

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033534.D
 Acq On : 4 Apr 2019 15:43
 Operator : SY/AP
 Sample : QC040319 CAN 10284
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040319 CAN 10284

Quant Time: Apr 05 02:21:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1242378	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2815620	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2968859	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2328267	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

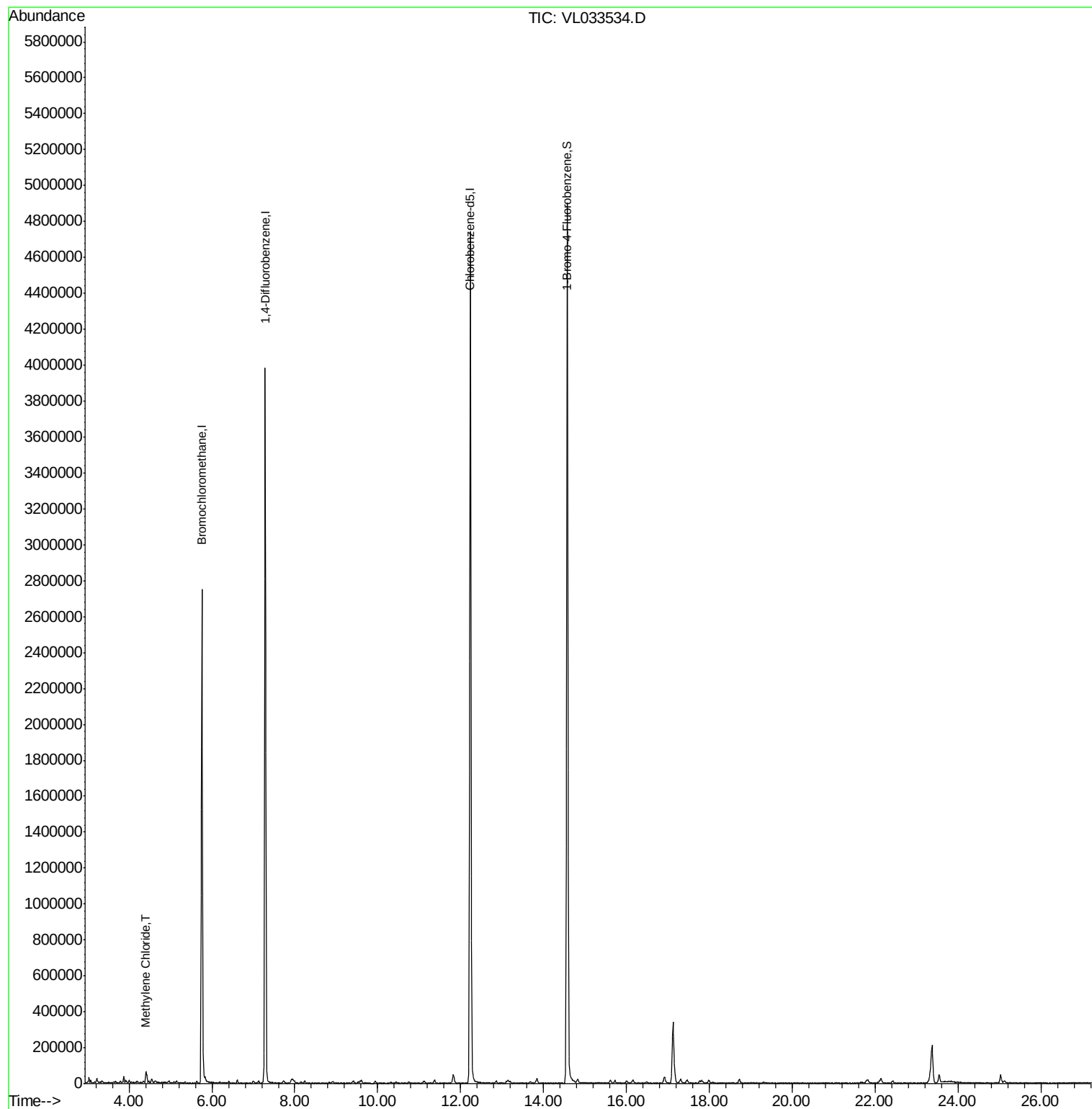
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.41	84	18701	0.295	ppbv	86

