

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034560.D
 Acq On : 27 Jan 2020 14:17
 Operator : SY/AP
 Sample : OC010620 CAN 10439
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 28 00:21:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 09 03:01:19 2020
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	936724	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1907539	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1838824	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1542871	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

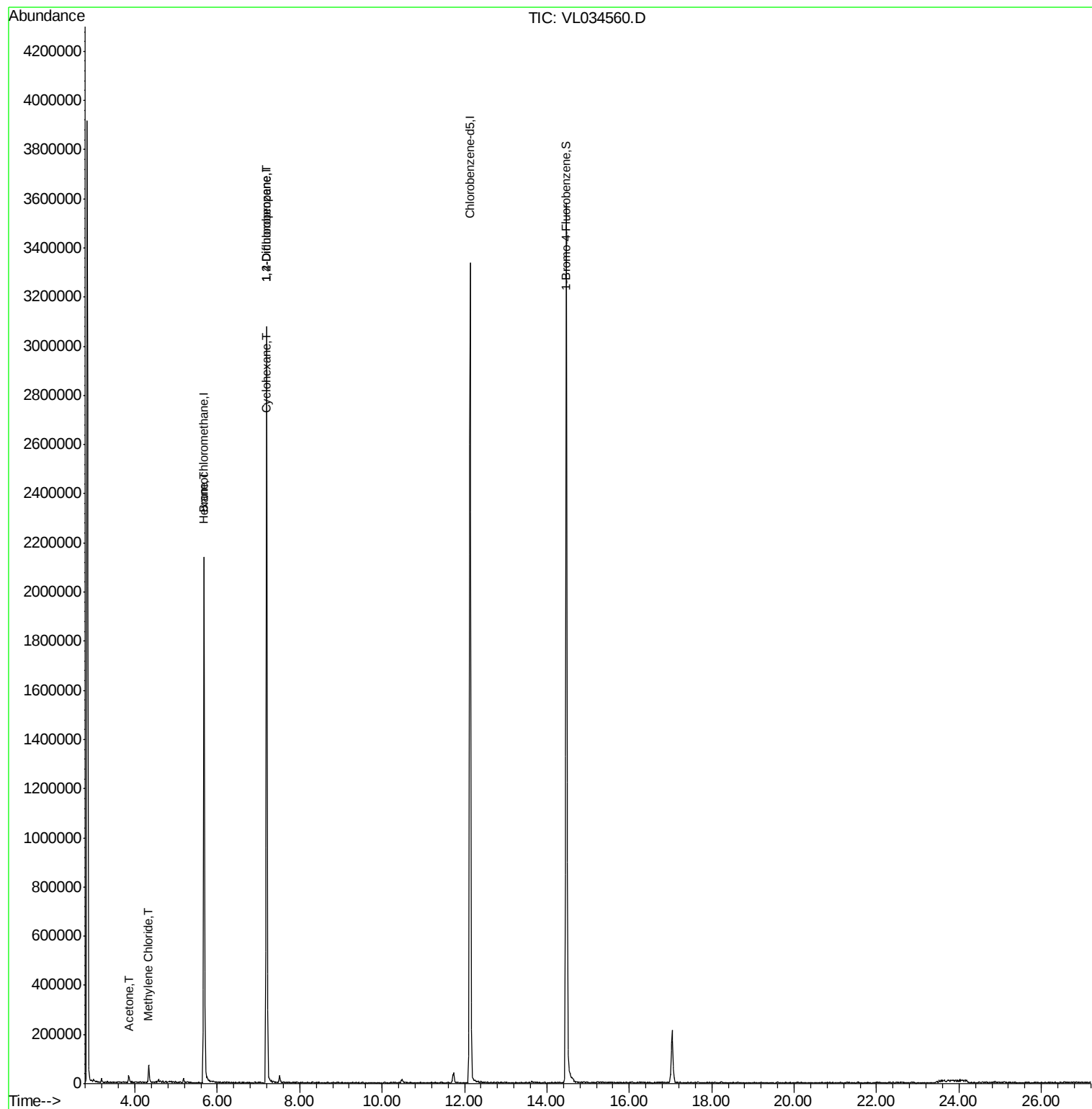
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	24919	0.182	ppbv #	72
20) Methylene Chloride	4.34	84	22996	0.428	ppbv #	84
26) Hexane	5.69	57	2280	0.025	ppbv #	1
30) Cyclohexane	7.18	84	2581	0.039	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	568325	8.312	ppbv #	23

