

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032622.D
 Acq On : 12 Oct 2018 2:49
 Operator : SY/AP
 Sample : J5370-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 Q4-SVI-100518DL

Quant Time: Oct 12 03:38:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1380065	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3103037	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3286504	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2375955	9.59	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

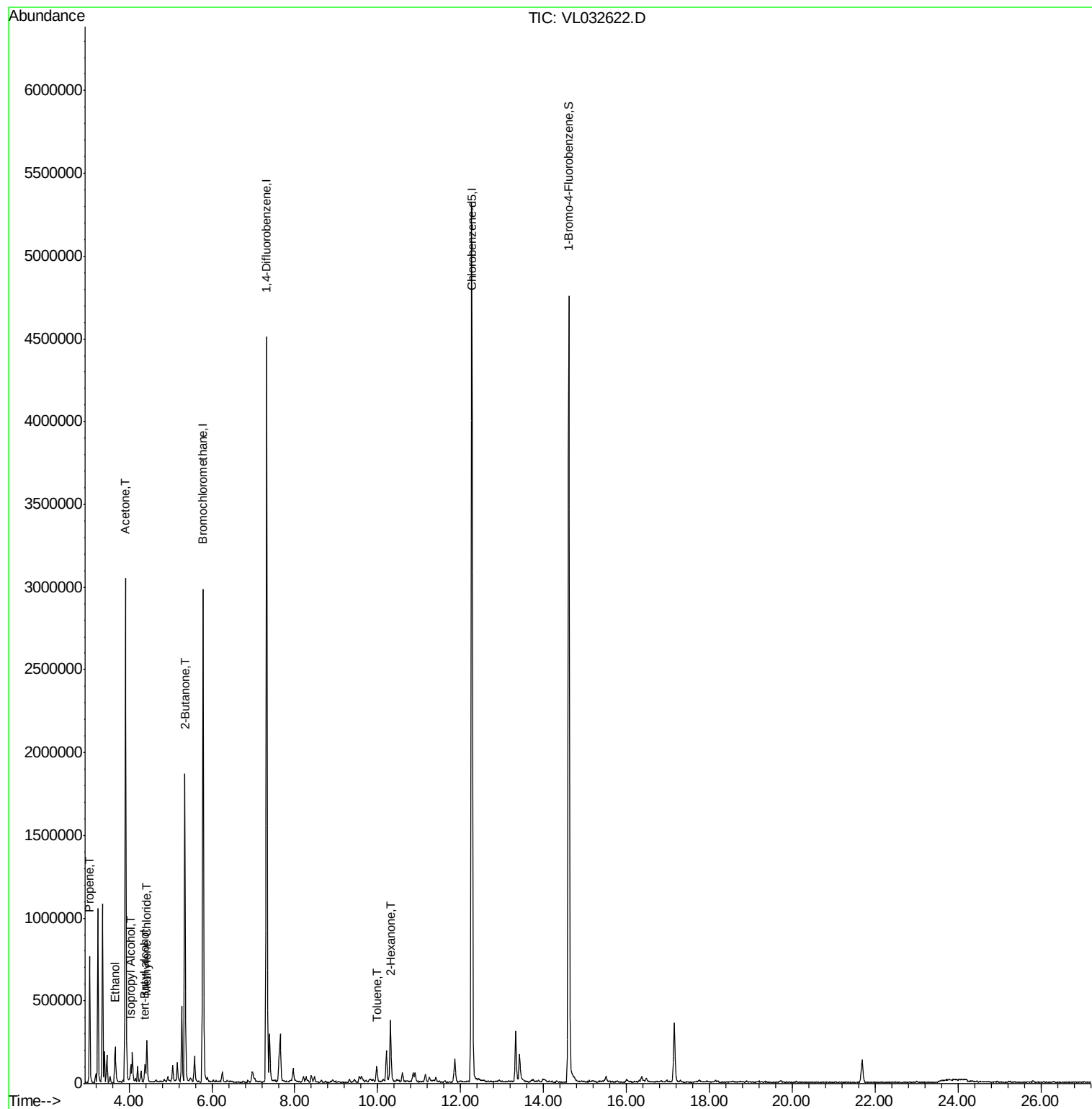
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	303090	6.087	ppbv	98
13) Ethanol	3.66	45	232203	15.514	ppbv	98
15) Acetone	3.91	43	3006638	24.820	ppbv	93
17) tert-Butyl alcohol	4.38	59	75128	4.935	ppbv #	100
19) Isopropyl Alcohol	4.04	45	110099	1.305	ppbv #	93
20) Methylene Chloride	4.43	84	81240	1.385	ppbv	92
34) 2-Butanone	5.34	43	2003464	10.842	ppbv	97
51) 2-Hexanone	10.30	43	296646	1.235	ppbv #	98
53) Toluene	9.98	91	69223	0.227	ppbv	99

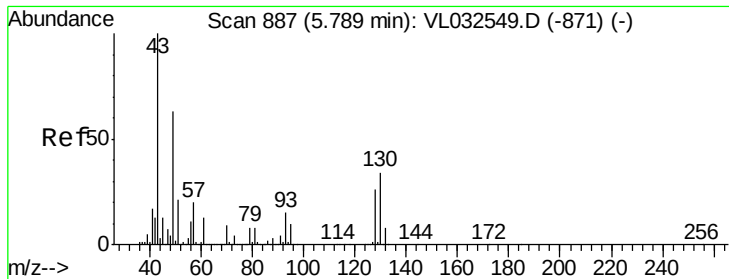
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032622.D