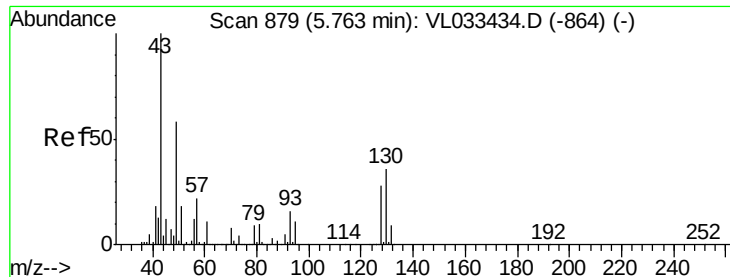
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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QC040319 CAN 10284

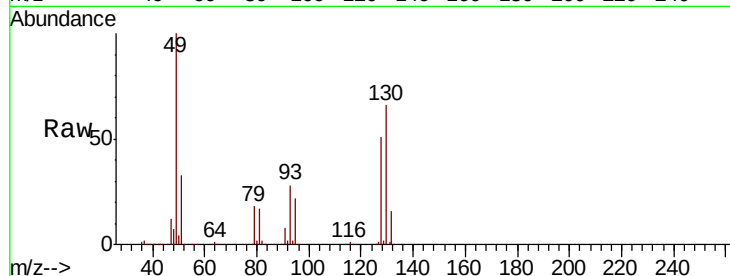
Tot Ion: 49 Resp: 1242378

Ion Ratio Lower Upper

49 100

128 49.0 24.0 72.0

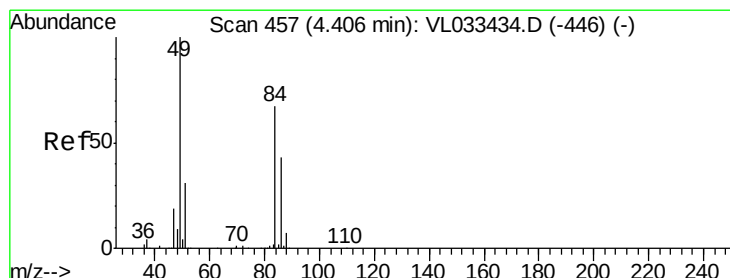
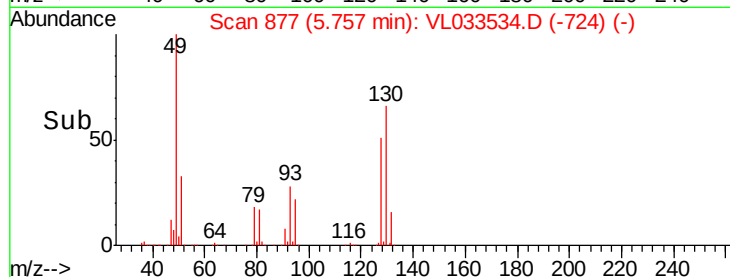
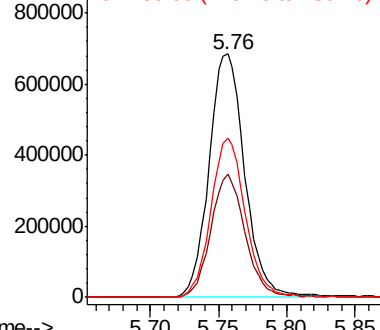
130 64.1 31.2 93.6



