

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033015.D
 Acq On : 18 Dec 2018 3:46
 Operator : SY/AP
 Sample : J6444-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-01DL

Manual Integrations
 APPROVED

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 12/19/2018 5:37:50 PM

Quant Time: Dec 19 15:55:14 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	1208900	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2869028	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2673305	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2265305	11.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.06	41	102272m	2.825	ppbv	
13) Ethanol	3.67	45	42831m	3.436	ppbv	
15) Acetone	3.92	43	81014m	0.781	ppbv	
53) Toluene	9.95	91	1942281	8.678	ppbv	99

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

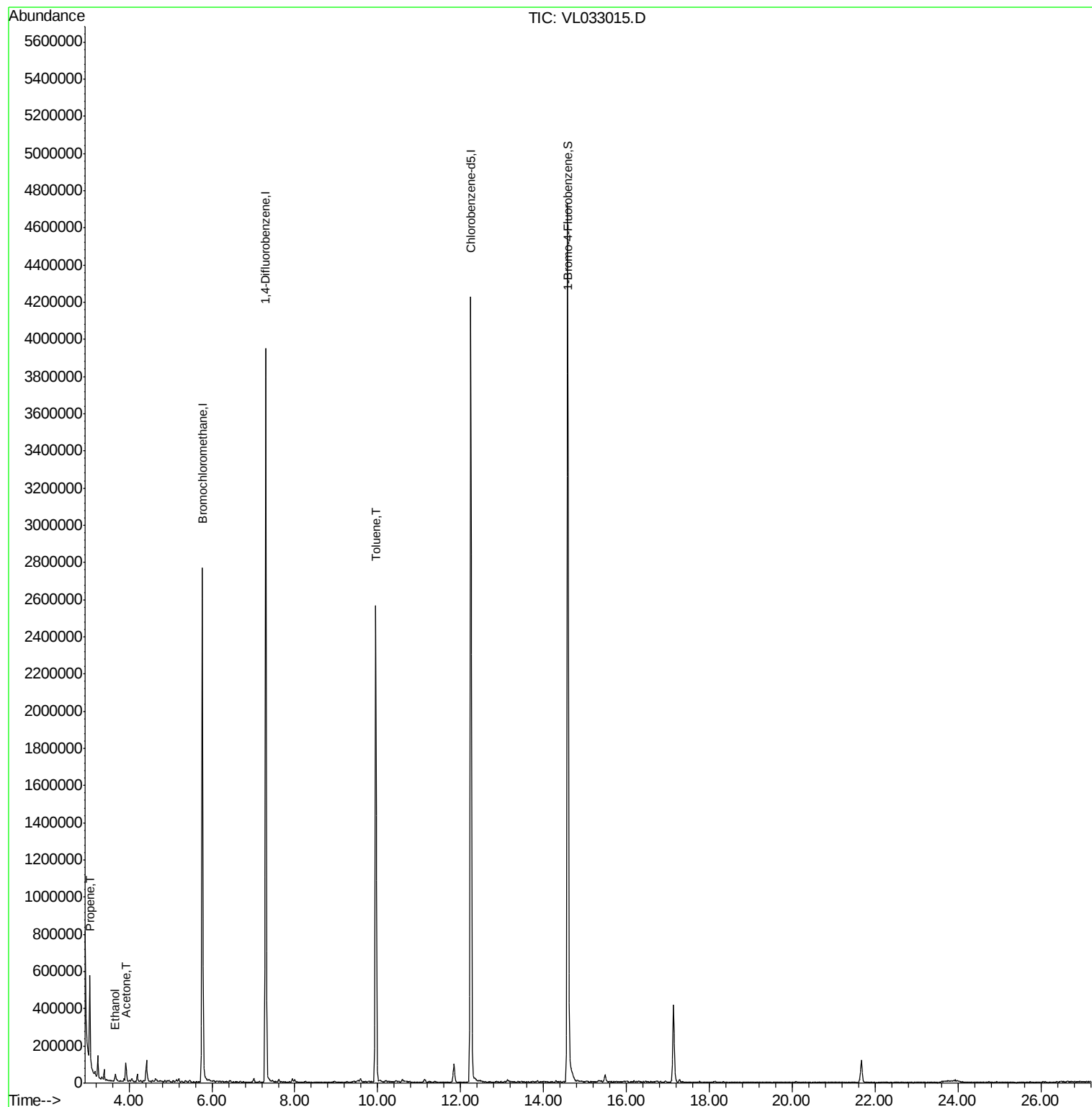
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121718\
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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033015.D