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Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518DL

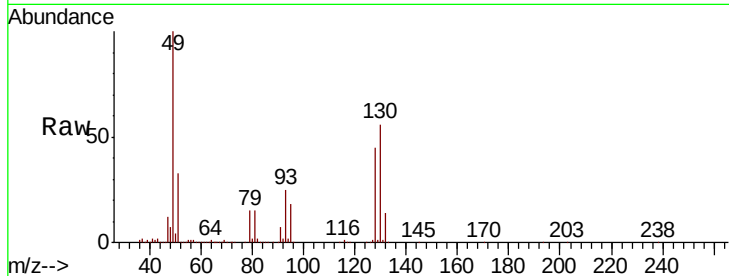
Tot Ion: 49 Resp: 1380065

Ion Ratio Lower Upper

49 100

128 44.9 20.7 62.1

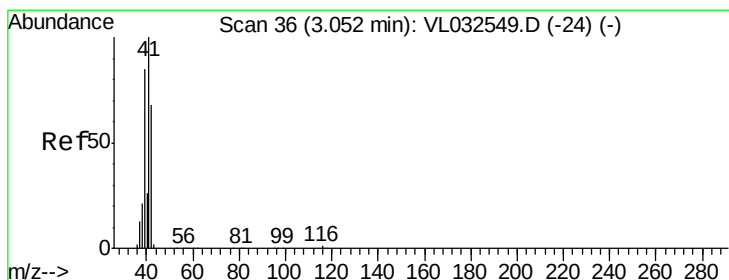
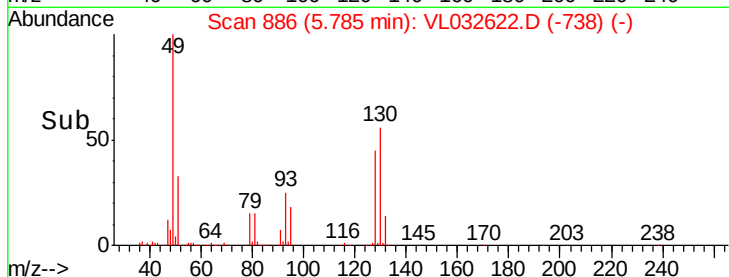
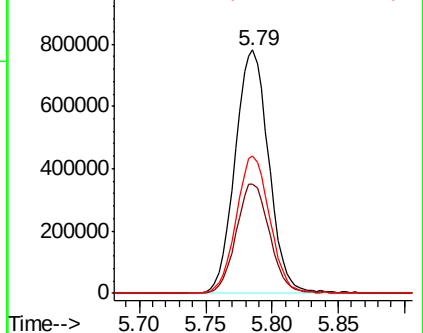
130 56.5 26.6 79.7



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



#9

Propene

Concen: 6.087 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032622.D

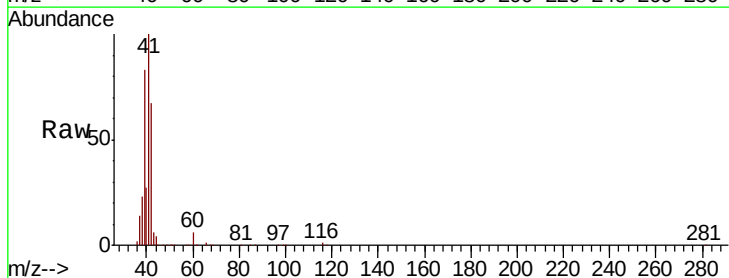
Acq: 12 Oct 2018 2:49

Tgt Ion: 41 Resp: 303090

Ion Ratio Lower Upper

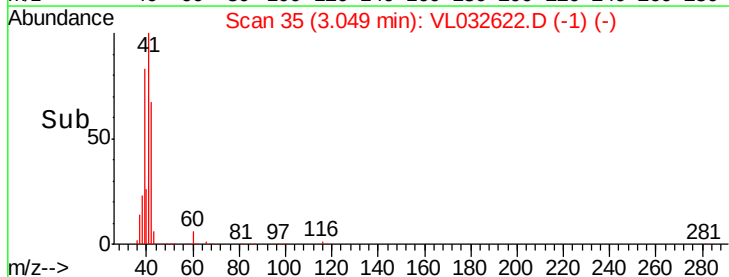
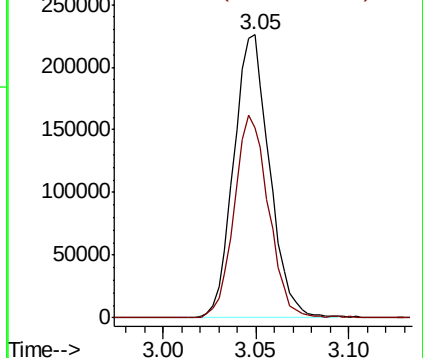
41 100

