

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032637.D
 Acq On : 17 Oct 2018 12:31
 Operator : SY/AP
 Sample : QC100918 CAN 10761
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC100918 CAN 10761

Quant Time: Oct 19 02:09:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018
 QLast Update : Wed Oct 17 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1208581	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2624692	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2707180	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1948942	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

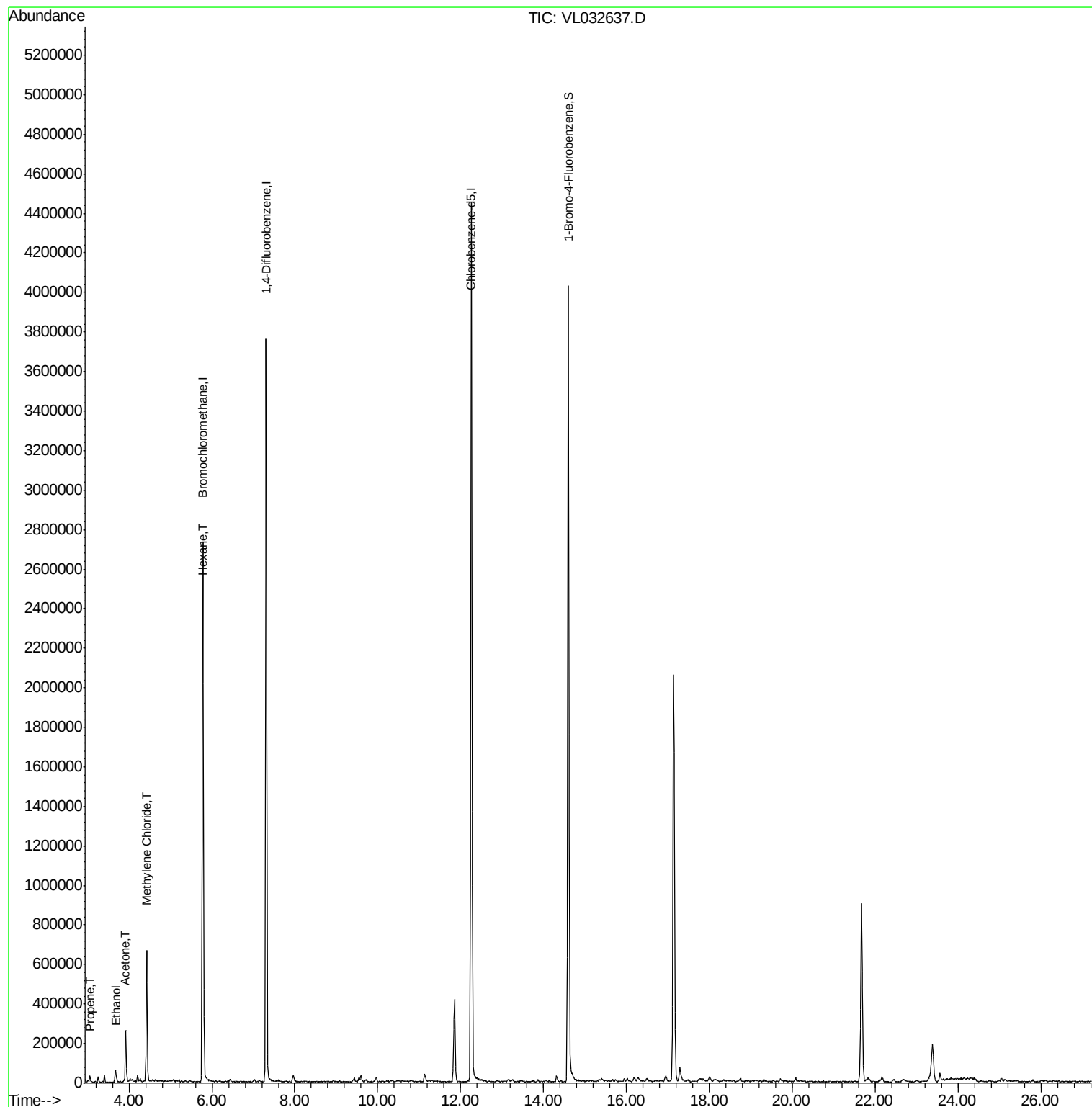
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.06	41	5801	0.16	ppbv	94
13) Ethanol	3.67	45	65965	5.75	ppbv	96
15) Acetone	3.92	43	249081	2.32	ppbv	99
20) Methylene Chloride	4.43	84	229202	4.76	ppbv	95
26) Hexane	5.80	57	218594	1.91	ppbv #	42