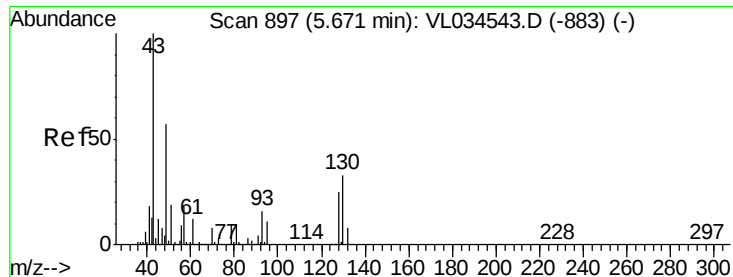
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034560.D

Acq: 27 Jan 2020 14:17

Instrument :
MSVOA_L
ClientSampled :

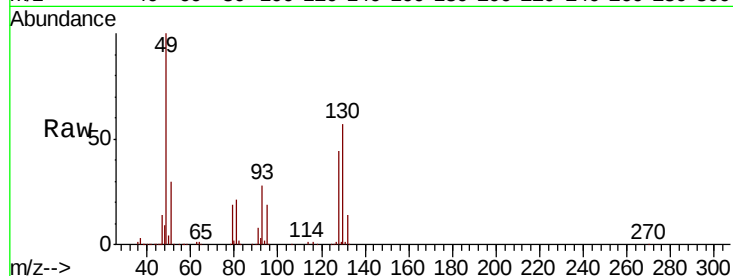
Tot Ion: 49 Resp: 936724

Ion Ratio Lower Upper

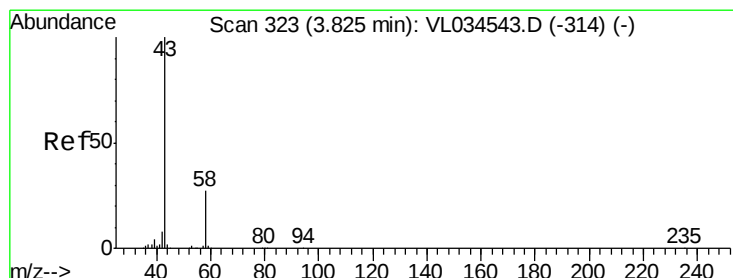
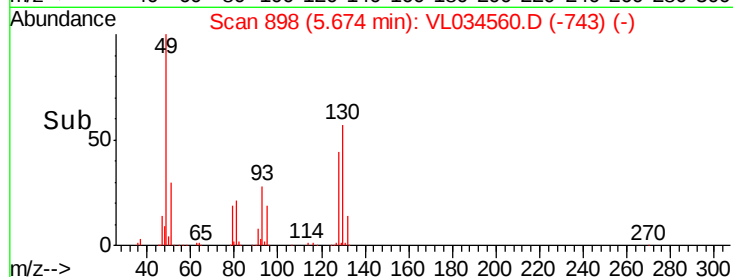
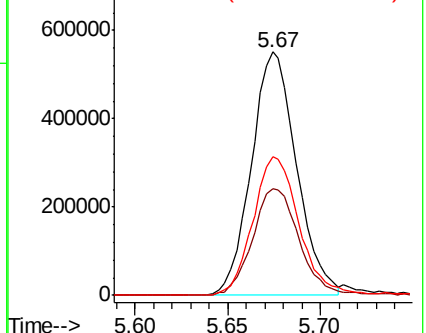
49 100

