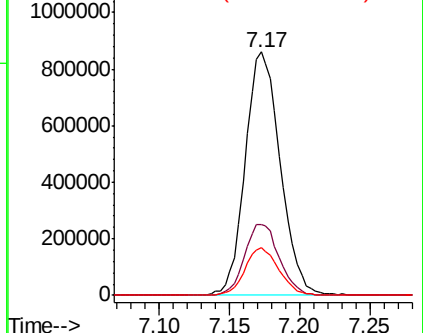
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034657.D
 Acq: 19 Feb 2020 23:00

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Tgt Ion: 114 Resp: 1498571
 Ion Ratio Lower Upper
 114 100
 63 29.0 24.1 36.1
 88 19.1 15.9 23.9

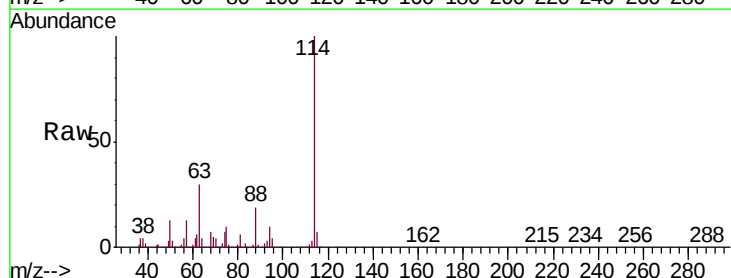


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

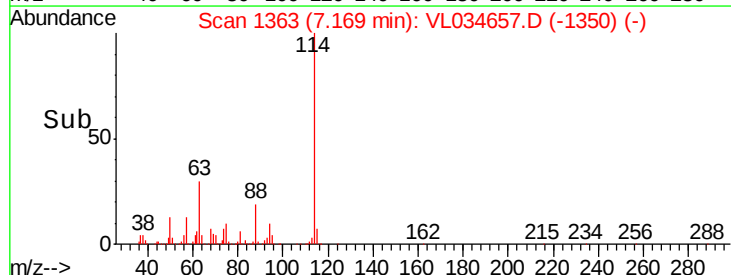
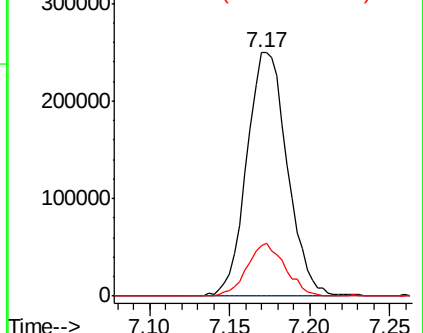


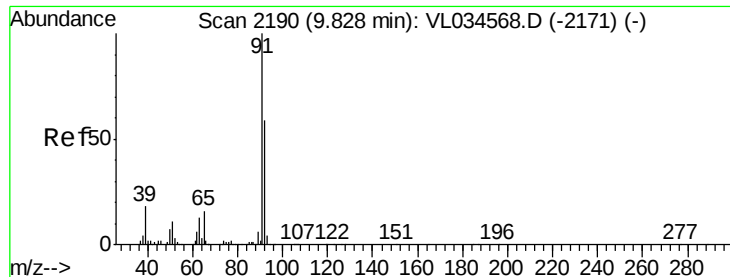
#39
 1,2-Dichloropropane
 Concen: 7.803 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.46 min
 Lab File: VL034657.D
 Acq: 19 Feb 2020 23:00

Tgt Ion: 63 Resp: 431095
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 20.8 55.4 83.0#



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





#53

Toluene

Concen: 0.041 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL034657.D

Acq: 19 Feb 2020 23:00

Instrument :

MSVOA_L

ClientSampleId :

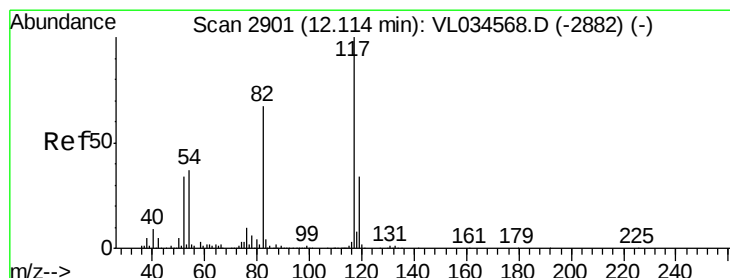
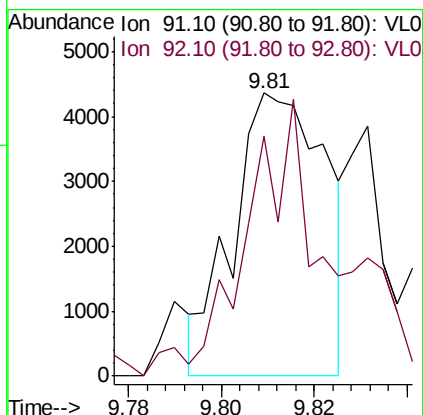
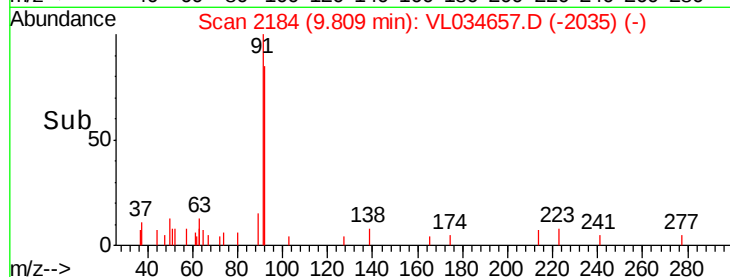
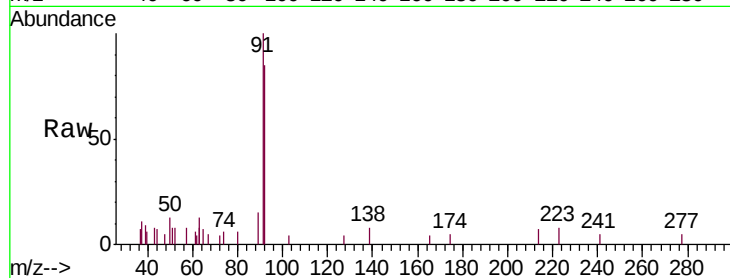
AA-1DL

