

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032390.D
 Acq On : 16 Aug 2018 23:44
 Operator : SY/AP
 Sample : J4457-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP1-MIVIDL

Manual Integrations
 APPROVED

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 8/20/2018 3:11:53 PM

Quant Time: Aug 20 10:08:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1842302	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3474133	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3485590	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2646911	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.07	41	228395	3.13	ppbv	93
13) Ethanol	3.70	45	134762	7.18	ppbv	99
15) Acetone	3.95	43	763192	4.36	ppbv	100
19) Isopropyl Alcohol	4.07	45	10236117	86.84	ppbv #	98
26) Hexane	5.83	57	111853	0.67	ppbv #	42
34) 2-Butanone	5.39	43	126937	0.54	ppbv	99
53) Toluene	10.01	91	87028	0.27	ppbv	98

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

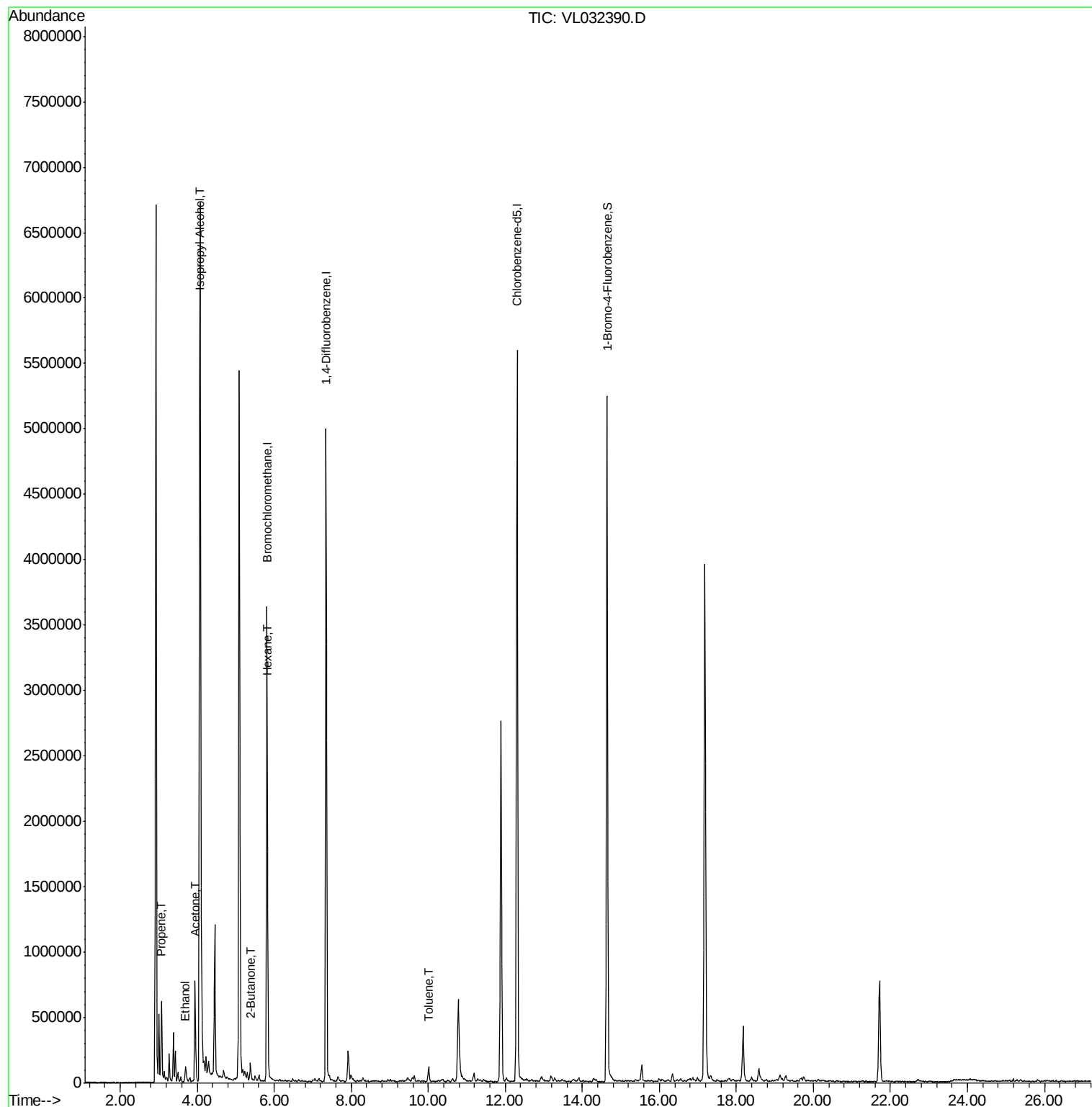
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081618\
Data File : VL032390.D
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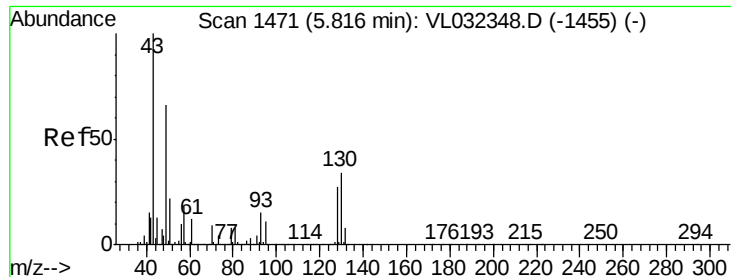
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VL032390.D

