

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032678.D
 Acq On : 19 Oct 2018 10:58
 Operator : SY/AP
 Sample : J5581-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

Manual Integrations
 APPROVED

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 10/24/2018 12:06:33 PM

Quant Time: Oct 19 23:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1570708	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3656891	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3583761	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2696940	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.03	51	42999	0.350	ppbv #	89
13) Ethanol	3.66	45	185136	12.814	ppbv	98
15) Acetone	3.92	43	179022	1.234	ppbv	98
19) Isopropyl Alcohol	4.05	45	207544m	2.009	ppbv	
20) Methylene Chloride	4.42	84	37815	0.514	ppbv	88
26) Hexane	5.80	57	44298	0.280	ppbv #	51
53) Toluene	9.96	91	124710	0.366	ppbv	99

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

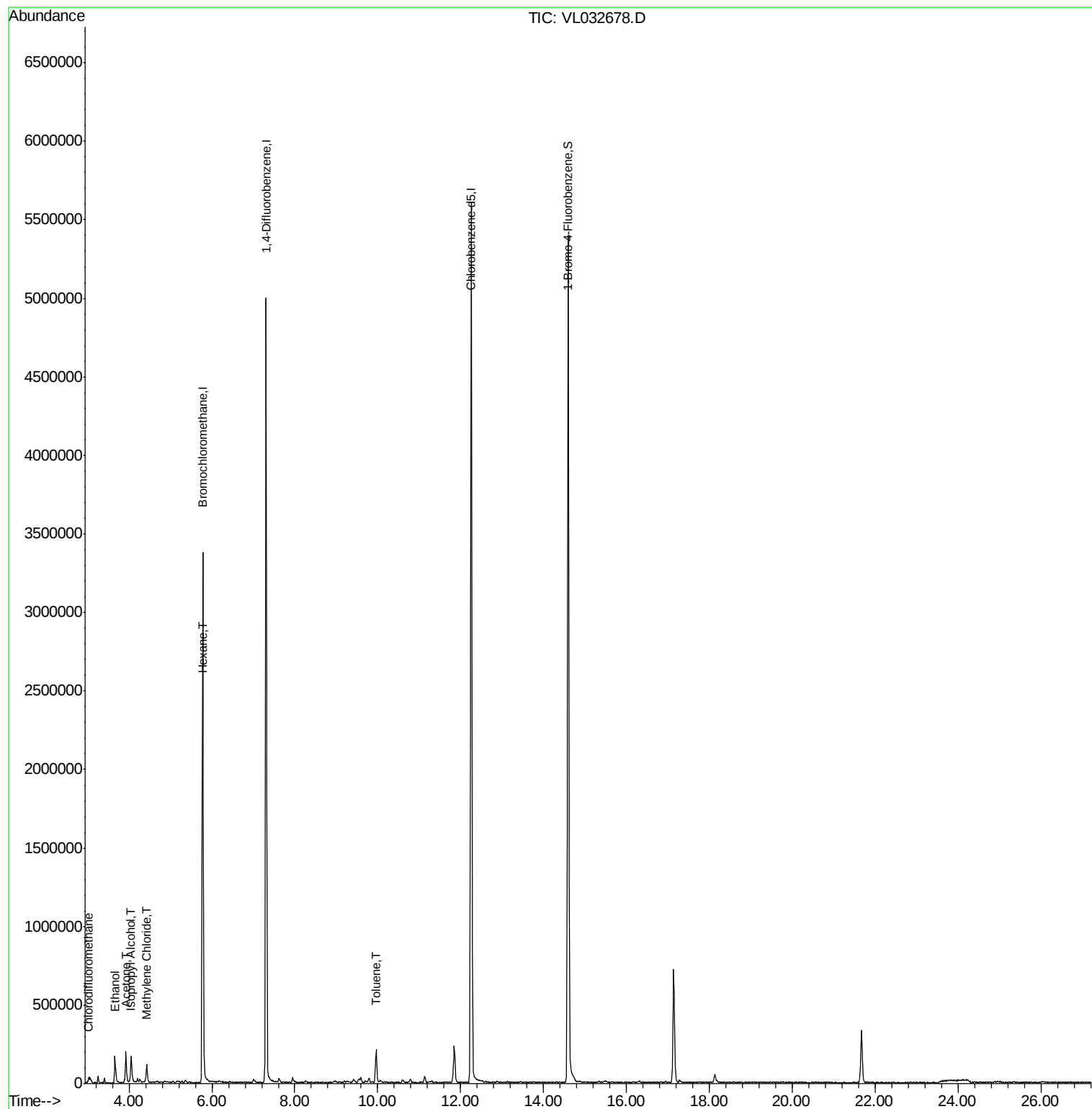
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101818\
Data File : VL032678.D
Acq On : 19 Oct 2018 10:58
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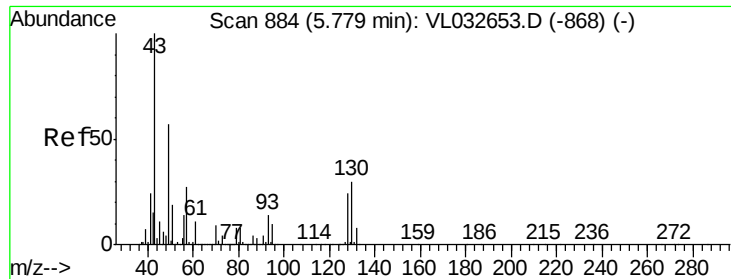
Instrument :
MSVOA_L
ClientSampleId :
A-5DL