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



#20

Methylene Chloride

Concen: 0.295 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033534.D

Acq: 4 Apr 2019 15:43

Tgt Ion: 84 Resp: 18701

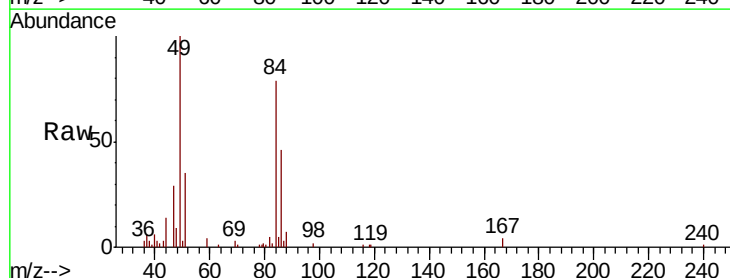
Ion Ratio Lower Upper

84 100

49 125.8 120.0 180.0

51 44.1 36.7 55.1

86 56.9 51.9 77.9

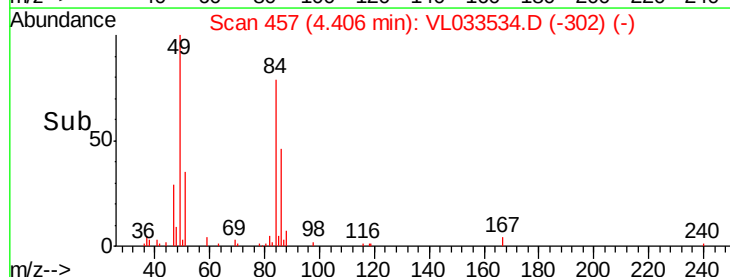
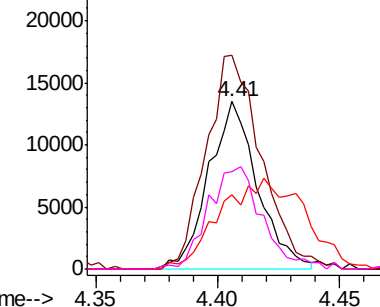


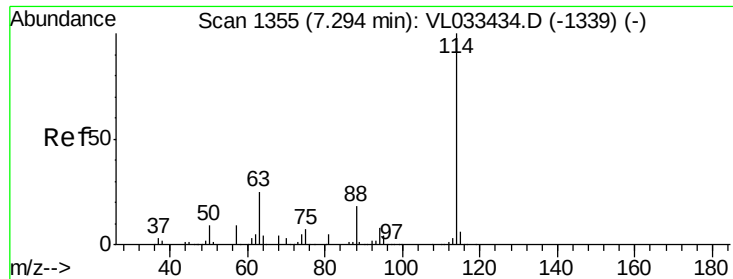
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

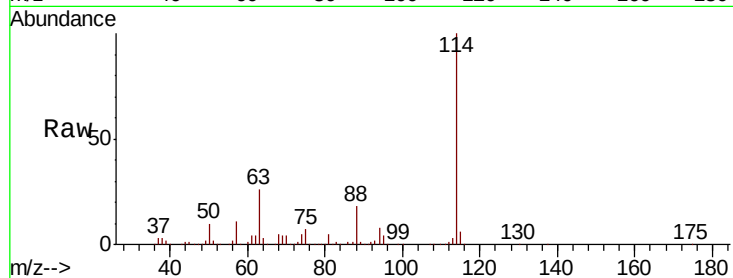




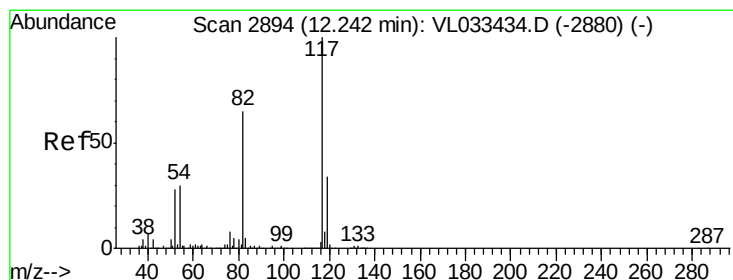
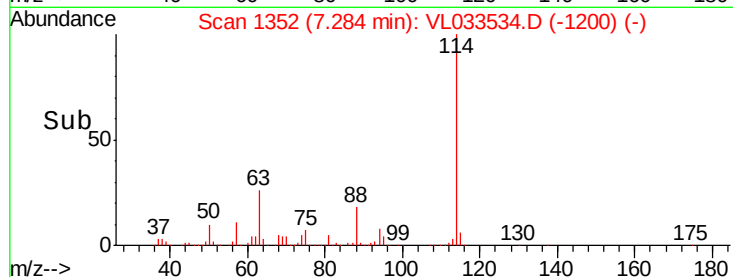
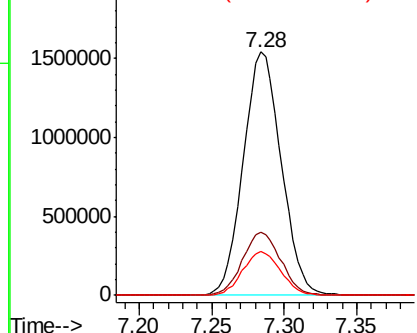
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033534.D
 Acq: 4 Apr 2019 15:43