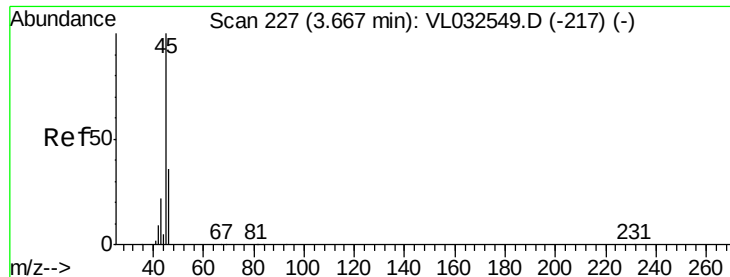
42 69.4 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 15.514 ppbv

RT: 3.66 min Scan# 226

Delta R.T. -0.02 min

Lab File: VL032622.D

Acq: 12 Oct 2018 2:49

Instrument :

MSVOA_L

ClientSampleId :

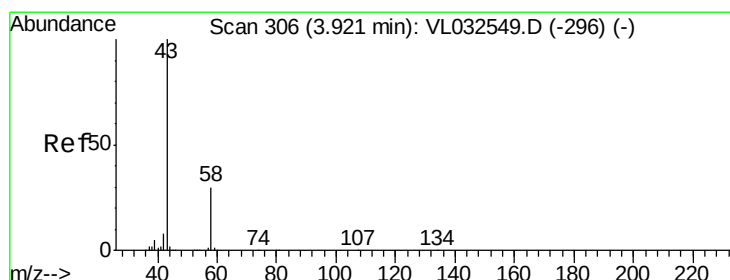
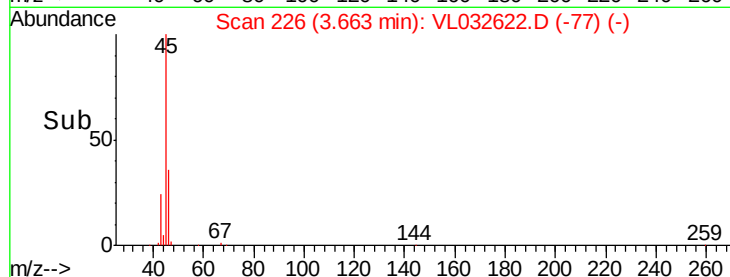
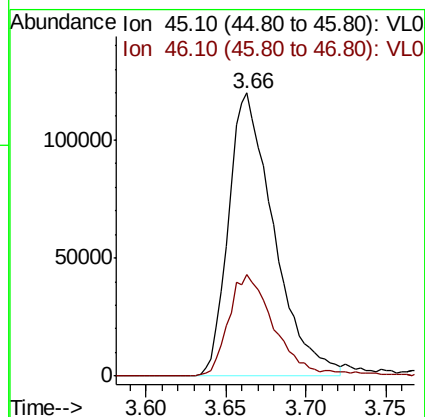
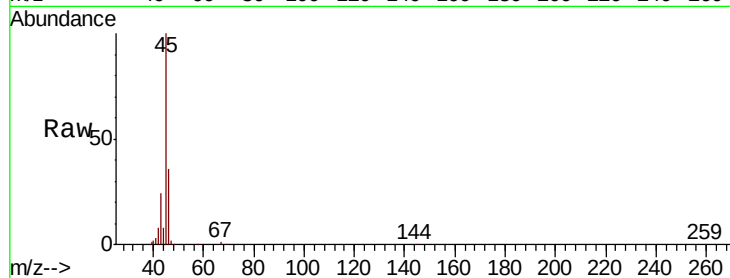
Q4-SVI-100518DL

Tot Ion: 45 Resp: 232203

Ion Ratio Lower Upper

45 100

46 36.9 14.2 56.8



#15

Acetone

Concen: 24.820 ppbv

RT: 3.91 min Scan# 303

Delta R.T. -0.03 min

Lab File: VL032622.D

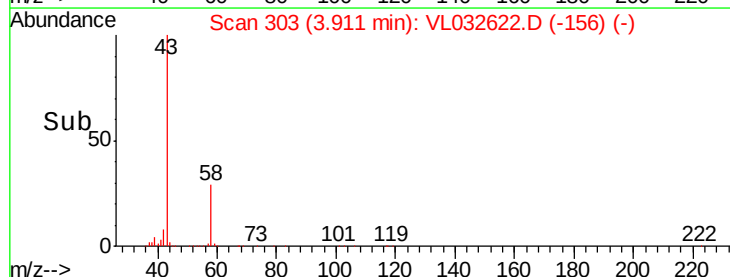
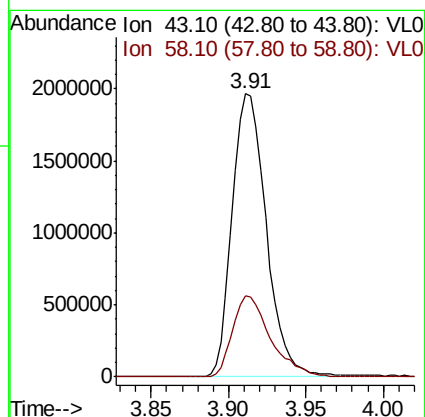
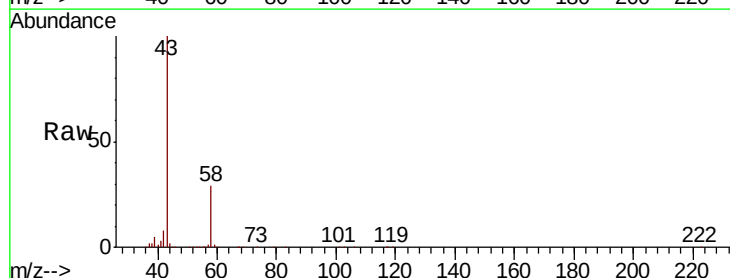
Acq: 12 Oct 2018 2:49

