

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033030.D
 Acq On : 20 Dec 2018 18:03
 Operator : SY/AP
 Sample : J6444-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-04DL

Manual Integrations
 APPROVED

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 12/24/2018 8:26:21 AM

Quant Time: Dec 23 11:08:28 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	1236618	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2807970	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2752903	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2042476	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	113629m	3.068	ppbv	
13) Ethanol	3.67	45	58797	4.611	ppbv	94
15) Acetone	3.92	43	122594	1.155	ppbv	99
26) Hexane	5.79	57	43682	0.377	ppbv #	45
53) Toluene	9.95	91	2709029	12.368	ppbv	100

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

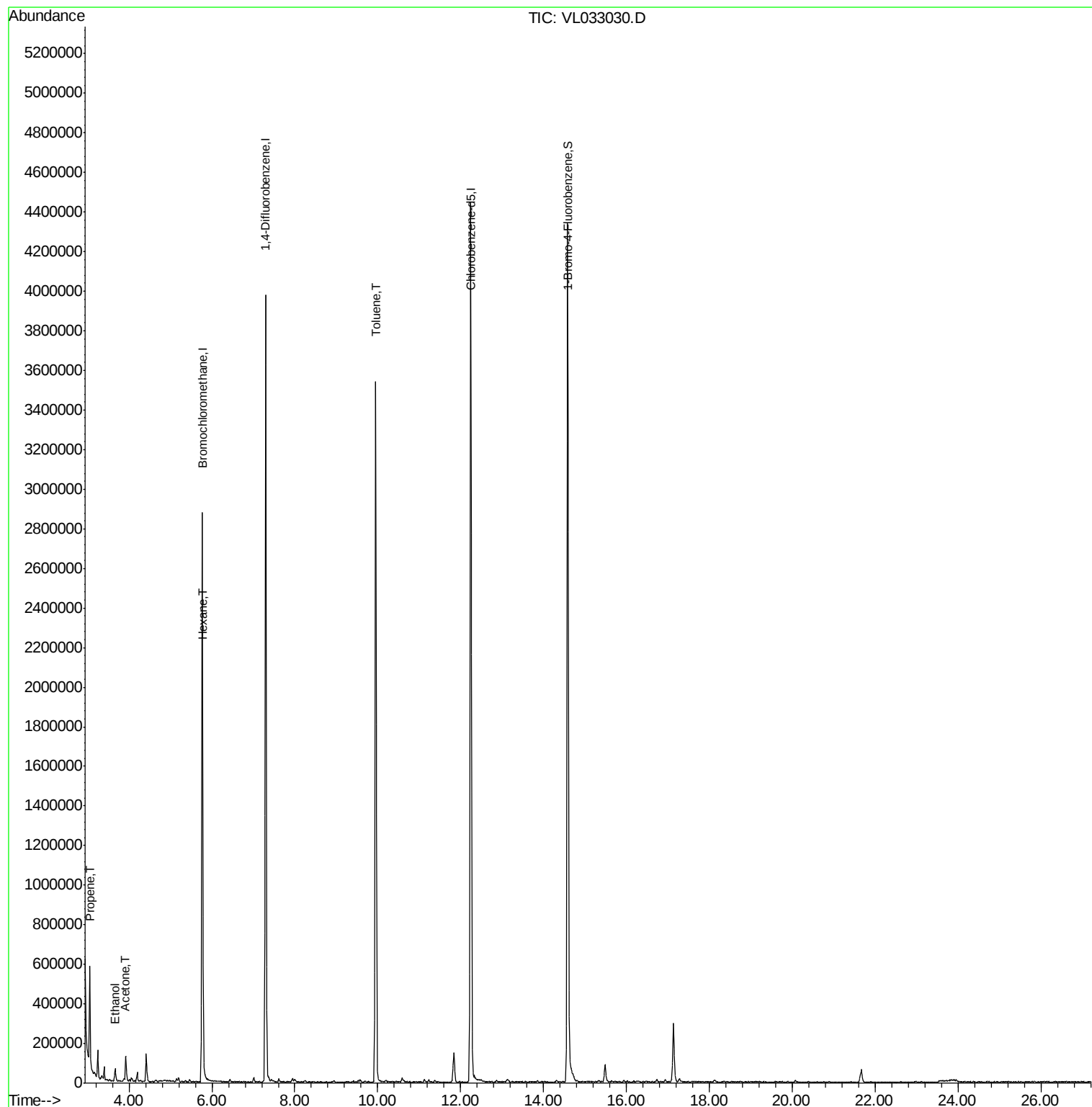
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122018\
Data File : VL033030.D
Acq On : 20 Dec 2018 18:03
Operator : SY/AP
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Misc : 400ml/MSVOA L
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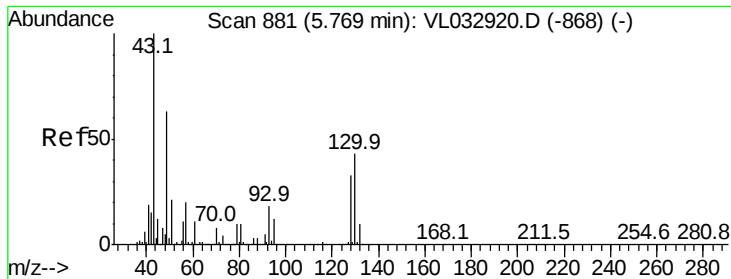
Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-04DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
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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: VL033030.D

