

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032019\
 Data File : VL033415.D
 Acq On : 21 Mar 2019 9:36
 Operator : SY/AP
 Sample : K1975-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:26:43 AM

Quant Time: Mar 24 16:31:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	670752	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1578109	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1539729	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1191766	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds					Ovalue
13) Ethanol	3.65	45	53574	3.270 ppbv	98
15) Acetone	3.90	43	906592	8.695 ppbv	97
52) Tetrachloroethene	11.37	164	801755	13.626 ppbv	98
53) Toluene	9.94	91	499176	3.111 ppbv	99
59) m/p-Xylene	13.12	91	57027m	0.305 ppbv	

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

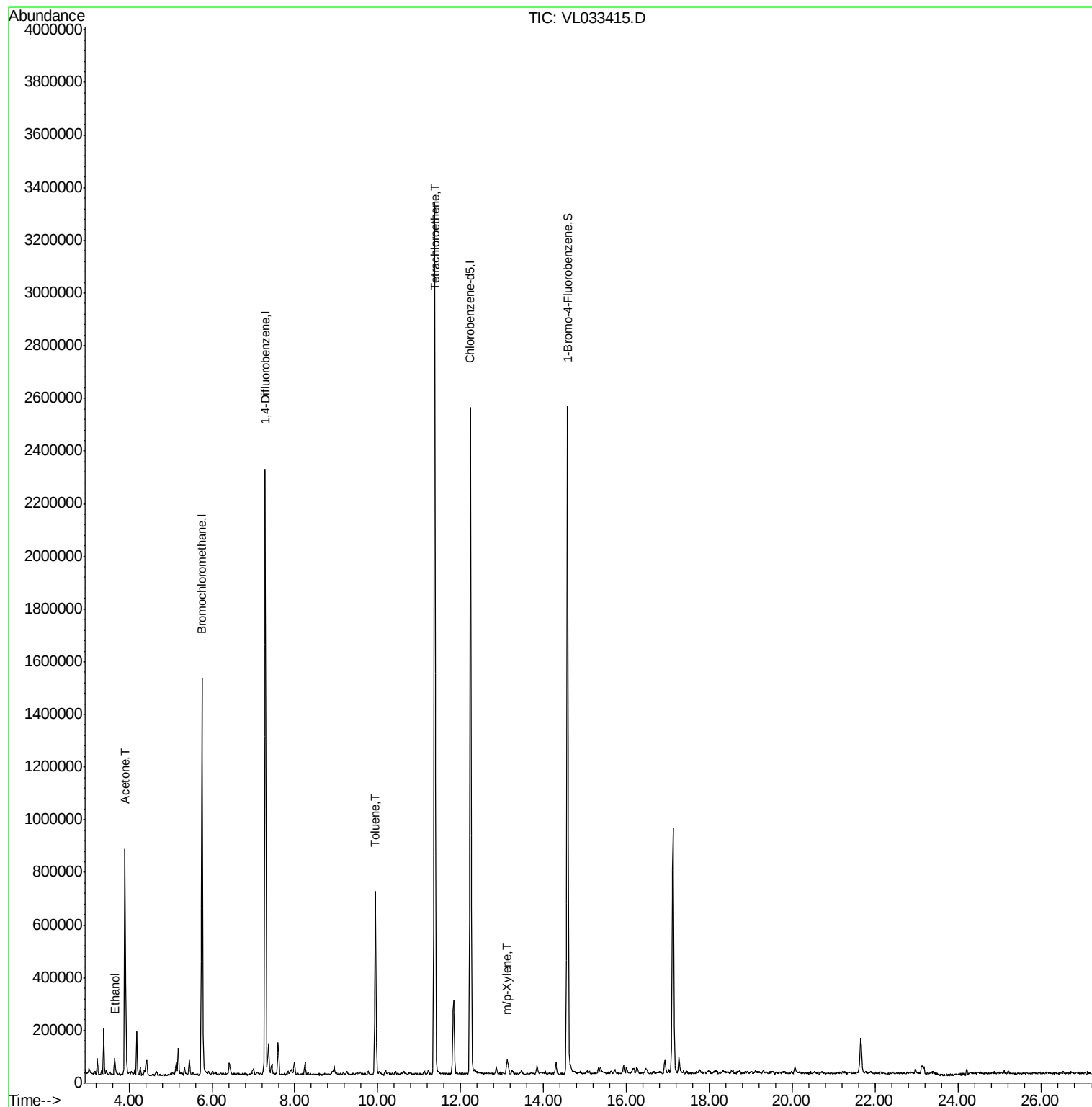
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032019\
Data File : VL033415.D
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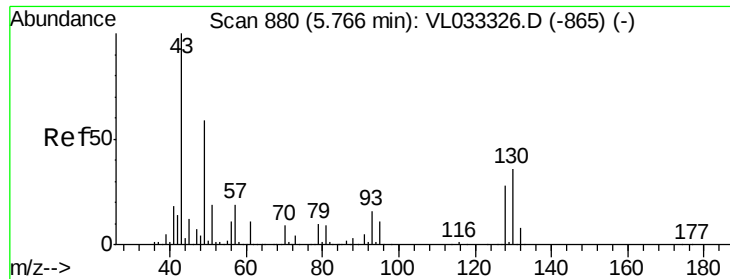
Instrument :
MSVOA_L
ClientSampleId :
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QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033415.D

