

Data File : VL032552.D
Acq On : 27 Sep 2018 16:29
Operator : SY/AP
Sample : QC091218 CAN 10282
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC091218 CAN 10282

Quant Time: Sep 28 02:08:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1386345	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3163633	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3258648	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2251953	9.16	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.60%

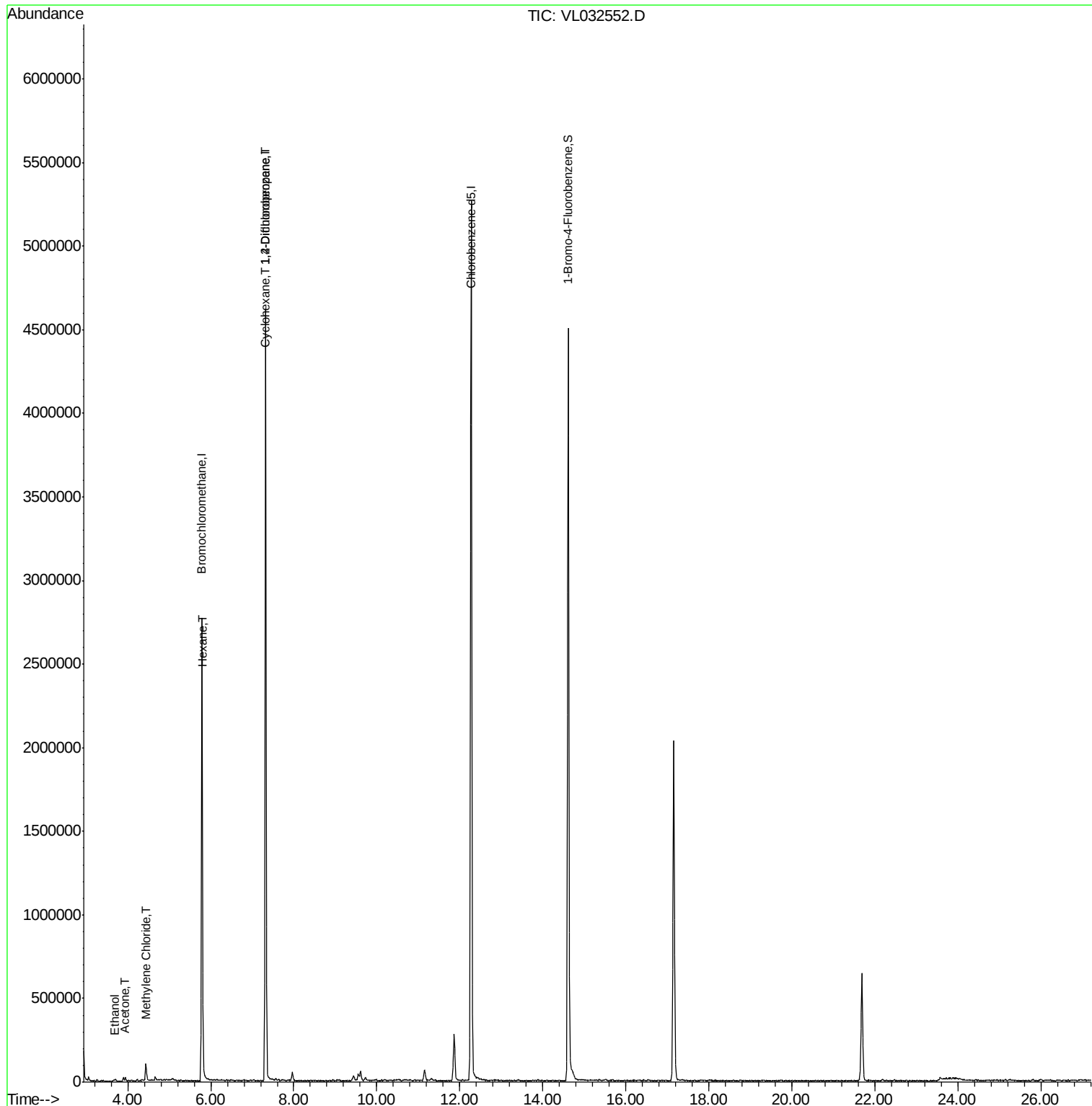
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.69	45	1926	0.128	ppbv #	21
15) Acetone	3.93	43	6646	0.055	ppbv #	1
20) Methylene Chloride	4.43	84	29492	0.500	ppbv	95
26) Hexane	5.80	57	13591	0.102	ppbv #	44
30) Cyclohexane	7.30	84	6445	0.059	ppbv #	1
39) 1,2-Dichloropropane	7.32	63	873340	7.580	ppbv #	25