Acq: 20 Dec 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-04DL

Tot Ion: 49 Resp: 1236618

Ion Ratio Lower Upper

49 100

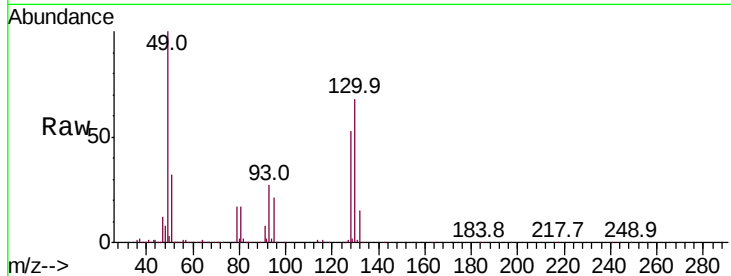
128 53.0 26.3 78.8

130 66.9 33.9 101.7

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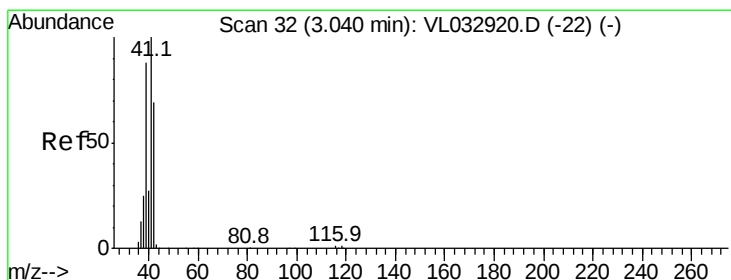
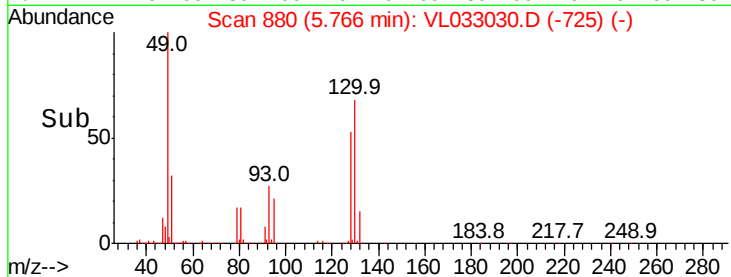
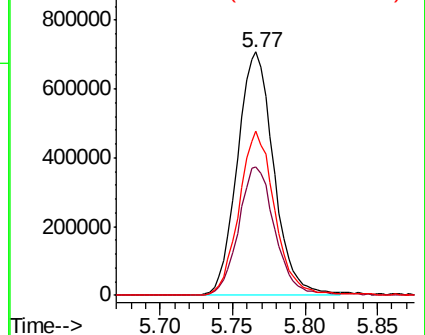
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 3.068 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL033030.D