128 46.1 22.4 67.2

130 59.1 28.3 85.0



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



#15

Acetone

Concen: 0.182 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL034560.D

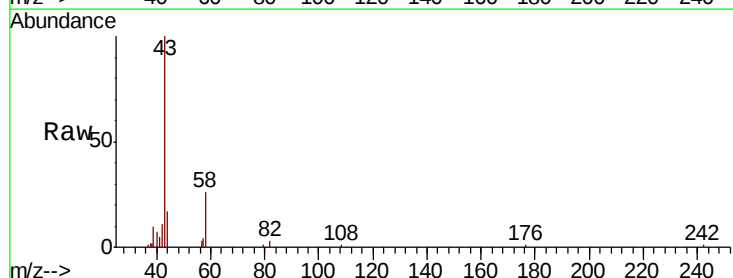
Acq: 27 Jan 2020 14:17

Tgt Ion: 43 Resp: 24919

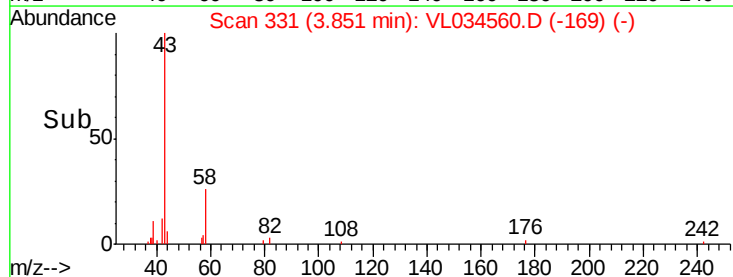
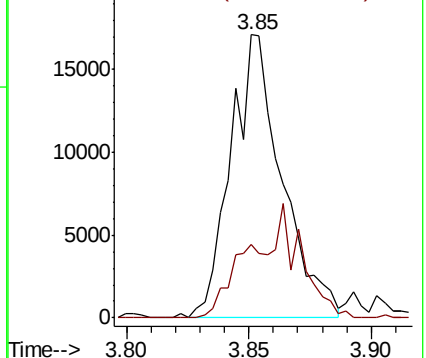
Ion Ratio Lower Upper