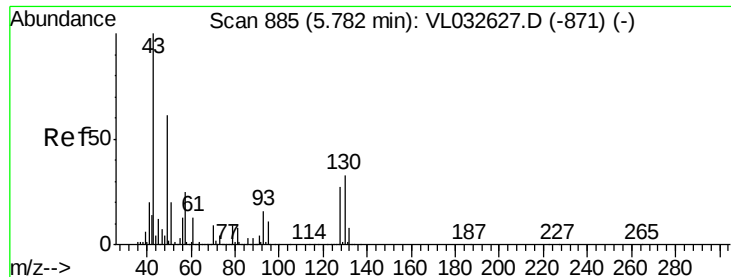
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.01 min

Lab File: VL032637.D

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QC100918 CAN 10761

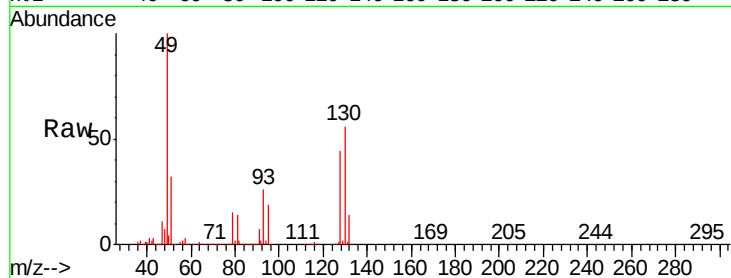
Tgt Ion: 49 Resp: 1208581

Ion Ratio Lower Upper

49 100

128 46.5 22.3 66.8

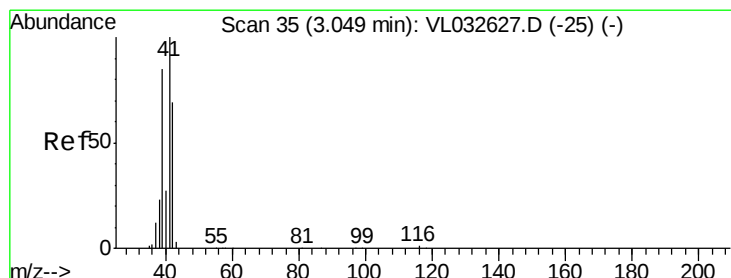
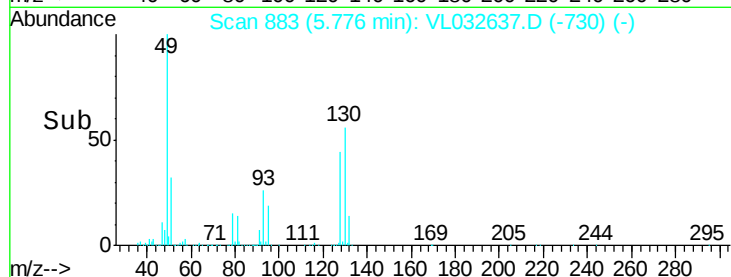
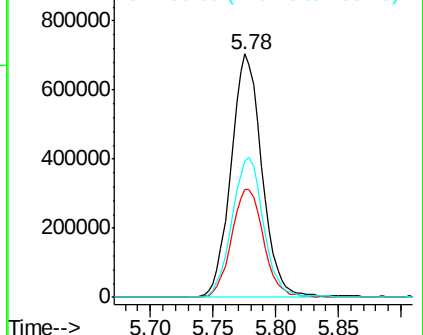
130 59.2 28.4 85.3