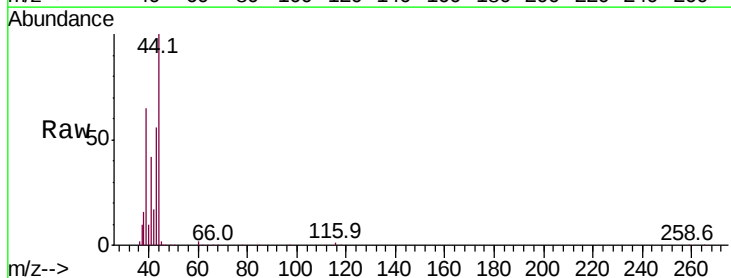
Acq: 20 Dec 2018 18:03

Tgt Ion: 41 Resp: 113629

Ion Ratio Lower Upper

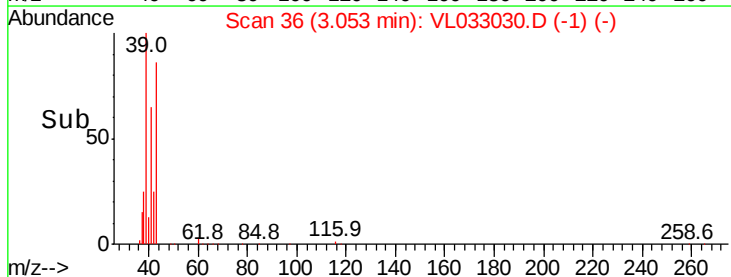
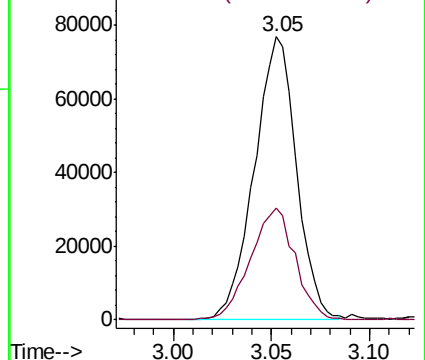
41 100

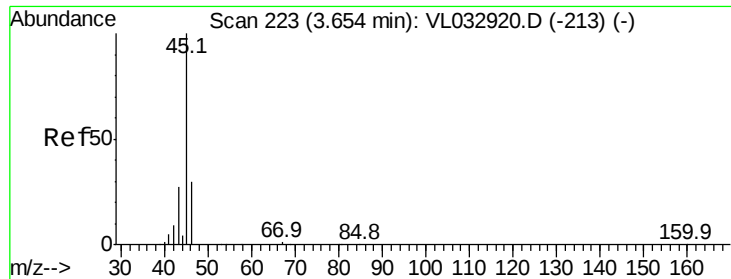
42 22.0 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