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Quant Time: Oct 19 23:36:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

Instrument :

MSVOA_L

ClientSampled :

A-5DL

Tot Ion: 49 Resp: 1570708

Ion Ratio Lower Upper

49 100

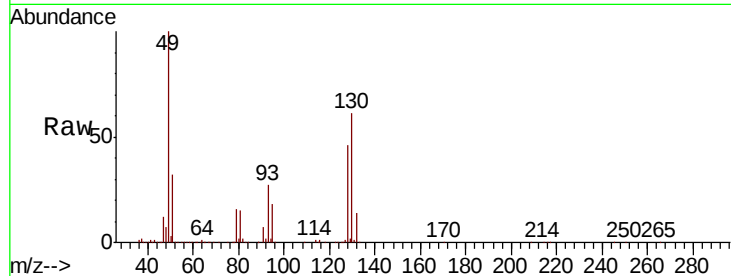
128 49.5 22.3 66.8

130 63.2 28.4 85.3

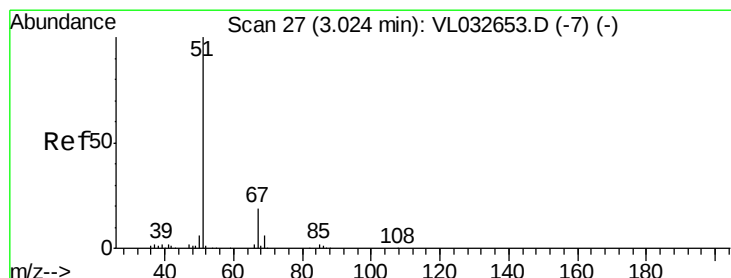
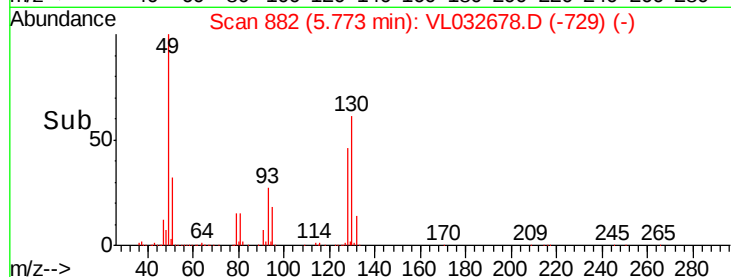
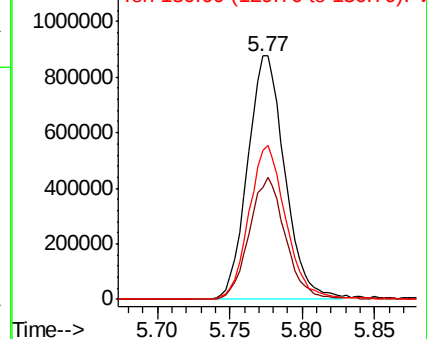
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.350 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.00 min