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



#9

Propene

Concen: 0.16 ppbv

RT: 3.06 min Scan# 38

Delta R.T. 0.01 min

Lab File: VL032637.D

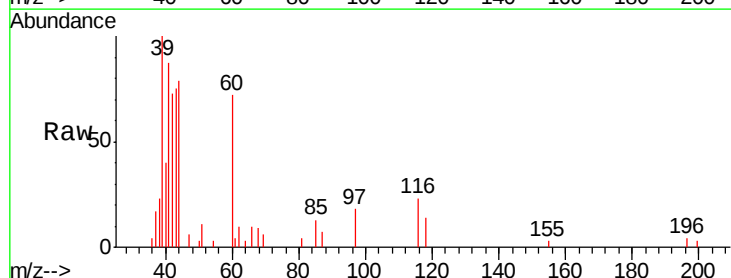
Acq: 17 Oct 2018 12:31

Tgt Ion: 41 Resp: 5801

Ion Ratio Lower Upper

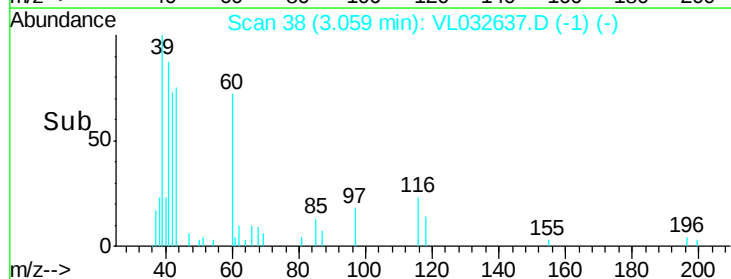
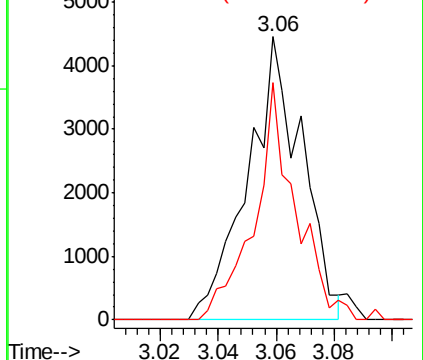
41 100

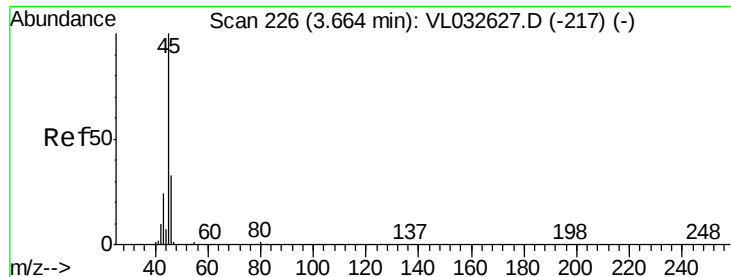
42 64.1 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