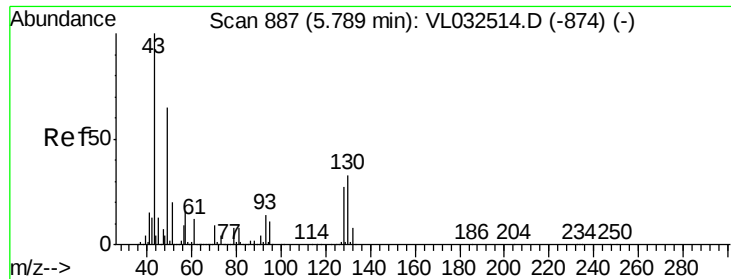
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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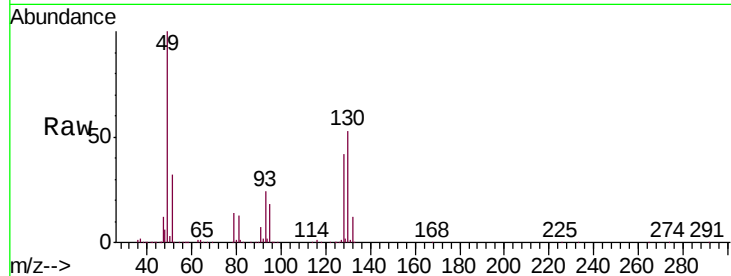
Tgt Ion: 49 Resp: 1386345

Ion Ratio Lower Upper

49 100

128 43.4 20.7 62.1

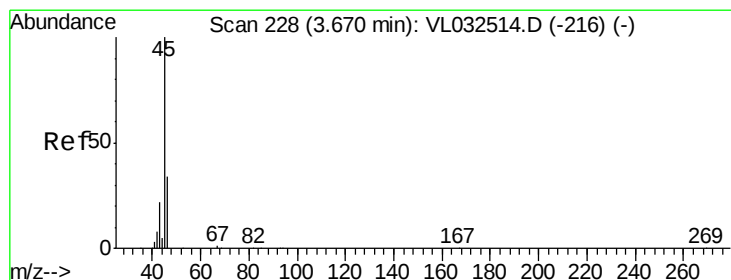
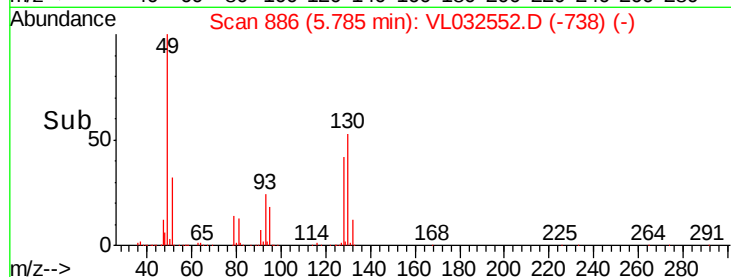
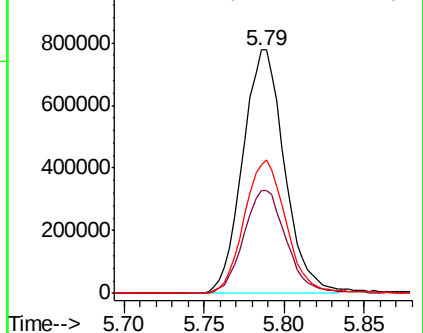
130 55.7 26.6 79.7



