

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033011.D
 Acq On : 18 Dec 2018 1:08
 Operator : SY/AP
 Sample : J6444-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-05DL

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 1:59:41 PM

Quant Time: Dec 19 15:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1217797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2914026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2261555	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2343549	14.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	140.30%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	146483m	4.017	ppbv	
13) Ethanol	3.66	45	50725	4.040	ppbv	94
15) Acetone	3.91	43	113626	1.087	ppbv	99
53) Toluene	9.95	91	4416185	19.428	ppbv	99

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

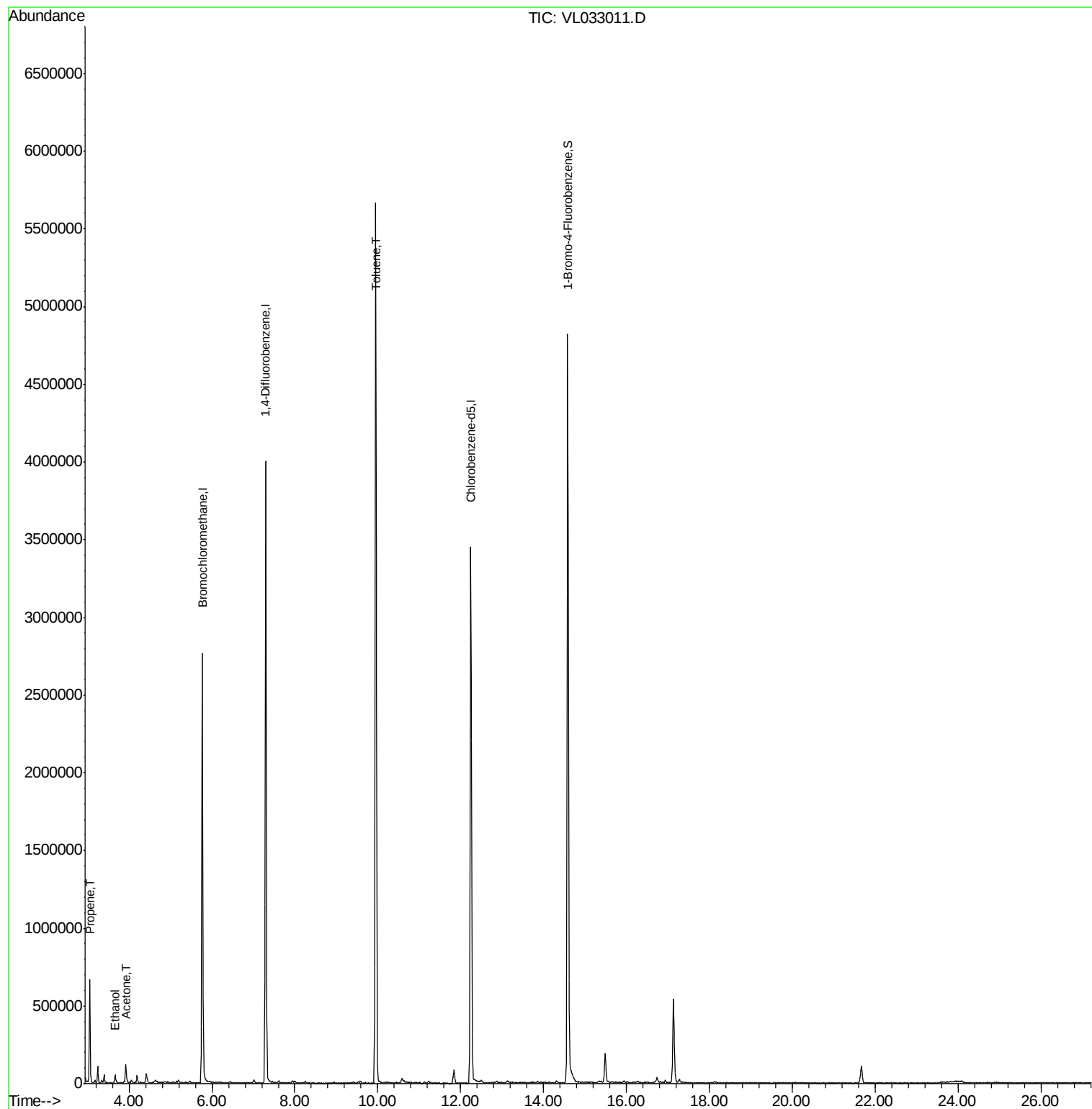
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121718\
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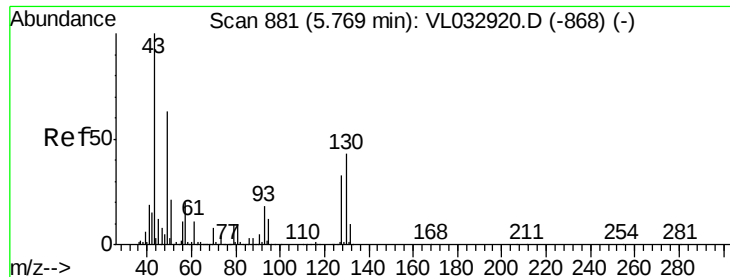
Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05DL