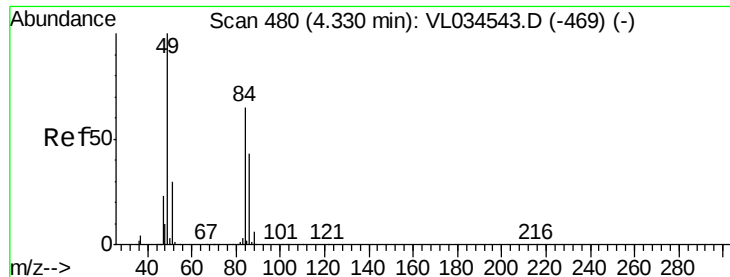
43 100

58 39.8 20.4 30.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

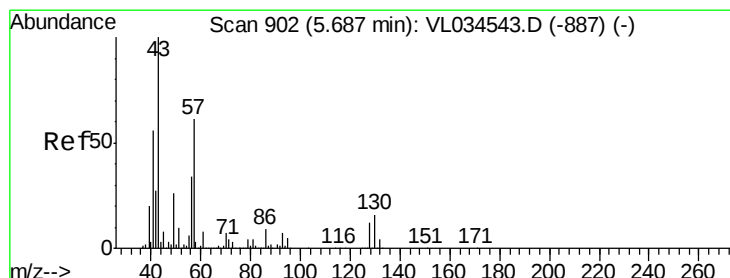
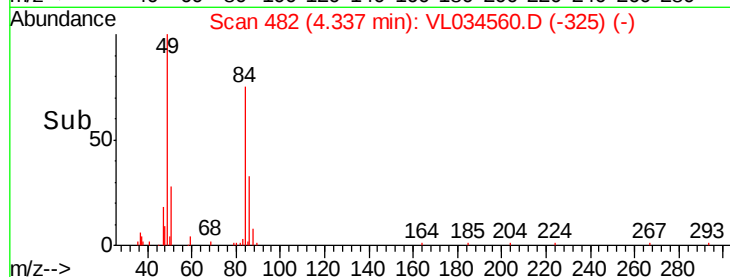
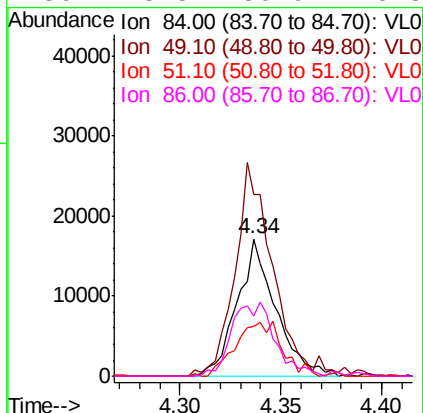
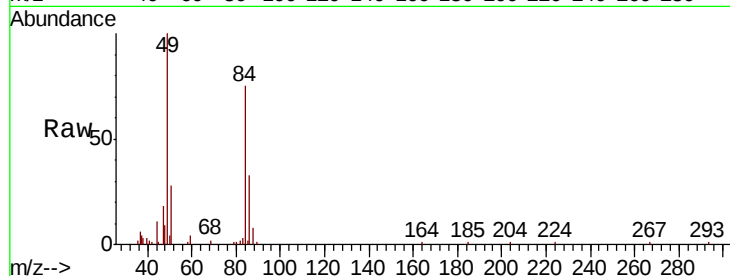




#20
Methvlene Chloride
Concen: 0.428 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL034560.D
Acq: 27 Jan 2020 14:17

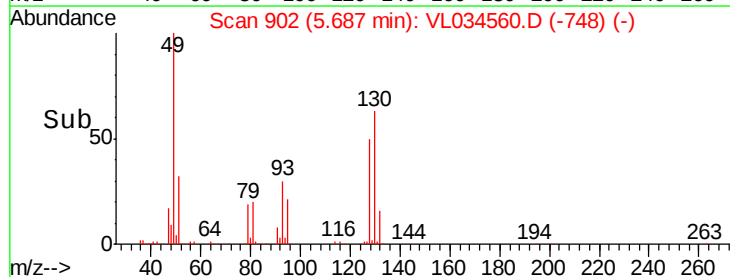
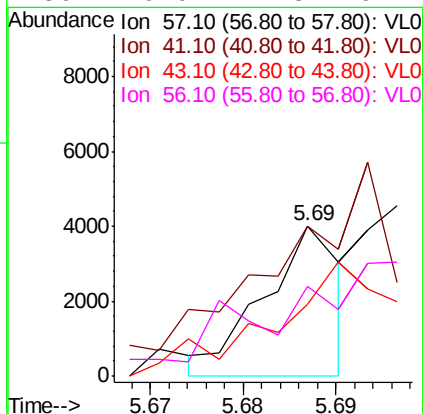
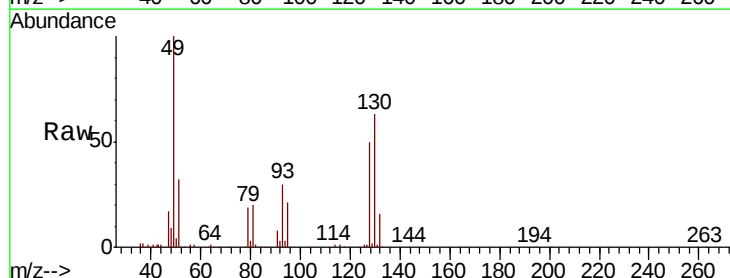
Instrument :
MSVOA_L
ClientSampleId :

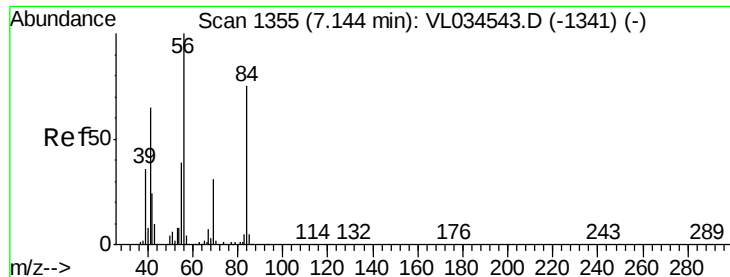
Tot Ion: 84 Resp: 22996
Ion Ratio Lower Upper
84 100
49 138.3 124.4 186.6
51 36.8 37.0 55.6#
86 43.5 50.9 76.3#