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



#13

Ethanol

Concen: 0.128 ppbv

RT: 3.69 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL032552.D

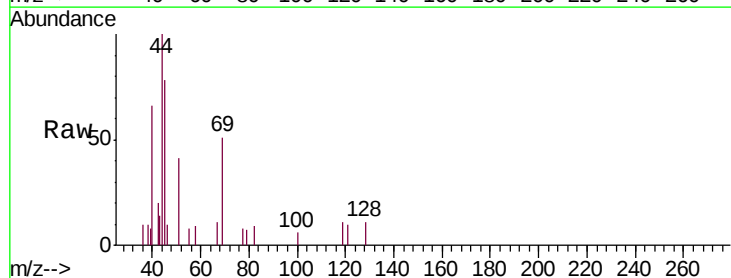
Acq: 27 Sep 2018 16:29

Tgt Ion: 45 Resp: 1926

Ion Ratio Lower Upper

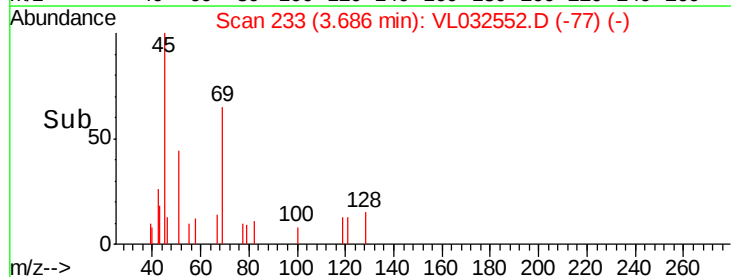
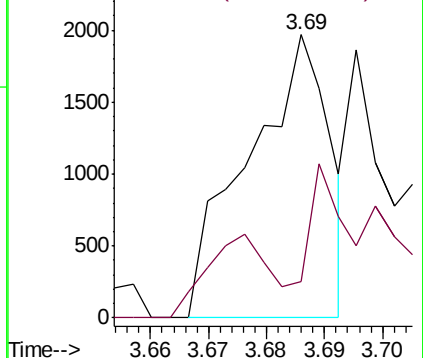
45 100

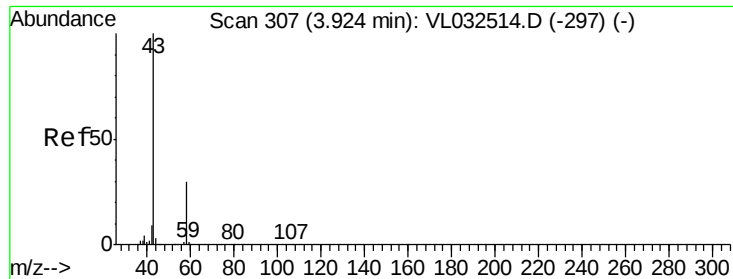
46 81.7 14.2 56.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.055 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