Acq: 18 Dec 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

YT-CBA-LTM5-01DL

Tot Ion: 49 Resp: 1208900

Ion Ratio Lower Upper

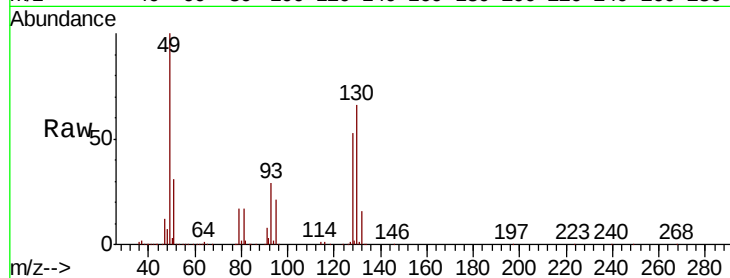
49 100

128 53.3 26.3 78.8

130 67.4 33.9 101.7

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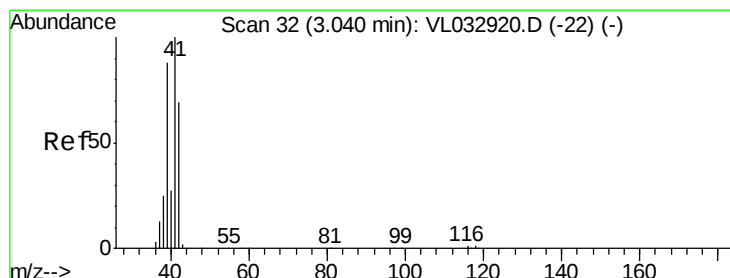
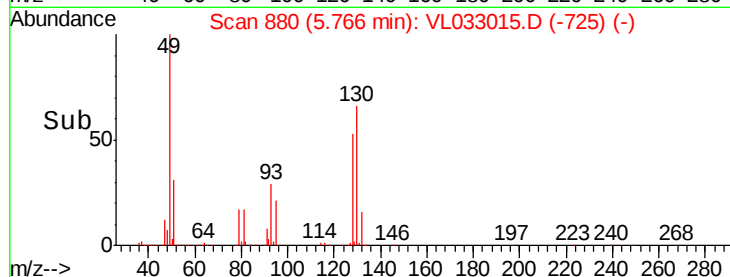
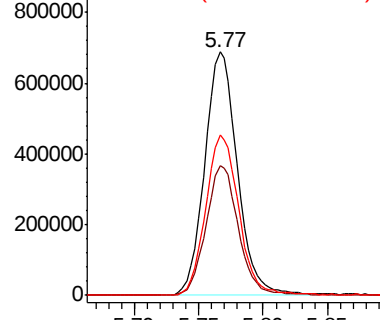
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 2.825 ppbv m