Lab File: VL032678.D

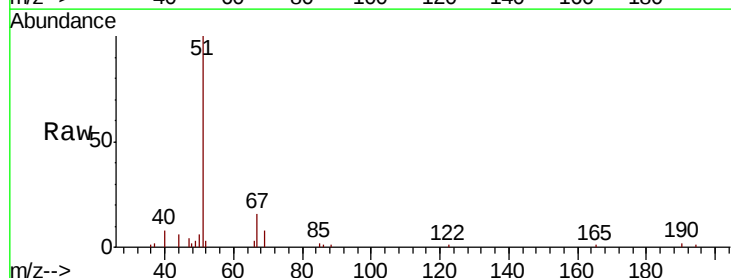
Acq: 19 Oct 2018 10:58

Tgt Ion: 51 Resp: 42999

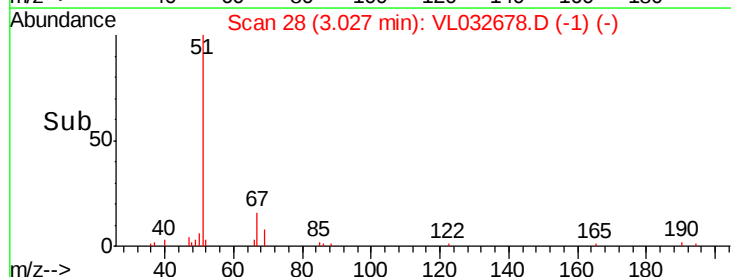
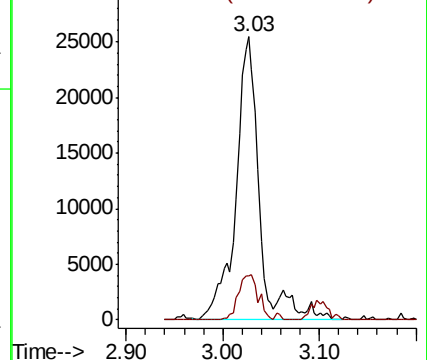
Ion Ratio Lower Upper

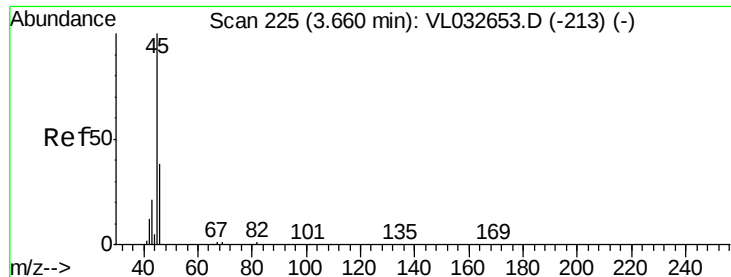
51 100

67 14.1 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





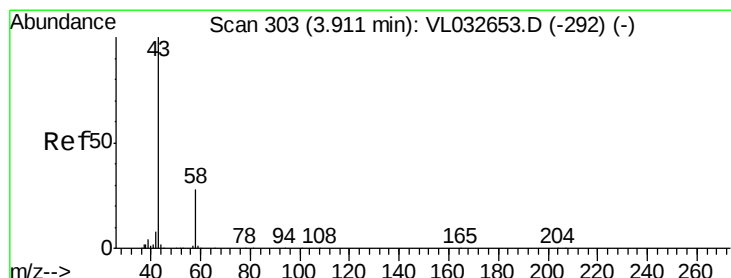
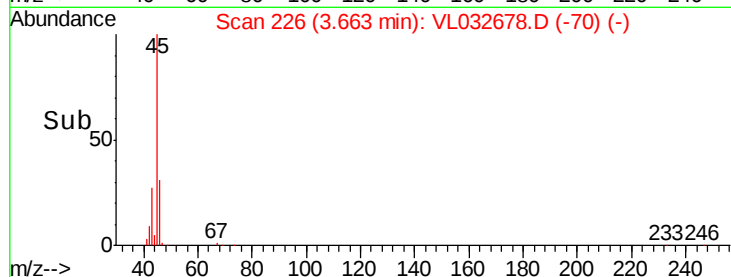
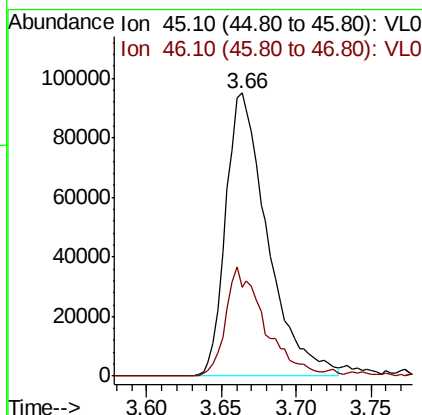
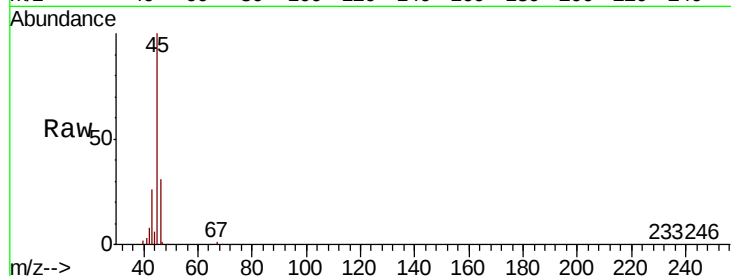
#13
Ethanol
Concen: 12.814 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032678.D
Acq: 19 Oct 2018 10:58