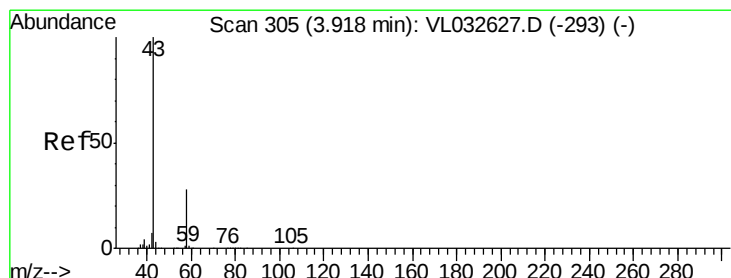
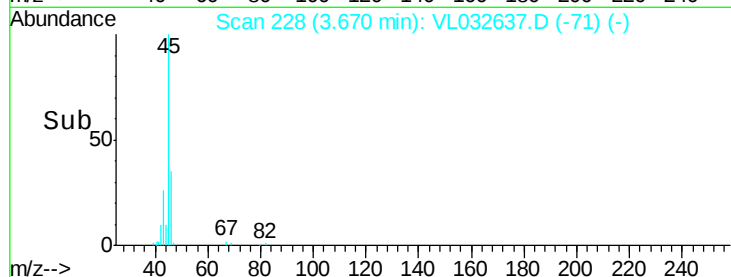
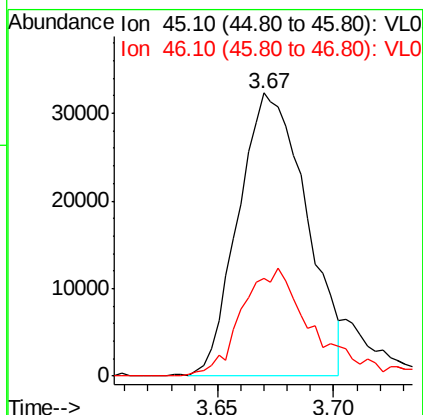
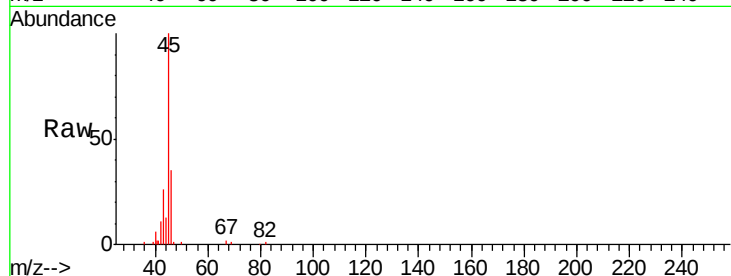




#13
Ethanol
Concen: 5.75 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

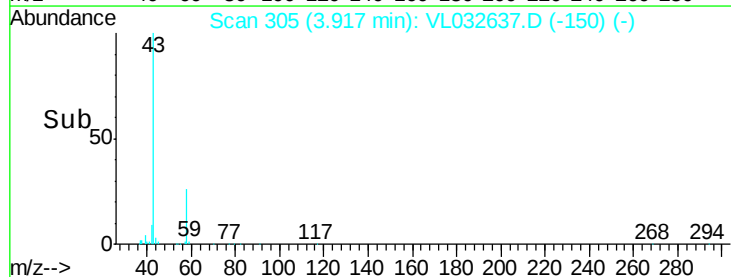
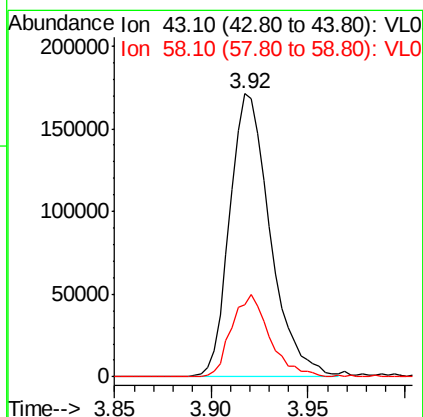
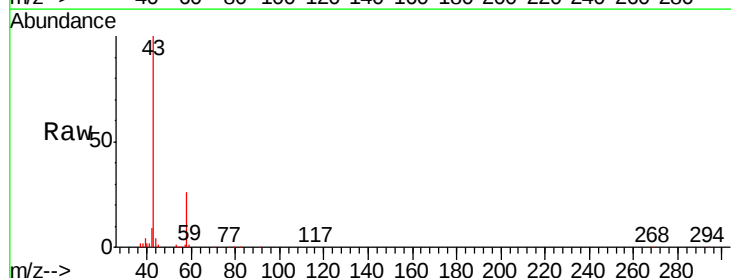
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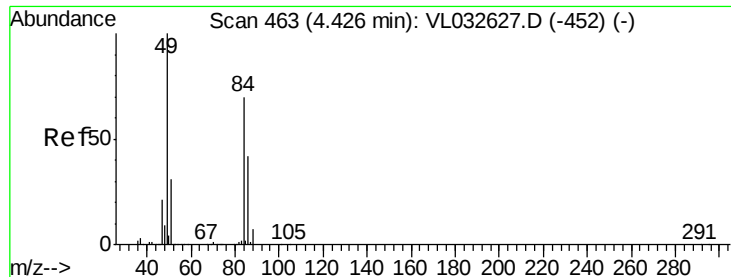
Tgt Ion: 45 Resp: 65965
Ion Ratio Lower Upper
45 100
46 41.0 15.4 61.8



