

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032854.D
 Acq On : 30 Nov 2018 18:21
 Operator : SY/AP
 Sample : J6132-02DL DUP 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01DL DUP

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Quant Time: Dec 03 14:52:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1462569	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3665196	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3511130	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2684535	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	12170	0.189	ppbv	98
9) Propene	3.04	41	1193623	25.723	ppbv	91
13) Ethanol	3.66	45	64274	4.229	ppbv	99
15) Acetone	3.91	43	246331m	1.844	ppbv	
26) Hexane	5.78	57	128901	0.930	ppbv #	42
27) Carbon Disulfide	4.63	76	899085	5.117	ppbv	99
30) Cyclohexane	7.25	84	33157m	0.274	ppbv	
34) 2-Butanone	5.35	43	225408	1.186	ppbv	98
36) Benzene	7.01	78	173785	0.595	ppbv	98
53) Toluene	9.95	91	221894	0.729	ppbv	98
59) m/p-Xylene	13.12	91	98717m	0.262	ppbv	
60) o-Xylene	13.86	91	48165	0.127	ppbv	99

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

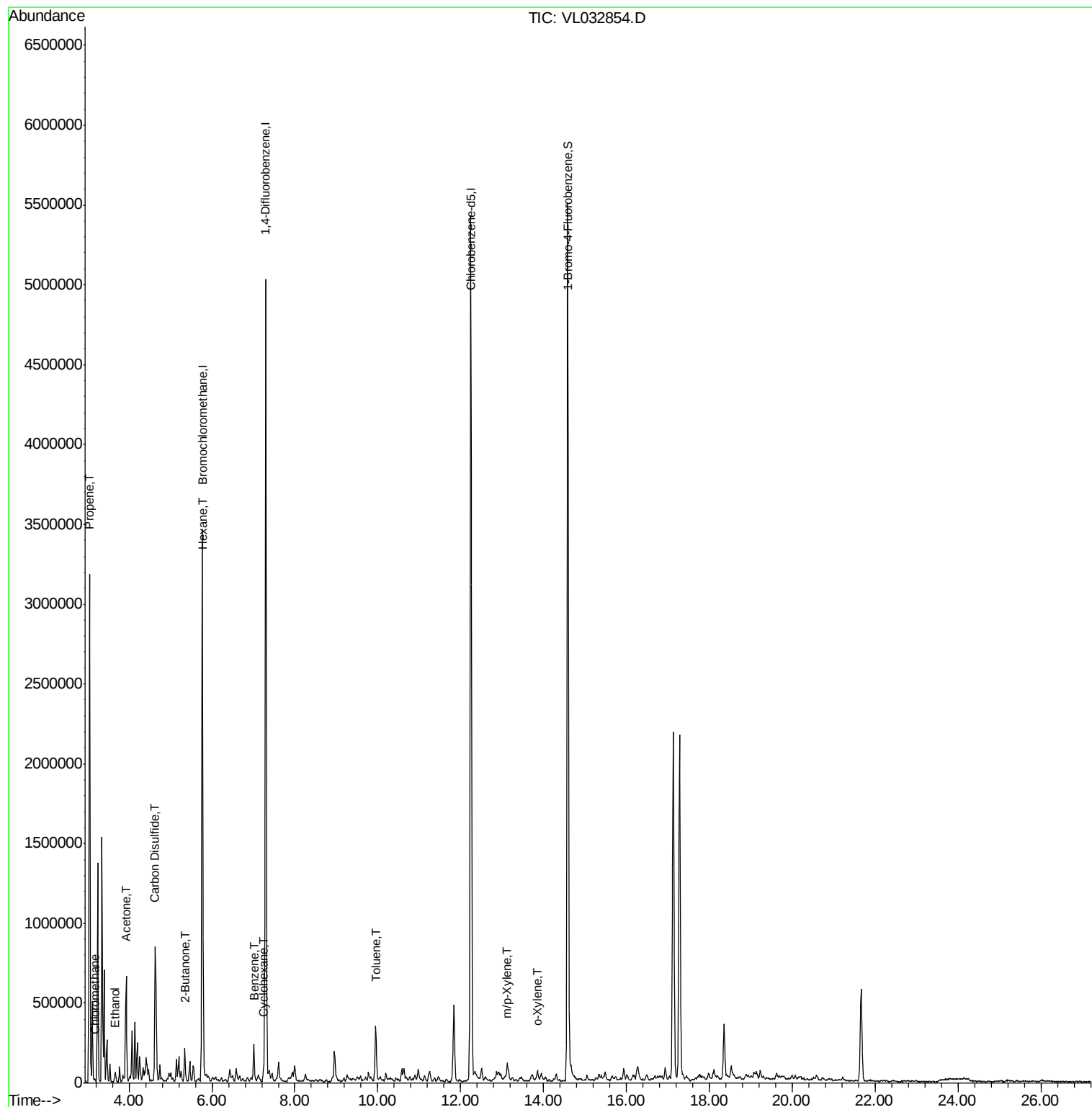
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL113018\
Data File : VL032854.D
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Misc : 400ml/MSVOA L
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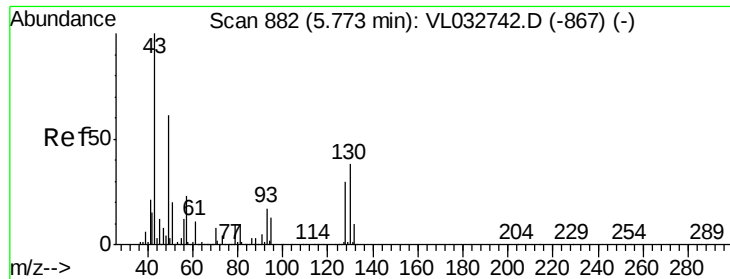
Instrument :
MSVOA_L
ClientSampleId :
DSV-01DL DUP

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Quant Time: Dec 03 14:52:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