Acq: 16 Aug 2018 23:44

Instrument :

MSVOA_L

ClientSampleId :

DUP1-MIVIDL

Tot Ion: 49 Resp: 1842302

Ion Ratio Lower Upper

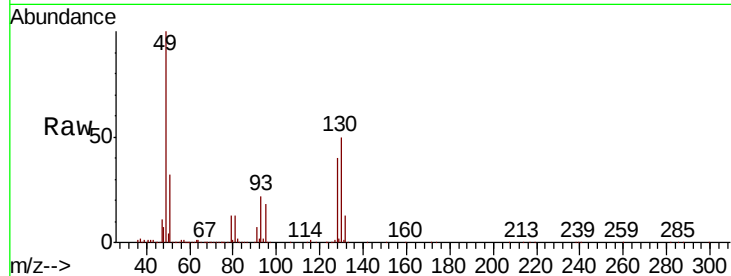
49 100

128 40.4 20.5 61.6

130 51.3 26.2 78.5

Manual Integrations
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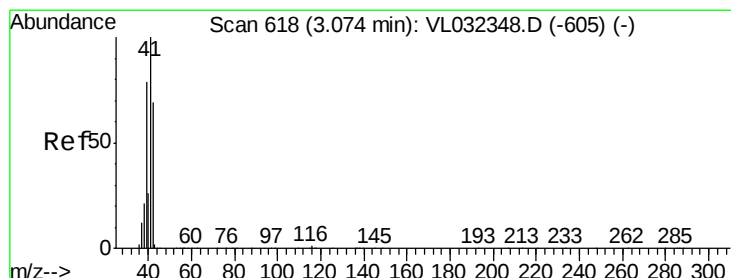
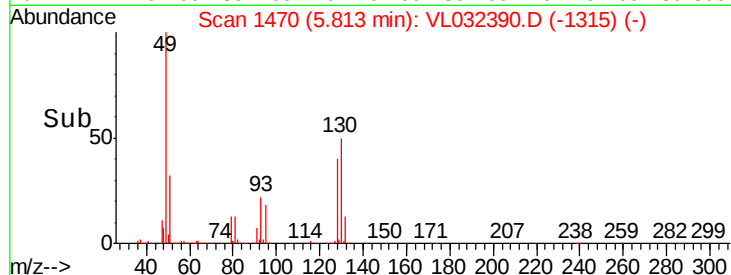
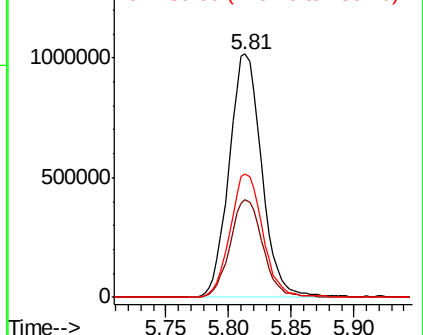
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 3.13 ppbv