#26
Hexane
Concen: 0.025 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034560.D
Acq: 27 Jan 2020 14:17

Tgt Ion: 57 Resp: 2280
Ion Ratio Lower Upper
57 100
41 0.0 75.3 112.9#
43 0.0 189.4 284.2#
56 0.0 42.8 64.2#

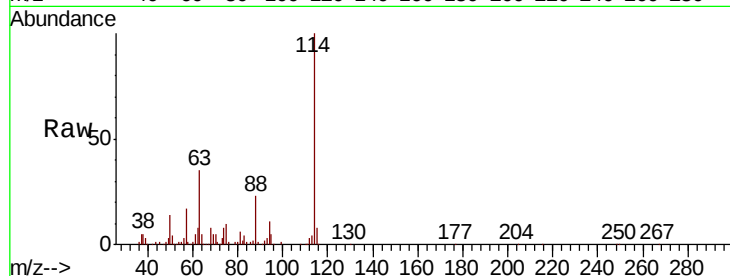




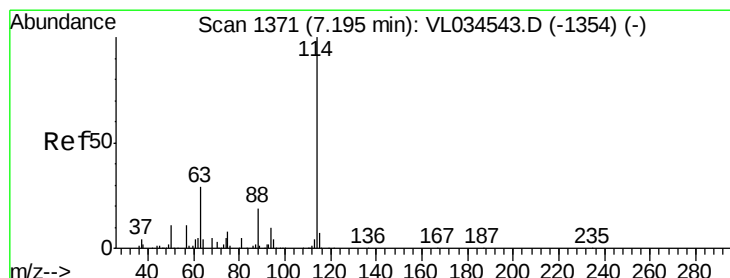
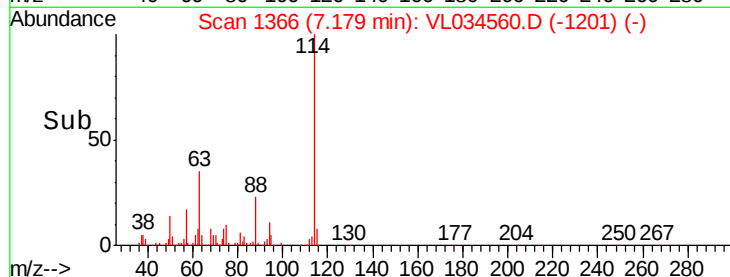
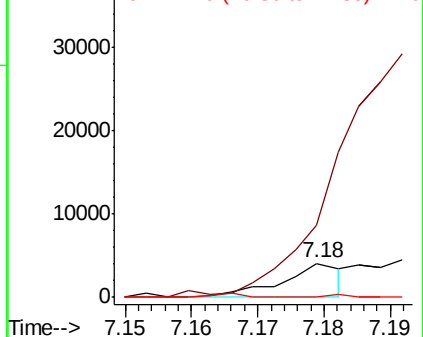
#30
Cyclohexane
Concen: 0.039 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.03 min
Lab File: VL034560.D
Acq: 27 Jan 2020 14:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 2581
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 0.0 73.0 109.4#