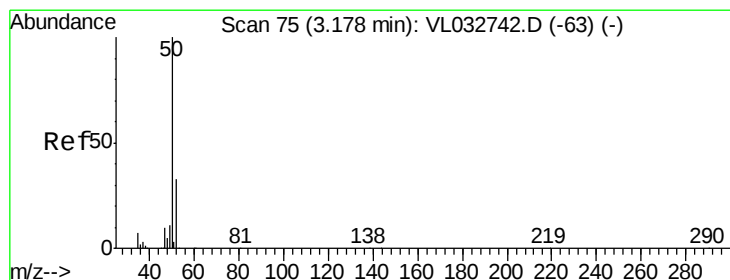
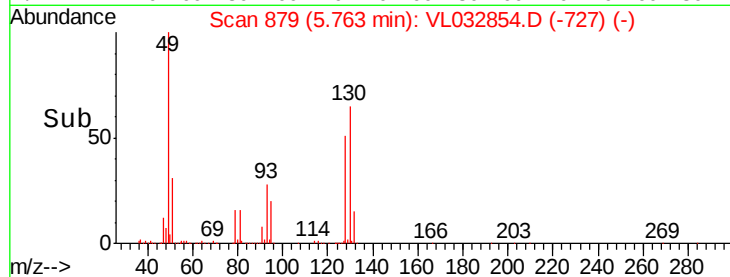
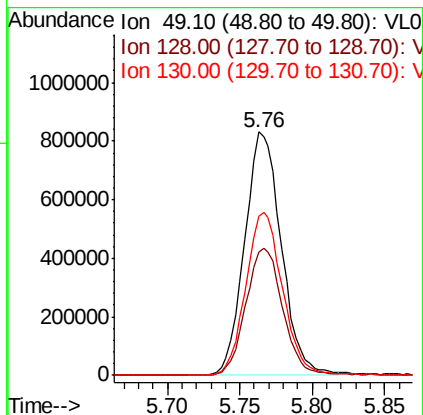
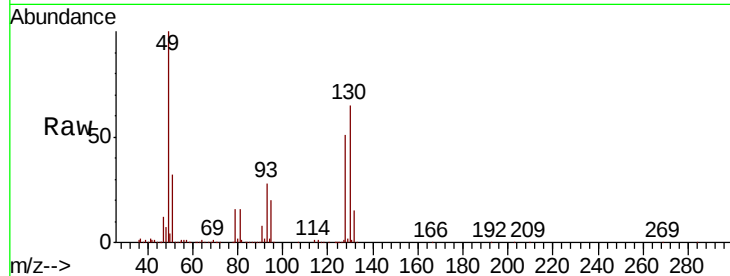
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VL032854.D
 Acq: 30 Nov 2018 18:21

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01DLDUP

Tot Ion: 49 Resp: 1462569
 Ion Ratio Lower Upper
 49 100
 128 53.3 24.9 74.6
 130 68.5 31.4 94.2

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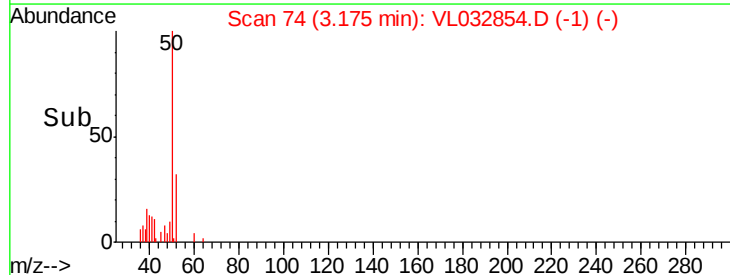
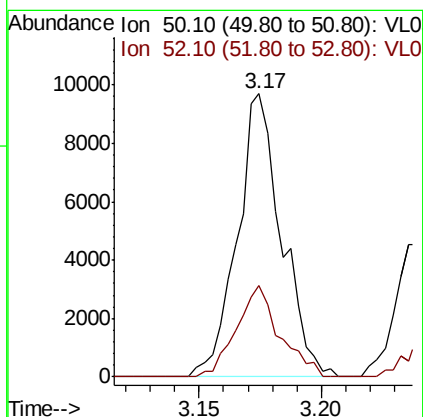
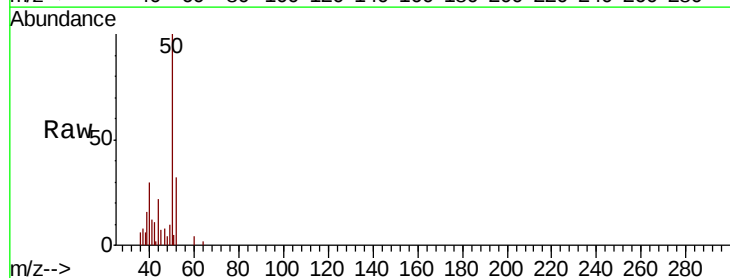
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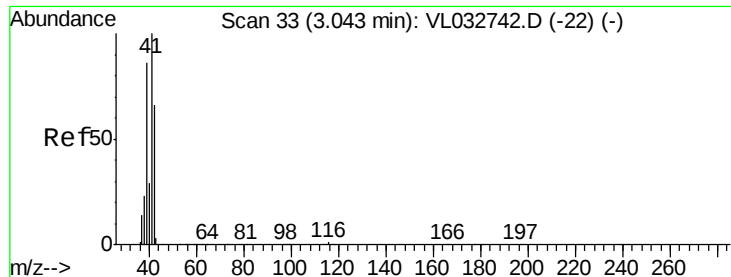


#4

Chloromethane
 Concen: 0.189 ppbv
 RT: 3.17 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: VL032854.D
 Acq: 30 Nov 2018 18:21

Tgt Ion: 50 Resp: 12170
 Ion Ratio Lower Upper
 50 100
 52 32.3 26.6 40.0





#9

Propene

Concen: 25.723 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032854.D

Acq: 30 Nov 2018 18:21

Instrument :

MSVOA_L

ClientSampleId :