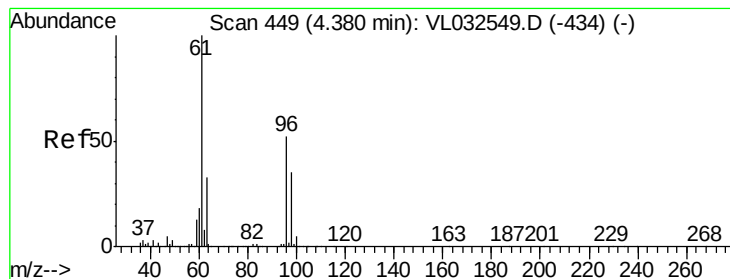
Tgt Ion: 43 Resp: 3006638

Ion Ratio Lower Upper

43 100

58 31.9 22.6 33.8





#17

tert-Butyl alcohol

Concen: 4.935 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.03 min

Lab File: VL032622.D

Acq: 12 Oct 2018 2:49

Instrument :

MSVOA_L

ClientSampleId :

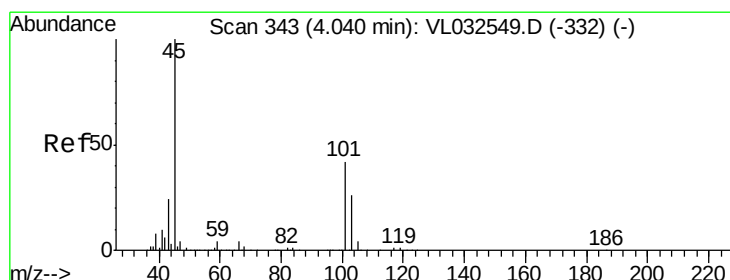
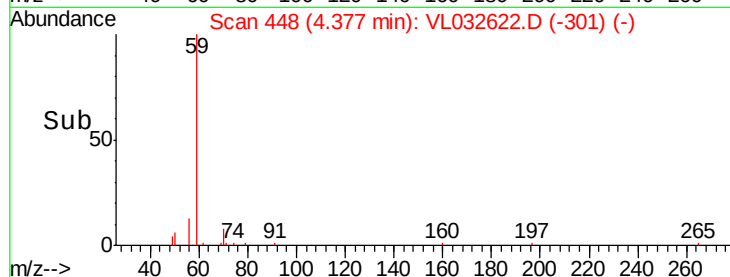
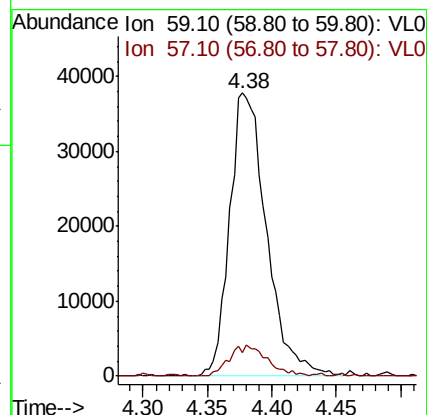
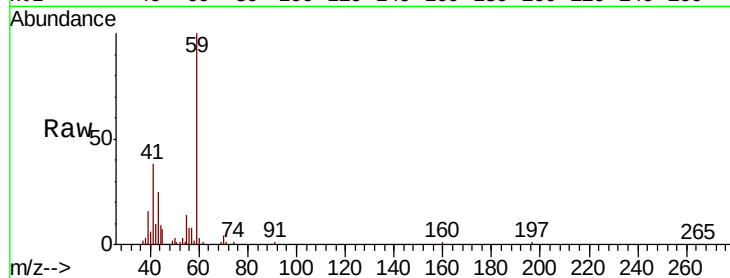
Q4-SVI-100518DL