Instrument :
MSVOA_L
ClientSampled :
A-5DL

Tot Ion	45	46	Ratio	100	37.3	Resp	185136	Lower	15.4	Upper	61.8
Ion	45	46	Ratio	100	37.3	Resp	185136	Lower	15.4	Upper	61.8

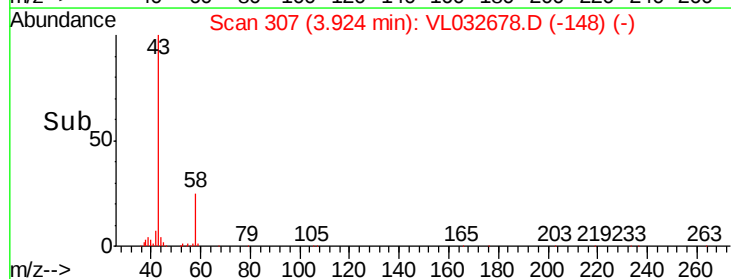
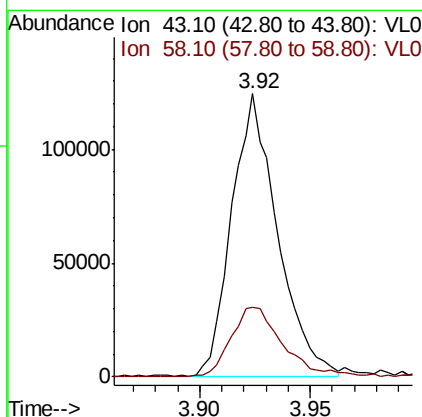
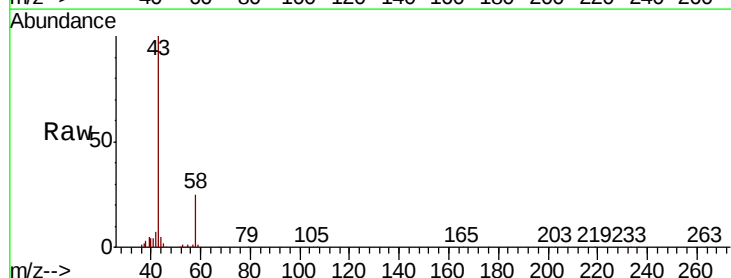
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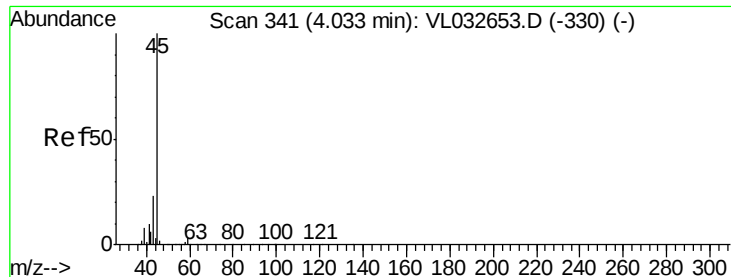
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#15
Acetone
Concen: 1.234 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.01 min
Lab File: VL032678.D
Acq: 19 Oct 2018 10:58

Tgt Ion	43	58	Ratio	100	28.4	Resp	179022	Lower	22.1	Upper	33.1
Ion	43	58	Ratio	100	28.4	Resp	179022	Lower	22.1	Upper	33.1