#15
Acetone
Concen: 2.32 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.00 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

Tgt Ion: 43 Resp: 249081
Ion Ratio Lower Upper
43 100
58 28.0 22.1 33.1

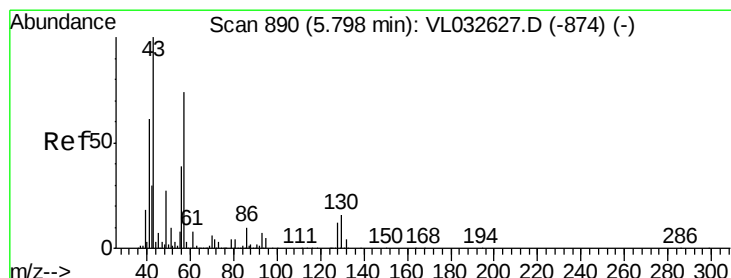
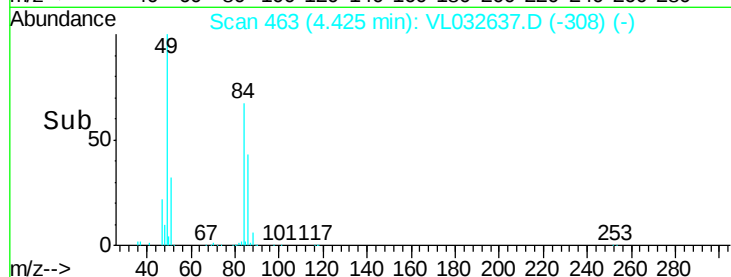
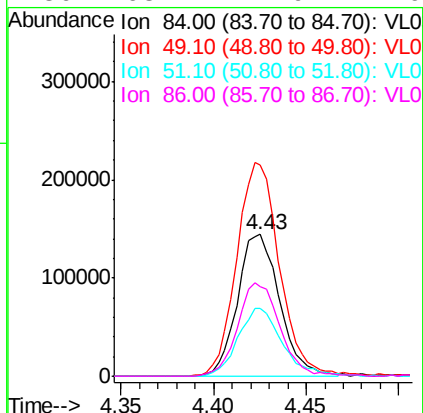
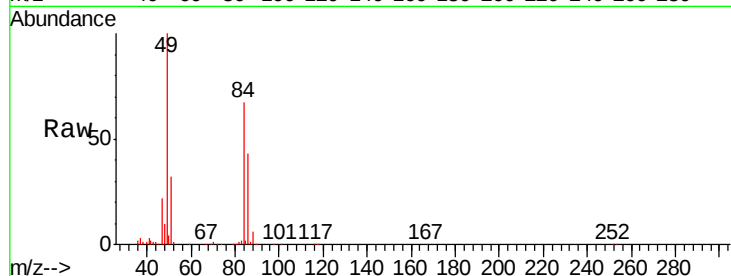




#20
Methylene Chloride
Concen: 4.76 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

