

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032956.D
 Acq On : 11 Dec 2018 16:00
 Operator : SY/AP
 Sample : OC120518 CAN 10332
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 00:50:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1253318	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3108726	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2804640	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2089697	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

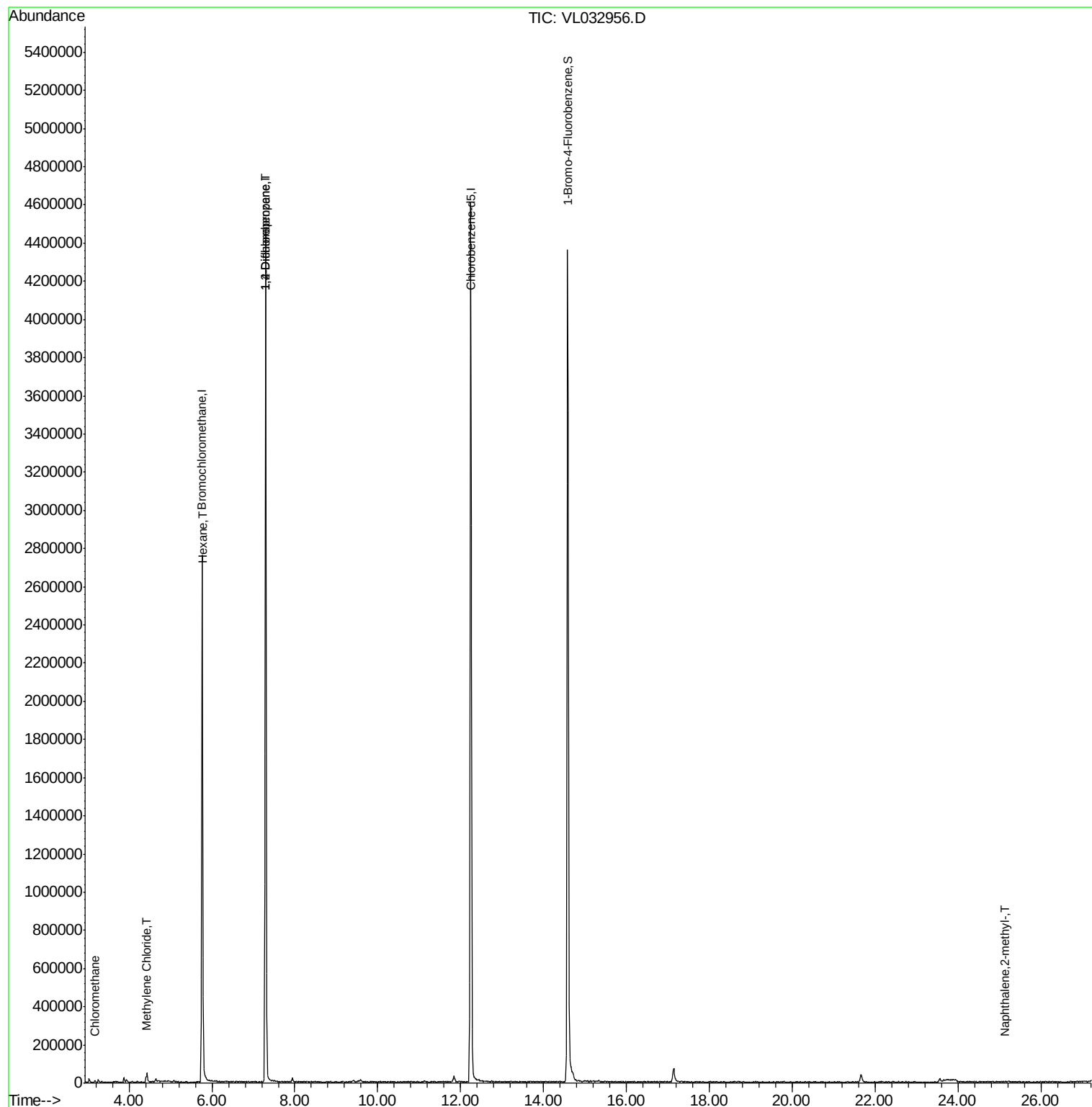
Target Compounds					Ovalue
4) Chloromethane	3.17	50	7709	0.140	ppbv 88
20) Methylene Chloride	4.41	84	10669	0.203	ppbv # 80
26) Hexane	5.78	57	3566	0.030	ppbv # 30
39) 1,2-Dichloropropane	7.29	63	768215	8.859	ppbv # 21
80) Naphthalene,2-methyl-	25.12	142	1406	0.030	ppbv # 73