DSV-01DLDP

Tot Ion: 41 Resp: 1193623

Ion Ratio Lower Upper

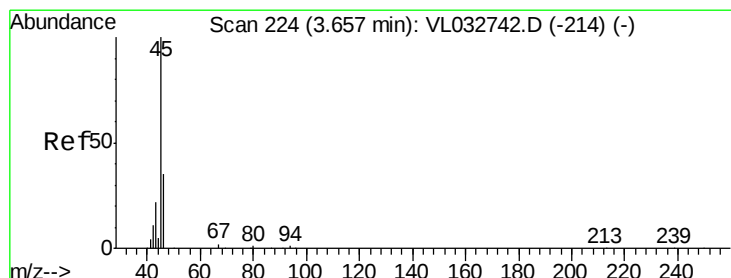
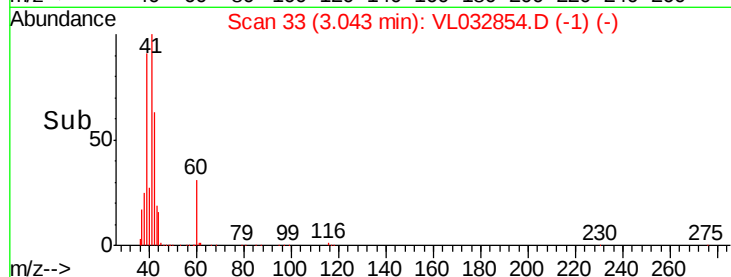
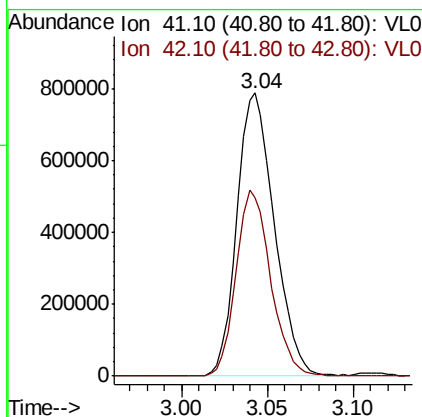
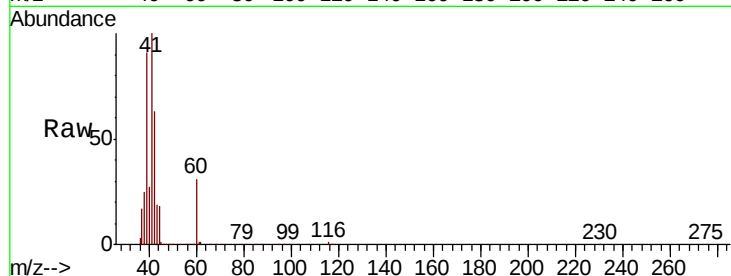
41 100

42 61.2 55.0 82.6

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#13

Ethanol

Concen: 4.229 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032854.D

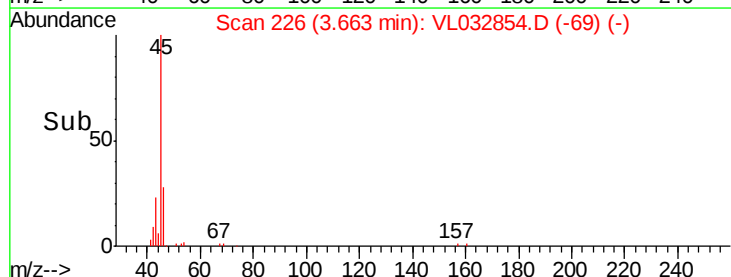
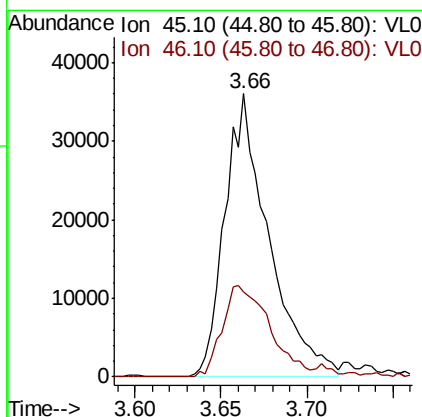
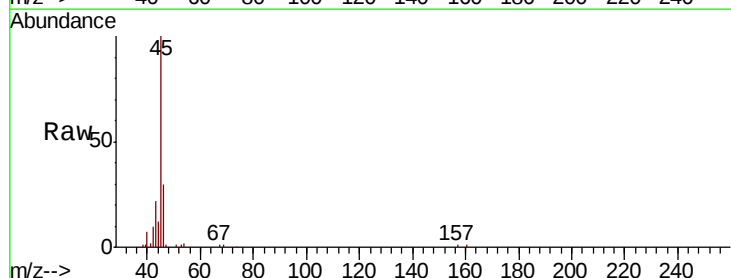
Acq: 30 Nov 2018 18:21

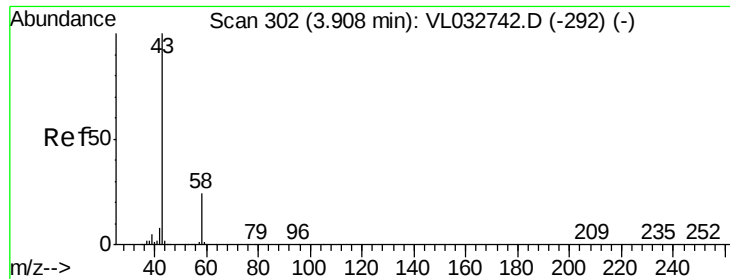
Tgt Ion: 45 Resp: 64274

Ion Ratio Lower Upper

45 100

46 36.8 14.5 57.9





#15

Acetone

Concen: 1.844 ppbv m

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032854.D

Acq: 30 Nov 2018 18:21

Instrument :

MSVOA_L

ClientSampleId :