Tgt Ion: 91 Resp: 6018

Ion Ratio Lower Upper

91 100

92 98.2 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL034657.D

Acq: 19 Feb 2020 23:00

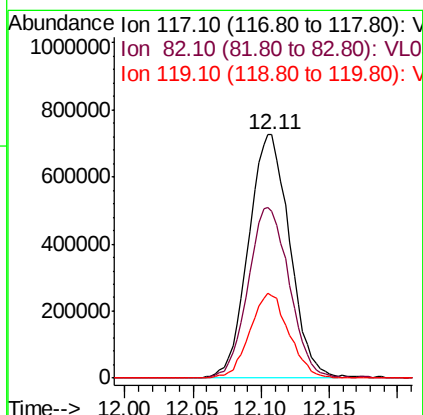
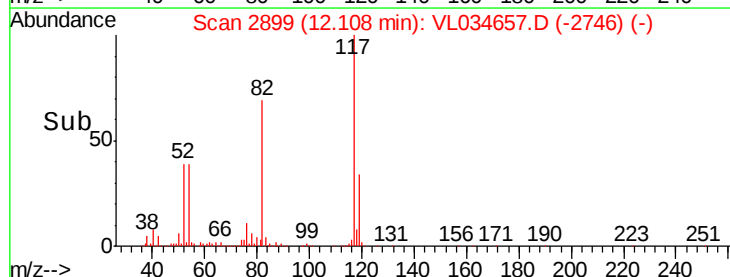
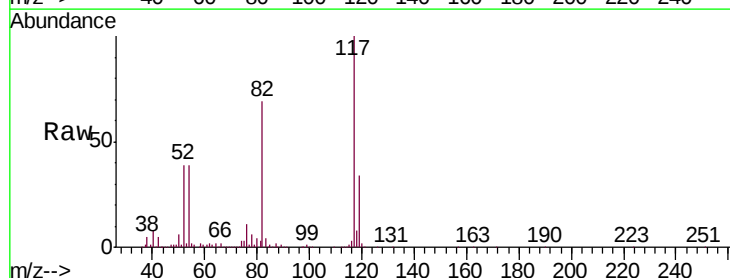
Tgt Ion: 117 Resp: 1521389

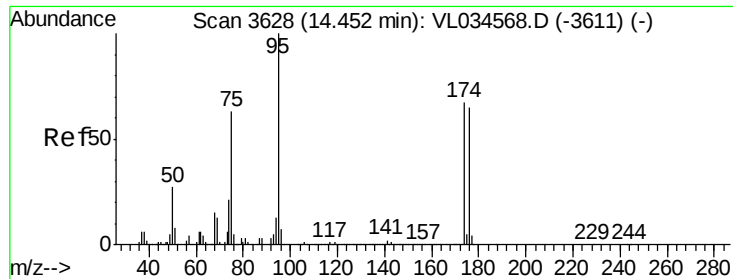
Ion Ratio Lower Upper

117 100

82 70.9 54.2 81.4

119 33.2 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.144 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034657.D

Acq: 19 Feb 2020 23:00

Instrument :

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ClientSampleId :

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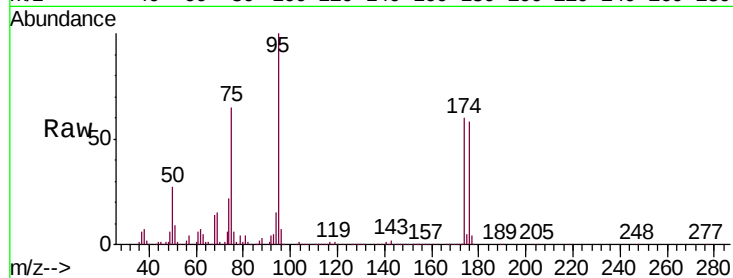
Tgt Ion: 95 Resp: 1304364

Ion Ratio Lower Upper

95 100

174 64.1 52.3 78.5

175 4.4 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