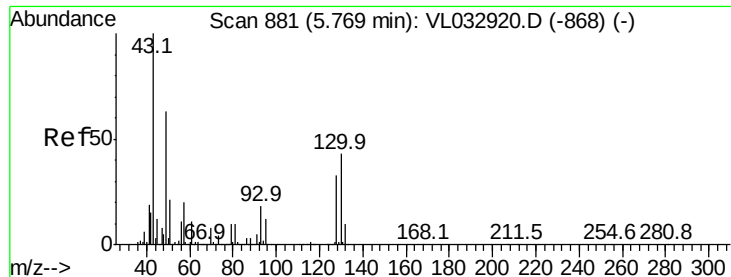
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032956.D

Acq: 11 Dec 2018 16:00

Instrument :
MSVOA_L
ClientSampleId :

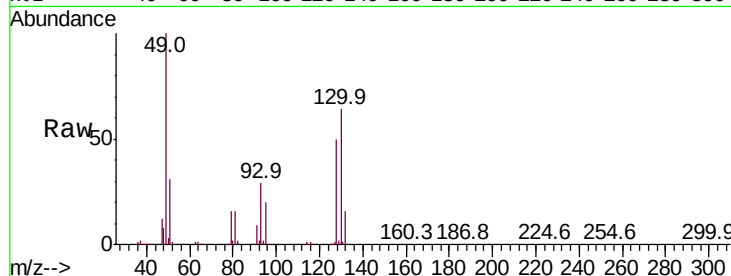
Tot Ion: 49 Resp: 1253318

Ion Ratio Lower Upper

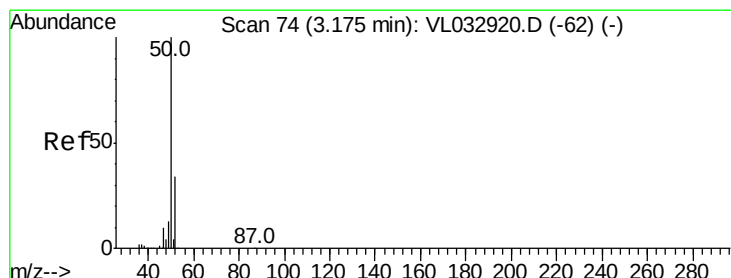
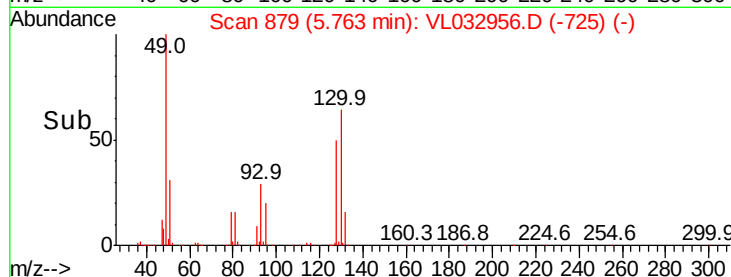
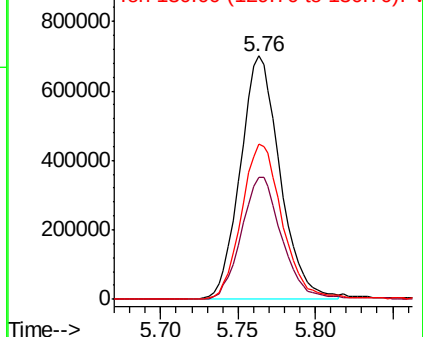
49 100