Acq: 21 Mar 2019 9:36

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 49 Resp: 670752

Ion Ratio Lower Upper

49 100

128 47.6 23.5 70.6

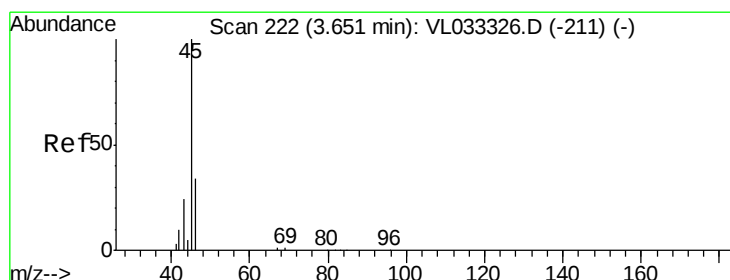
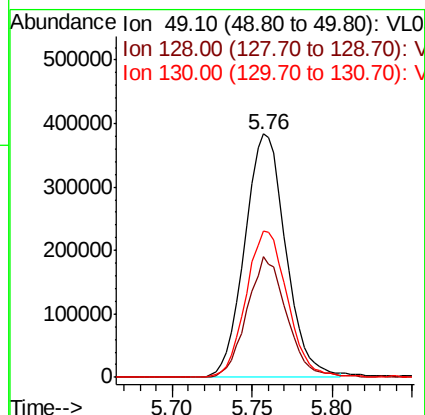
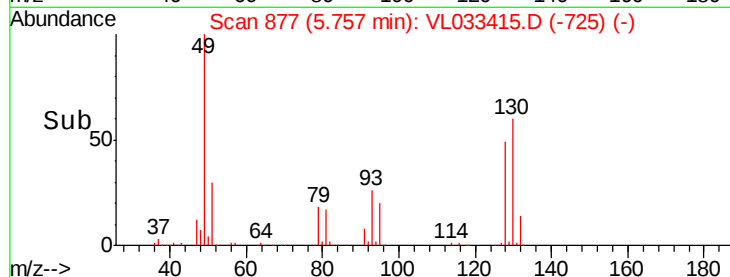
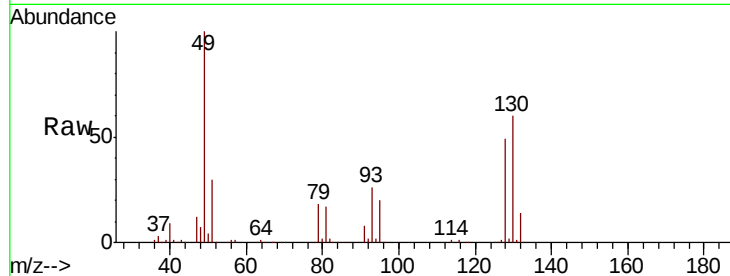
130 61.3 30.1 90.3