DSV-01DLDUP

Tot Ion: 43 Resp: 246331

Ion Ratio Lower Upper

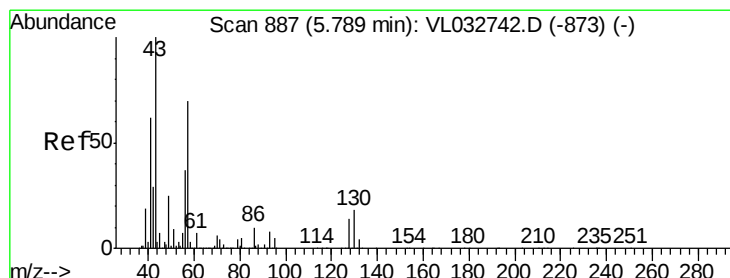
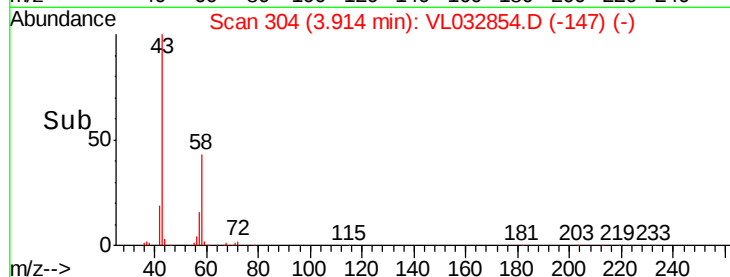
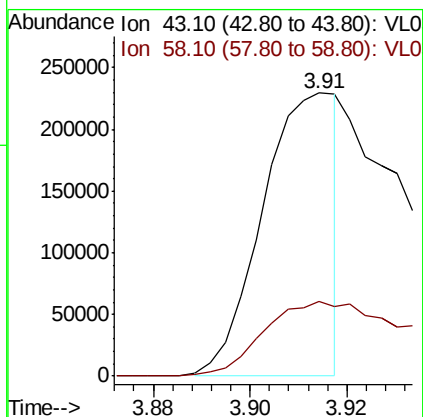
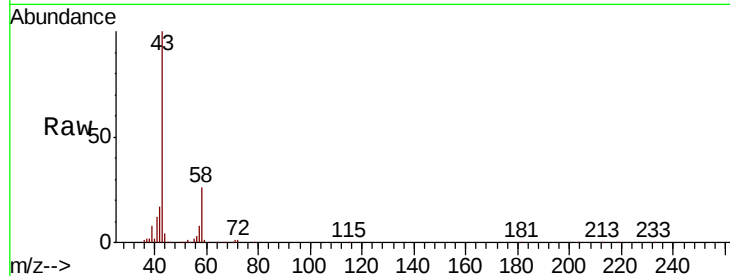
43 100

58 53.8 21.1 31.7#

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#26

Hexane

Concen: 0.930 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032854.D

Acq: 30 Nov 2018 18:21

Tgt Ion: 57 Resp: 128901

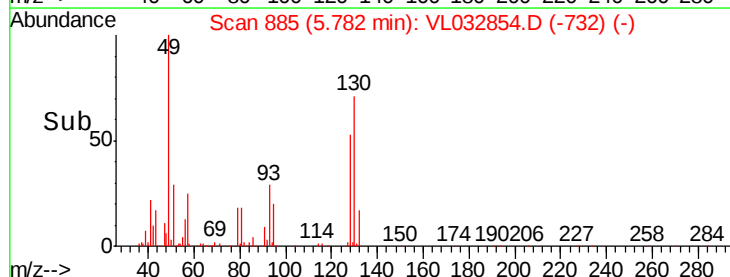
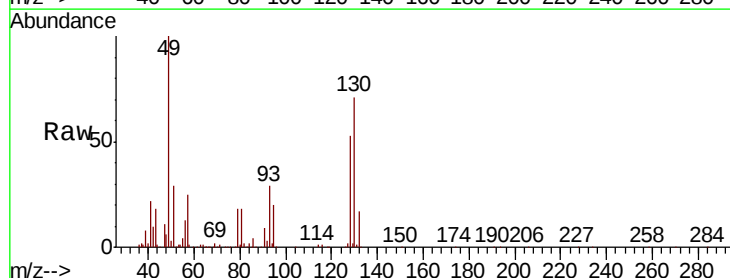
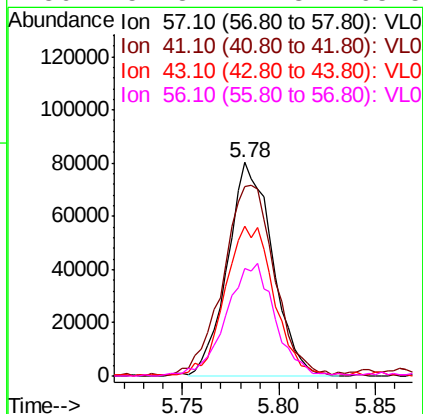
Ion Ratio Lower Upper

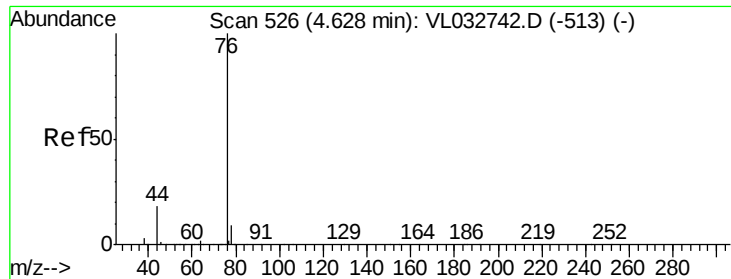
57 100

41 102.1 70.3 105.5

43 76.8 174.0 261.0#

56 57.8 42.3 63.5





#27

Carbon Disulfide

Concen: 5.117 ppbv

RT: 4.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL032854.D

Acq: 30 Nov 2018 18:21

Instrument :

MSVOA_L

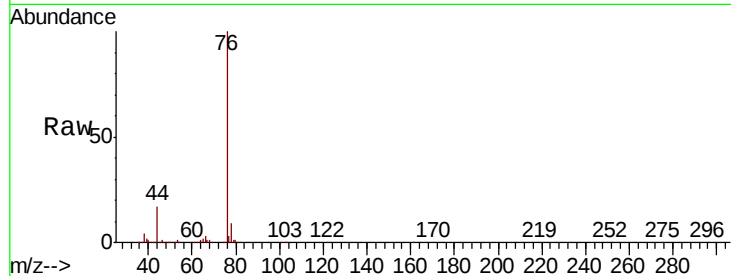
ClientSampleId :