RT: 3.07 min Scan# 618

Delta R.T. 0.00 min

Lab File: VL032390.D

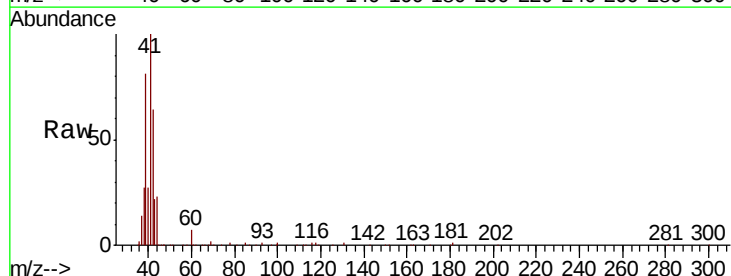
Acq: 16 Aug 2018 23:44

Tgt Ion: 41 Resp: 228395

Ion Ratio Lower Upper

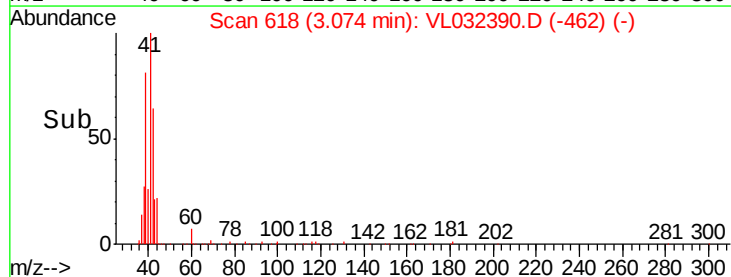
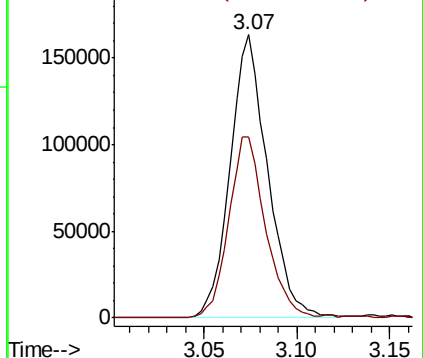
41 100

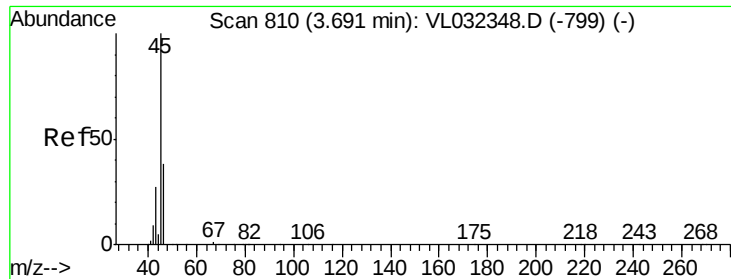
42 64.4 55.9 83.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





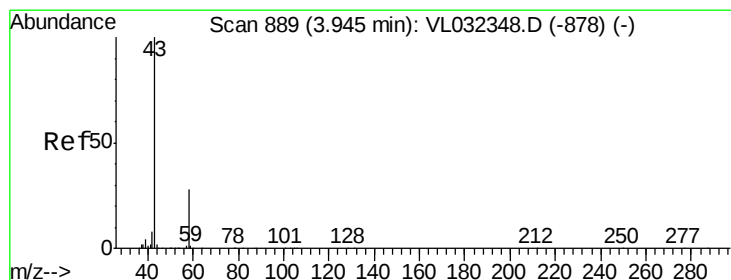
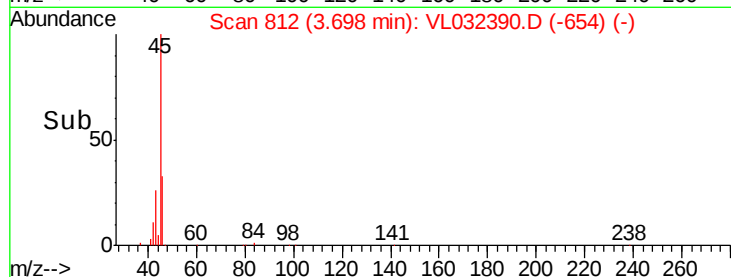
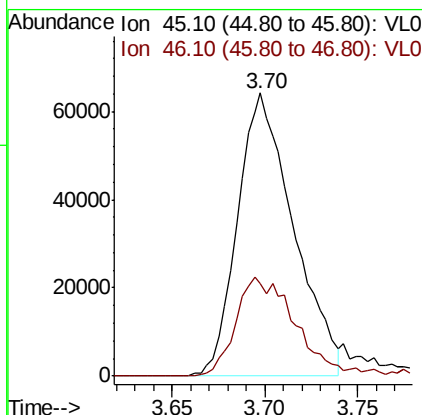
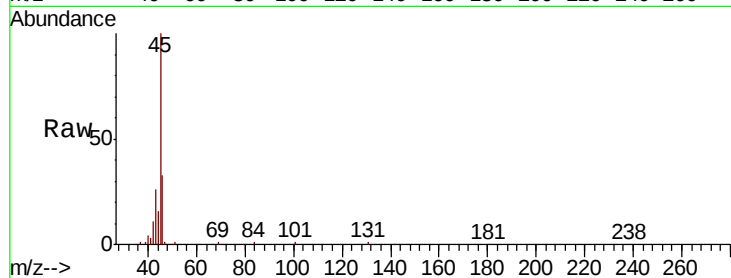
#13
Ethanol
Concen: 7.18 ppbv
RT: 3.70 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Instrument :
MSVOA_L
ClientSampleId :
DUP1-MIVIDL