RT: 3.06 min Scan# 37

Delta R.T. 0.02 min

Lab File: VL033015.D

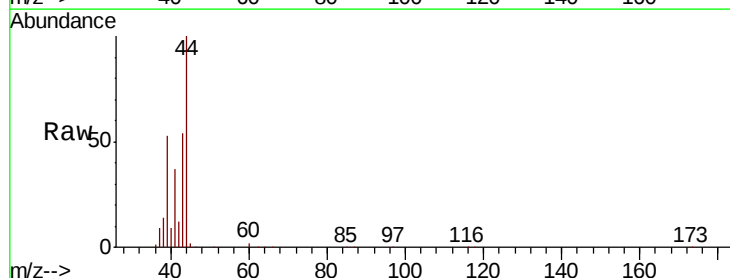
Acq: 18 Dec 2018 3:46

Tgt Ion: 41 Resp: 102272

Ion Ratio Lower Upper

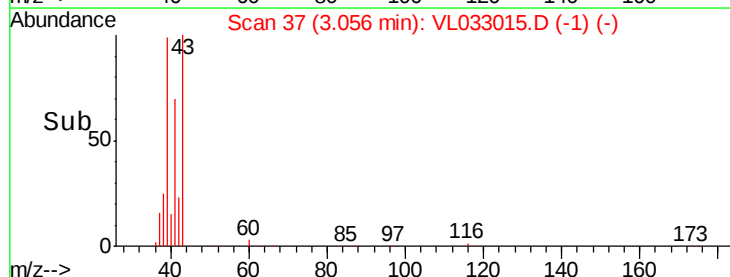
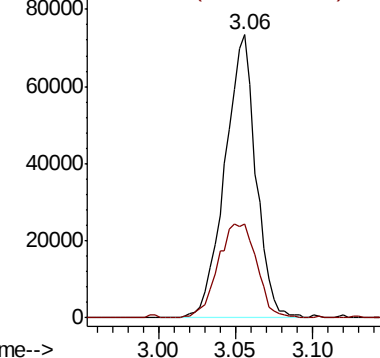
41 100

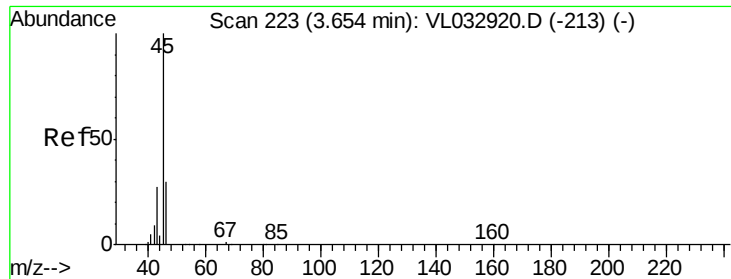
42 21.1 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 3.436 ppbv m

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VL033015.D

Acq: 18 Dec 2018 3:46

Tot Ion: 45 Resp: 42831

Ion Ratio Lower Upper

45 100

46 36.7 13.8 55.4

Instrument :

MSVOA_L

ClientSampleId :

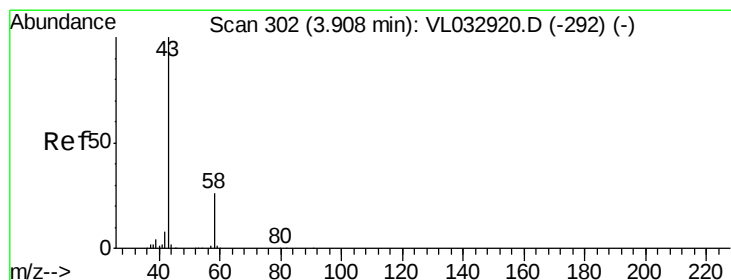
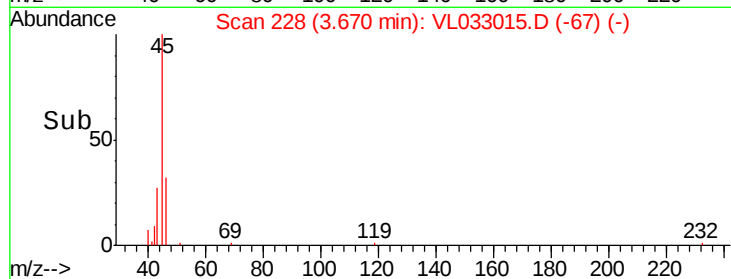
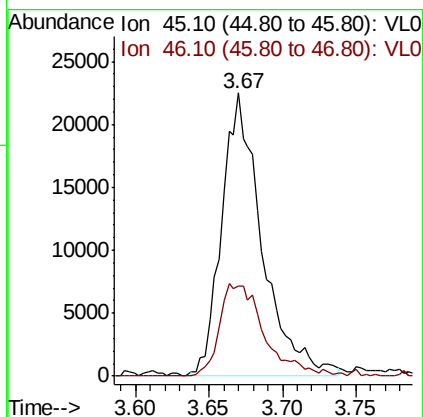
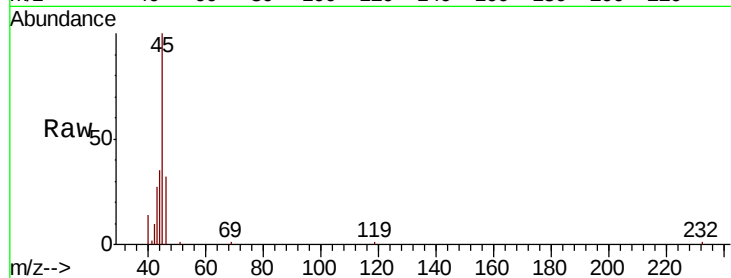
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#15