DSV-01DLDP

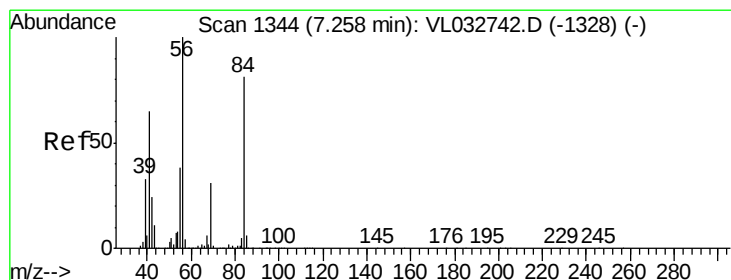
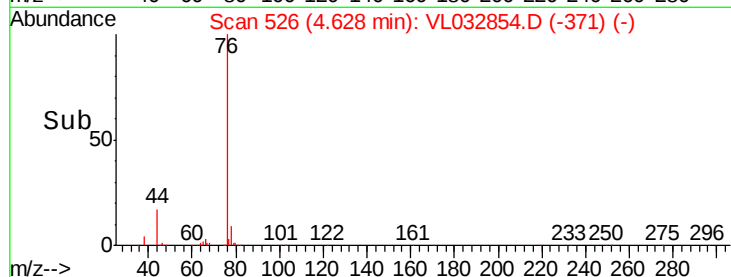
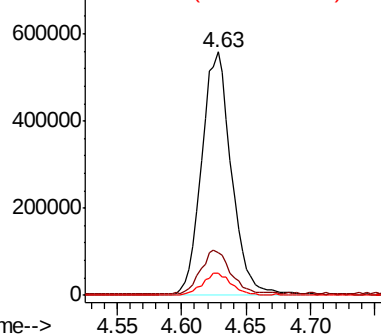
Tot Ion:	76	Resp:	899085
Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.4	21.6
78	9.1	7.7	11.5

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.274 ppbv m

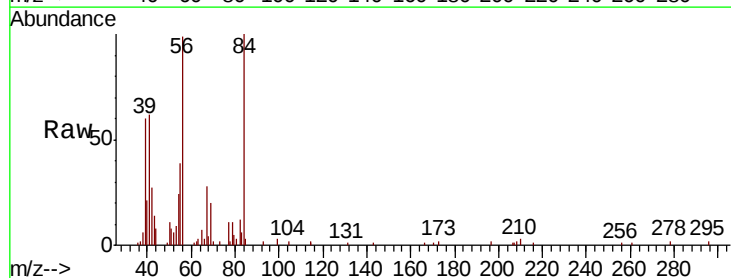
RT: 7.25 min Scan# 1340

Delta R.T. -0.01 min

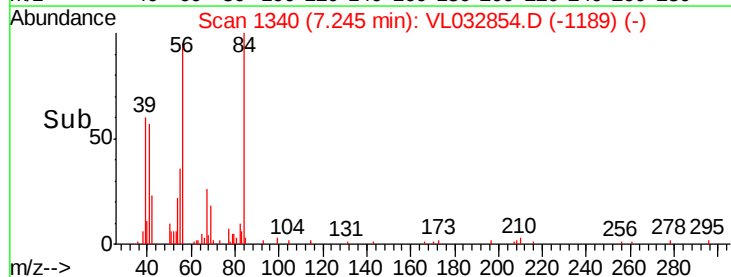
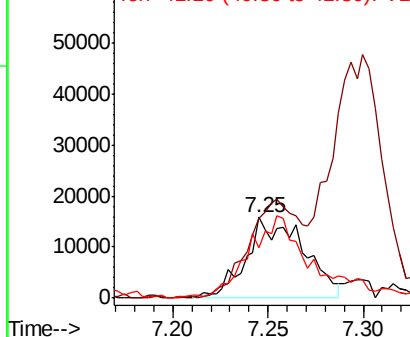
Lab File: VL032854.D

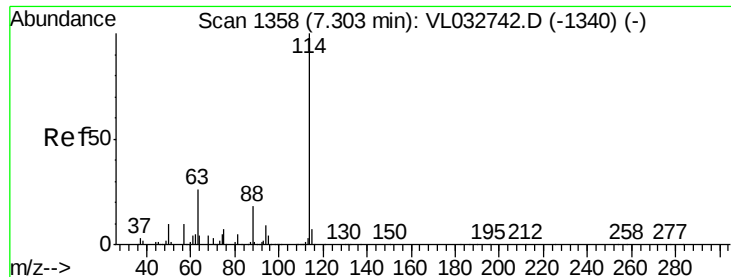
Acq: 30 Nov 2018 18:21

Tgt Ion:	84	Resp:	33157
Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	0.0	65.3	97.9#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





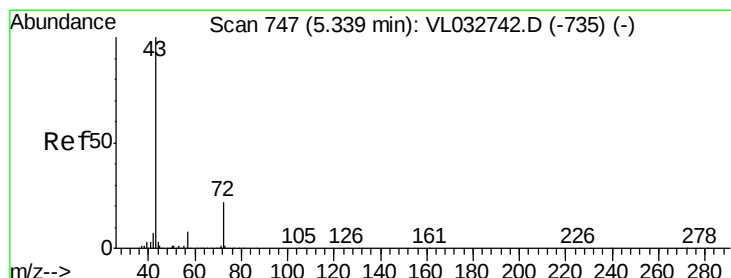
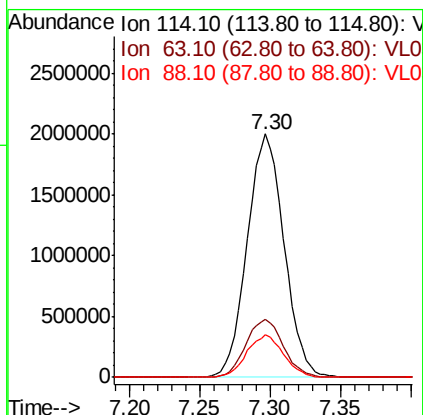
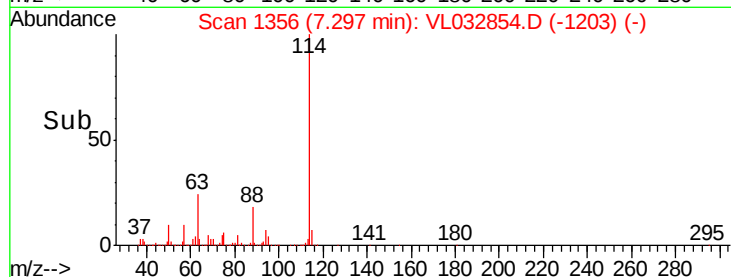
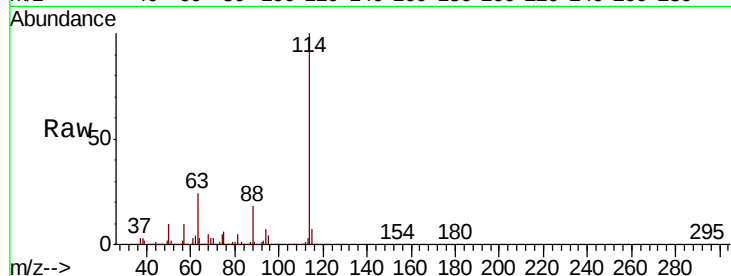
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL032854.D
 Acq: 30 Nov 2018 18:21