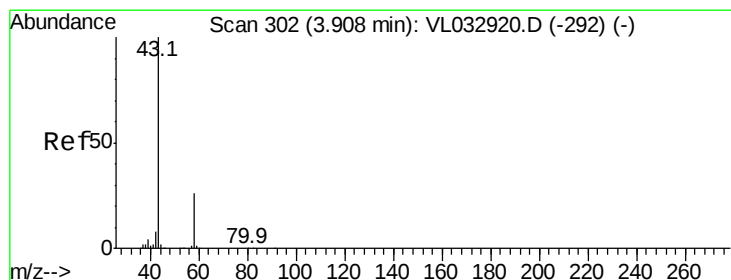
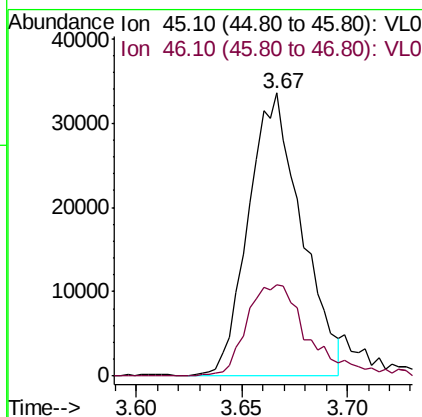
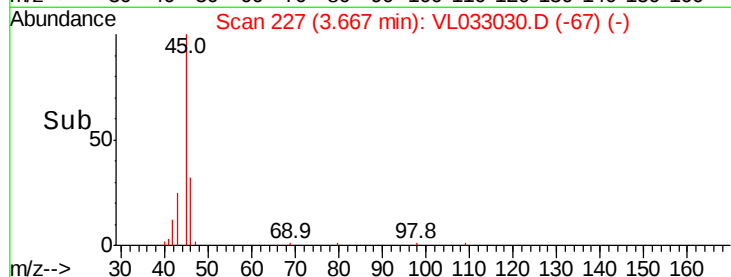
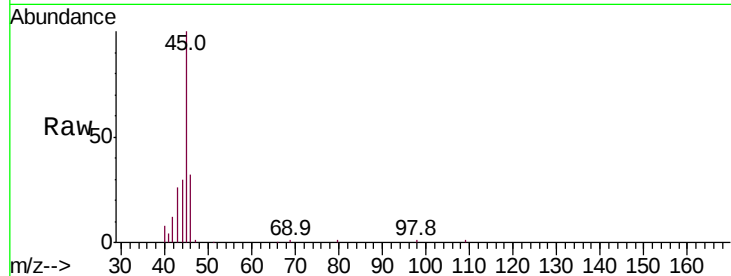
#13
Ethanol
Concen: 4.611 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL033030.D
Acq: 20 Dec 2018 18:03

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-04DL

Tot Ion: 45 Resp: 58797
Ion Ratio Lower Upper
45 100
46 37.8 13.8 55.4

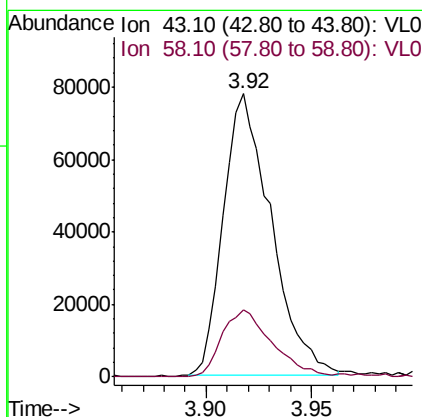
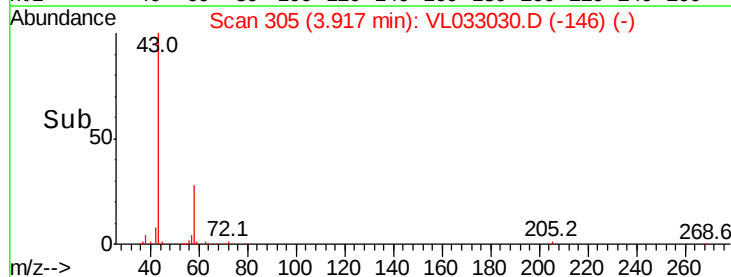
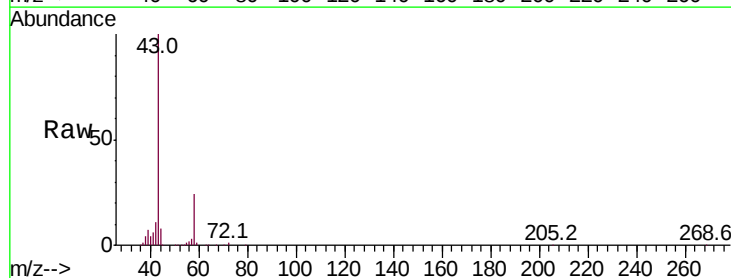
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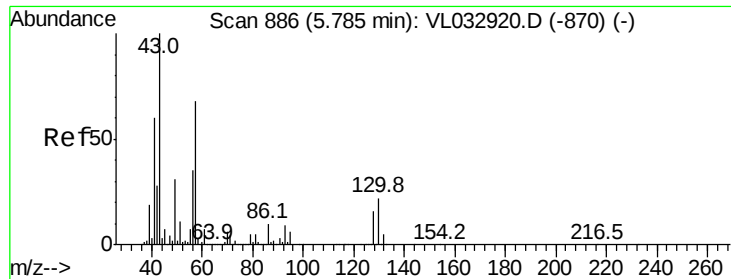
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#15
Acetone
Concen: 1.155 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033030.D
Acq: 20 Dec 2018 18:03