#19

Isopropyl Alcohol

Concen: 2.009 ppbv m

RT: 4.05 min Scan# 345

Delta R.T. 0.01 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

Instrument :

MSVOA_L

ClientSampled :

A-5DL

Tot Ion: 45 Resp: 207544

Ion Ratio Lower Upper

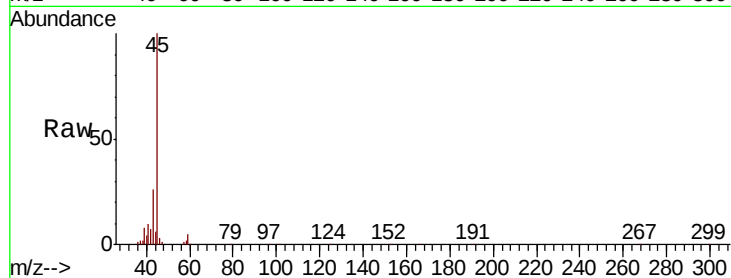
45 100

58 3.1 2.0 3.0#

Manual Integrations
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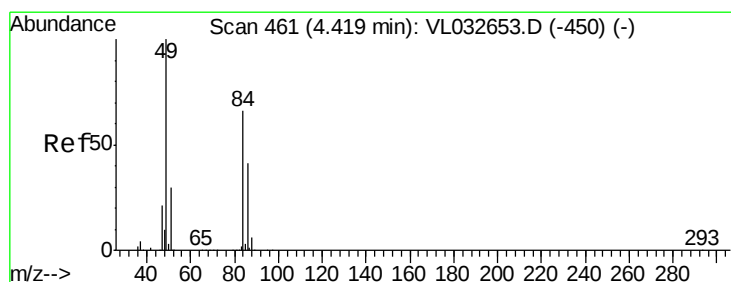
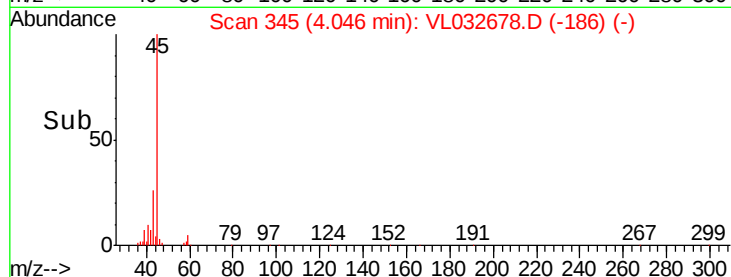
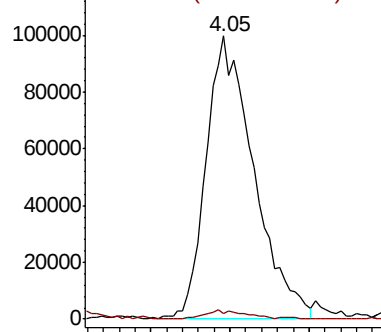
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.514 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

Tgt Ion: 84 Resp: 37815

Ion Ratio Lower Upper

84 100

49 123.8 113.5 170.3

51 40.9 34.8 52.2

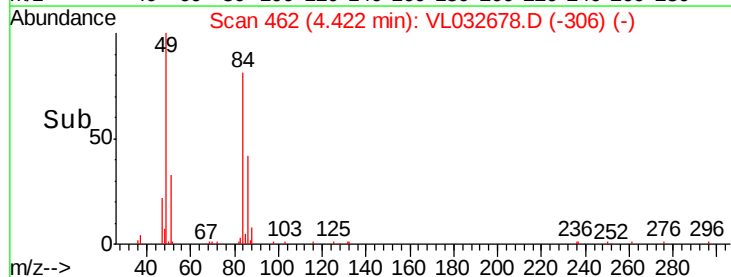
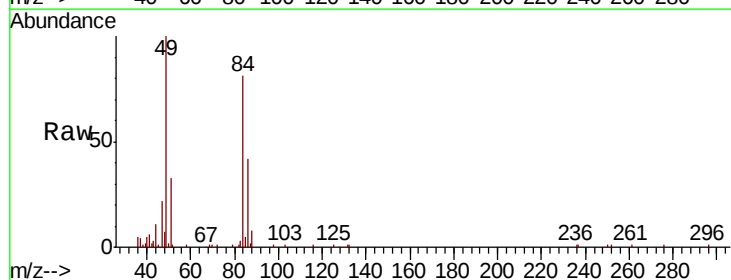
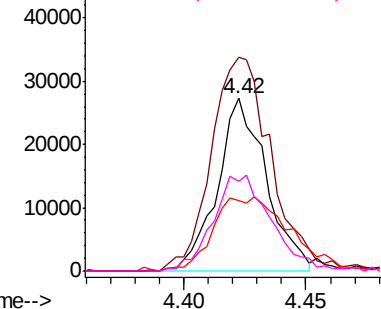
86 51.9 47.9 71.9