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-01DLDUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	20.9	31.3
88	17.5	14.4	21.6

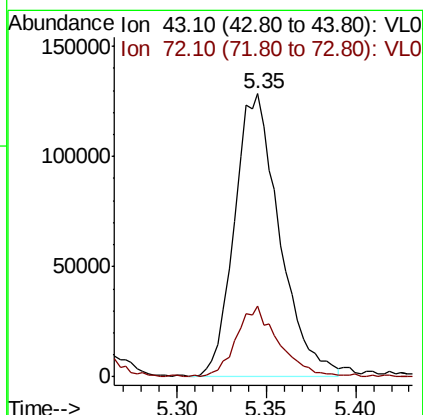
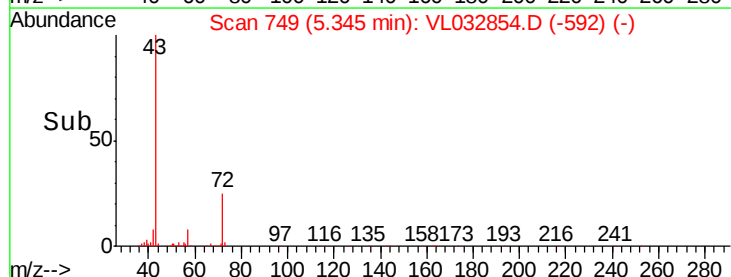
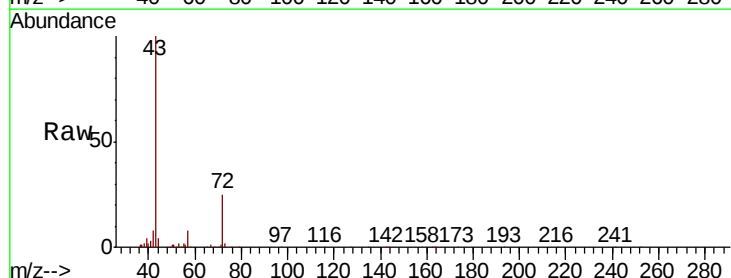
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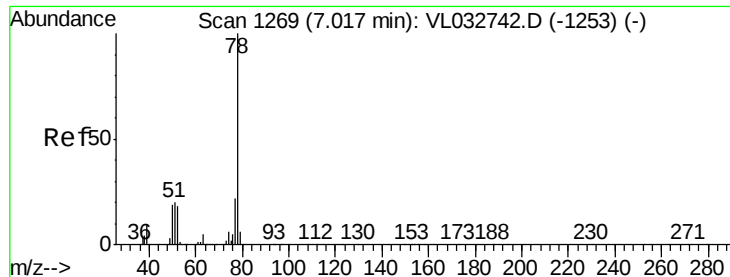
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#34
 2-Butanone
 Concen: 1.186 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032854.D
 Acq: 30 Nov 2018 18:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.4	27.6





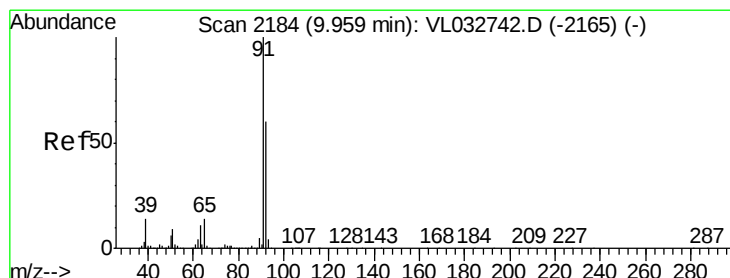
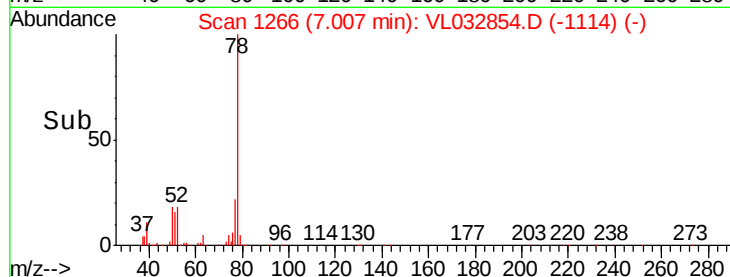
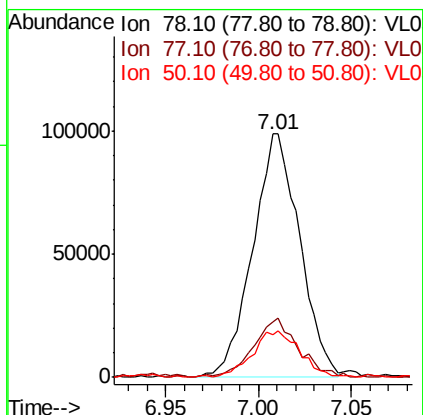
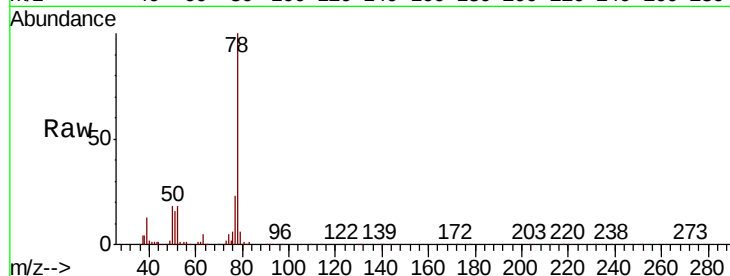
#36
Benzene
Concen: 0.595 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032854.D
Acq: 30 Nov 2018 18:21

