

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032623.D
 Acq On : 12 Oct 2018 3:29
 Operator : SY/AP
 Sample : J5370-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 Q4-SVI-100518DL

Manual Integrations
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 10/12/2018 2:07:47 PM

Quant Time: Oct 12 07:59:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 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	5.78	49	1287415	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.32	114	2901578	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3077230	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.61	95	2223160	9.58	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	59007	1.270	ppbv	96
13) Ethanol	3.67	45	49532m	3.547	ppbv	
15) Acetone	3.91	43	736678	6.519	ppbv	95
17) tert-Butyl alcohol	4.39	59	20806m	1.465	ppbv	
19) Isopropyl Alcohol	4.05	45	23779m	0.302	ppbv	
20) Methylene Chloride	4.43	84	27685	0.506	ppbv	93
34) 2-Butanone	5.35	43	424604	2.457	ppbv	98

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

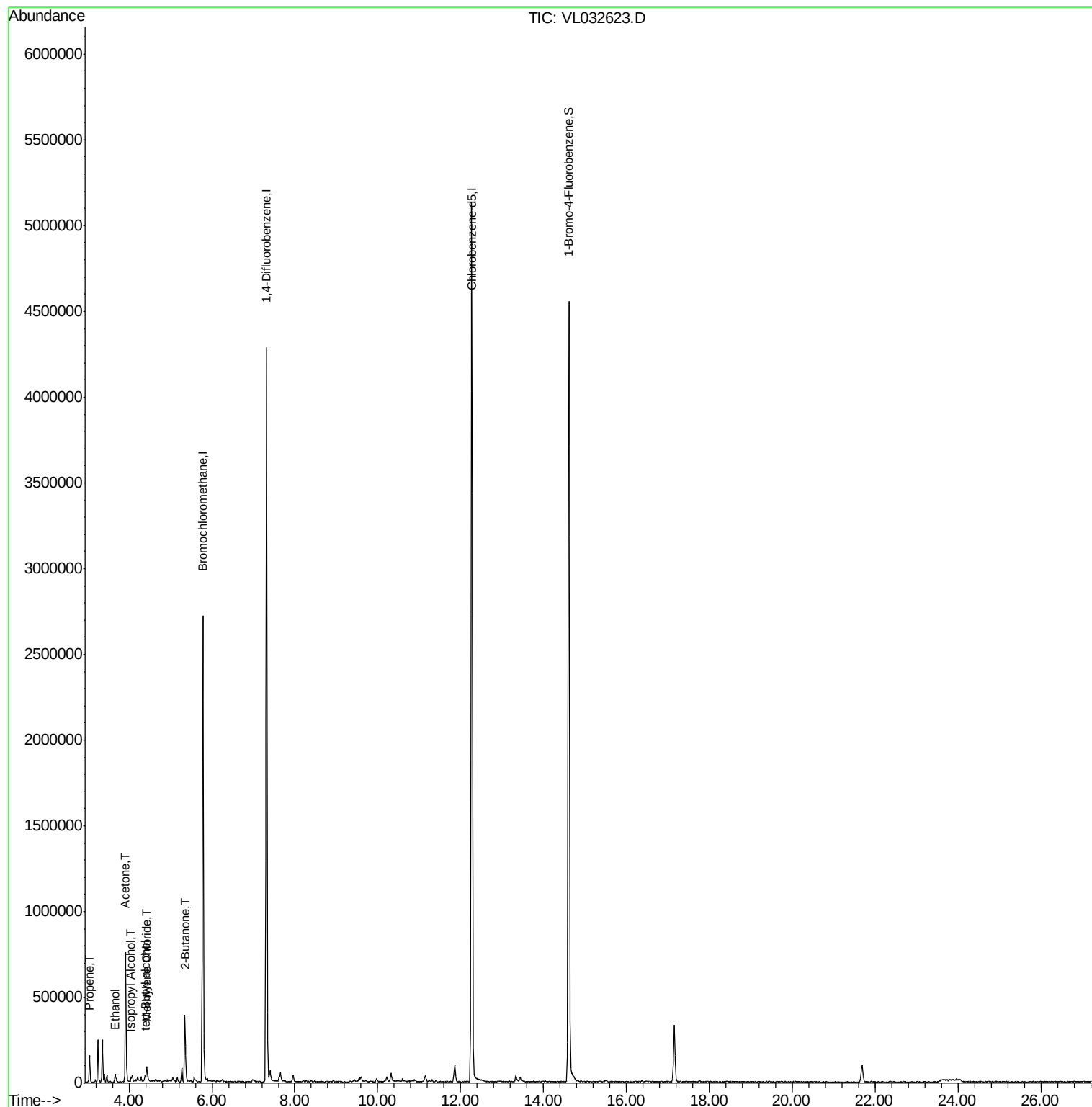
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101118\
Data File : VL032623.D
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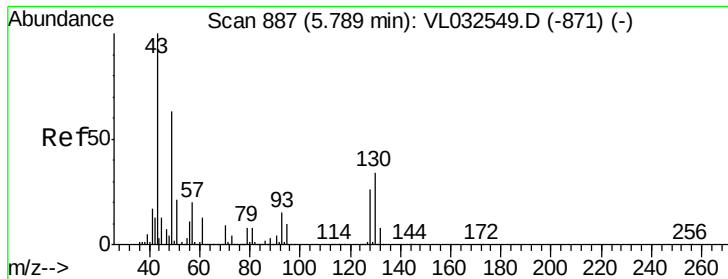
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.03 min