Acetone

Concen: 0.781 ppbv m

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL033015.D

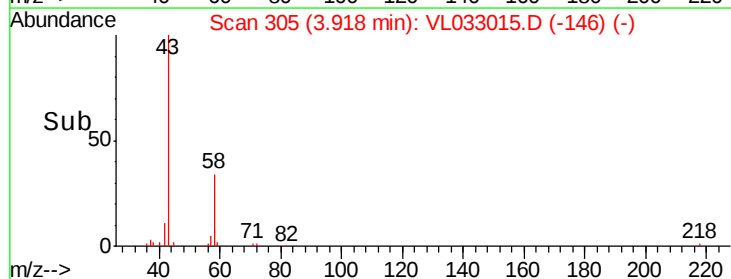
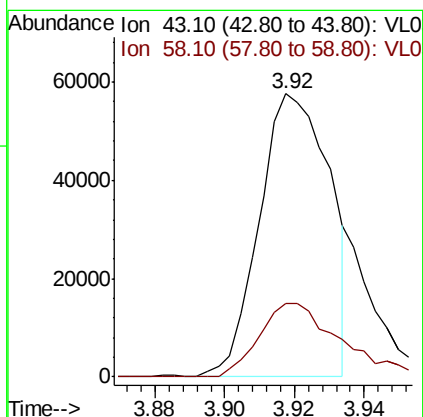
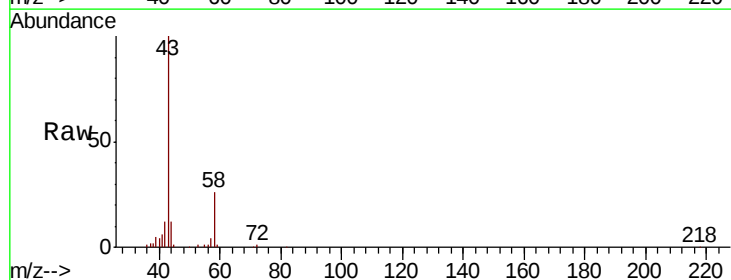
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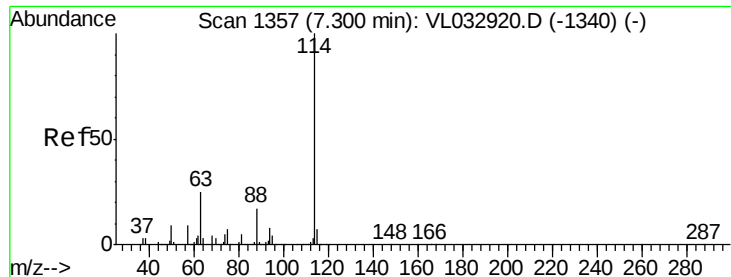
Tgt Ion: 43 Resp: 81014

