

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033670.D
 Acq On : 6 May 2019 22:27
 Operator : SY/AP
 Sample : OC042519 CAN 10199
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	839527	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1907869	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2003896	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1687782	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

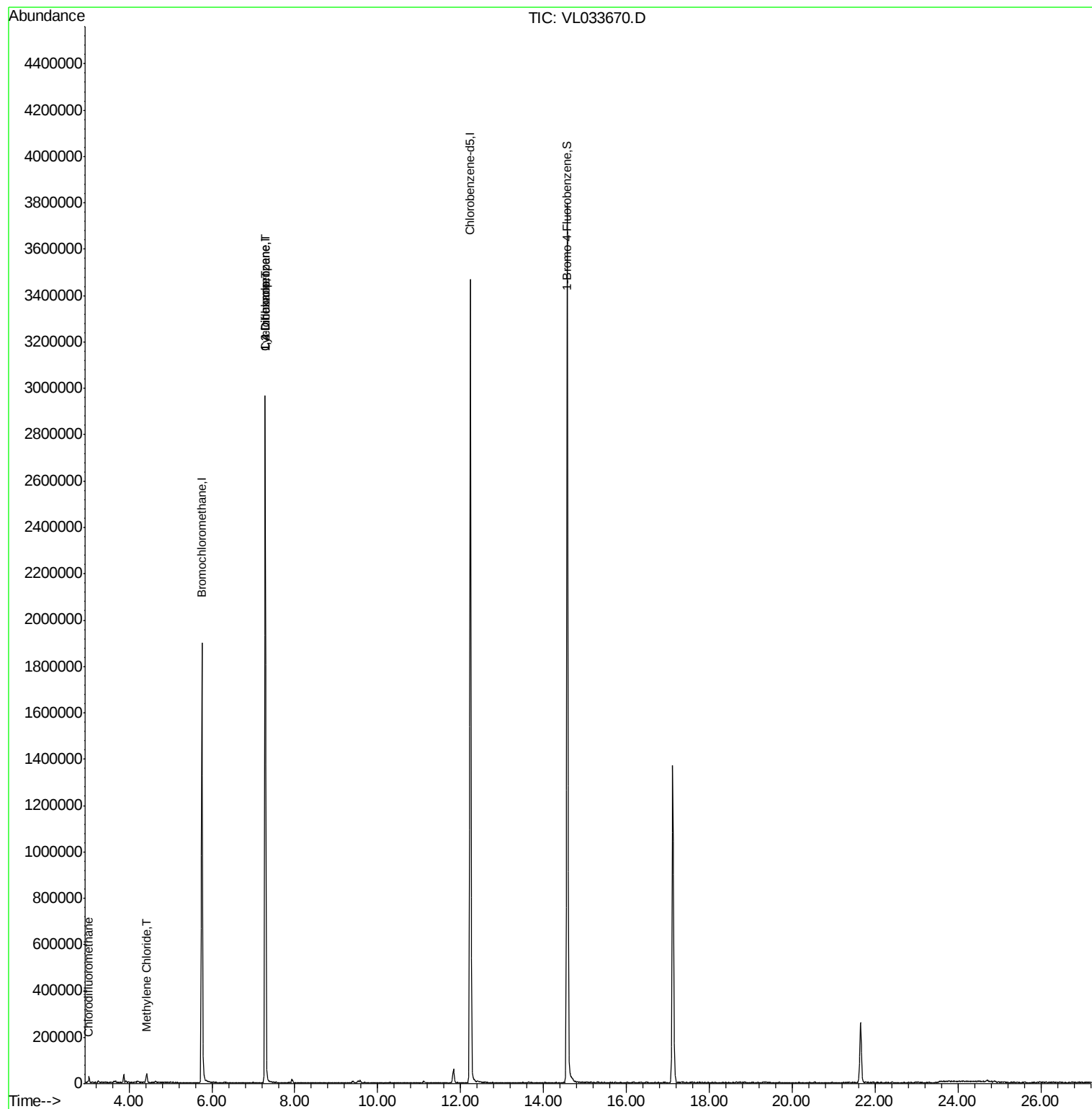
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	1704	0.014	ppbv	95
20) Methylene Chloride	4.40	84	4496	0.095	ppbv #	68
30) Cyclohexane	7.27	84	4642	0.063	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	513547	8.054	ppbv #	23