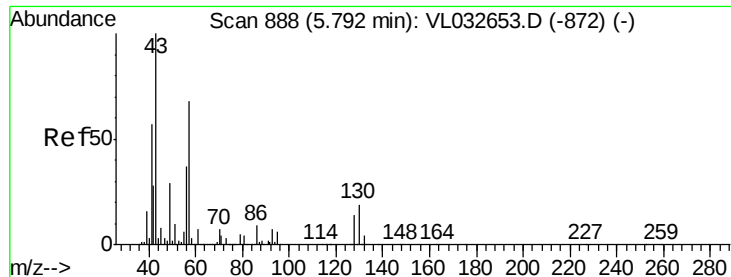
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.280 ppbv

RT: 5.80 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

Instrument :

MSVOA_L

ClientSampleId :

A-5DL

Tot Ion: 57 Resp: 44298

Ion Ratio Lower Upper

57 100

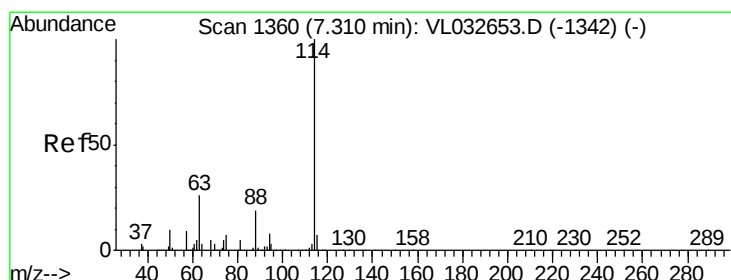
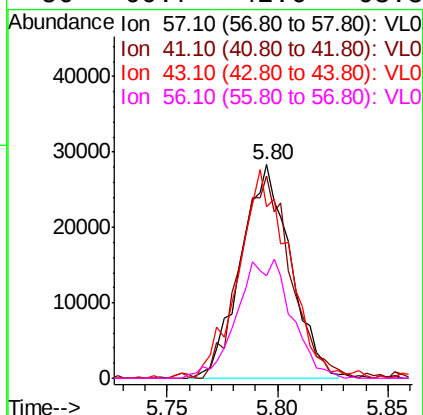
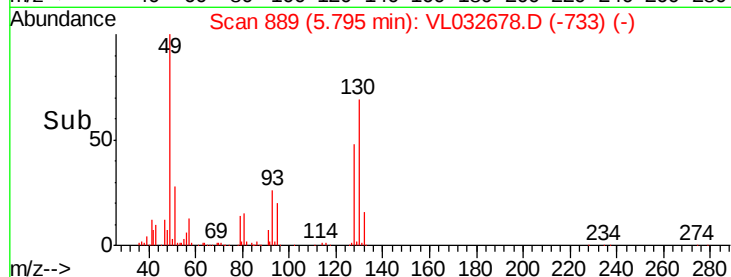
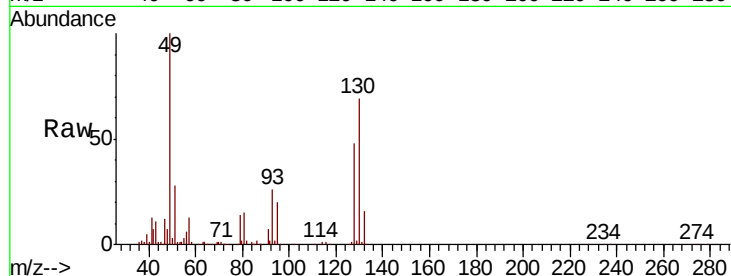
41 99.6 67.4 101.0