Lab File: VL032623.D

Acq: 12 Oct 2018 3:29

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518DL

Tot Ion: 49 Resp: 1287415

Ion Ratio Lower Upper

49 100

128 45.1 20.7 62.1

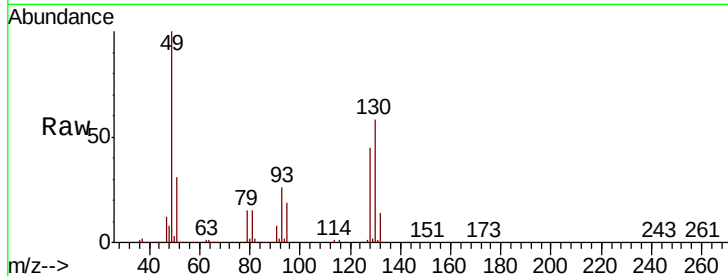
130 58.1 26.6 79.7

Manual Integrations

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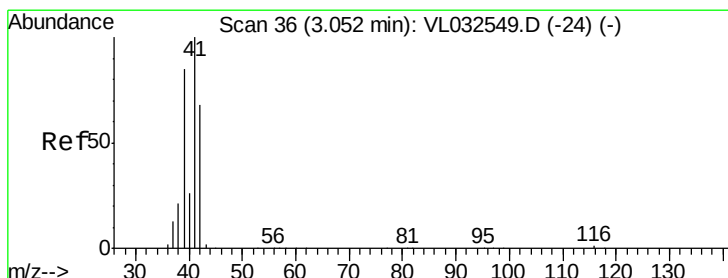
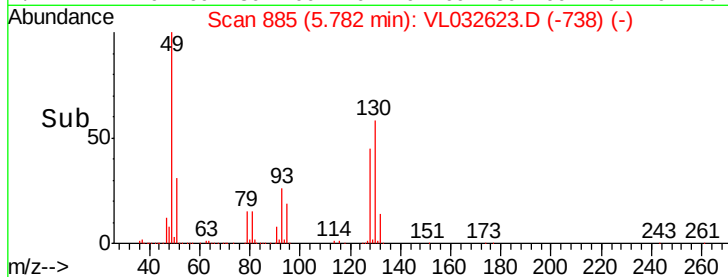
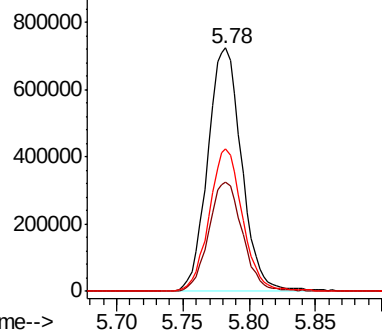
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 1.270 ppbv