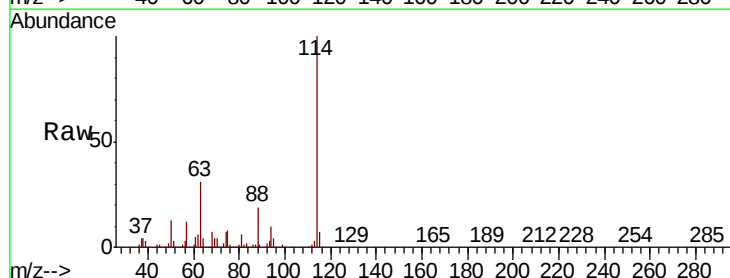


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

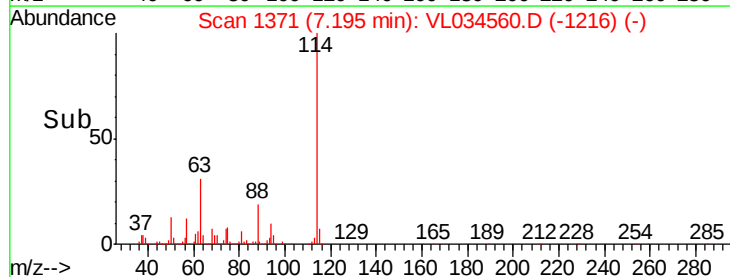
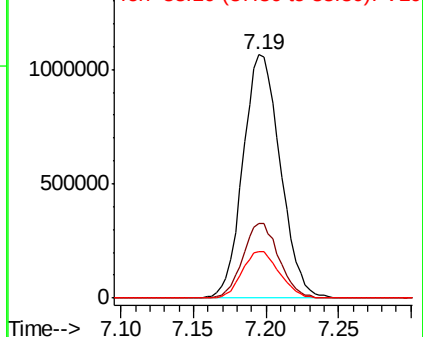


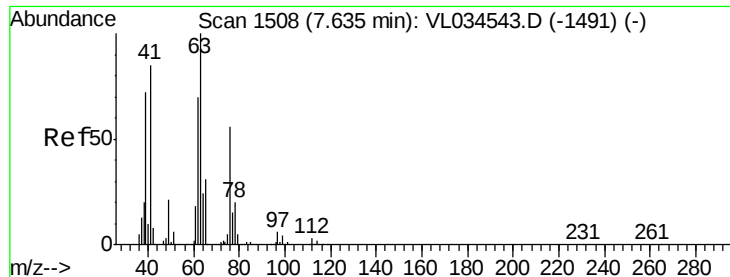
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VL034560.D
Acq: 27 Jan 2020 14:17

Tgt Ion: 114 Resp: 1907539
Ion Ratio Lower Upper
114 100
63 29.9 24.1 36.1
88 19.2 15.7 23.5



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: 8.312 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.44 min

Lab File: VL034560.D

Acq: 27 Jan 2020 14:17

Instrument :

MSVOA_L

ClientSampleId :