Tot Ion	45	46	Ratio	Lower	Upper
134762	100	38.4		15.6	62.4

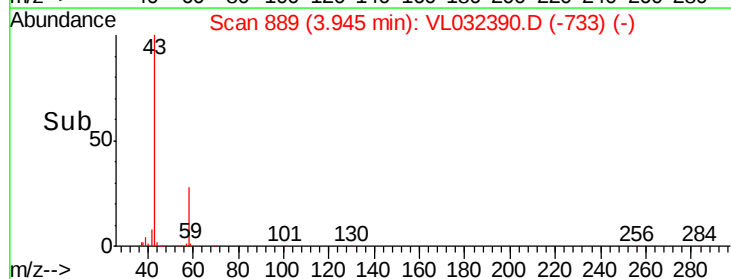
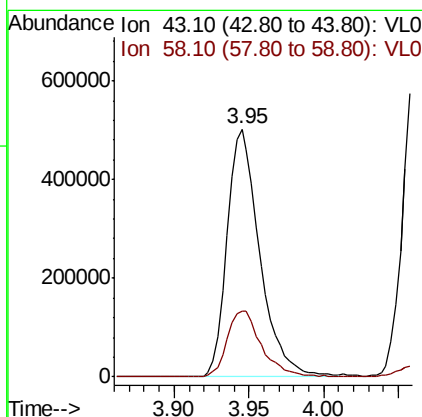
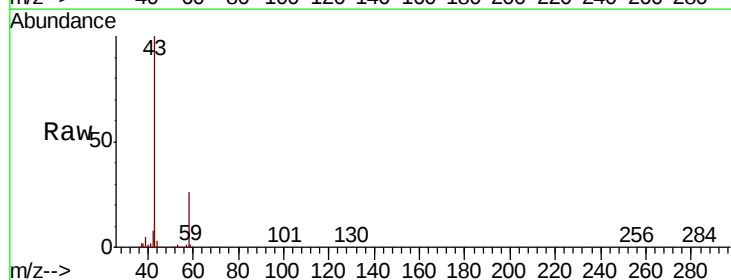
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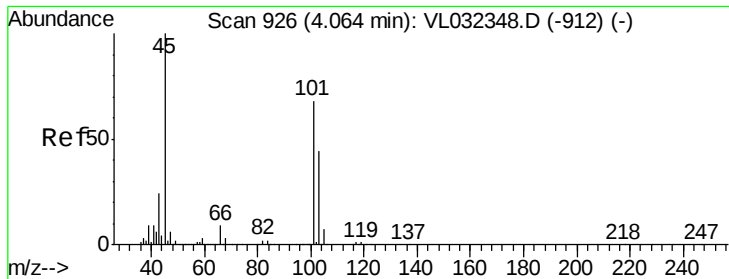
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#15
Acetone
Concen: 4.36 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032390.D
Acq: 16 Aug 2018 23:44