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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033011.D

Acq: 18 Dec 2018 1:08

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-05DL

Tot Ion: 49 Resp: 1217797

Ion Ratio Lower Upper

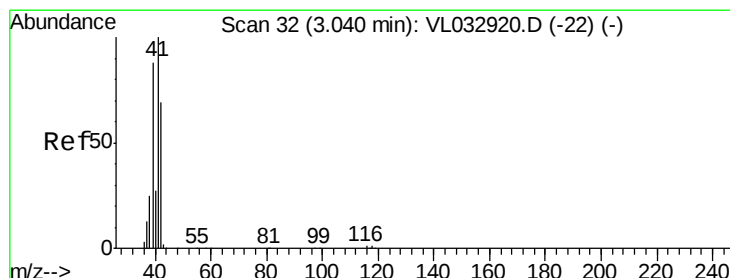
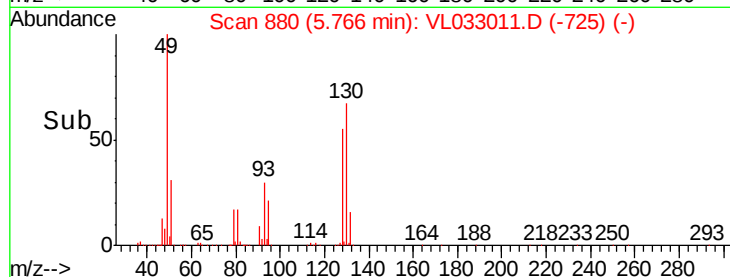
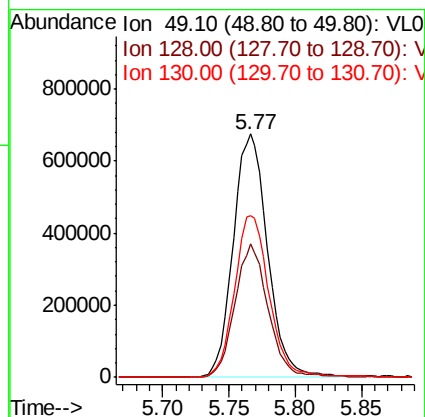
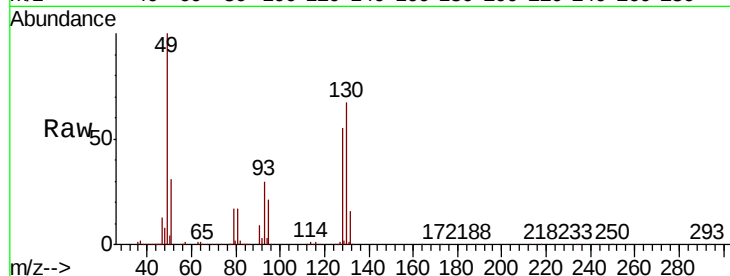
49 100