Tot Ion: 59 Resp: 75128

Ion Ratio Lower Upper

59 100

57 11.2 0.0 0.0#



#19

Isopropyl Alcohol

Concen: 1.305 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032622.D

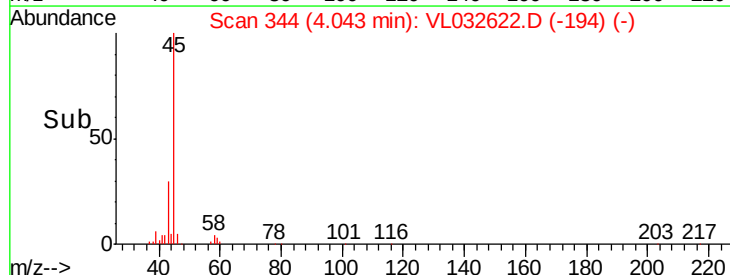
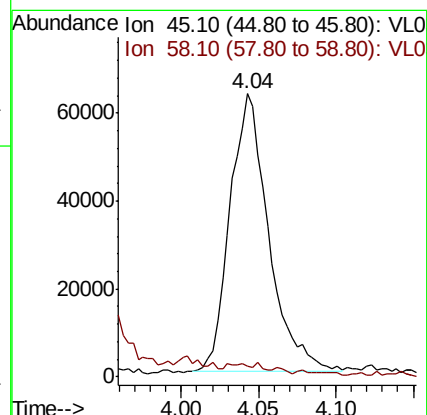
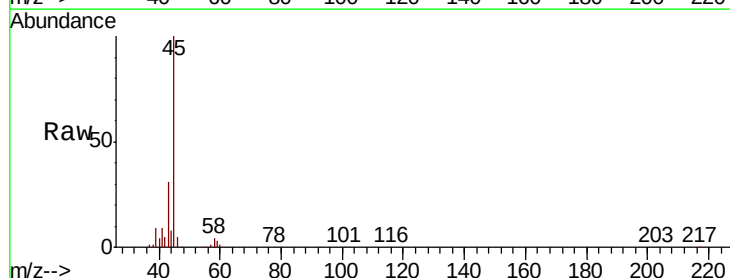
Acq: 12 Oct 2018 2:49

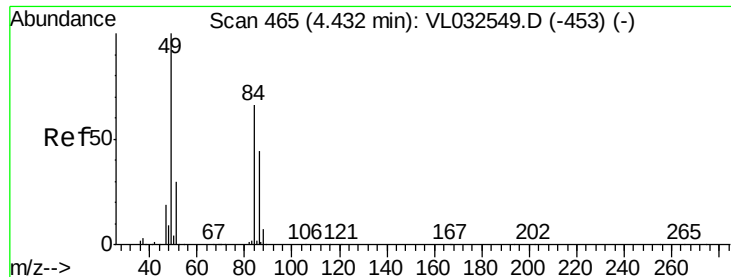
Tgt Ion: 45 Resp: 110099

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

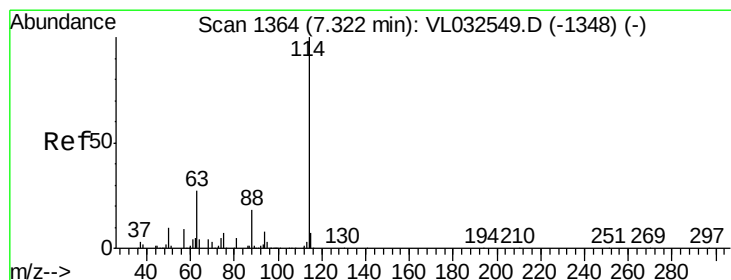
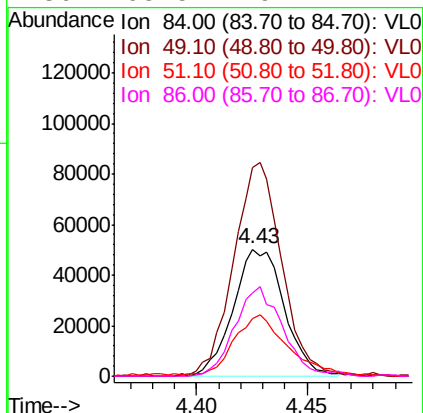
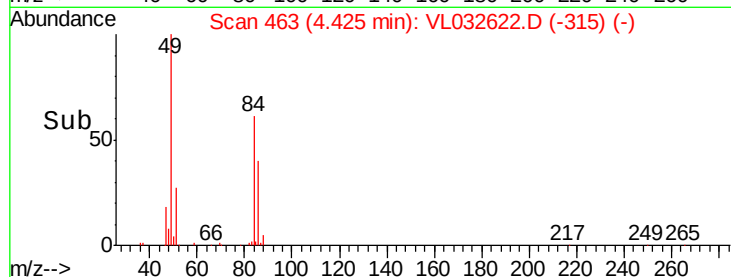
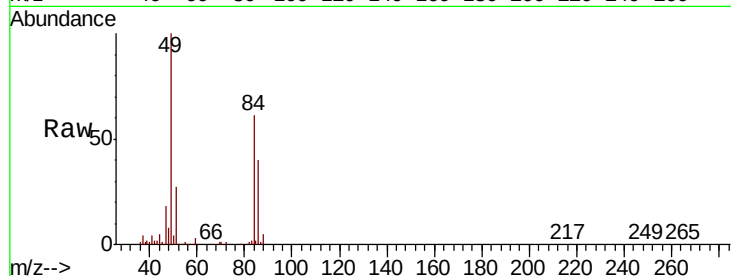




#20
Methylene Chloride
Concen: 1.385 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL032622.D
Acq: 12 Oct 2018 2:49