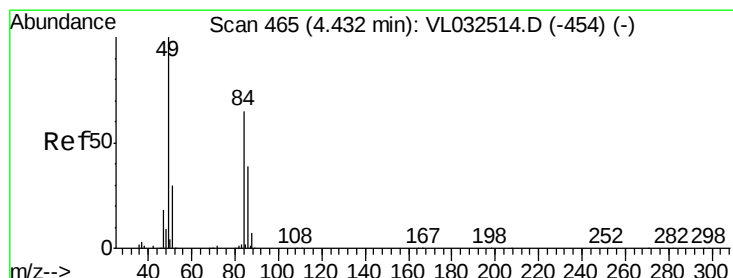
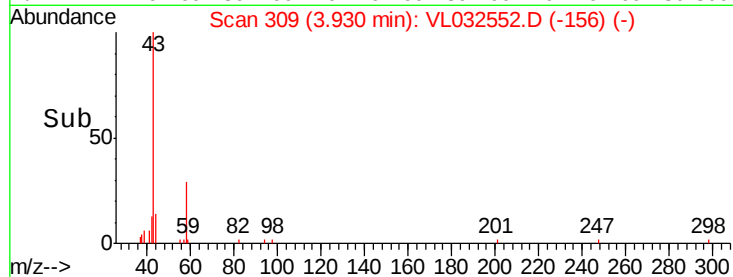
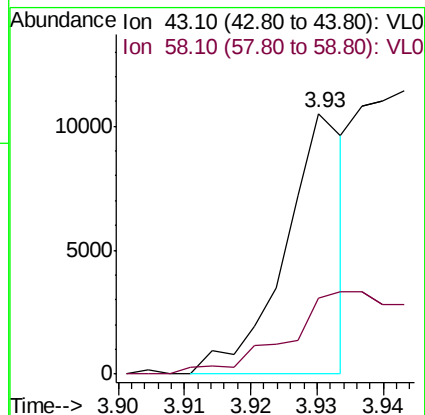
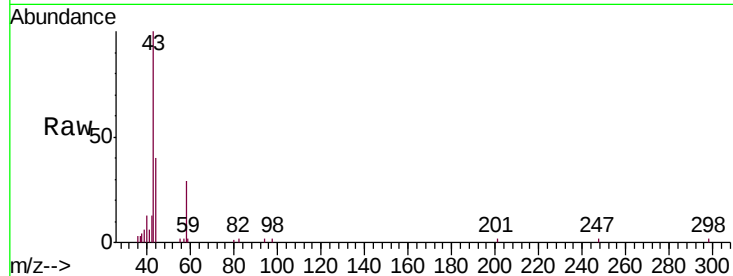
QC091218 CAN 10282

Tgt Ion: 43 Resp: 6646

Ion Ratio Lower Upper

43 100

58 93.5 22.6 33.8#



#20

Methylene Chloride

Concen: 0.500 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032552.D

Acq: 27 Sep 2018 16:29

Tgt Ion: 84 Resp: 29492

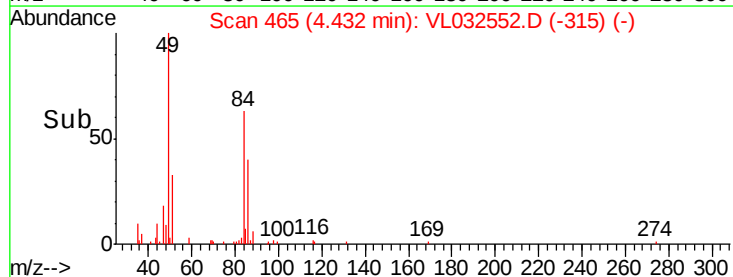
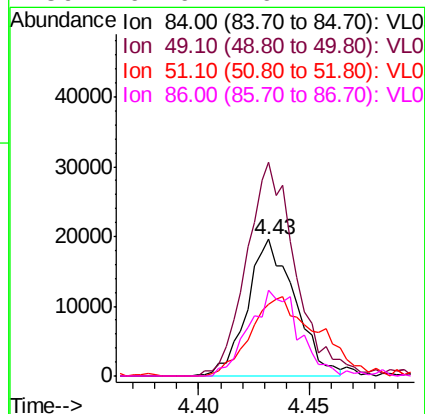
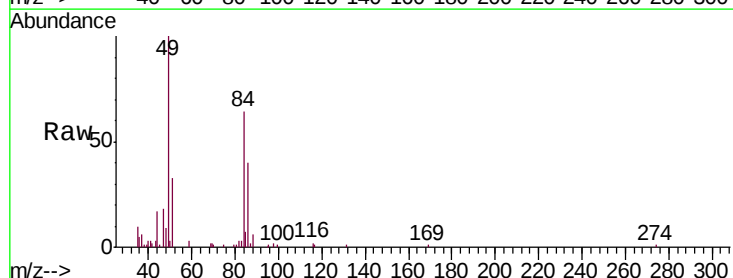
Ion Ratio Lower Upper