RT: 3.05 min Scan# 34

Delta R.T. -0.02 min

Lab File: VL032623.D

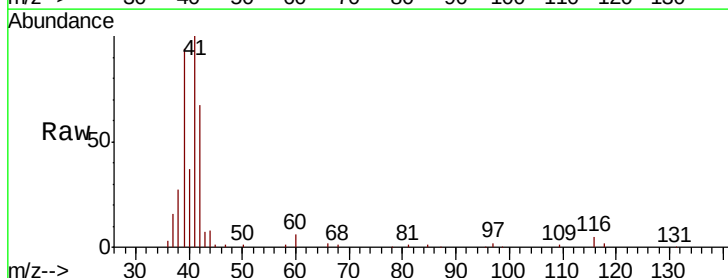
Acq: 12 Oct 2018 3:29

Tgt Ion: 41 Resp: 59007

Ion Ratio Lower Upper

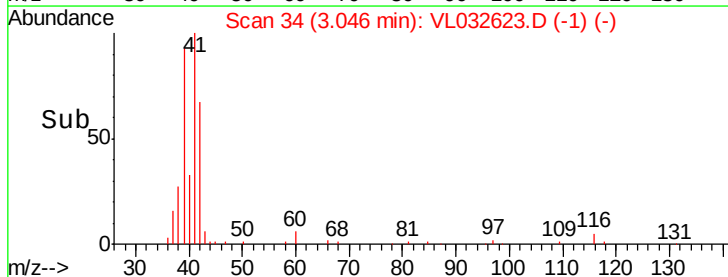
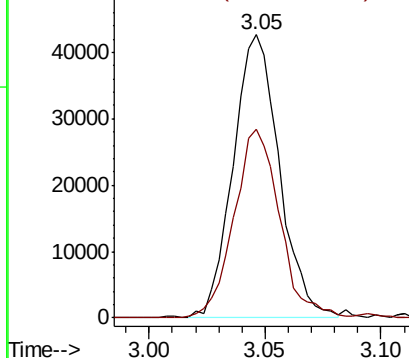
41 100

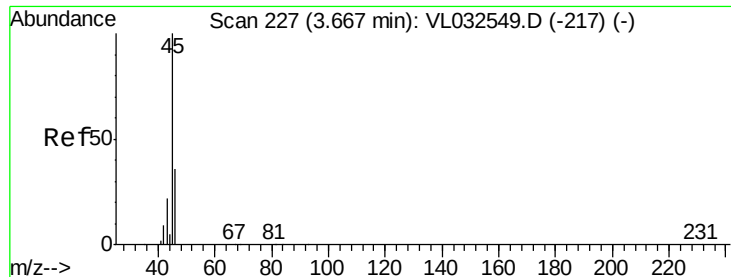
42 67.6 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 3.547 ppbv m

RT: 3.67 min Scan# 229

Delta R.T. -0.01 min

Lab File: VL032623.D

Acq: 12 Oct 2018 3:29

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518DL

Tot Ion: 45 Resp: 49532

Ion Ratio Lower Upper

45 100

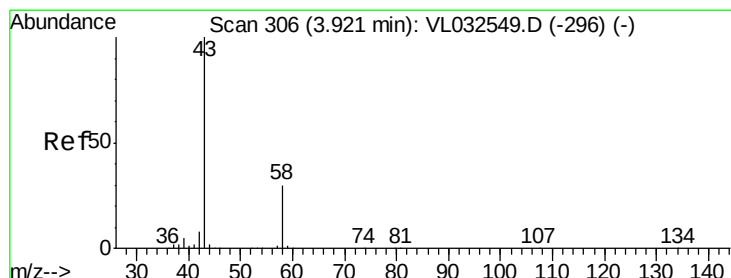
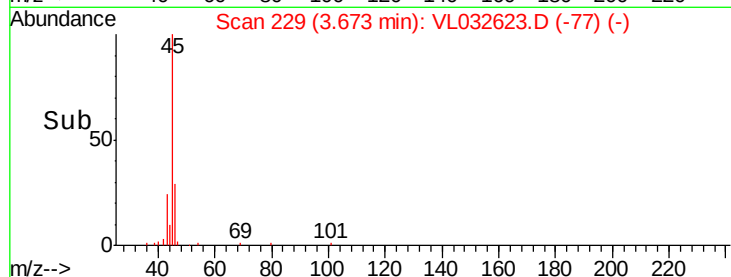
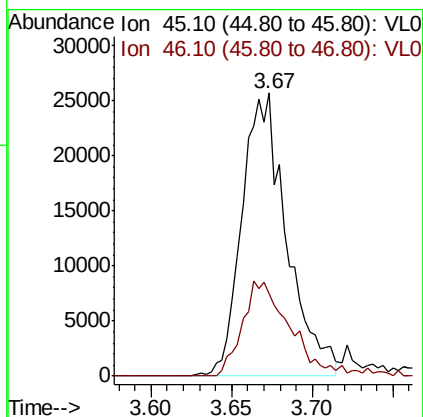
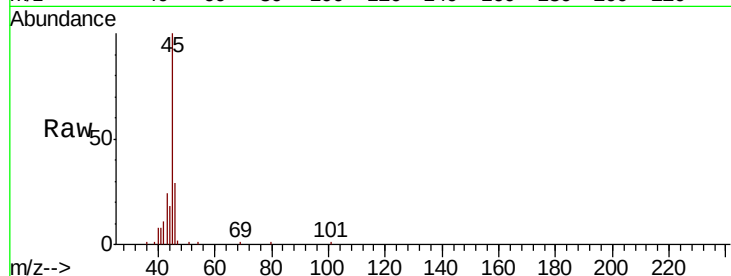
46 36.6 14.2 56.8