128 53.5 26.3 78.8

130 67.3 33.9 101.7

Manual Integrations
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#9

Propene

Concen: 4.017 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033011.D

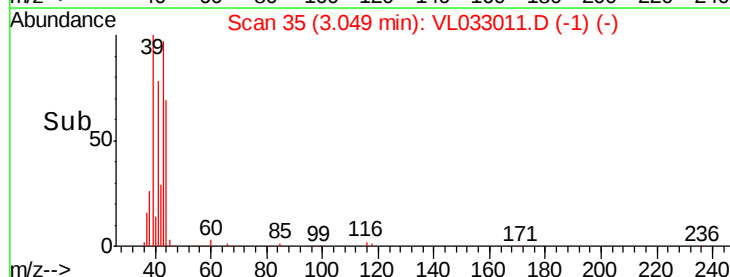
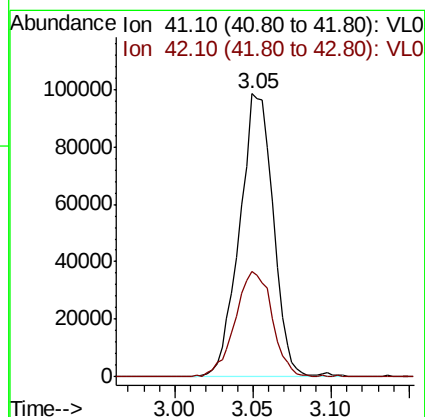
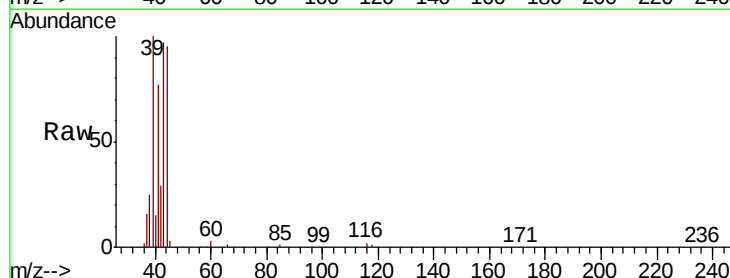
Acq: 18 Dec 2018 1:08

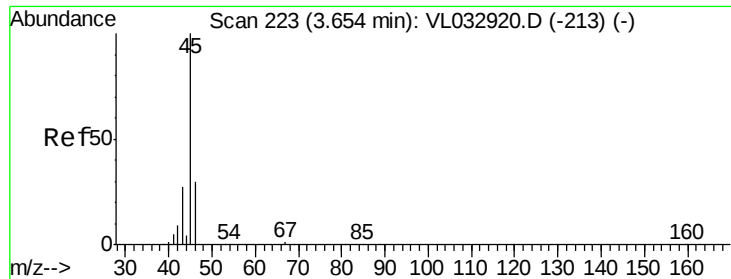
Tgt Ion: 41 Resp: 146483

Ion Ratio Lower Upper

41 100

42 15.0 56.2 84.2#





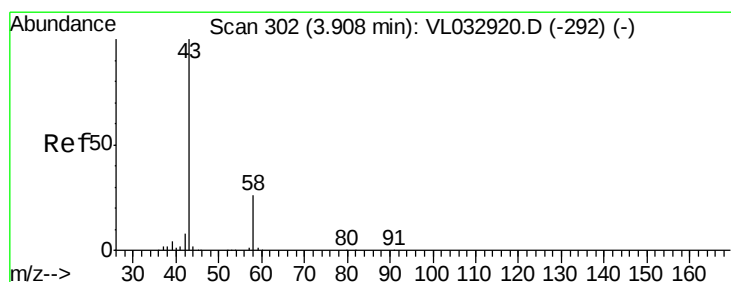
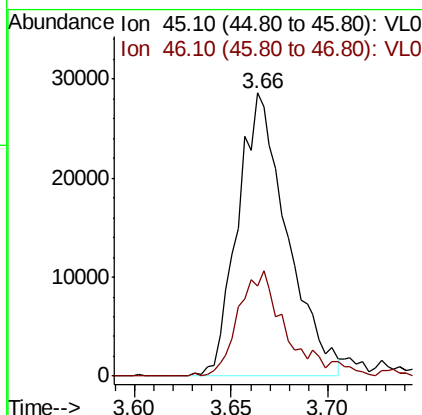
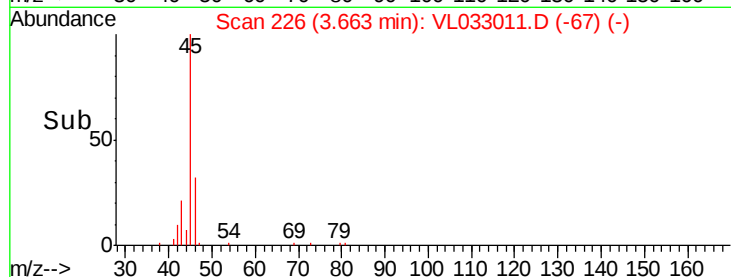
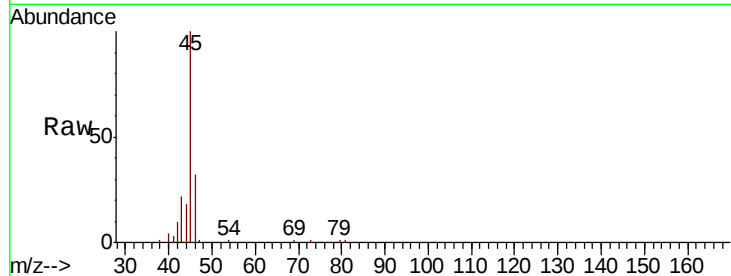
#13
Ethanol
Concen: 4.040 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033011.D
Acq: 18 Dec 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05DL