128 51.6 26.3 78.8

130 66.6 33.9 101.7



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



#4

Chloromethane

Concen: 0.140 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032956.D

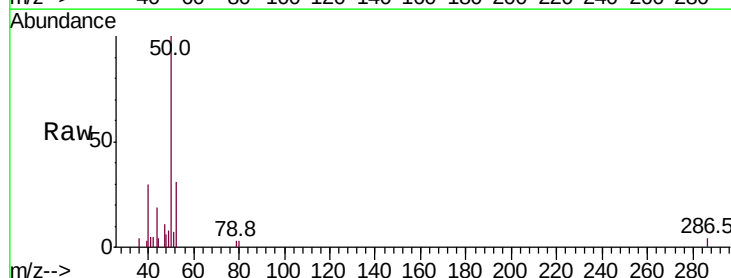
Acq: 11 Dec 2018 16:00

Tgt Ion: 50 Resp: 7709

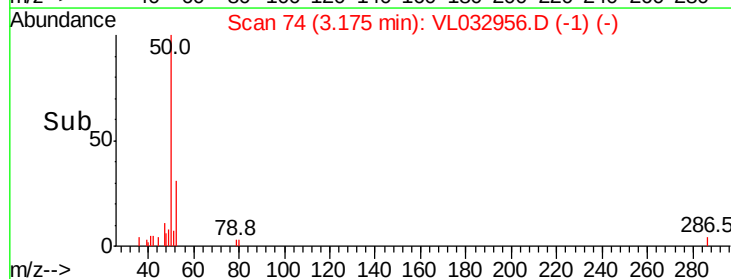
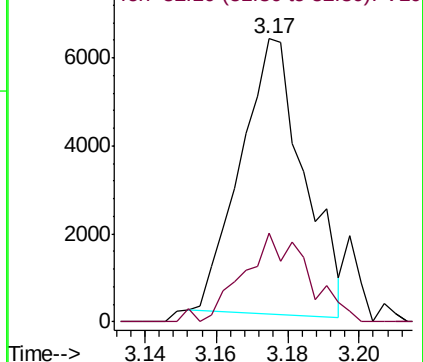
Ion Ratio Lower Upper