Tgt Ion: 43 Resp: 122594
Ion Ratio Lower Upper
43 100
58 26.1 20.6 30.8





#26

Hexane

Concen: 0.377 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL033030.D

Acq: 20 Dec 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-04DL

Tot Ion: 57 Resp: 43682

Ion Ratio Lower Upper

57 100

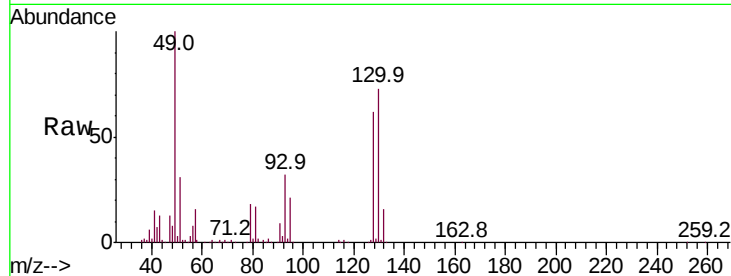
41 102.6 72.2 108.2

43 82.7 171.9 257.9#

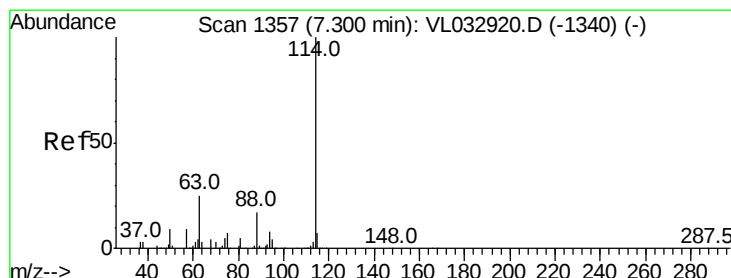
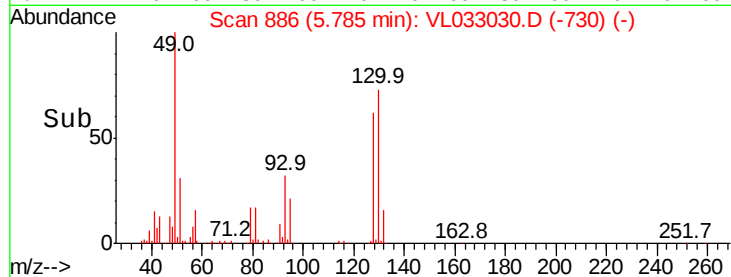
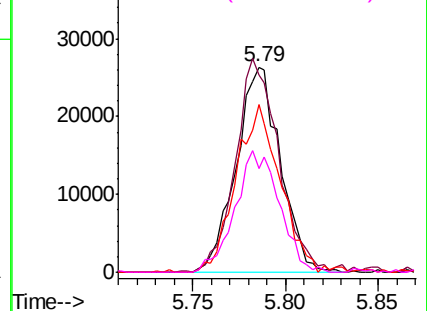
56 59.3 42.2 63.2

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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033030.D