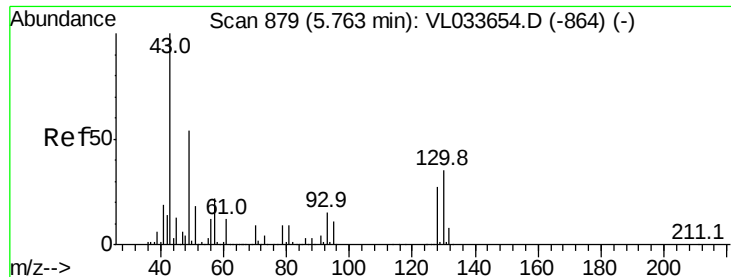
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033670.D

Acq: 6 May 2019 22:27

Instrument :

MSVOA_L

ClientSampleId :

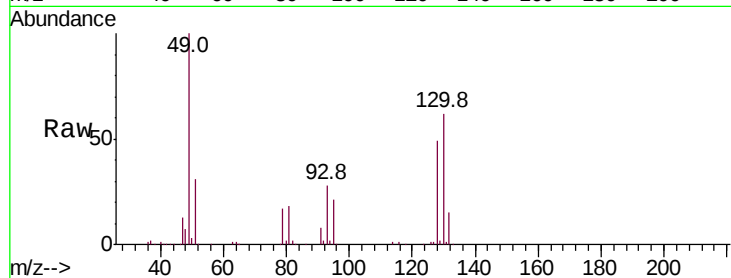
Tot Ion: 49 Resp: 839527

Ion Ratio Lower Upper

49 100

128 49.7 24.8 74.3

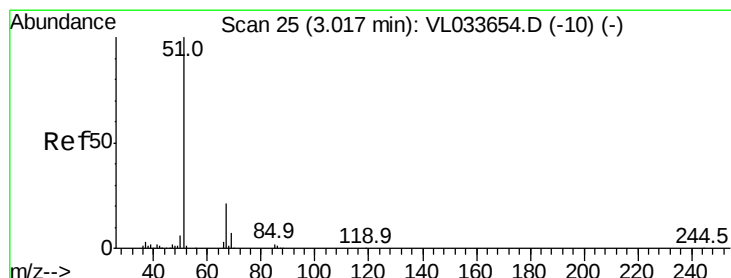
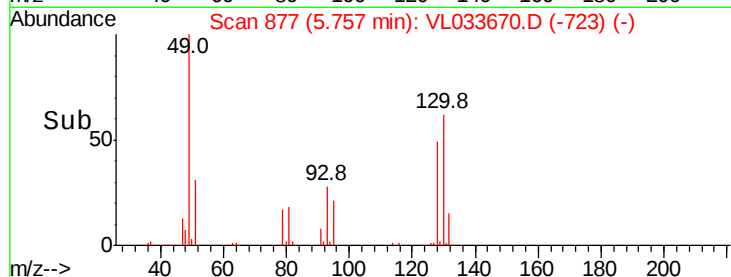
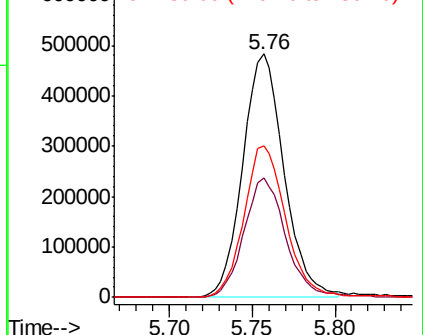
130 63.3 32.1 96.5



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: 0.014 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033670.D