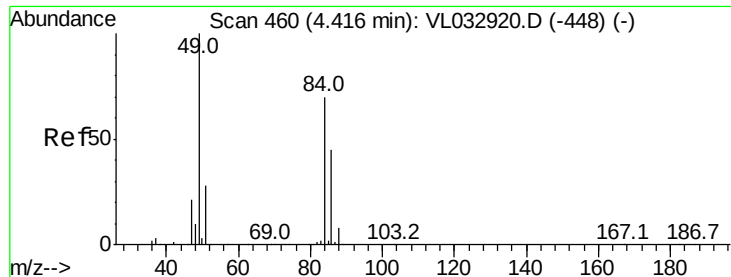
50 100

52 27.5 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0

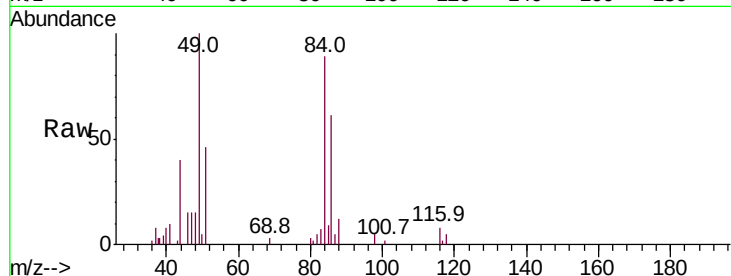




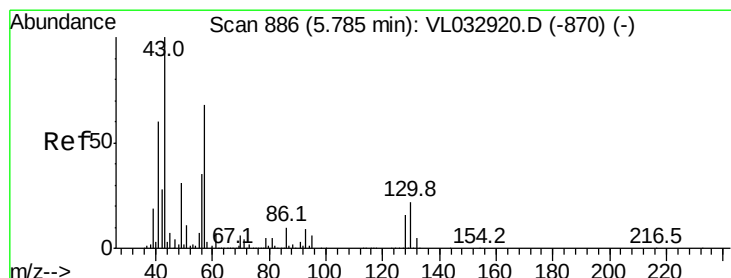
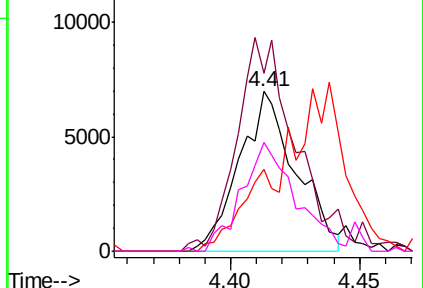
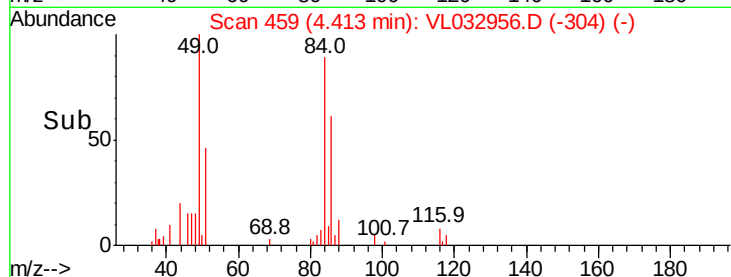
#20
Methylene Chloride
Concen: 0.203 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032956.D
Acq: 11 Dec 2018 16:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 10669
Ion Ratio Lower Upper
84 100
49 107.0 113.8 170.8#
51 51.4 31.8 47.8#
86 66.0 50.8 76.2

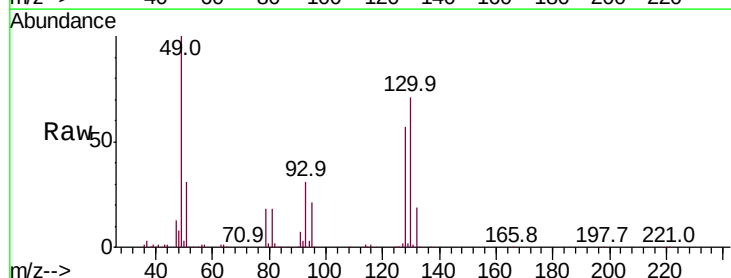


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

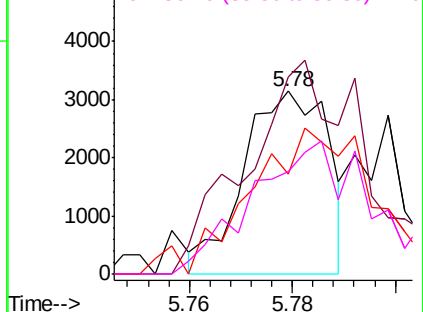
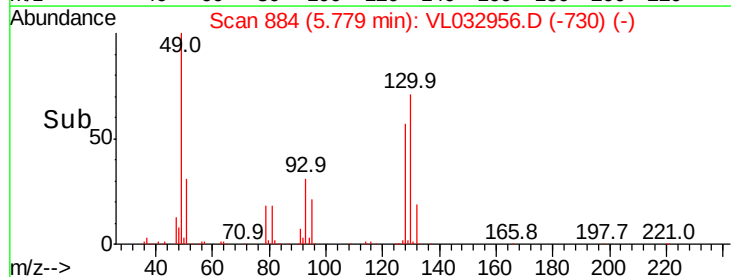


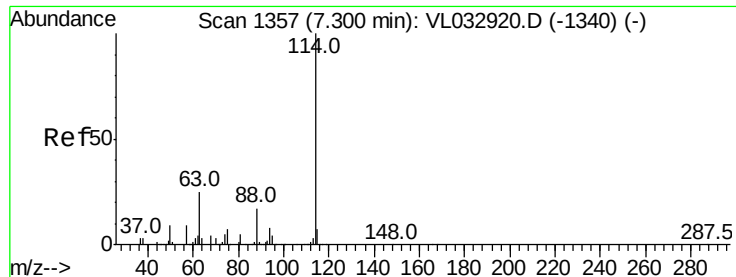
#26
Hexane
Concen: 0.030 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032956.D
Acq: 11 Dec 2018 16:00

Tgt Ion: 57 Resp: 3566
Ion Ratio Lower Upper
57 100
41 166.7 72.2 108.2#
43 118.0 171.9 257.9#
56 112.3 42.2 63.2#