Manual Integrations

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#13

Ethanol

Concen: 3.270 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033415.D

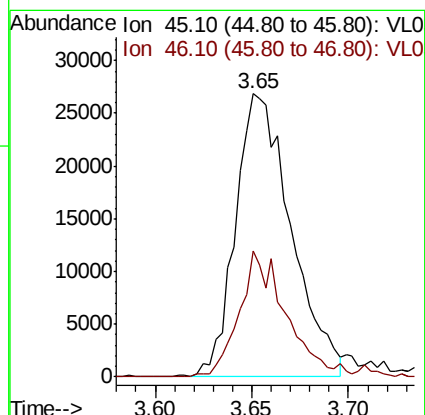
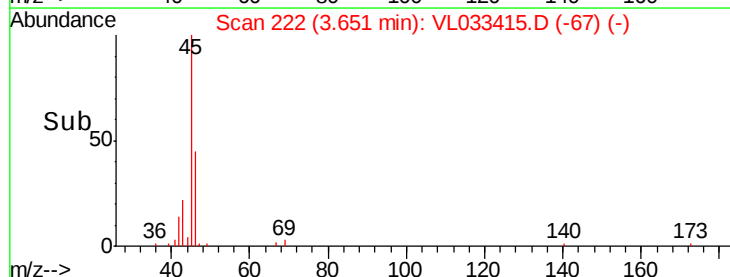
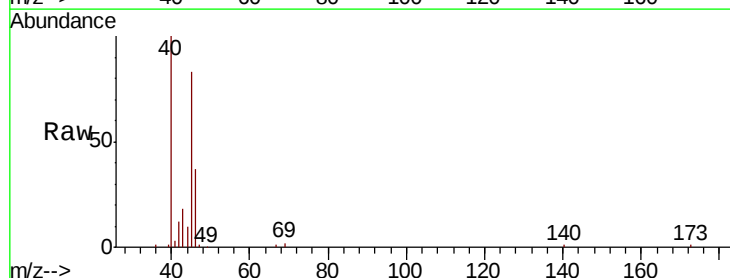
Acq: 21 Mar 2019 9:36

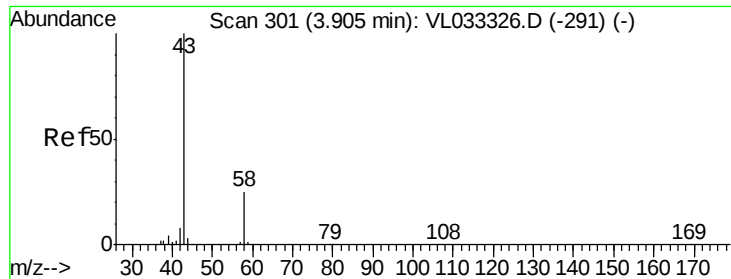
Tgt Ion: 45 Resp: 53574

Ion Ratio Lower Upper

45 100

46 38.7 14.9 59.7





#15

Acetone

Concen: 8.695 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL033415.D

Acq: 21 Mar 2019 9:36

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 43 Resp: 906592

Ion Ratio Lower Upper

43 100

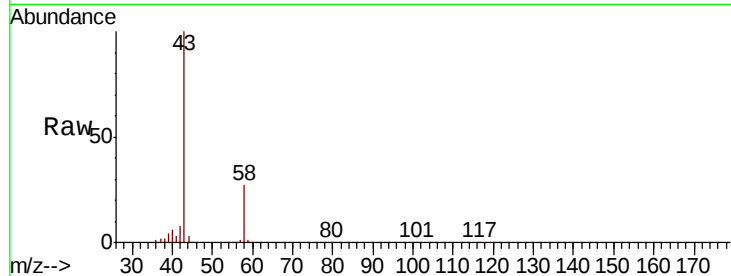
58 24.2 20.4 30.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