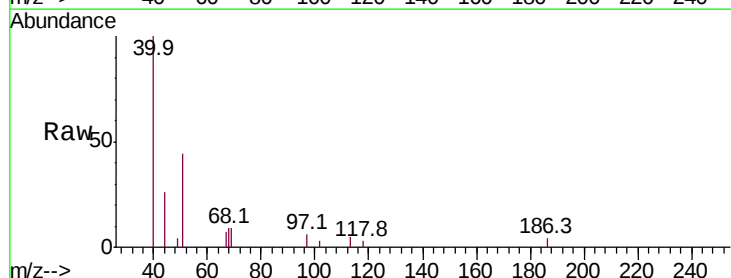
Acq: 6 May 2019 22:27

Tgt Ion: 51 Resp: 1704

Ion Ratio Lower Upper

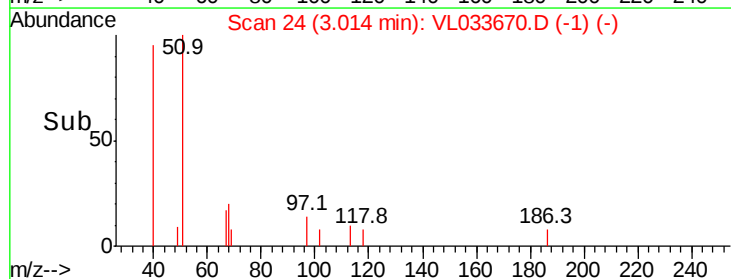
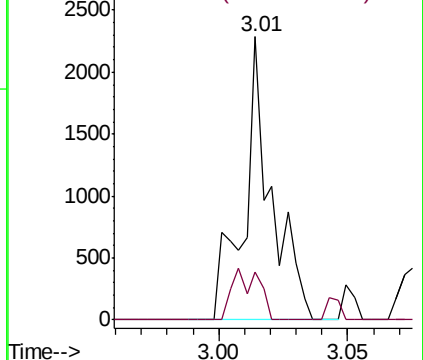
51 100

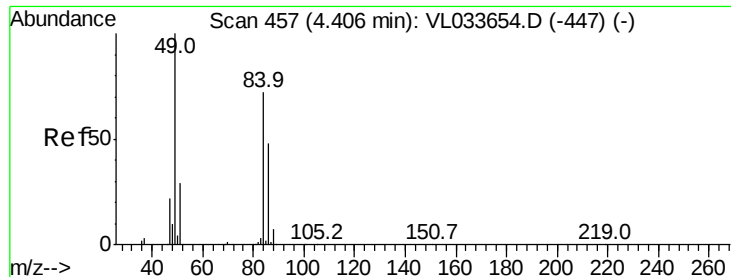
67 17.1 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#20

Methylene Chloride

Concen: 0.095 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033670.D

Acq: 6 May 2019 22:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 4496

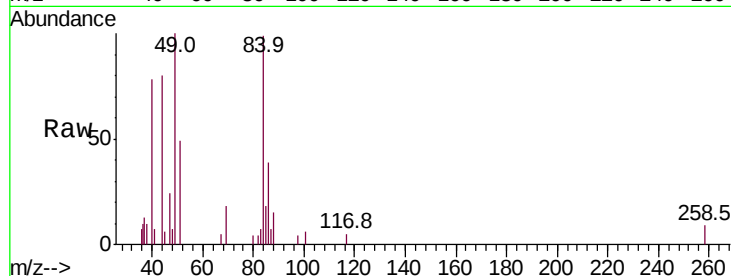
Ion Ratio Lower Upper

84 100

49 96.1 111.8 167.6#

51 45.5 32.3 48.5

86 36.0 53.9 80.9#

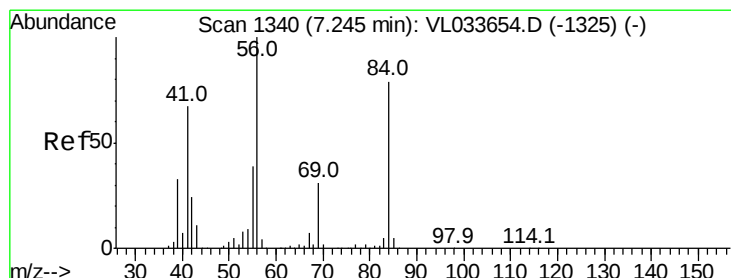
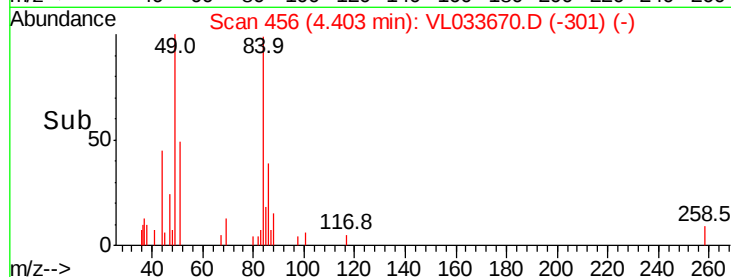
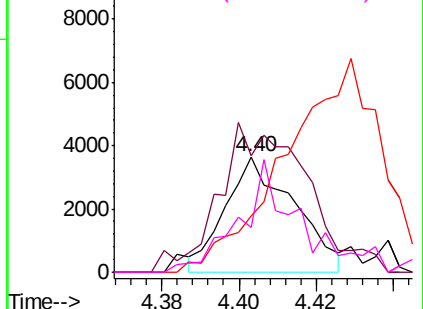