43 101.4 171.9 257.9#

56 60.7 42.6 63.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

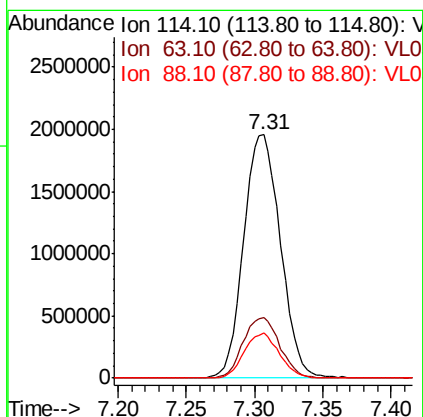
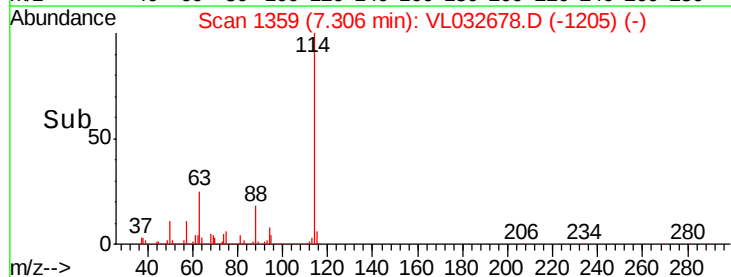
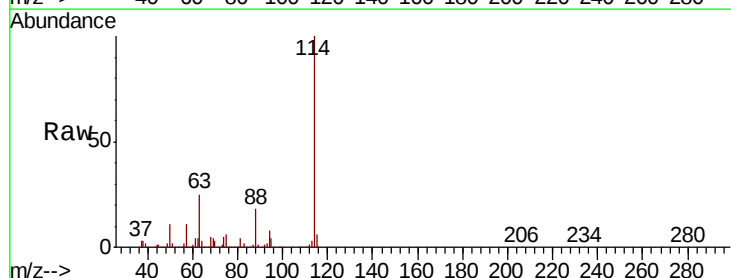
Tgt Ion:114 Resp: 3656891

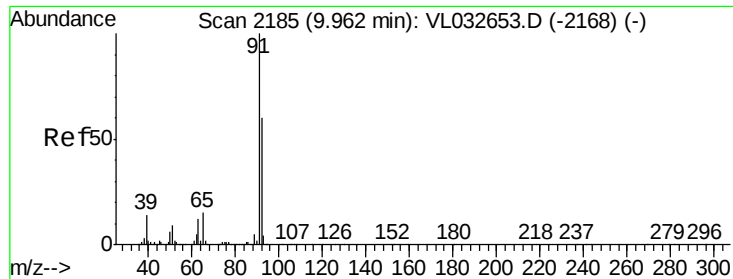
Ion Ratio Lower Upper

114 100

63 25.1 21.7 32.5

88 17.8 14.9 22.3





#53

Toluene

Concen: 0.366 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

Instrument :

MSVOA_L

ClientSampled :

A-5DL

Tot Ion: 91 Resp: 124710

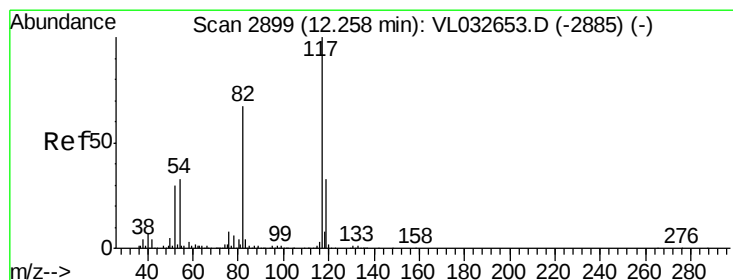
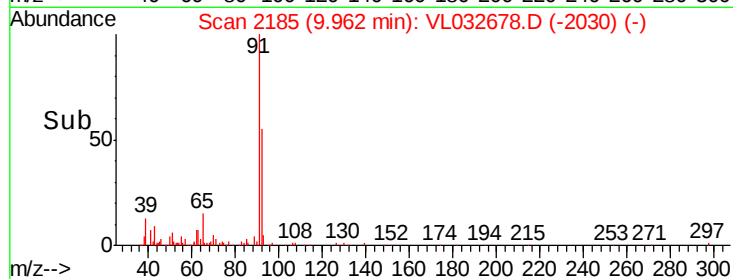
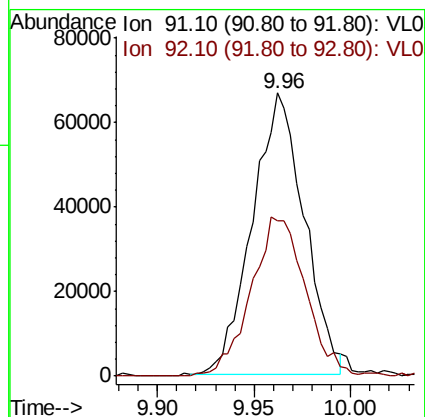
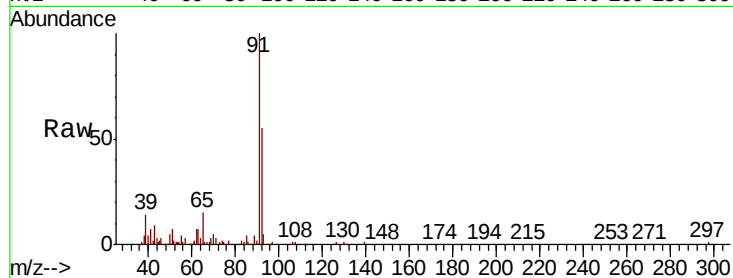
Ion Ratio Lower Upper