Ion Ratio Lower Upper

43 100

58 31.1 20.6 30.8#





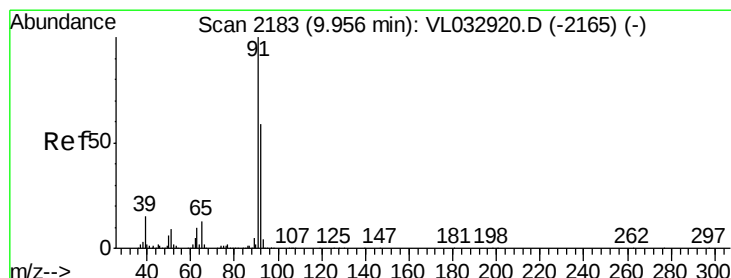
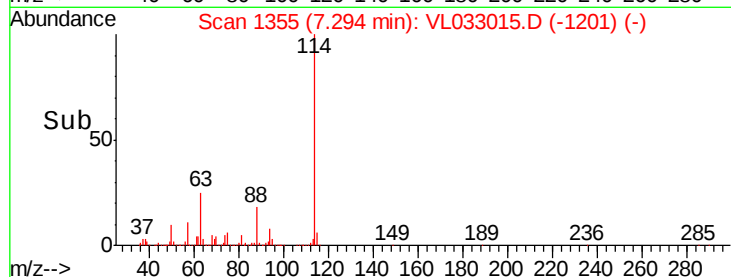
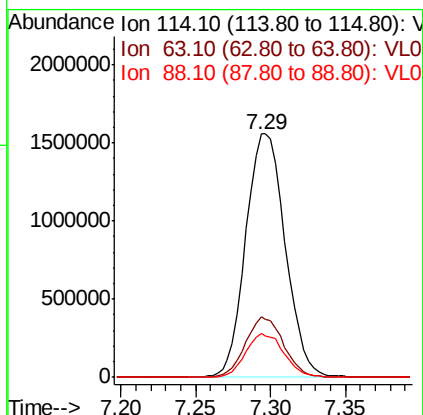
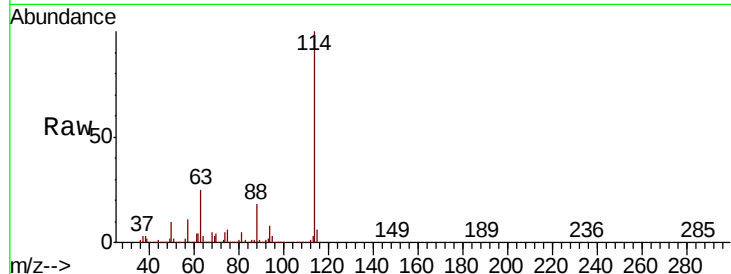
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033015.D
 Acq: 18 Dec 2018 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-CBA-LTM5-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.1	30.1
88	17.5	14.2	21.4

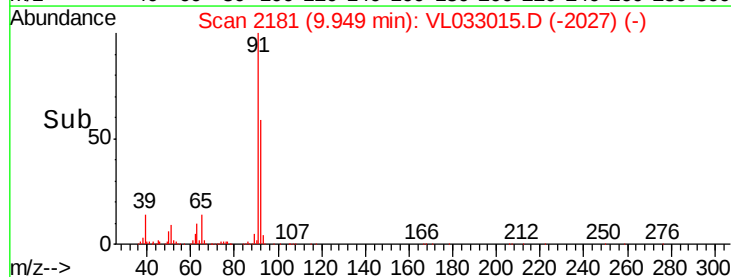
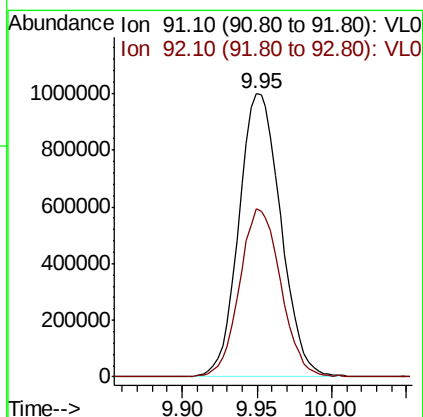
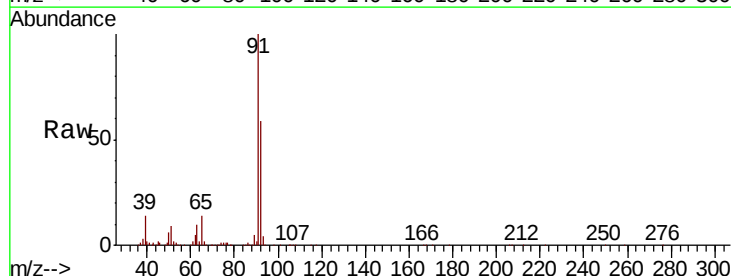
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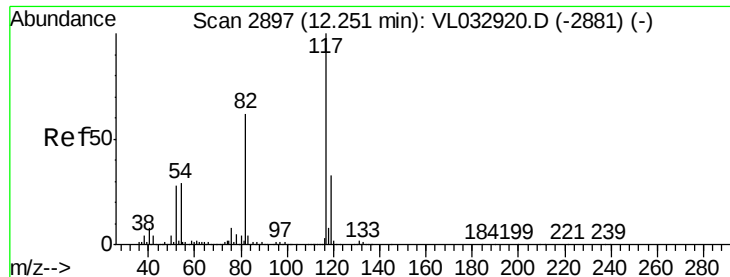
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#53
 Toluene
 Concen: 8.678 ppbv
 RT: 9.95 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: VL033015.D
 Acq: 18 Dec 2018 3:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.4	71.0