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#30

Cyclohexane

Concen: 0.063 ppbv

RT: 7.27 min Scan# 1349

Delta R.T. 0.03 min

Lab File: VL033670.D

Acq: 6 May 2019 22:27

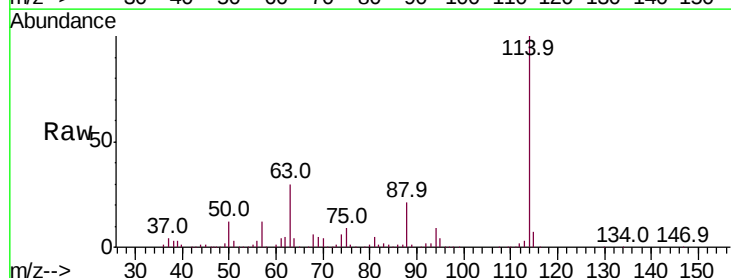
Tgt Ion: 84 Resp: 4642

Ion Ratio Lower Upper

84 100

56 0.0 107.0 160.4#

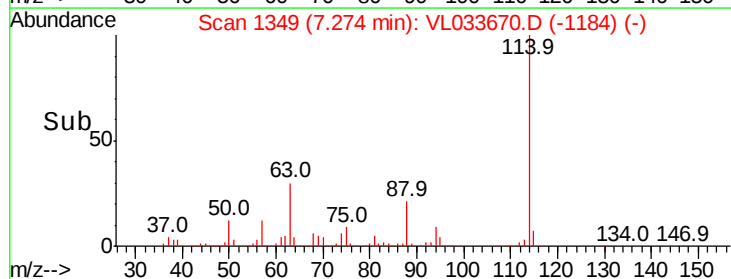
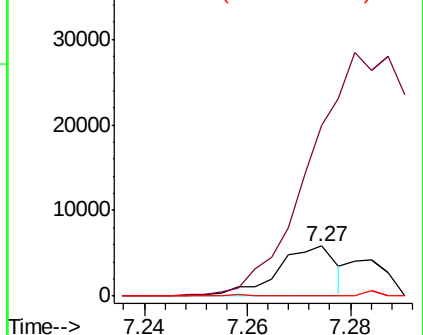
41 1.1 66.6 99.8#