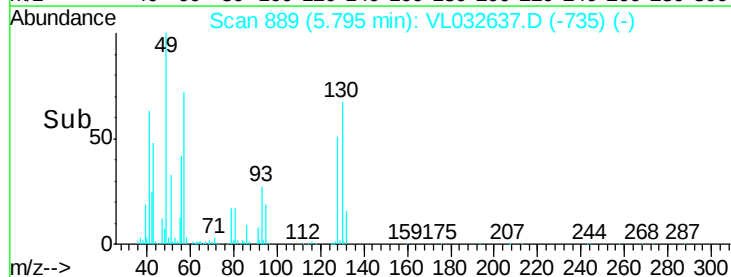
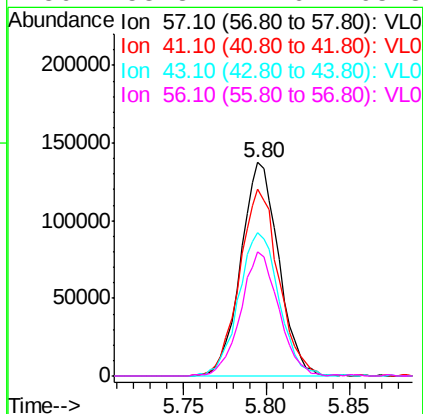
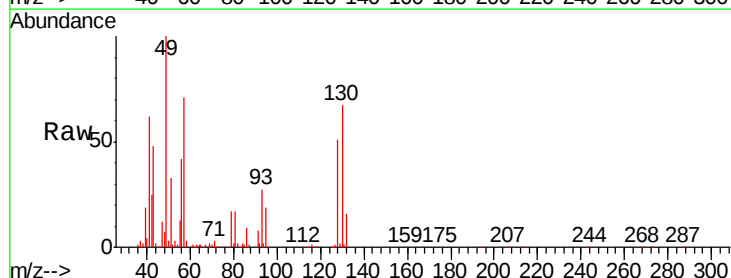
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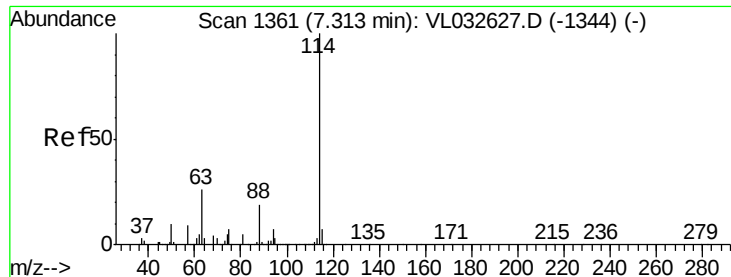
Tgt Ion: 84 Resp: 229202
Ion Ratio Lower Upper
84 100
49 149.0 113.5 170.3
51 47.2 34.8 52.2
86 63.4 47.9 71.9



#26
Hexane
Concen: 1.91 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

Tgt Ion: 57 Resp: 218594
Ion Ratio Lower Upper
57 100
41 90.8 67.4 101.0
43 71.8 171.9 257.9#
56 58.3 42.6 63.8

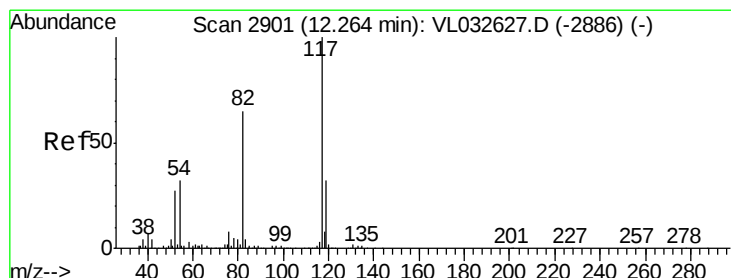
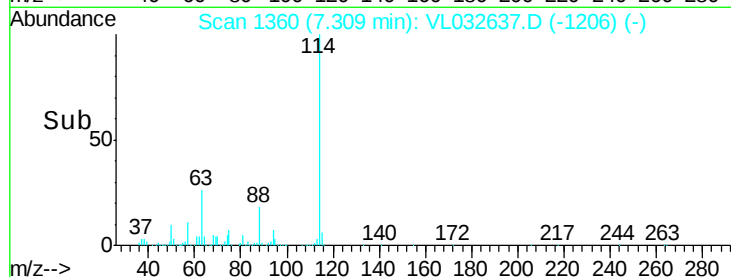
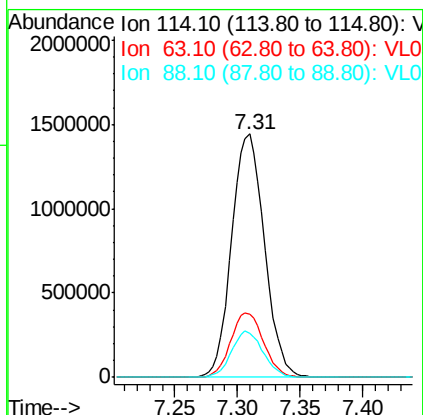
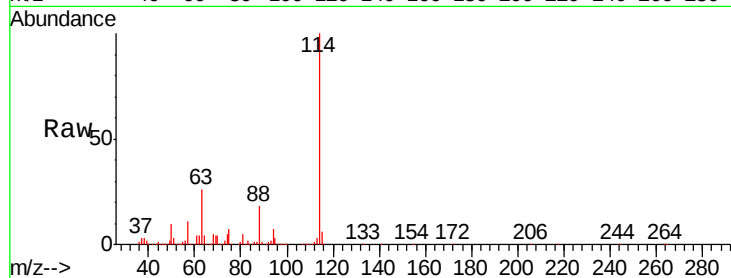