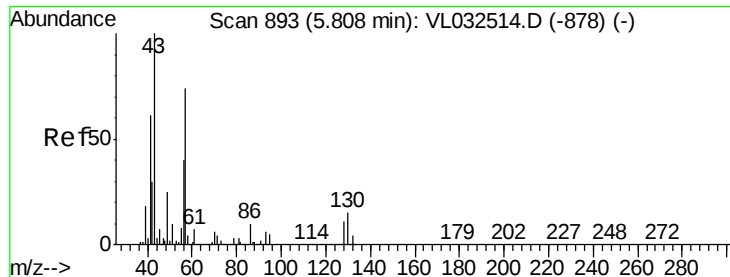
84 100

49 155.2 119.1 178.7

51 52.4 35.2 52.8

86 62.6 49.4 74.2

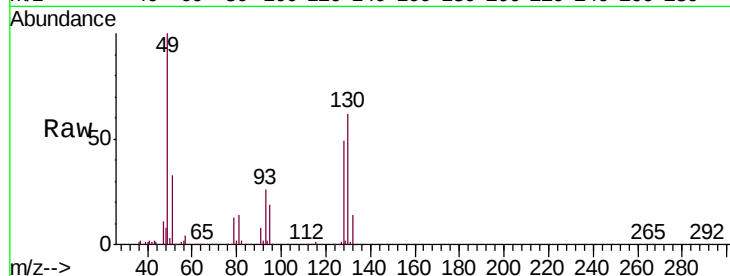




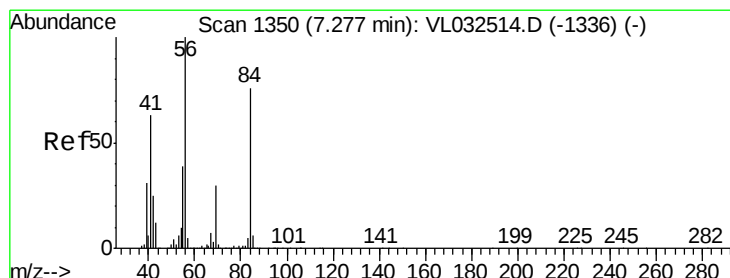
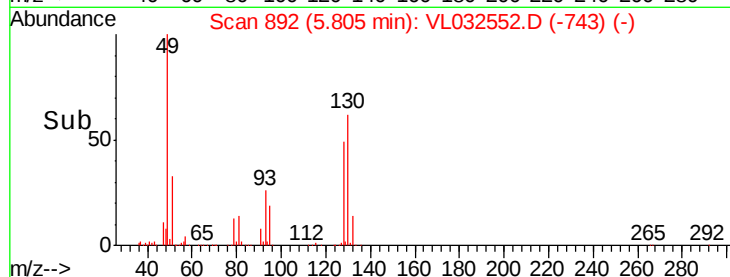
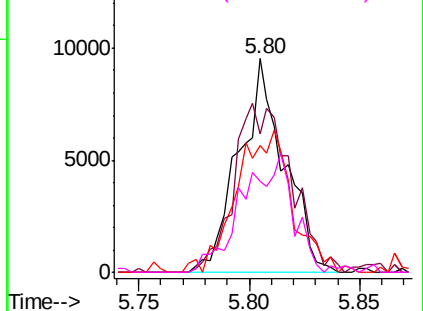
#26
Hexane
Concen: 0.102 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032552.D
Acq: 27 Sep 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
QC091218 CAN 10282

Tgt Ion: 57 Resp: 13591
Ion Ratio Lower Upper
57 100
41 99.2 69.0 103.4
43 83.2 172.1 258.1#
56 64.5 42.2 63.2#