Tgt Ion	43	58	Ratio	Lower	Upper
763192	100	28.1		22.4	33.6





#19

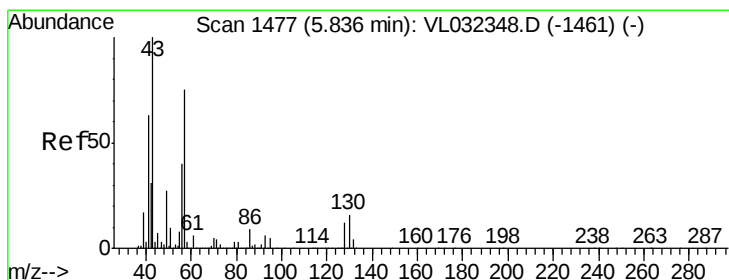
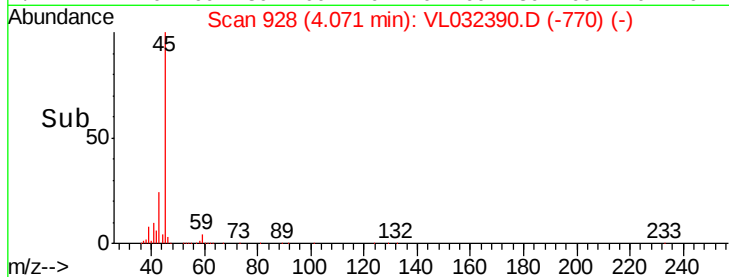
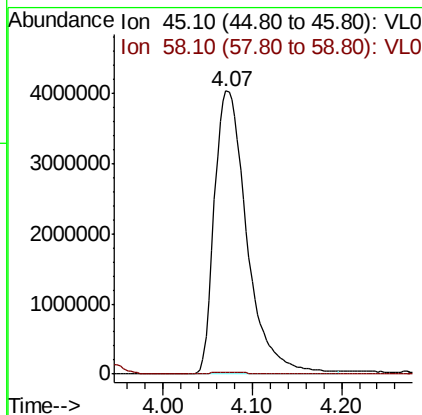
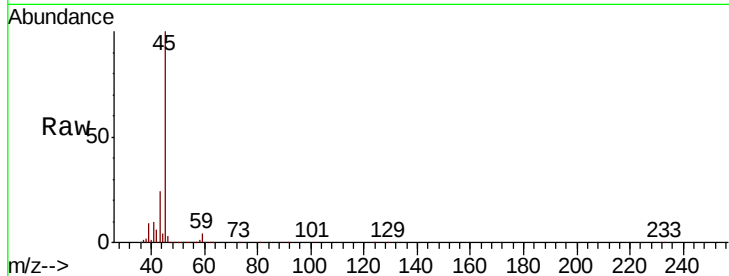
Isopropyl Alcohol
 Concen: 86.84 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VL032390.D
 Acq: 16 Aug 2018 23:44

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP1-MIVIDL

Tot Ion: 45 Resp: 10236117
 Ion Ratio Lower Upper
 45 100
 58 0.9 1.4 2.0#

Manual Integrations
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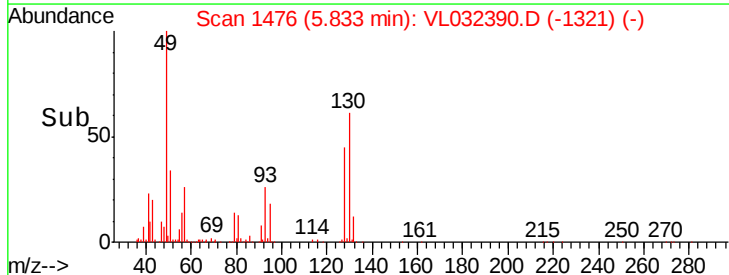
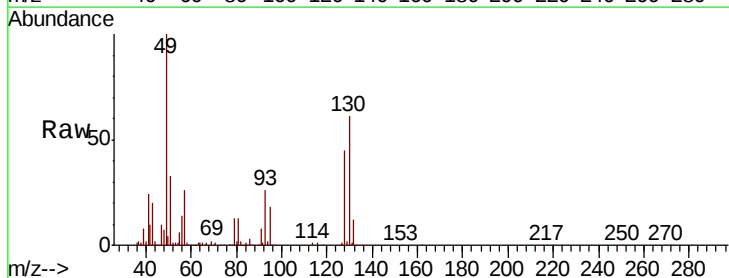
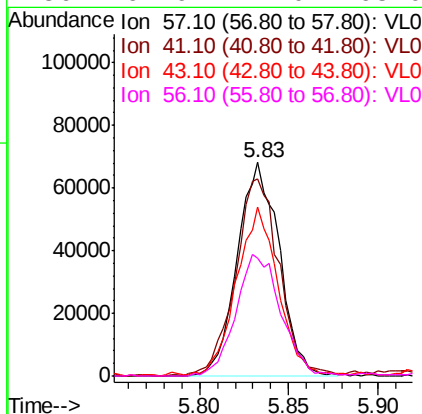
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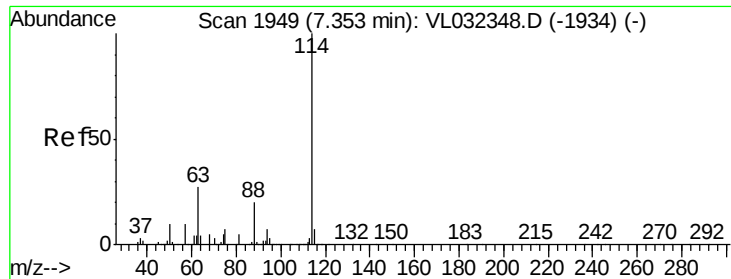