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#15

Acetone

Concen: 6.519 ppbv

RT: 3.91 min Scan# 304

Delta R.T. -0.02 min

Lab File: VL032623.D

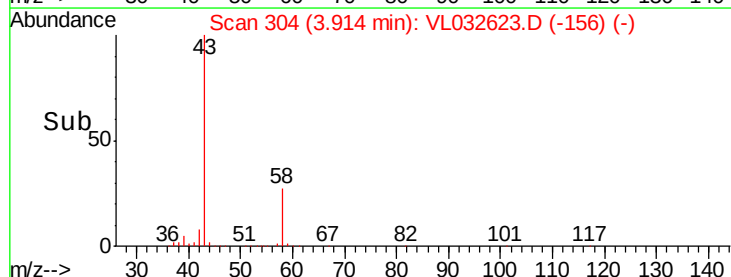
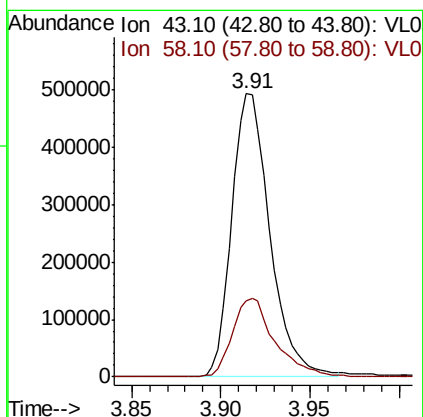
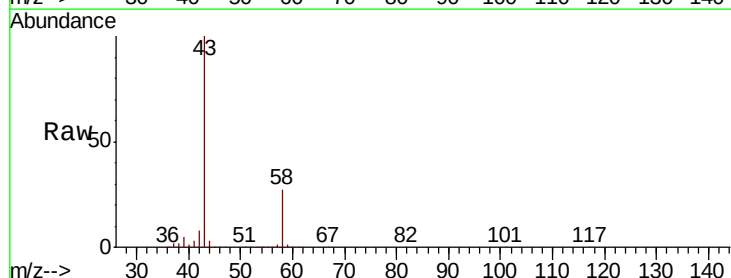
Acq: 12 Oct 2018 3:29

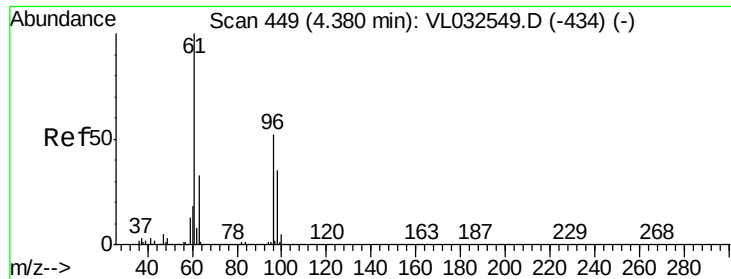
Tgt Ion: 43 Resp: 736678

Ion Ratio Lower Upper

43 100

58 31.1 22.6 33.8





#17

tert-Butyl alcohol

Concen: 1.465 ppbv m

RT: 4.39 min Scan# 453

Delta R.T. -0.01 min

Lab File: VL032623.D

Acq: 12 Oct 2018 3:29

Instrument :

MSVOA_L

ClientSampleID :