Acq: 20 Dec 2018 18:03

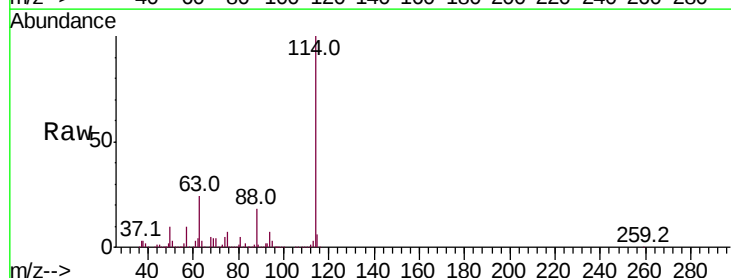
Tgt Ion:114 Resp: 2807970

Ion Ratio Lower Upper

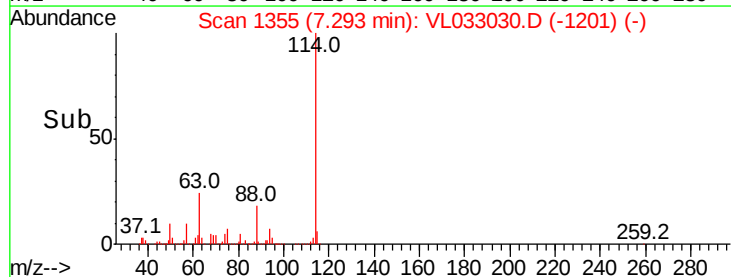
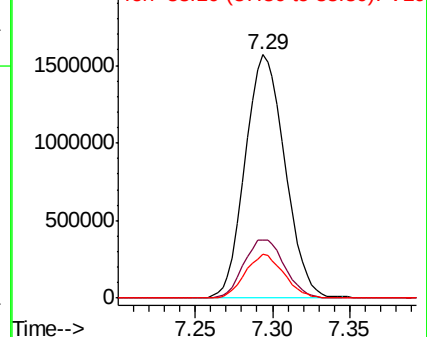
114 100

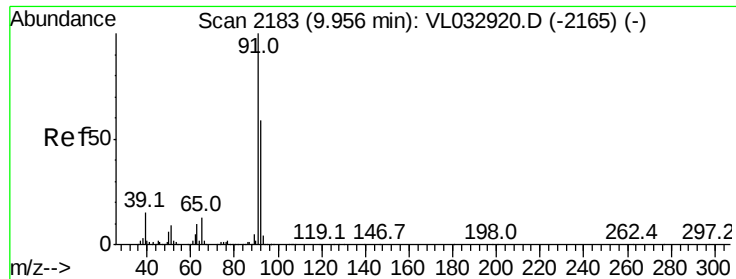
63 24.8 20.1 30.1

88 17.7 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 12.368 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL033030.D

Acq: 20 Dec 2018 18:03

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-04DL

Tot Ion: 91 Resp: 2709029

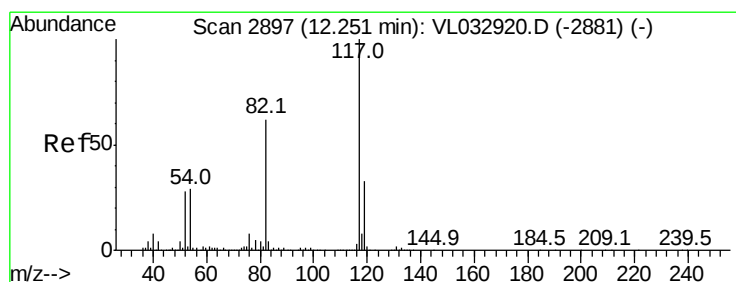
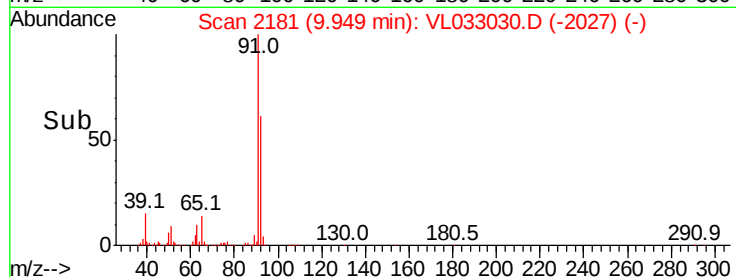
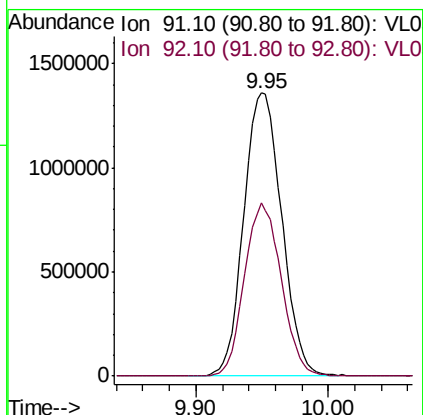
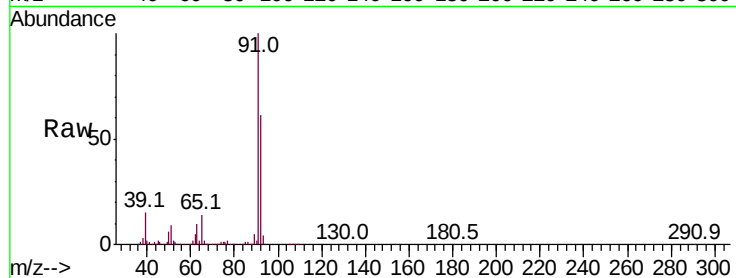
Ion Ratio Lower Upper