#26

Hexane
 Concen: 0.67 ppbv
 RT: 5.83 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VL032390.D
 Acq: 16 Aug 2018 23:44

Tgt Ion: 57 Resp: 111853
 Ion Ratio Lower Upper
 57 100
 41 97.4 68.0 102.0
 43 80.6 175.3 262.9#
 56 61.9 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.35 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VL032390.D

Acq: 16 Aug 2018 23:44

Instrument :

MSVOA_L

ClientSampleId :

DUP1-MIVIDL

Tot Ion:114 Resp: 3474133

Ion Ratio Lower Upper

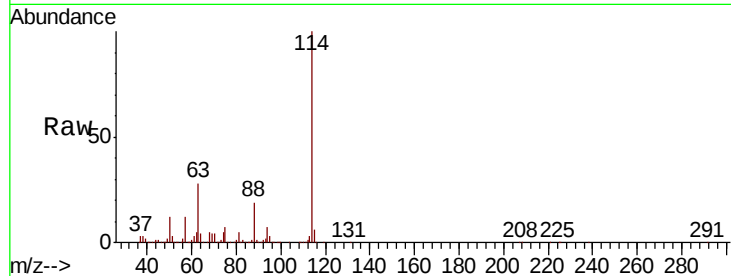
114 100

63 28.4 22.0 33.0

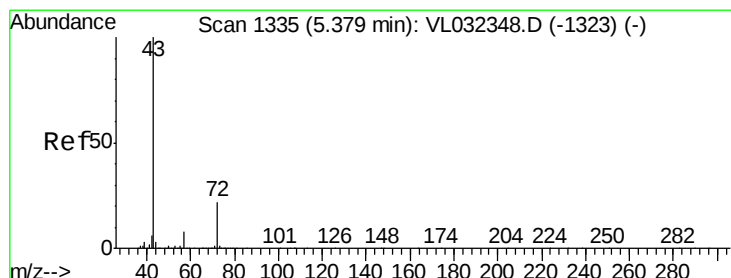
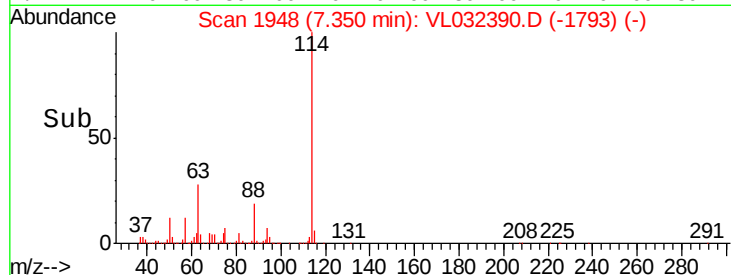
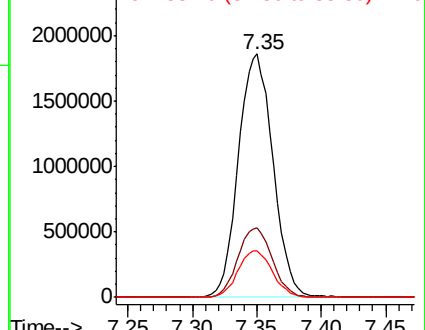
88 19.0 15.3 22.9

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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