Instrument :
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 QC040319 CAN 10284

Tot Ion:114 Resp: 2815620
 Ion Ratio Lower Upper
 114 100
 63 26.0 21.5 32.3
 88 18.1 14.5 21.7

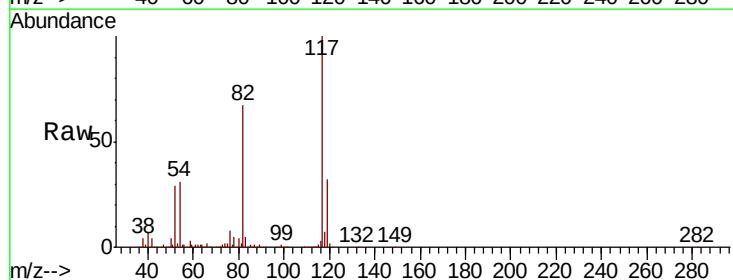


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

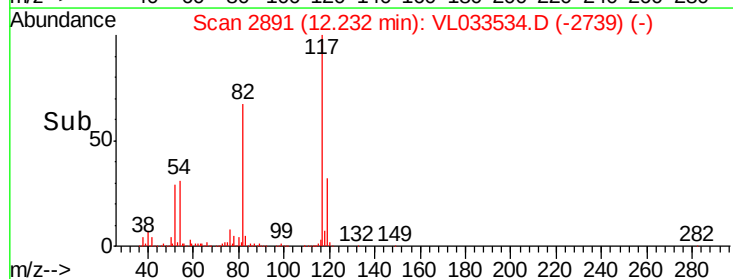
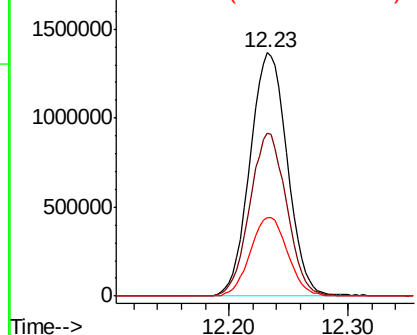


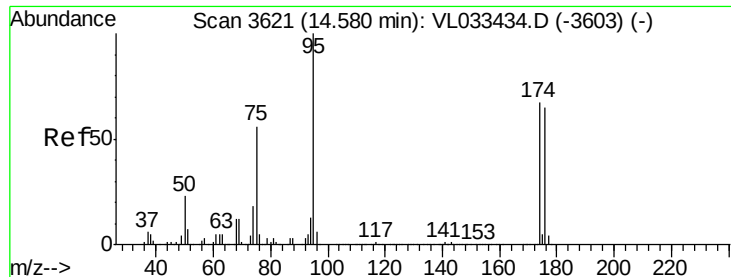
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.23 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: VL033534.D
 Acq: 4 Apr 2019 15:43

Tgt Ion:117 Resp: 2968859
 Ion Ratio Lower Upper
 117 100
 82 66.5 51.5 77.3
 119 32.5 25.5 38.3



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: 10.003 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

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Acq: 4 Apr 2019 15:43

Instrument :

MSVOA_L

ClientSampleId :

QC040319 CAN 10284

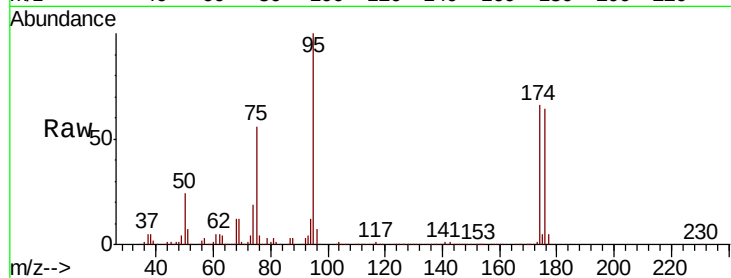
Tot Ion: 95 Resp: 2328267

Ion Ratio Lower Upper

95 100

174 66.9 52.9 79.3

175 4.8 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