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032956.D

Acq: 11 Dec 2018 16:00

Instrument :

MSVOA_L

ClientSampleId :

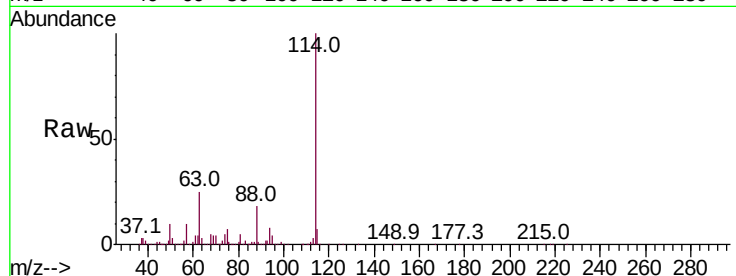
Tot Ion:114 Resp: 3108726

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

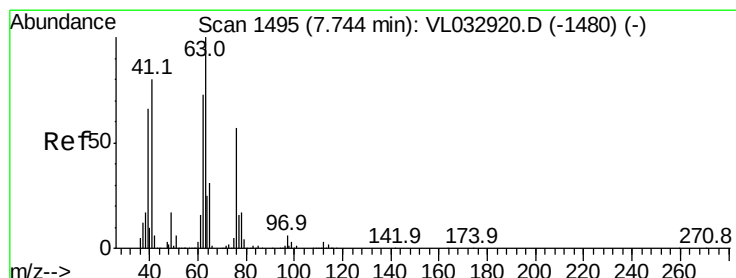
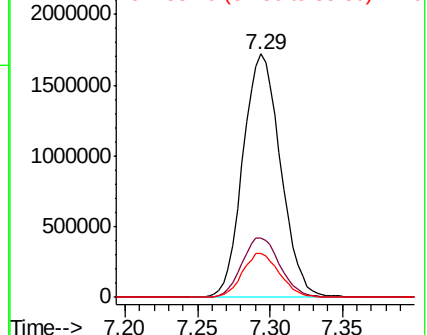
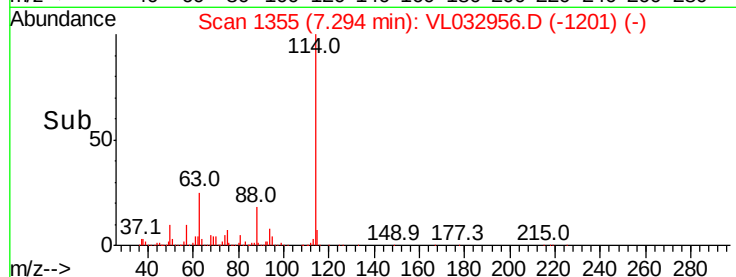
88 17.9 14.2 21.4



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: 8.859 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032956.D