Tot Ion	45	Resp	50725
Ion Ratio	100	Lower	Upper
46	37.8	13.8	55.4

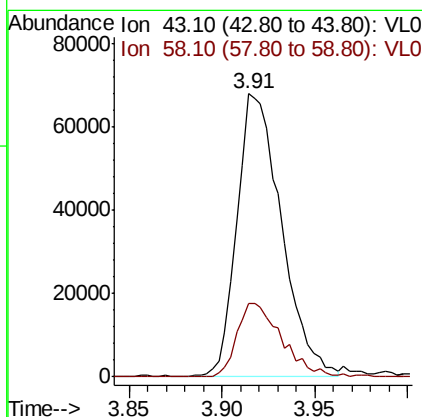
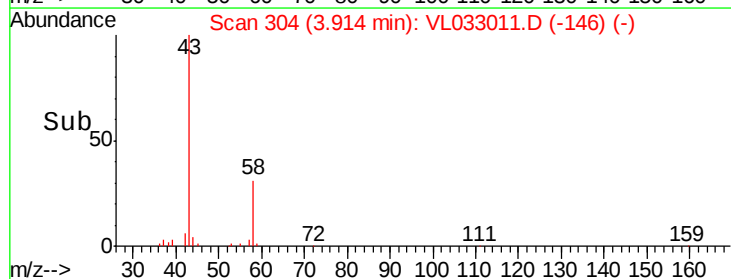
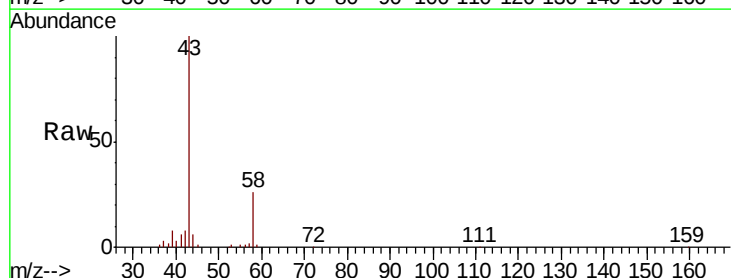
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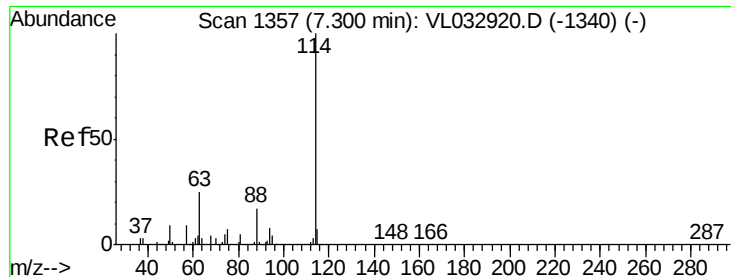
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#15
Acetone
Concen: 1.087 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL033011.D
Acq: 18 Dec 2018 1:08