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032637.D
 Acq: 17 Oct 2018 12:31

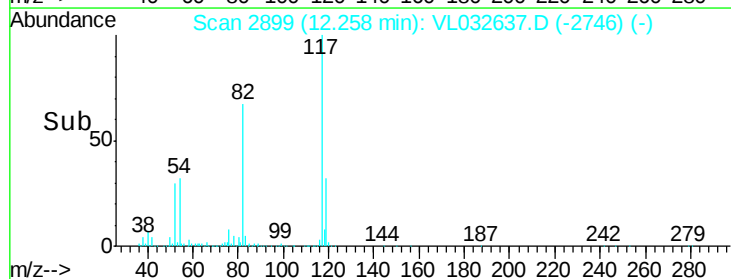
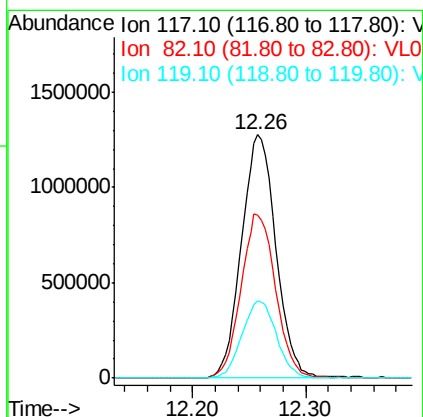
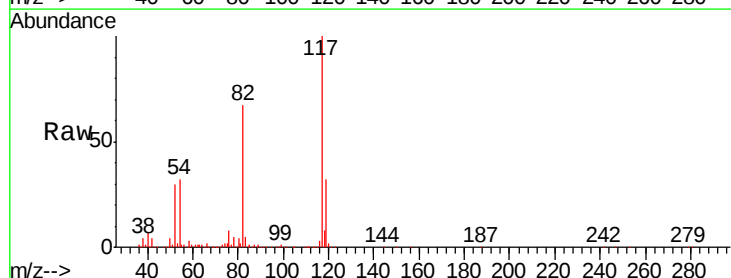
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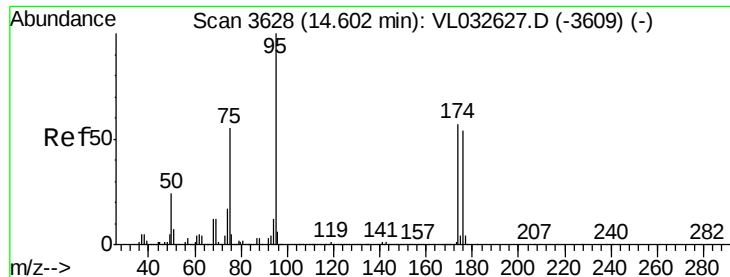
Tgt Ion:114 Resp: 2624692
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.7 32.5
 88 18.3 14.9 22.3



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.26 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: VL032637.D
 Acq: 17 Oct 2018 12:31

Tgt Ion:117 Resp: 2707180
 Ion Ratio Lower Upper
 117 100
 82 68.0 52.7 79.1
 119 32.0 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.56 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

Instrument :

MSVOA_L

ClientSampleId :

QC100918 CAN 10761

Tgt Ion: 95 Resp: 1948942

Ion Ratio Lower Upper

95 100

174 58.7 46.0 69.0

175 4.1 3.4 5.0