Instrument :
MSVOA_L
ClientSampleId :
DSV-01DLDUP

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.8	26.8
50	17.4	15.4	23.0

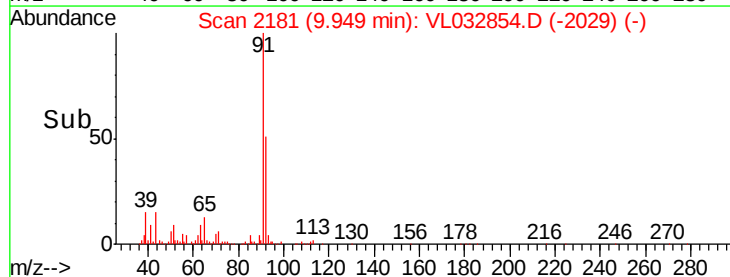
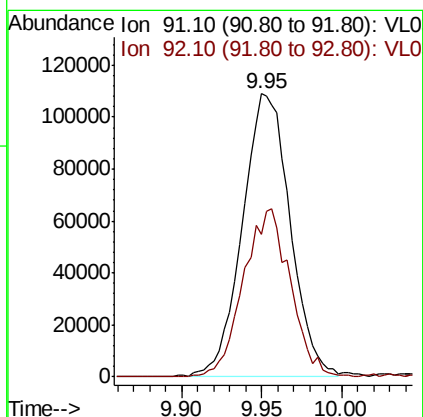
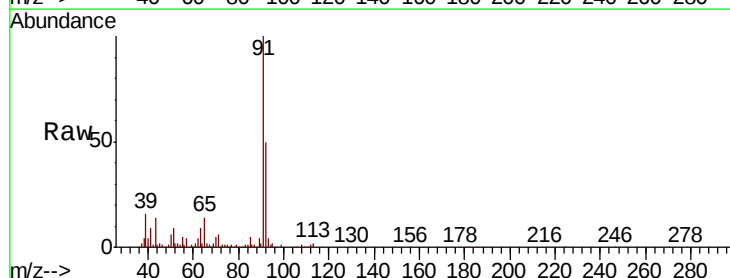
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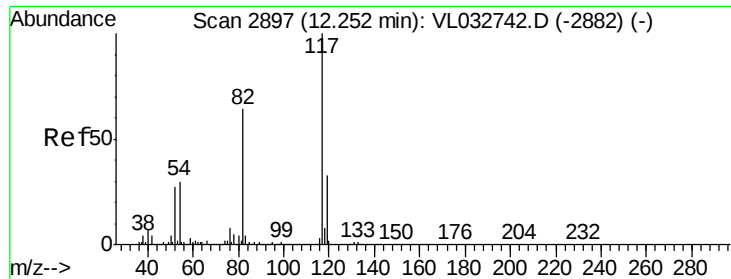
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#53
Toluene
Concen: 0.729 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032854.D
Acq: 30 Nov 2018 18:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	47.9	71.9





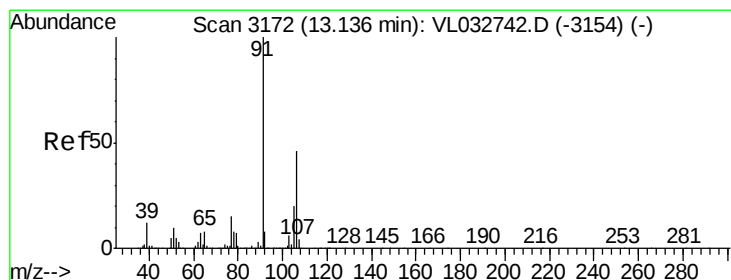
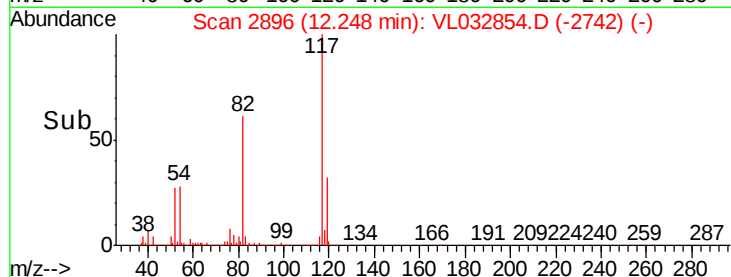
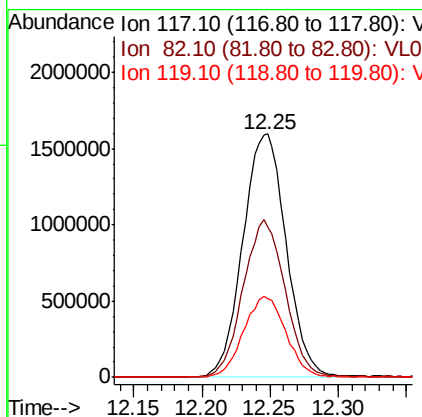
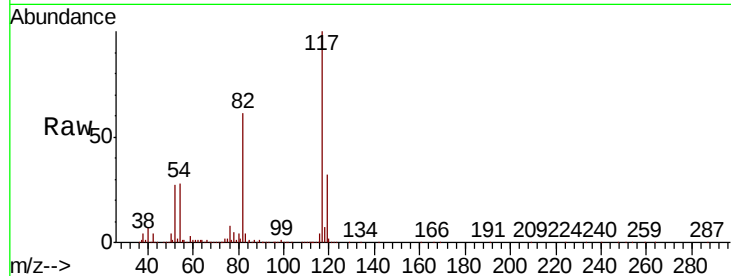
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032854.D
Acq: 30 Nov 2018 18:21

Instrument :
MSVOA_L
ClientSampleId :
DSV-01DLDP

Tot Ion:117 Resp: 3511130
Ion Ratio Lower Upper
117 100
82 62.8 51.0 76.6
119 32.7 28.0 42.0