91 100

92 59.7 48.4 72.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032678.D

Acq: 19 Oct 2018 10:58

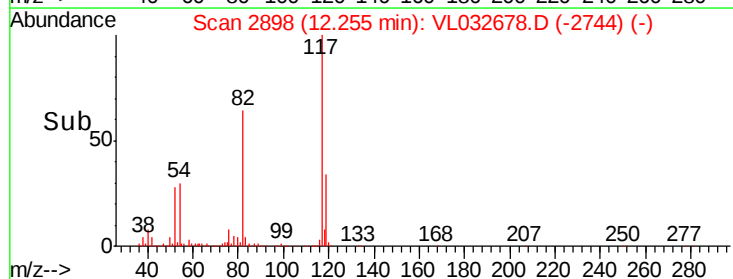
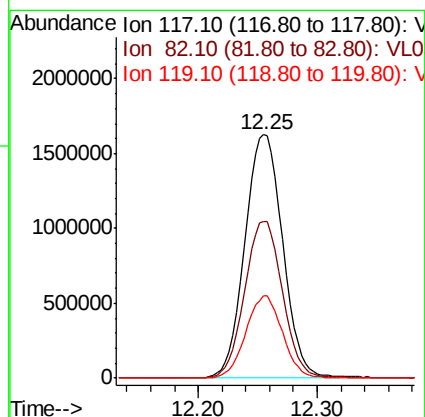
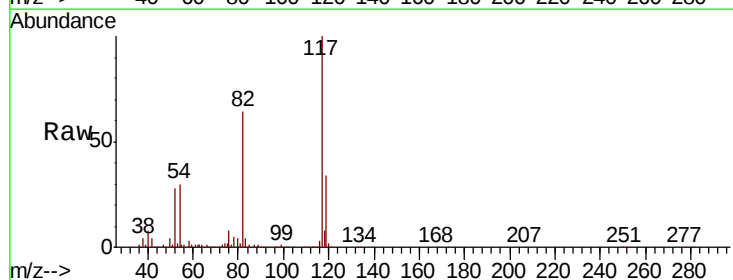
Tgt Ion: 117 Resp: 3583761

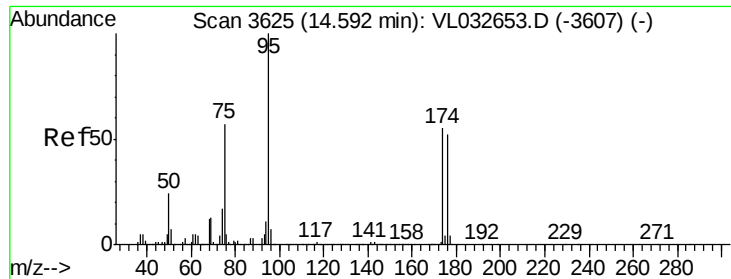
Ion Ratio Lower Upper

117 100

82 64.6 52.7 79.1

119 32.9 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.107 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL032678.D
 Acq: 19 Oct 2018 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5DL

Tot Ion: 95 Resp: 2696940
 Ion Ratio Lower Upper
 95 100
 174 63.6 46.0 69.0
 175 4.7 3.4 5.0

Manual Integrations
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