Q4-SVI-100518DL

Tot Ion: 59 Resp: 20806

Ion Ratio Lower Upper

59 100

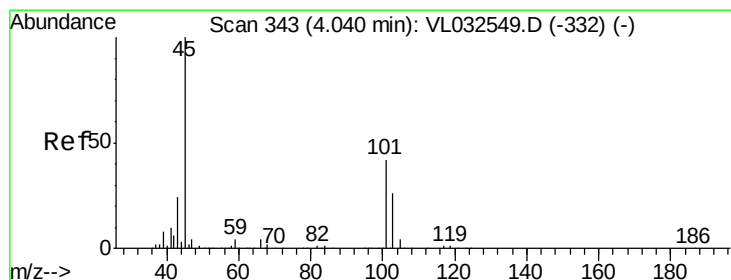
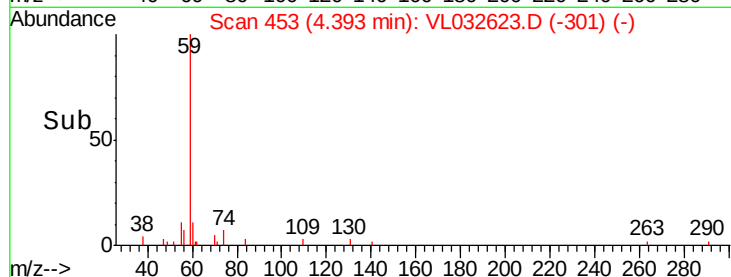
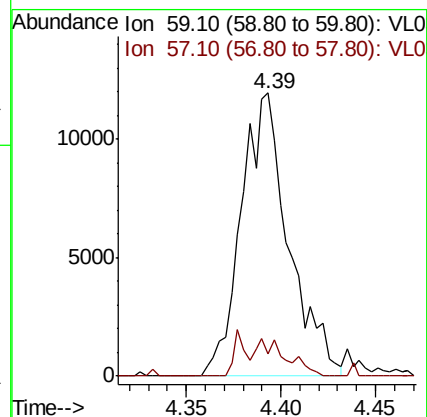
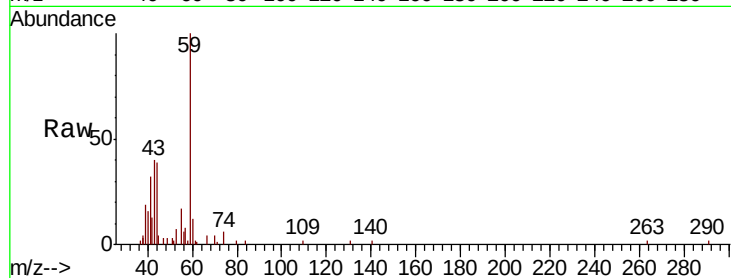
57 12.4 0.0 0.0#

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#19

Isopropyl Alcohol

Concen: 0.302 ppbv m

RT: 4.05 min Scan# 346

Delta R.T. -0.01 min

Lab File: VL032623.D

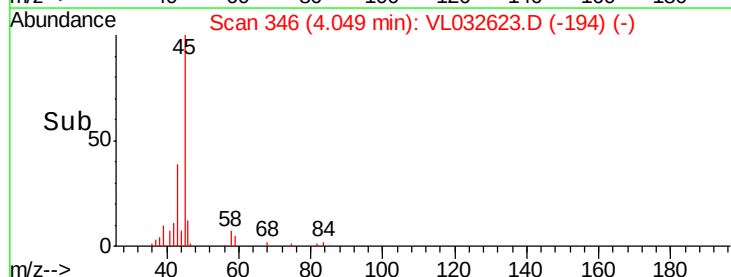
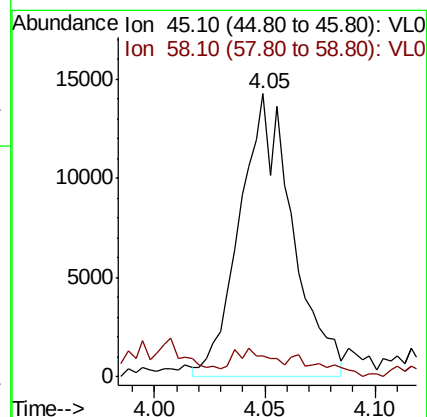
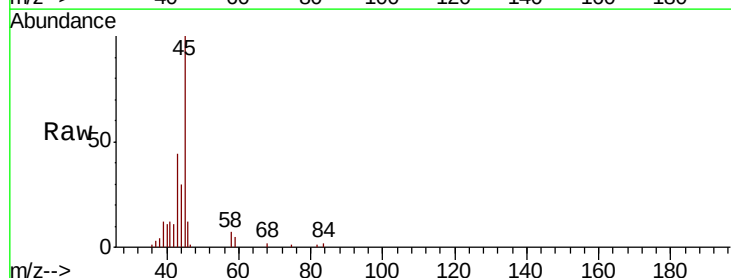
Acq: 12 Oct 2018 3:29