Acq: 11 Dec 2018 16:00

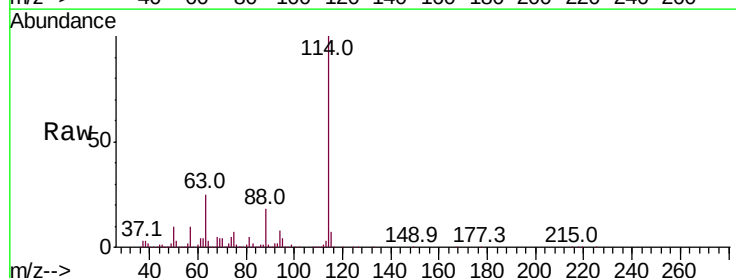
Tgt Ion: 63 Resp: 768215

Ion Ratio Lower Upper

63 100

41 0.0 63.9 95.9#

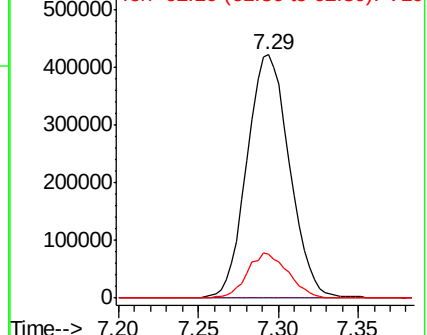
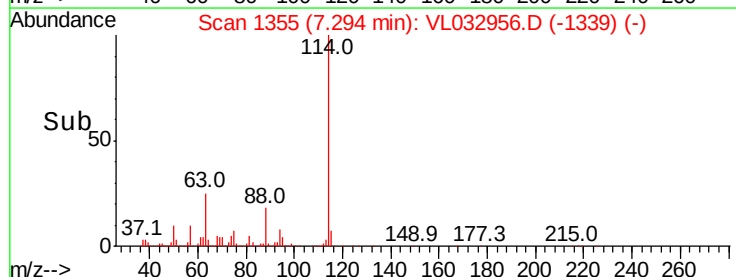
62 18.1 58.8 88.2#

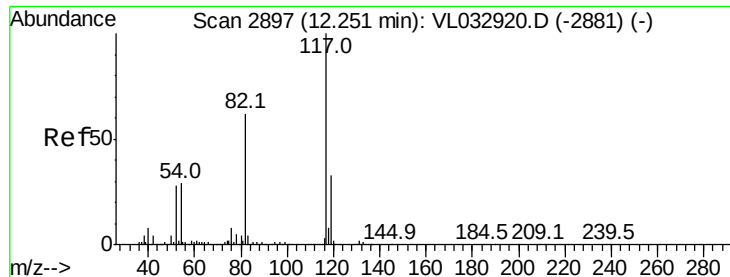


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

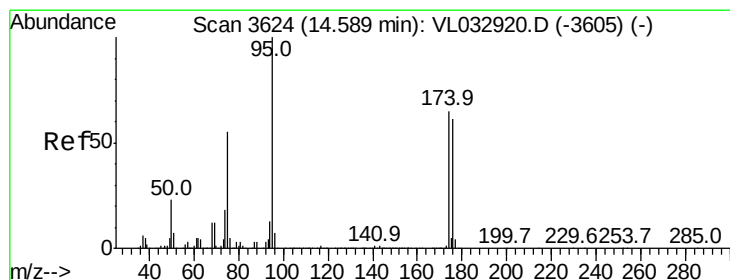
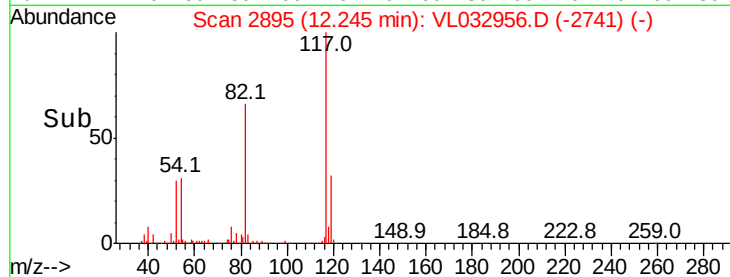
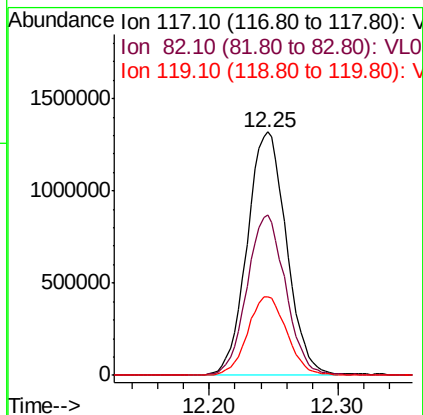
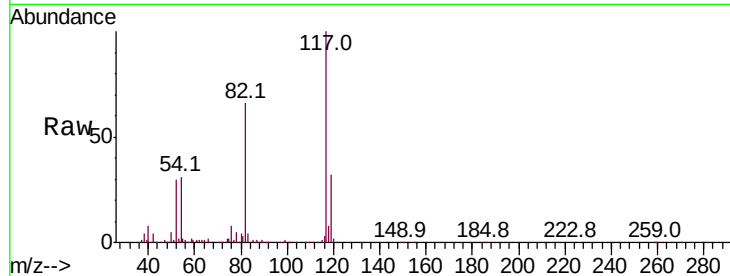




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032956.D
Acq: 11 Dec 2018 16:00