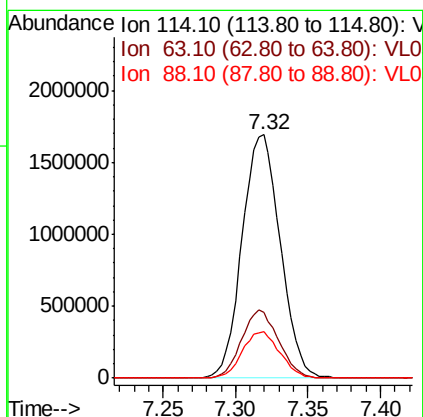
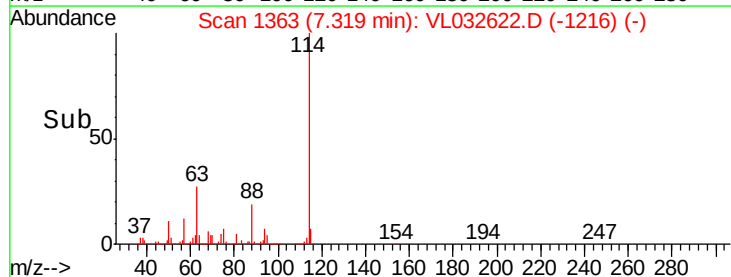
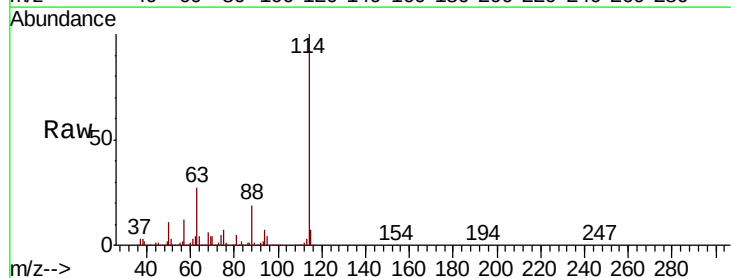
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Q4-SVI-100518DL

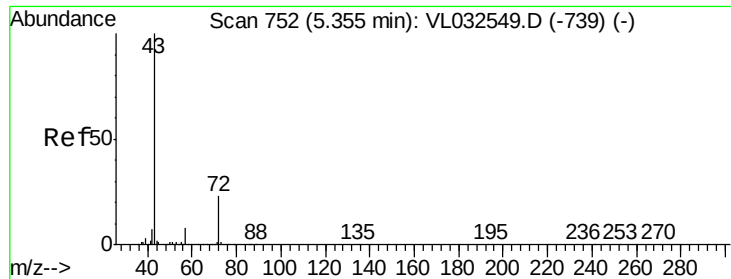
Tot Ion: 84 Resp: 81240
Ion Ratio Lower Upper
84 100
49 163.2 119.1 178.7
51 43.5 35.2 52.8
86 65.5 49.4 74.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032622.D
Acq: 12 Oct 2018 2:49

Tgt Ion: 114 Resp: 3103037
Ion Ratio Lower Upper
114 100
63 27.2 22.2 33.4
88 18.7 15.0 22.4

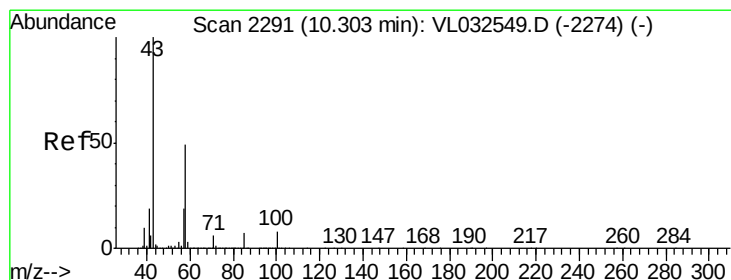
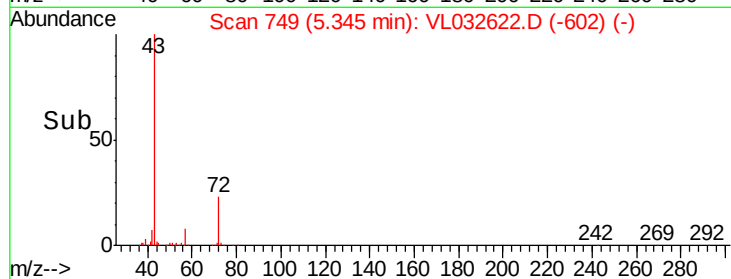
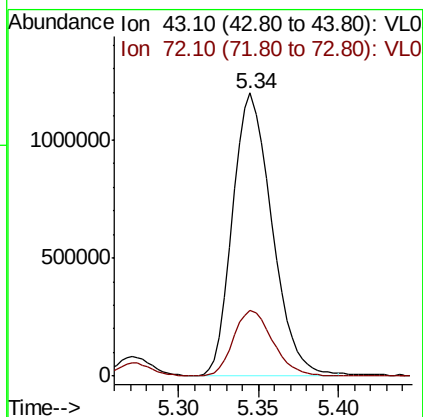
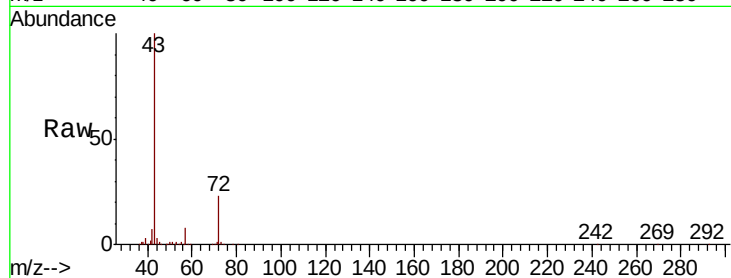