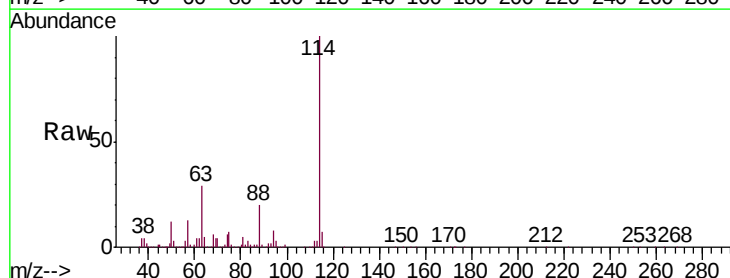


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

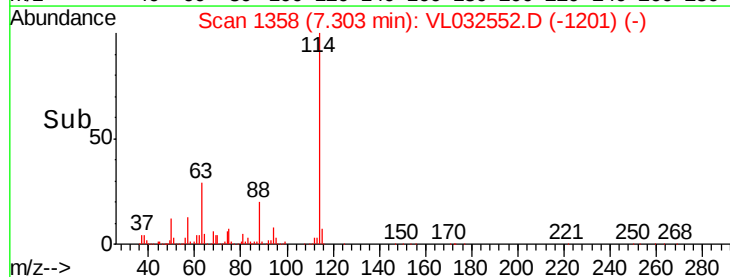
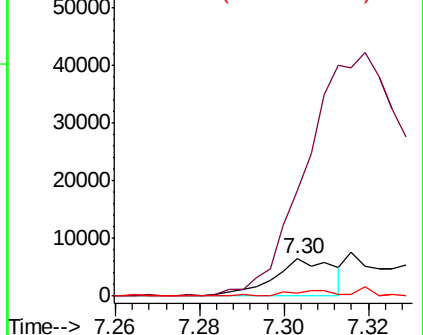


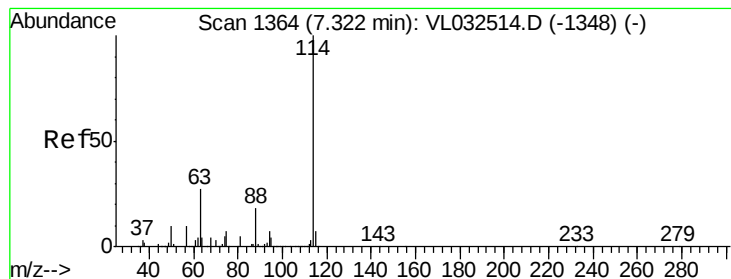
#30
Cyclohexane
Concen: 0.059 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032552.D
Acq: 27 Sep 2018 16:29

Tgt Ion: 84 Resp: 6445
Ion Ratio Lower Upper
84 100
56 0.0 113.5 170.3#
41 0.0 68.1 102.1#



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: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032552.D

Acq: 27 Sep 2018 16:29

Instrument :

MSVOA_L

ClientSampleId :