Tgt Ion	43	Resp	113626
Ion Ratio	100	Lower	Upper
58	26.4	20.6	30.8





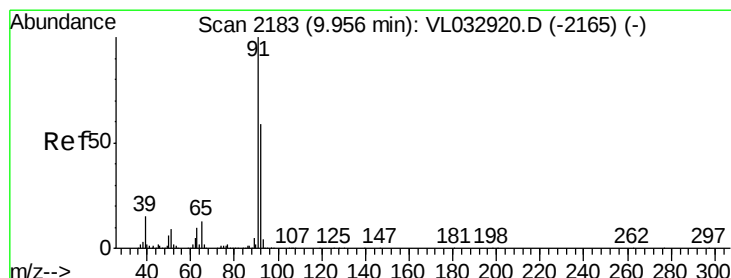
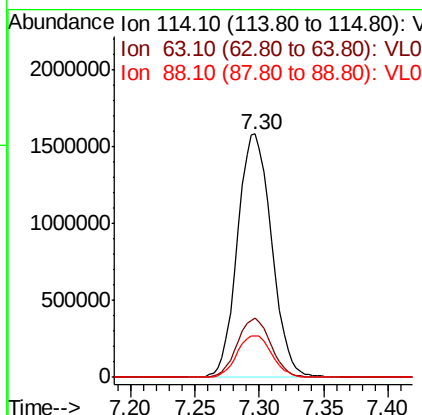
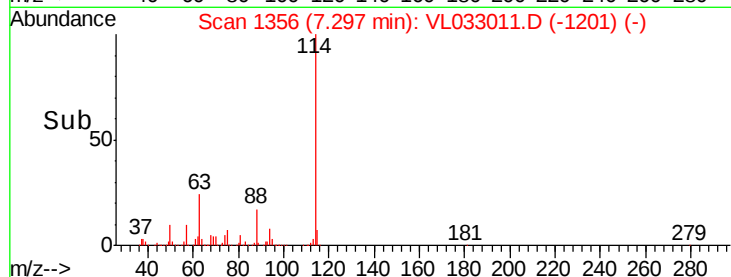
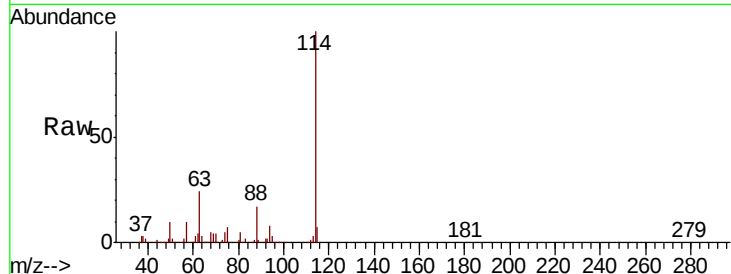
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033011.D
 Acq: 18 Dec 2018 1:08

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-05DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.1	30.1
88	17.4	14.2	21.4

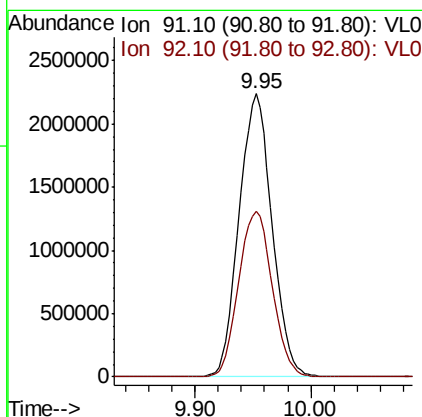
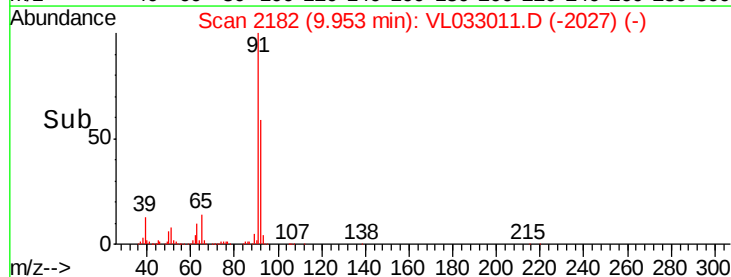
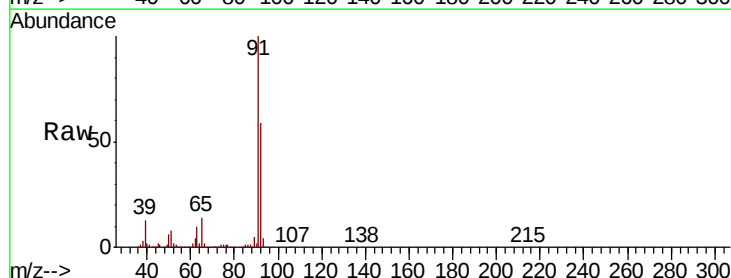
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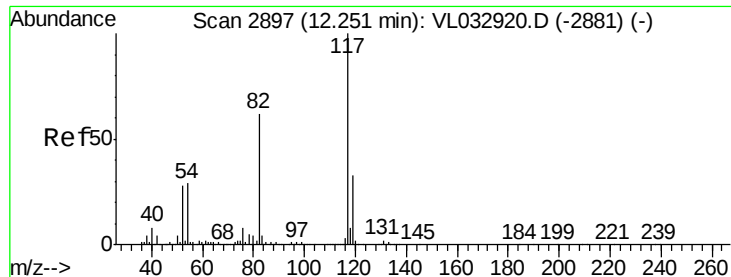
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#53
 Toluene
 Concen: 19.428 ppbv
 RT: 9.95 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL033011.D
 Acq: 18 Dec 2018 1:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.4	71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL033011.D