#34
2-Butanone
Concen: 10.842 ppbv
RT: 5.34 min Scan# 749
Delta R.T. -0.03 min
Lab File: VL032622.D
Acq: 12 Oct 2018 2:49

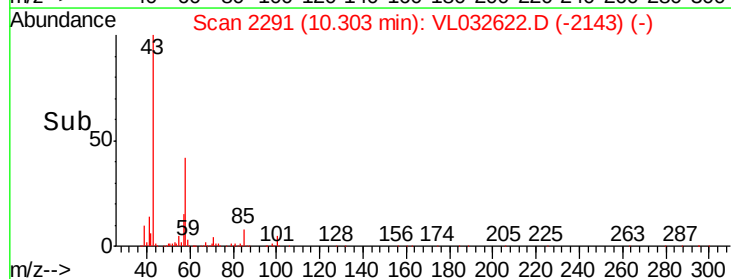
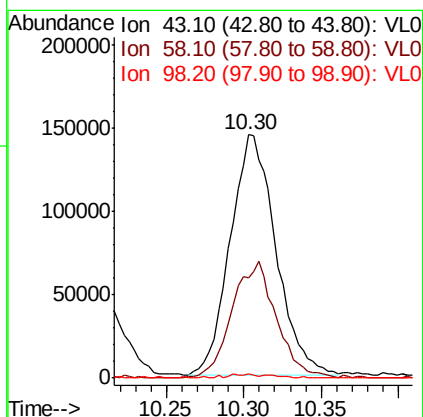
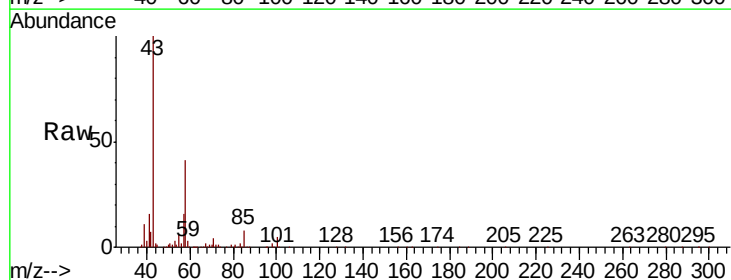
Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518DL

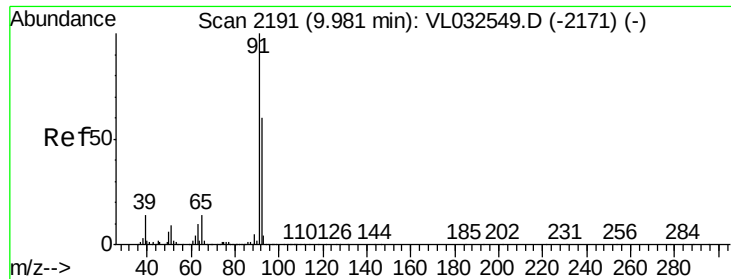
Tot Ion: 43 Resp: 2003464
Ion Ratio Lower Upper
43 100
72 23.5 17.8 26.6



#51
2-Hexanone
Concen: 1.235 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL032622.D
Acq: 12 Oct 2018 2:49

Tgt Ion: 43 Resp: 296646
Ion Ratio Lower Upper
43 100
58 47.8 39.2 58.8
98 1.7 0.4 0.6#





#53

Toluene

Concen: 0.227 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. -0.03 min

Lab File: VL032622.D

Acq: 12 Oct 2018 2:49

Instrument :

MSVOA_L

ClientSampleId :

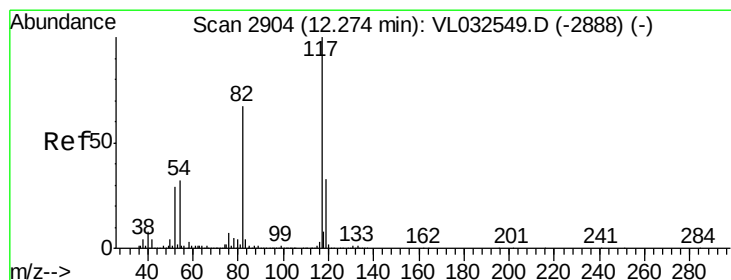
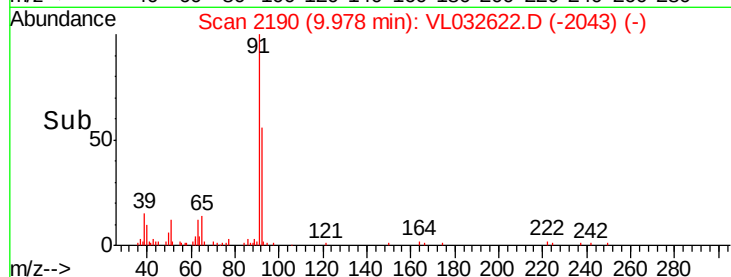
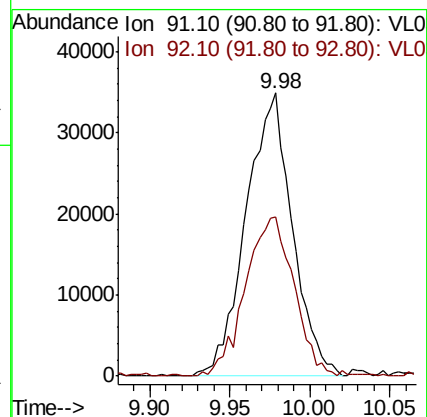
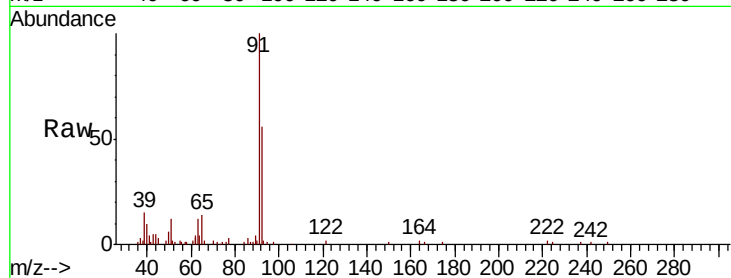
Q4-SVI-100518DL