QC091218 CAN 10282

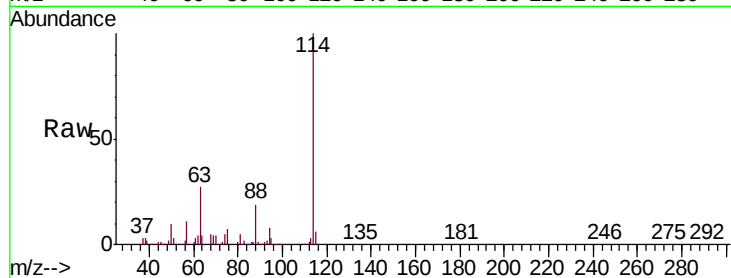
Tgt Ion:114 Resp: 3163633

Ion Ratio Lower Upper

114 100

63 27.8 22.2 33.4

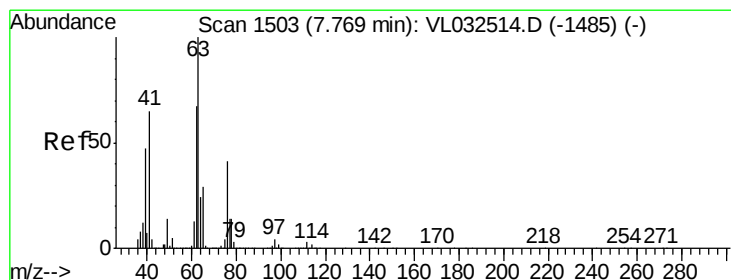
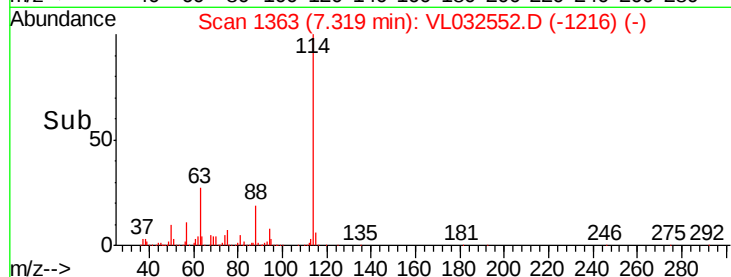
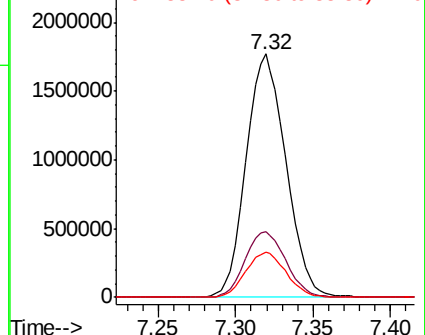
88 18.6 15.0 22.4



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: 7.580 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.47 min

Lab File: VL032552.D

Acq: 27 Sep 2018 16:29

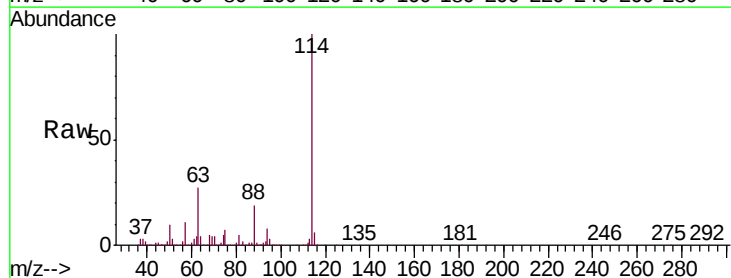
Tgt Ion: 63 Resp: 873340

Ion Ratio Lower Upper

63 100

41 0.3 55.4 83.0#

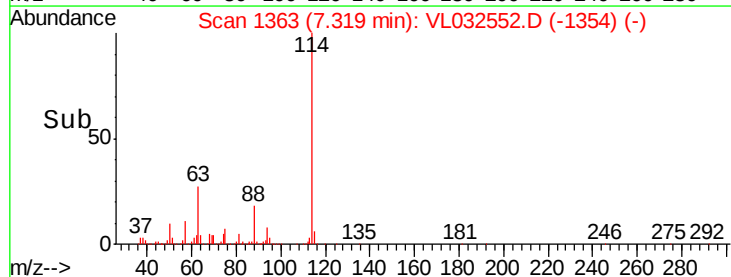
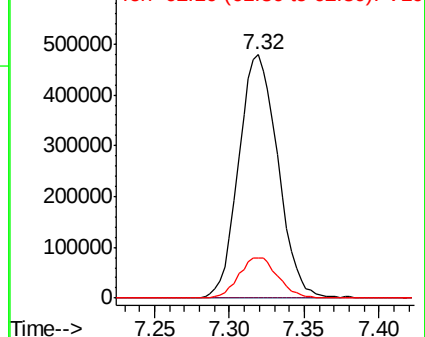
62 16.2 55.4 83.0#