Acq: 18 Dec 2018 1:08

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-05DL

Tot Ion:117 Resp: 2261555

Ion Ratio Lower Upper

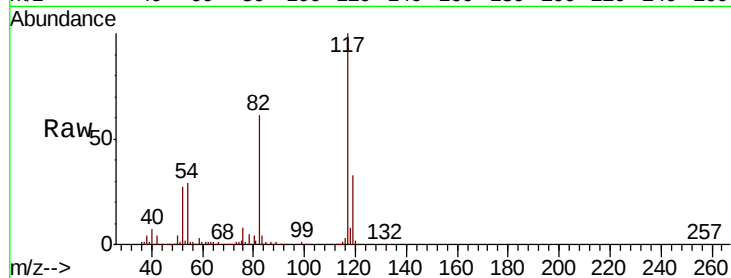
117 100

82 62.9 47.8 71.8

119 32.5 43.1 64.7#

Manual Integrations
APPROVED

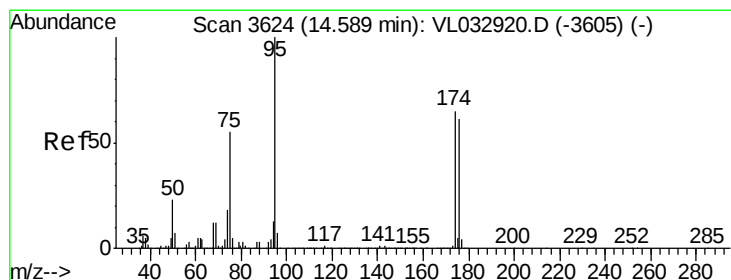
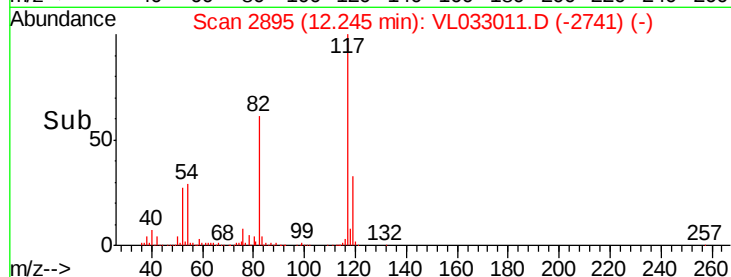
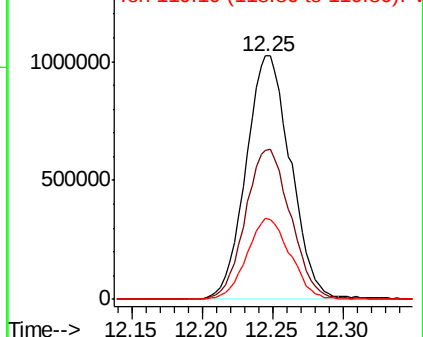
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 14.026 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL033011.D

Acq: 18 Dec 2018 1:08

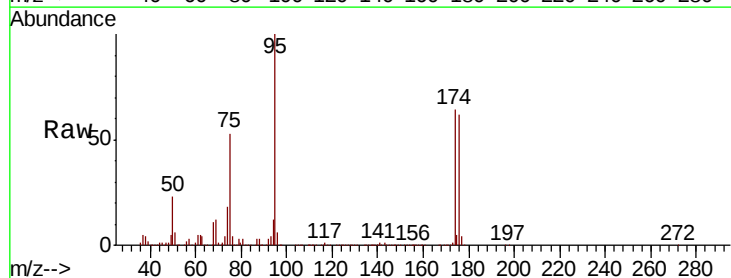
Tgt Ion: 95 Resp: 2343549

Ion Ratio Lower Upper

95 100

174 66.5 51.4 77.0

175 4.9 3.8 5.6



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