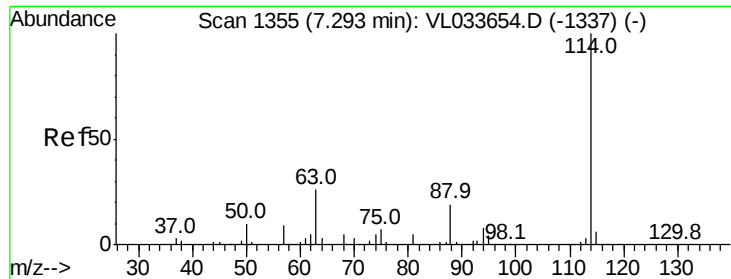


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

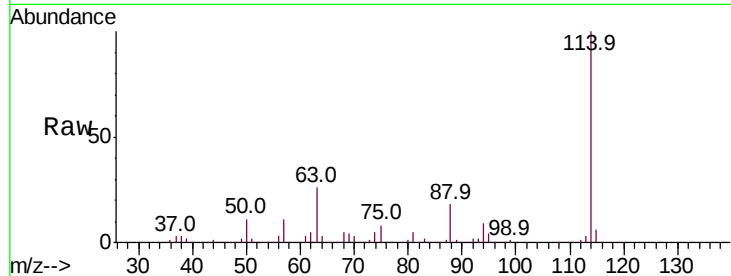




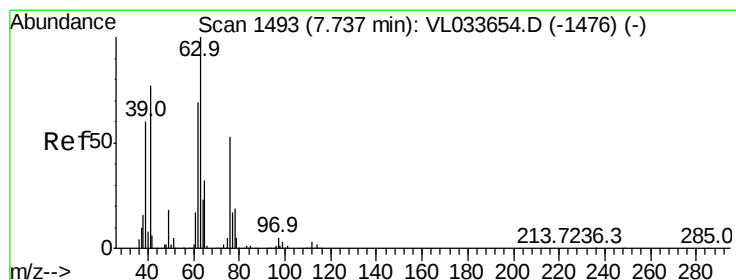
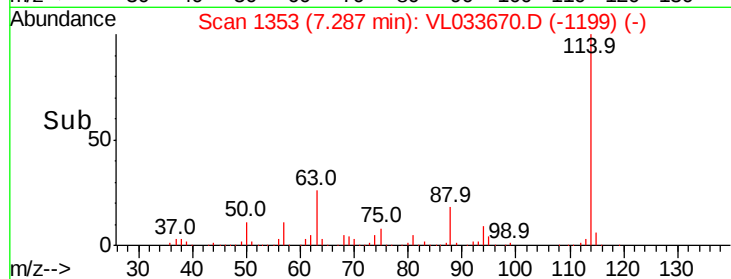
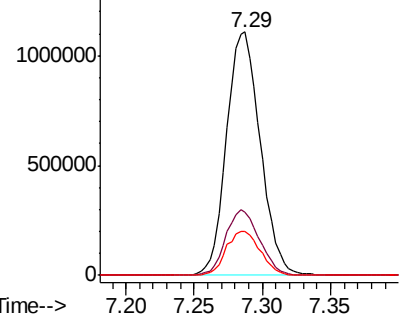
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033670.D
 Acq: 6 May 2019 22:27

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 1907869
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.3 31.9
 88 18.5 14.4 21.6

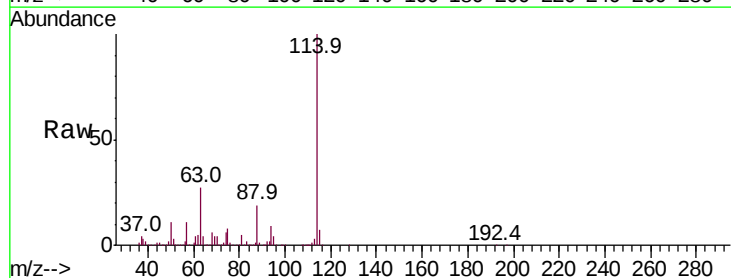


Abundance Ion 114.10 (113.80 to 114.80): VL0
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

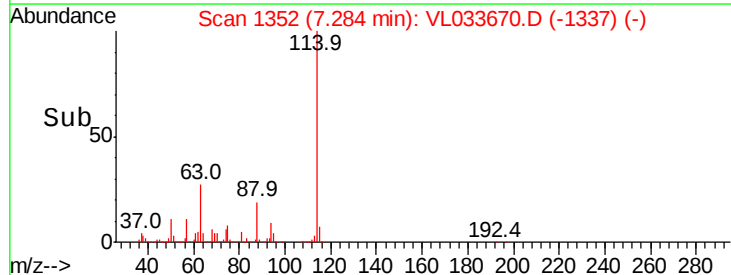
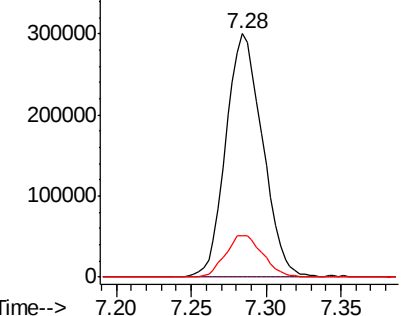