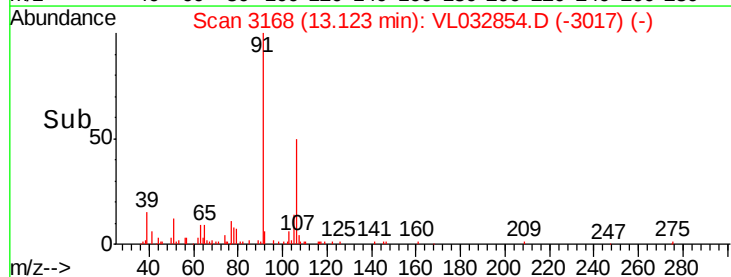
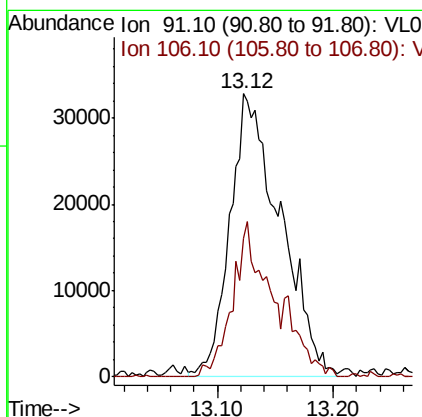
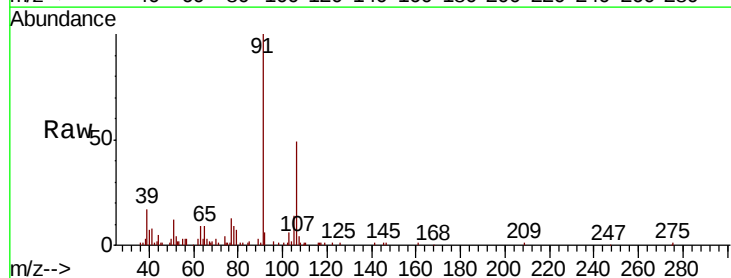
Manual Integrations
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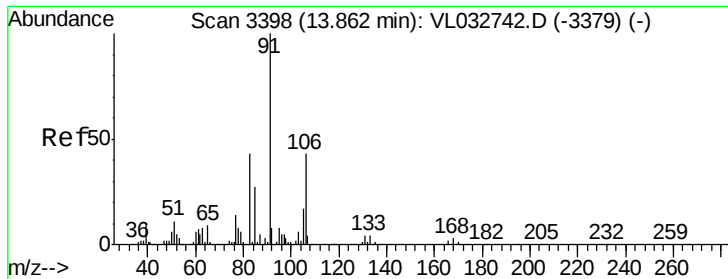
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#59
m/p-Xylene
Concen: 0.262 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL032854.D
Acq: 30 Nov 2018 18:21

Tgt Ion: 91 Resp: 98717
Ion Ratio Lower Upper
91 100
106 46.3 36.1 54.1





#60

o-Xylene

Concen: 0.127 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL032854.D

Acq: 30 Nov 2018 18:21

Instrument :

MSVOA_L

ClientSampled :

DSV-01DLDP

Tot Ion: 91 Resp: 48165

Ion Ratio Lower Upper

91 100

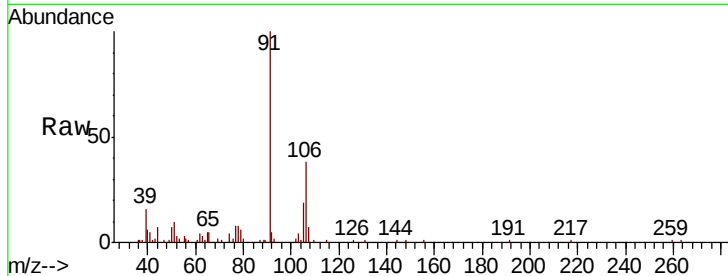
106 43.0 21.9 65.7

Manual Integrations

APPROVED

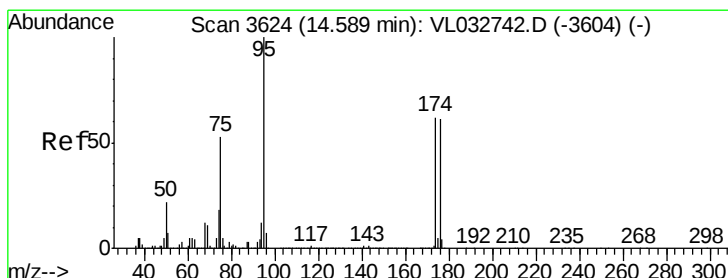
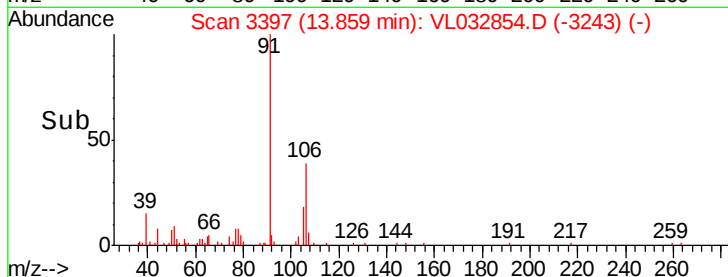
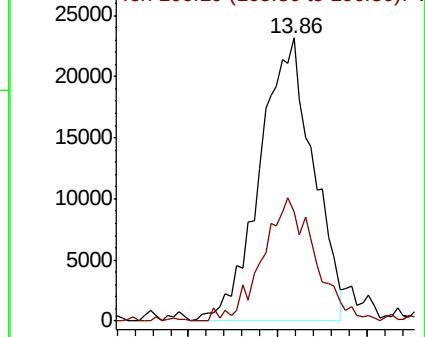
apatel

12/4/2018 4:11:10 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.222 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032854.D

Acq: 30 Nov 2018 18:21

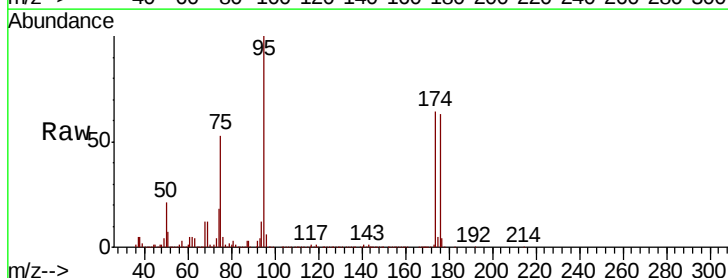
Tgt Ion: 95 Resp: 2684535

Ion Ratio Lower Upper

95 100

174 66.4 50.7 76.1

175 4.8 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