#34

2-Butanone

Concen: 0.54 ppbv

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VL032390.D

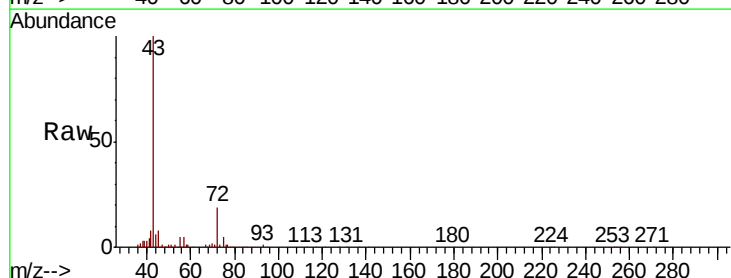
Acq: 16 Aug 2018 23:44

Tgt Ion: 43 Resp: 126937

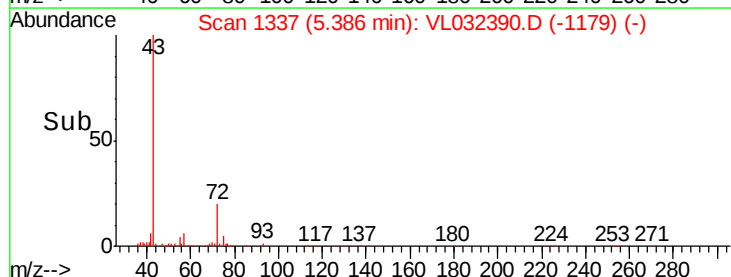
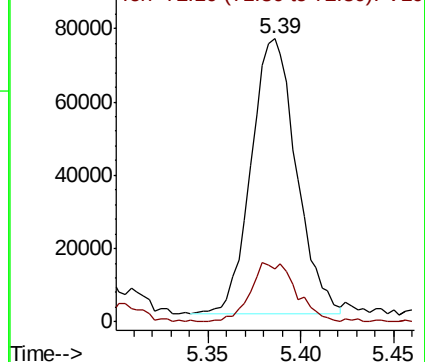
Ion Ratio Lower Upper

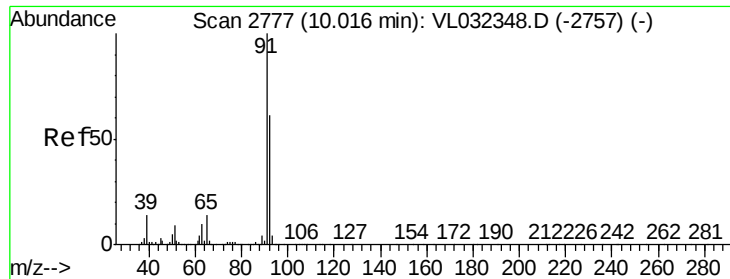
43 100

72 22.1 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#53

Toluene

Concen: 0.27 ppbv

RT: 10.01 min Scan# 2775

Delta R.T. -0.01 min

Lab File: VL032390.D

Acq: 16 Aug 2018 23:44

Instrument :

MSVOA_L

ClientSampleId :

DUP1-MIVIDL

Tot Ion: 91 Resp: 87028

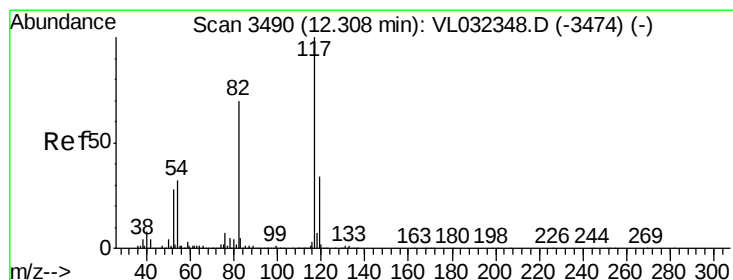
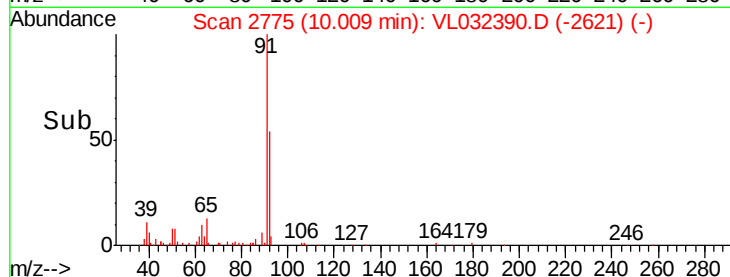
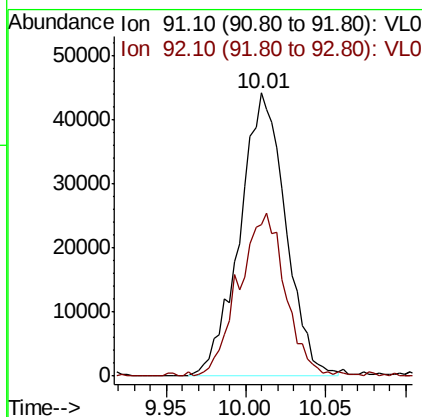
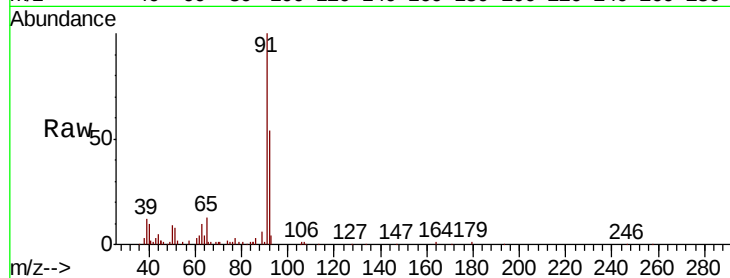
Ion Ratio Lower Upper