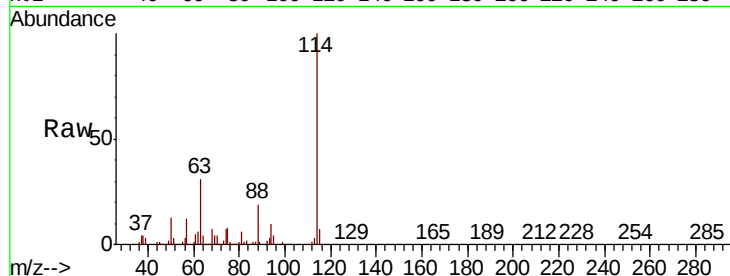
Tot Ion: 63 Resp: 568325

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

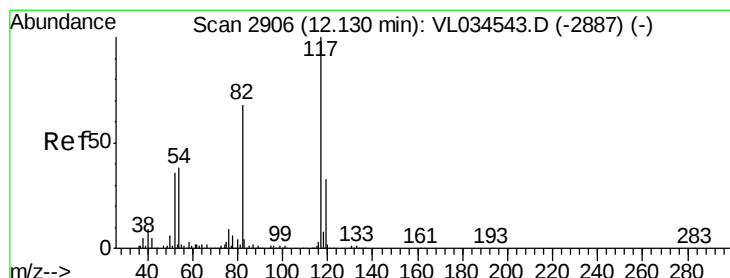
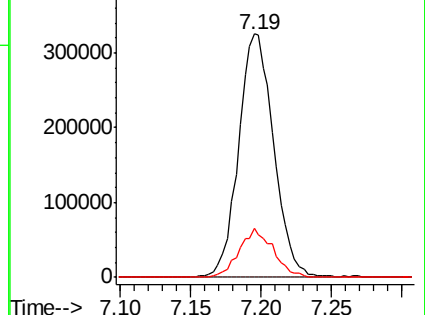
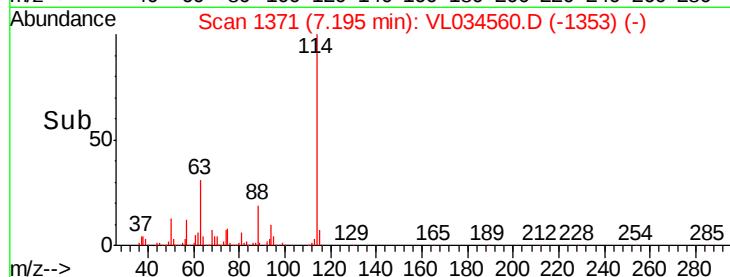
62 19.8 54.9 82.3#



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: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL034560.D

Acq: 27 Jan 2020 14:17

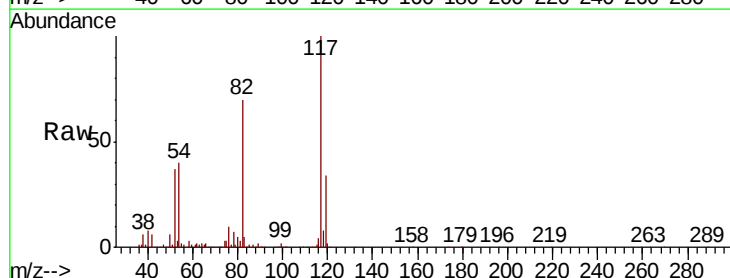
Tgt Ion: 117 Resp: 1838824

Ion Ratio Lower Upper

117 100

82 71.0 56.2 84.4

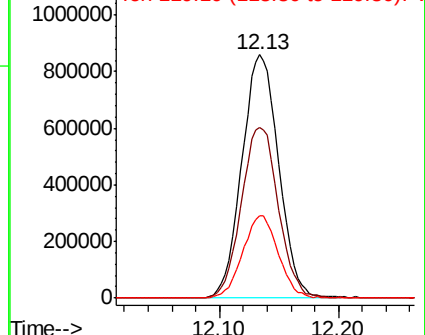
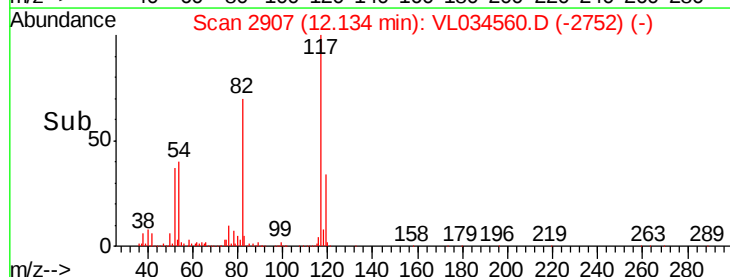
119 33.0 27.1 40.7

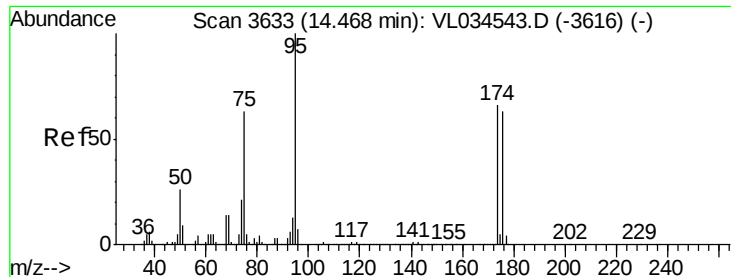


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.055 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VL034560.D

Acq: 27 Jan 2020 14:17

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1542871

Ion Ratio Lower Upper

95 100

174 64.8 52.4 78.6

175 4.7 3.9 5.9