91 100

92 59.4 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL033030.D

Acq: 20 Dec 2018 18:03

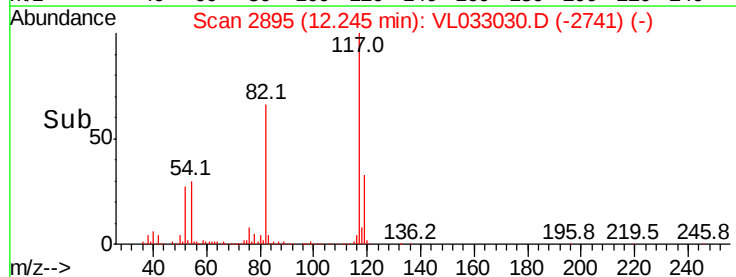
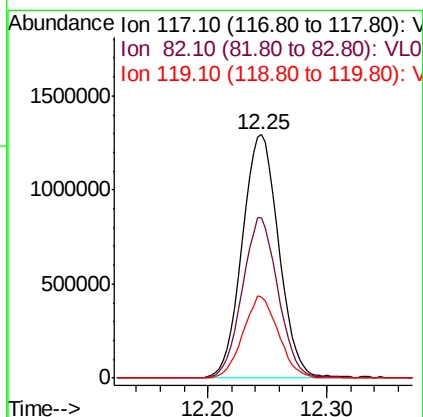
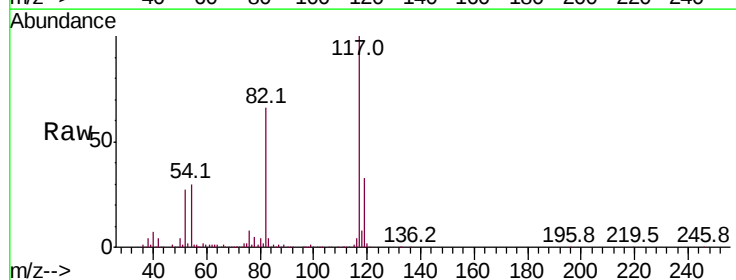
Tgt Ion: 117 Resp: 2752903

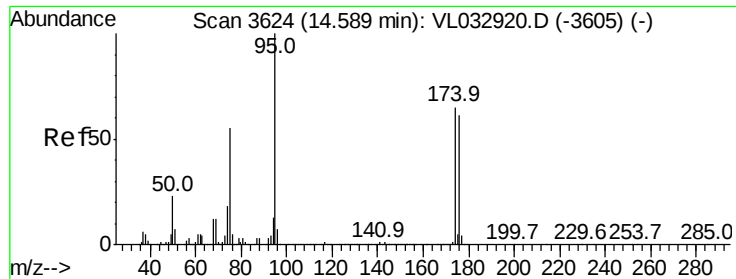
Ion Ratio Lower Upper

117 100

82 65.0 47.8 71.8

119 32.6 43.1 64.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.043 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL033030.D
 Acq: 20 Dec 2018 18:03

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-04DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.2	51.4	77.0
175	4.8	3.8	5.6

Manual Integrations
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