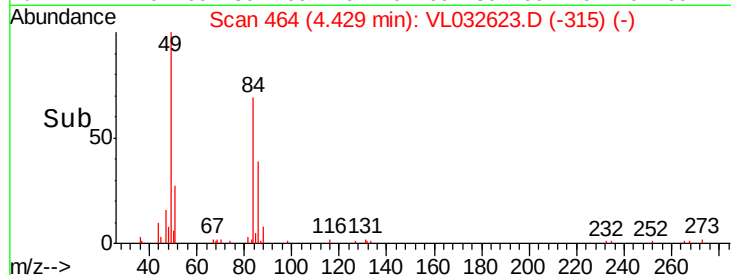
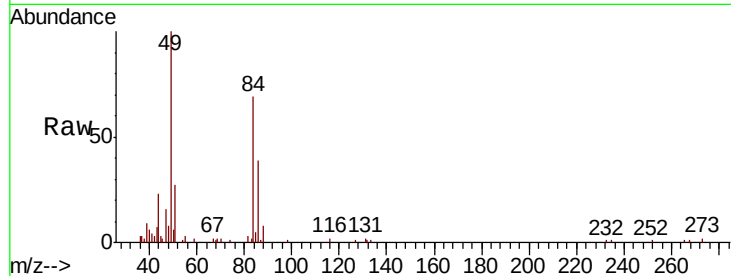
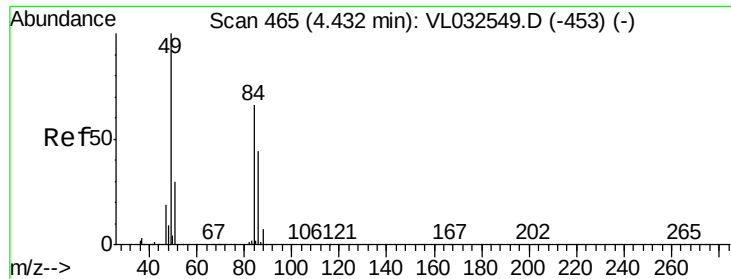
Tgt Ion: 45 Resp: 23779

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#





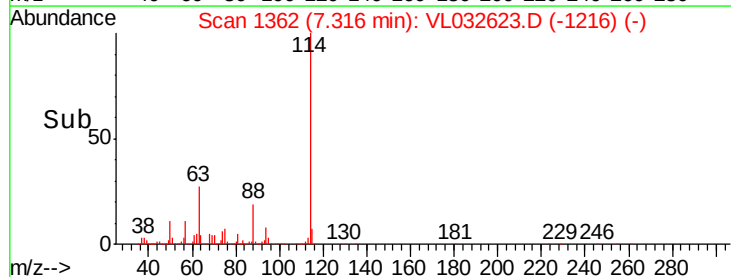
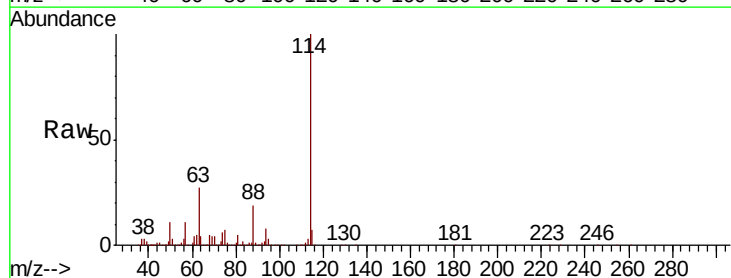
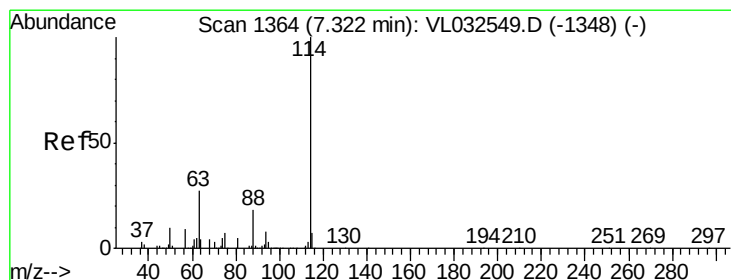
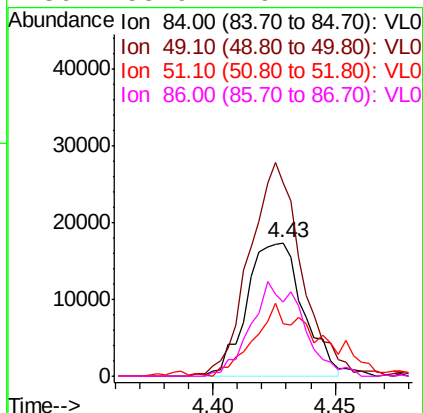
#20
Methylene Chloride
Concen: 0.506 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032623.D
Acq: 12 Oct 2018 3:29