91 100

92 59.3 48.7 73.1

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.30 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VL032390.D

Acq: 16 Aug 2018 23:44

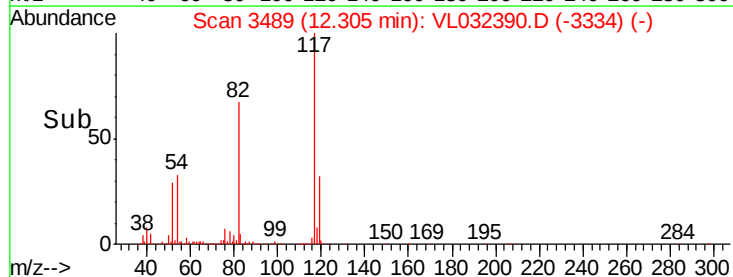
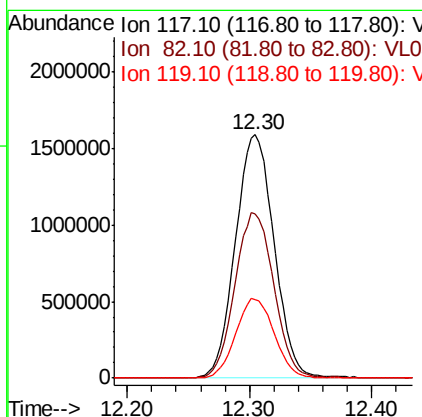
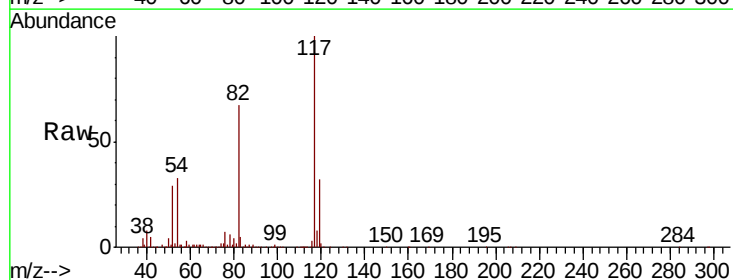
Tgt Ion: 117 Resp: 3485590

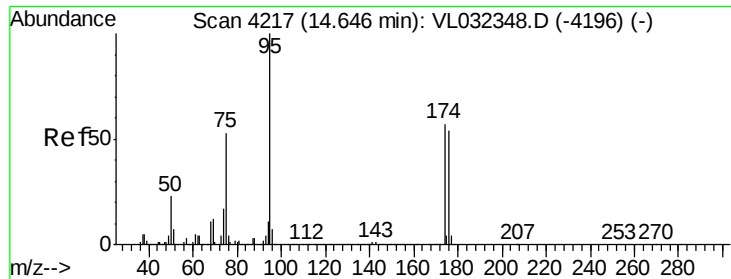
Ion Ratio Lower Upper

117 100

82 68.8 55.1 82.7

119 32.6 46.0 69.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.95 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: VL032390.D
 Acq: 16 Aug 2018 23:44

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP1-MIVIDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	57.1	46.2	69.4
175	4.1	3.4	5.0

Manual Integrations
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