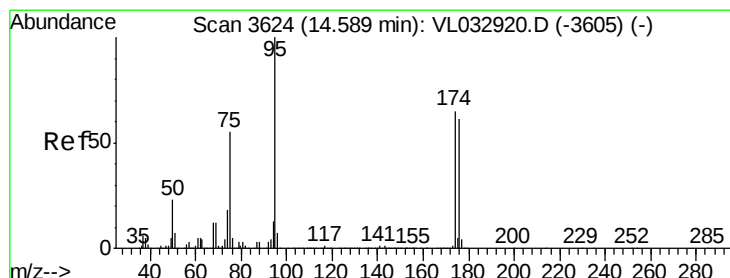
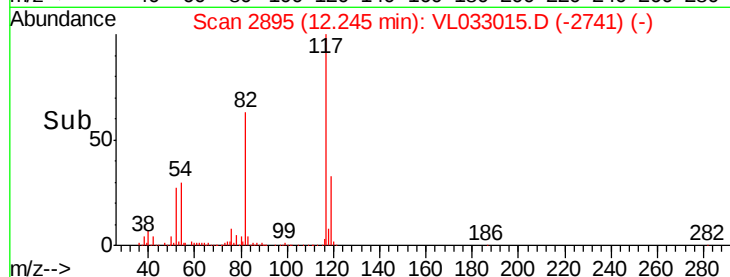
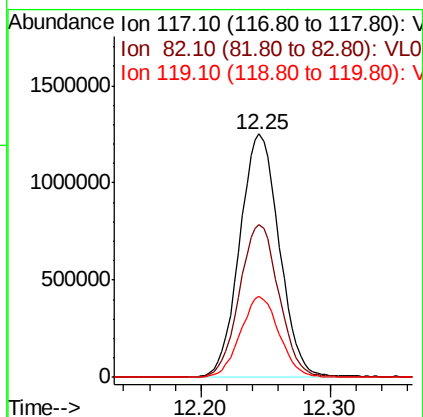
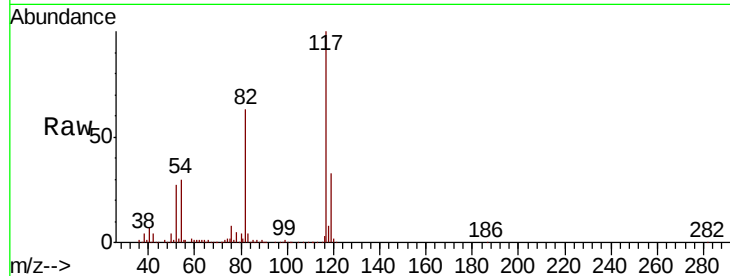
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL033015.D
Acq: 18 Dec 2018 3:46

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01DL

Tot Ion:117 Resp: 2673305
Ion Ratio Lower Upper
117 100
82 63.2 47.8 71.8
119 32.7 43.1 64.7#

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#68
1-Bromo-4-Fluorobenzene
Concen: 11.470 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033015.D
Acq: 18 Dec 2018 3:46

Tgt Ion: 95 Resp: 2265305
Ion Ratio Lower Upper
95 100
174 66.2 51.4 77.0
175 4.8 3.8 5.6