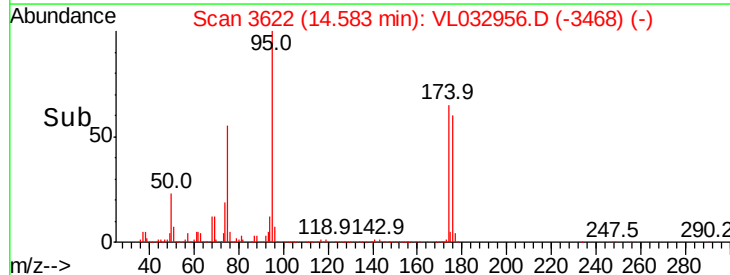
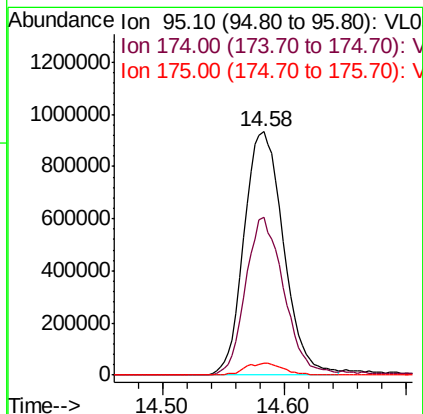
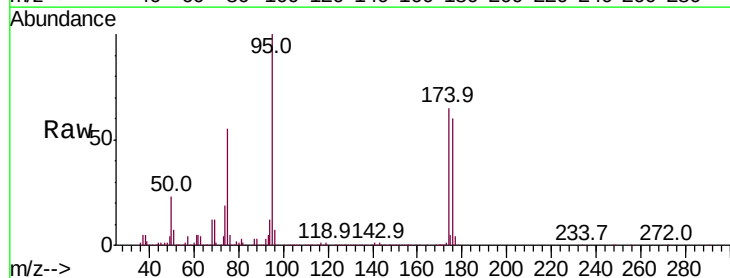
Instrument :
MSVOA_L
ClientSampleId :

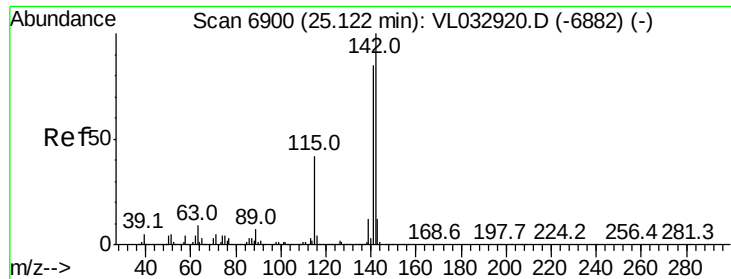
Tot Ion:117 Resp: 2804640
Ion Ratio Lower Upper
117 100
82 65.6 47.8 71.8
119 32.5 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.085 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032956.D
Acq: 11 Dec 2018 16:00

Tgt Ion: 95 Resp: 2089697
Ion Ratio Lower Upper
95 100
174 64.6 51.4 77.0
175 4.9 3.8 5.6





#80

Naphthalene, 2-methyl-

Concen: 0.030 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL032956.D

Acq: 11 Dec 2018 16:00

Instrument :

MSVOA_L

ClientSampleId :

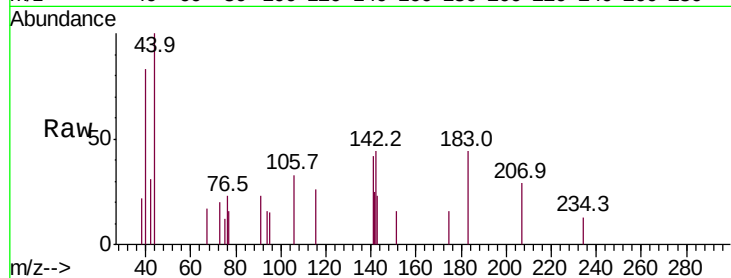
Tot Ion:142 Resp: 1406

Ion Ratio Lower Upper

142 100

141 50.1 68.2 102.2#

115 40.5 35.1 52.7



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