Tot Ion	84	Resp	27685
Ion	Ratio	Lower	Upper
84	100		
49	141.0	119.1	178.7
51	38.1	35.2	52.8
86	55.9	49.4	74.2

Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518DL

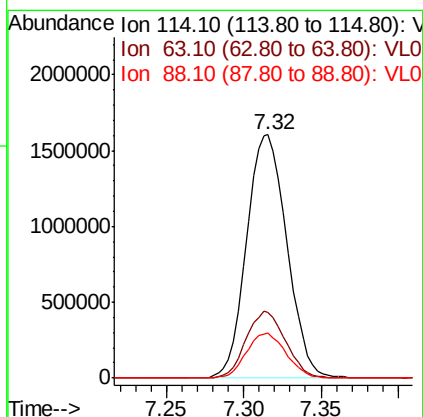
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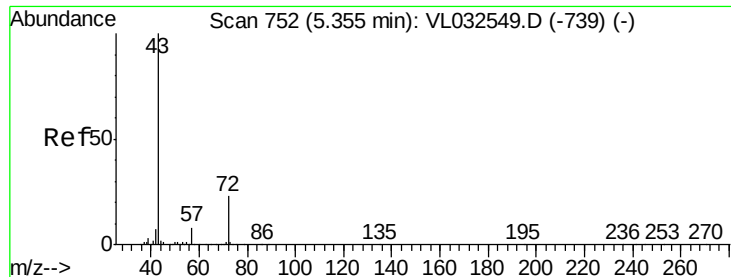
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032623.D
Acq: 12 Oct 2018 3:29

Tgt Ion	114	Resp	2901578
Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	18.3	15.0	22.4





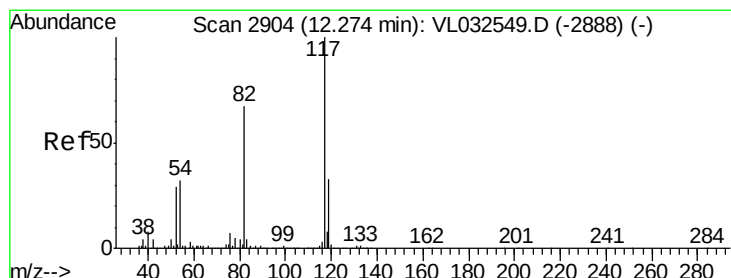
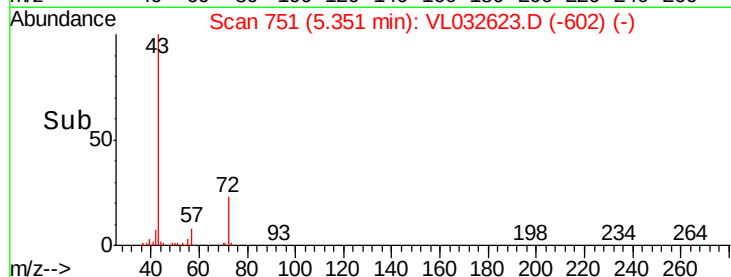
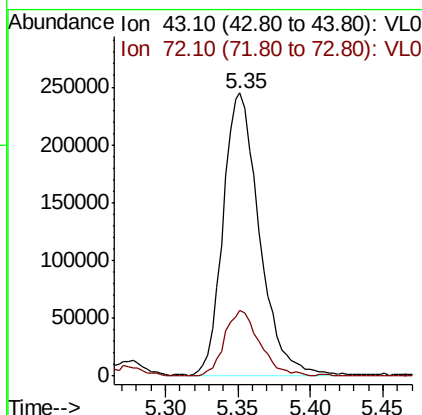
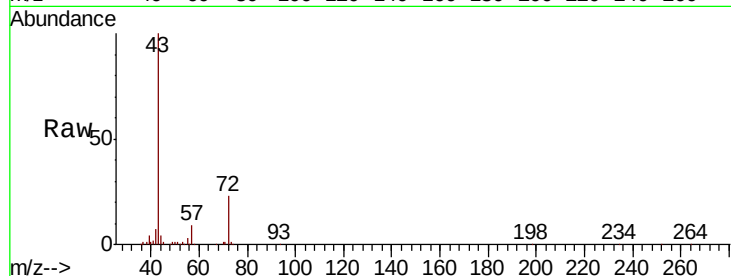
#34
2-Butanone
Concen: 2.457 ppbv
RT: 5.35 min Scan# 751
Delta R.T. -0.02 min
Lab File: VL032623.D
Acq: 12 Oct 2018 3:29

Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518DL

Tot Ion: 43 Resp: 424604
Ion Ratio Lower Upper
43 100
72 23.2 17.8 26.6

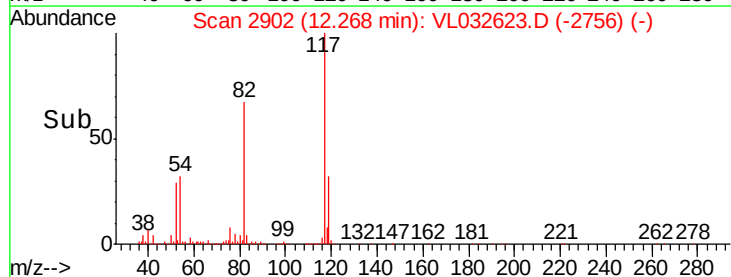
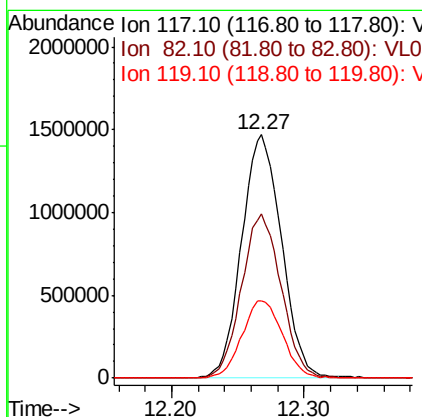
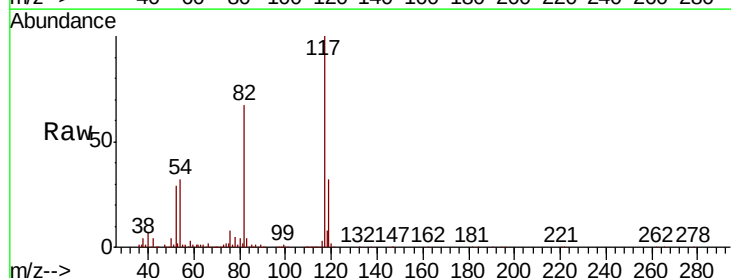
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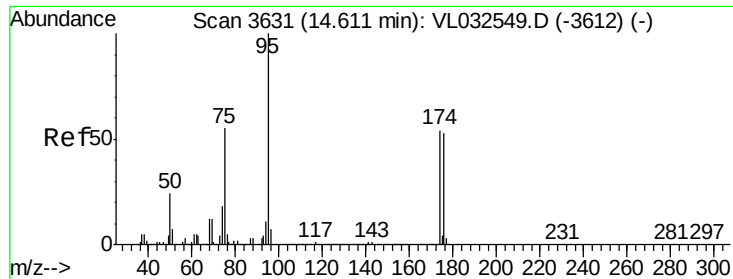
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032623.D
Acq: 12 Oct 2018 3:29

Tgt Ion: 117 Resp: 3077230
Ion Ratio Lower Upper
117 100
82 67.4 53.0 79.6
119 32.5 45.9 68.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.580 ppbv
 RT: 14.61 min Scan# 3629
 Delta R.T. -0.03 min
 Lab File: VL032623.D
 Acq: 12 Oct 2018 3:29

Instrument :
 MSVOA_L
 ClientSampleId :
 Q4-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	58.7	46.3	69.5
175	4.3	3.4	5.0

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