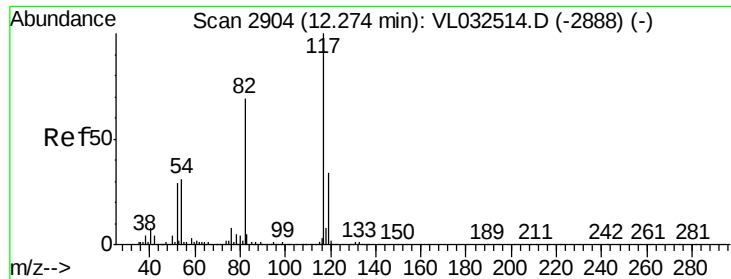


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

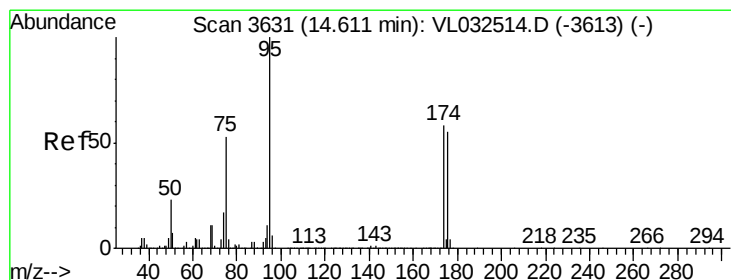
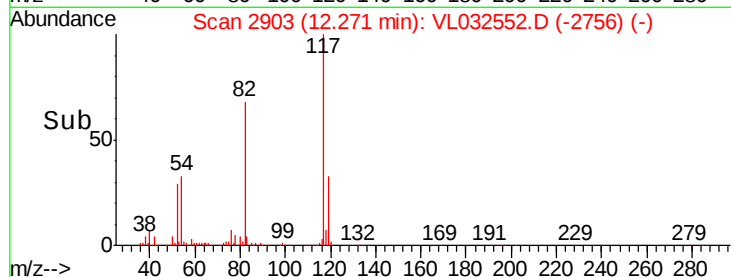
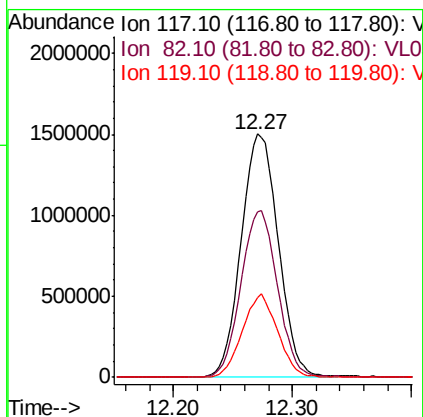
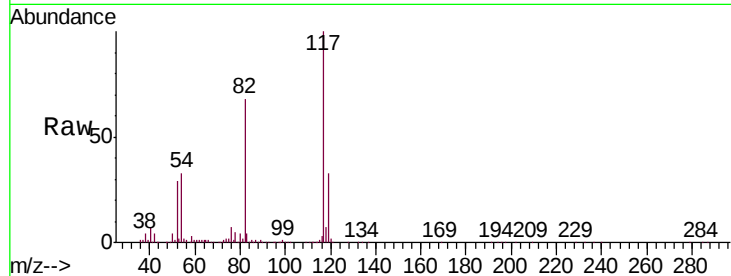




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032552.D
Acq: 27 Sep 2018 16:29

Instrument :
MSVOA_L
ClientSampleId :
QC091218 CAN 10282

Tgt Ion: 117 Resp: 3258648
Ion Ratio Lower Upper
117 100
82 67.5 53.0 79.6
119 32.6 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.164 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032552.D
Acq: 27 Sep 2018 16:29

Tgt Ion: 95 Resp: 2251953
Ion Ratio Lower Upper
95 100
174 58.8 46.3 69.5
175 4.3 3.4 5.0