Tot Ion: 91 Resp: 69223

Ion Ratio Lower Upper

91 100

92 59.5 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2902

Delta R.T. -0.03 min

Lab File: VL032622.D

Acq: 12 Oct 2018 2:49

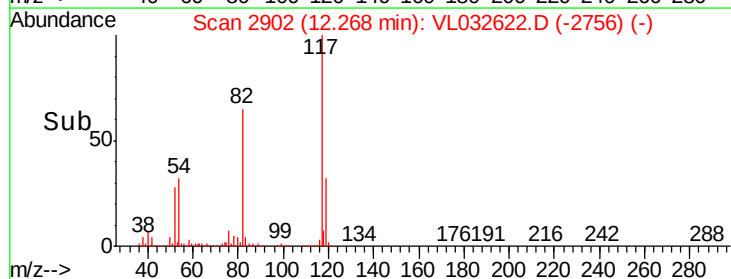
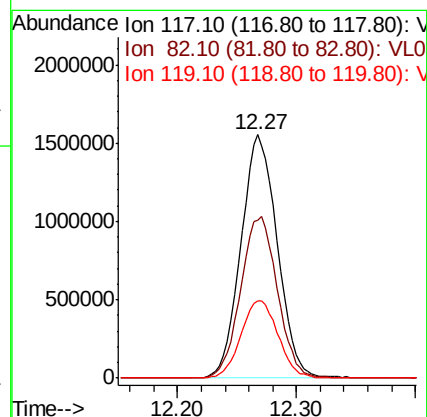
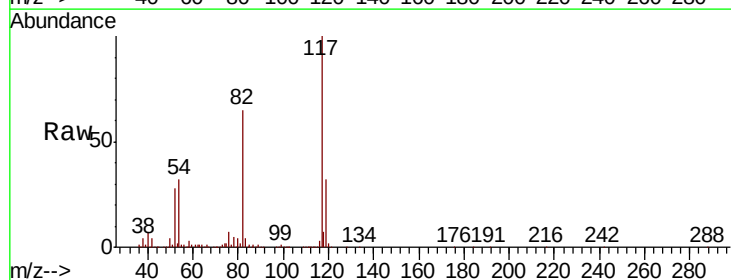
Tgt Ion: 117 Resp: 3286504

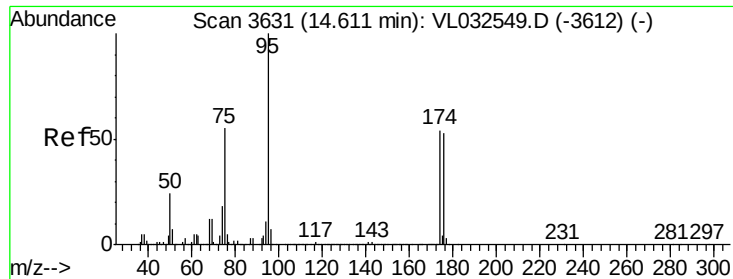
Ion Ratio Lower Upper

117 100

82 67.3 53.0 79.6

119 32.6 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.587 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032622.D

Acq: 12 Oct 2018 2:49

Instrument :

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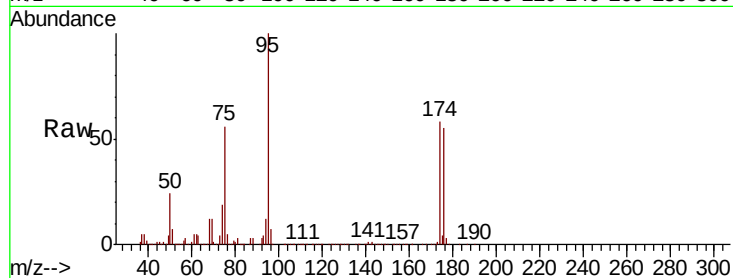
Tot Ion: 95 Resp: 2375955

Ion Ratio Lower Upper

95 100

174 58.1 46.3 69.5

175 4.3 3.4 5.0



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