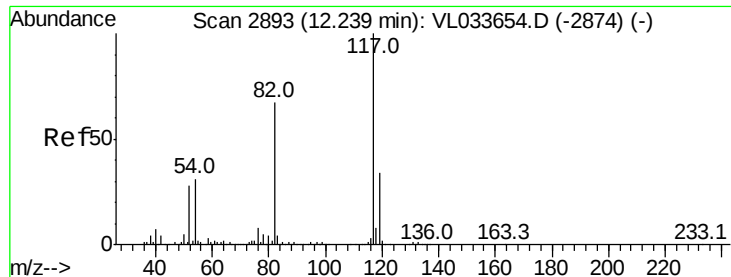
#39
 1,2-Dichloropropane
 Concen: 8.054 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033670.D
 Acq: 6 May 2019 22:27

Tgt Ion: 63 Resp: 513547
 Ion Ratio Lower Upper
 63 100
 41 0.2 61.6 92.4#
 62 16.9 55.0 82.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 400000 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

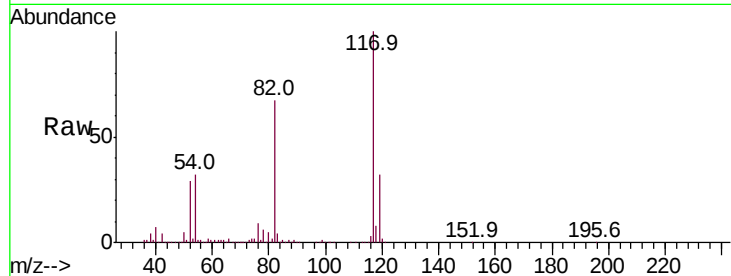




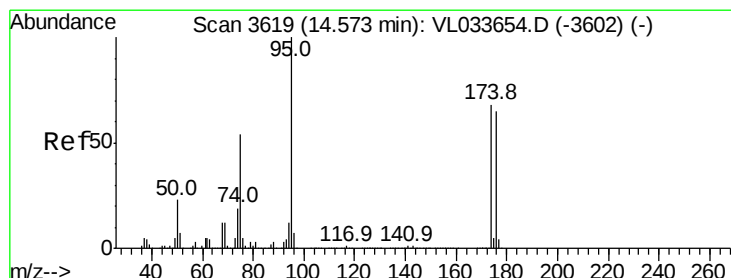
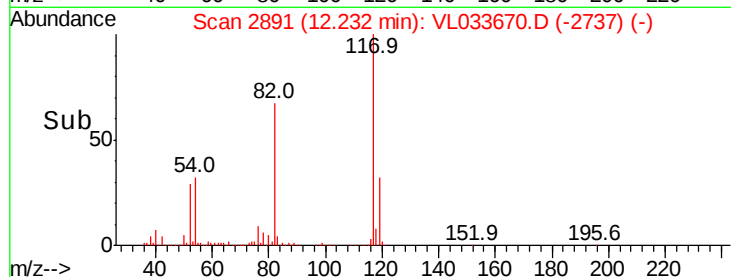
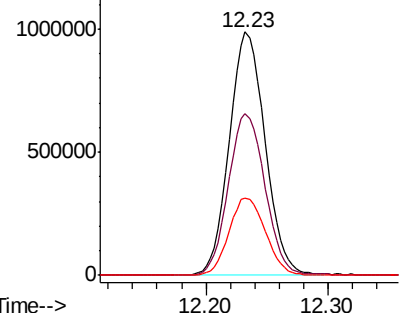
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033670.D
Acq: 6 May 2019 22:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2003896
Ion Ratio Lower Upper
117 100
82 68.5 49.7 74.5
119 32.7 24.8 37.2

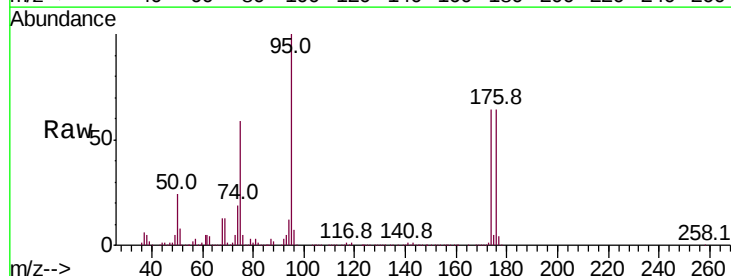


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.275 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033670.D
Acq: 6 May 2019 22:27

Tgt Ion: 95 Resp: 1687782
Ion Ratio Lower Upper
95 100
174 66.7 54.0 81.0
175 4.9 3.8 5.8



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