500000

400000

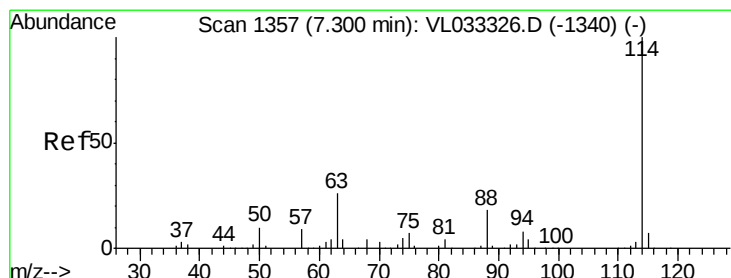
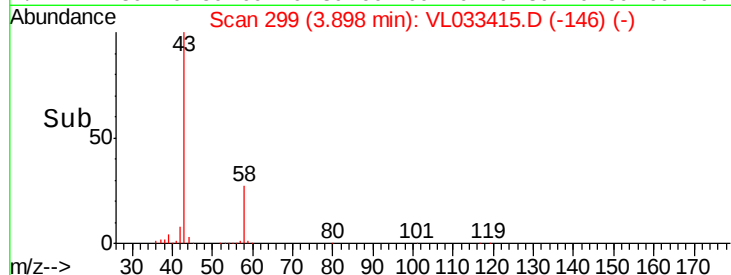
300000

200000

100000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033415.D

Acq: 21 Mar 2019 9:36

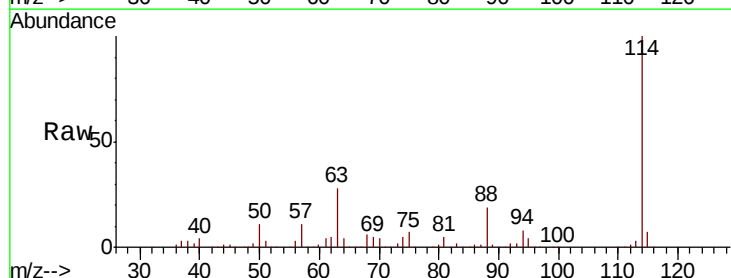
Tgt Ion: 114 Resp: 1578109

Ion Ratio Lower Upper

114 100

63 27.2 21.4 32.2

88 18.1 14.5 21.7



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

1200000

1000000

800000

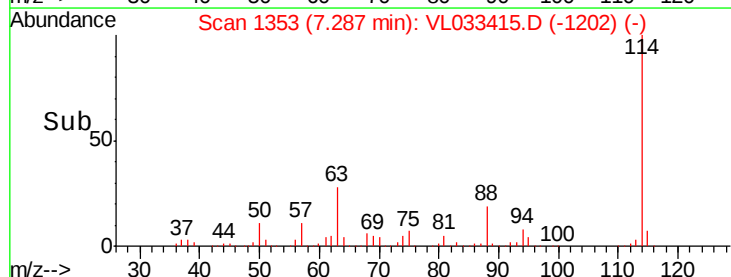
600000

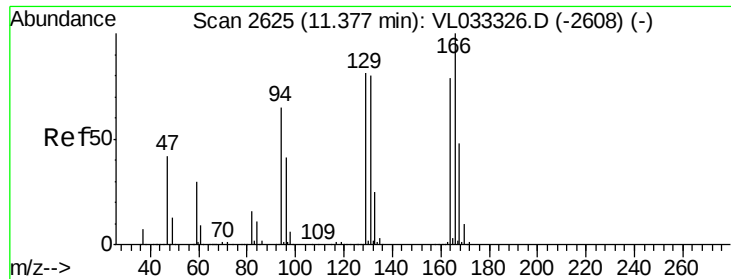
400000

200000

0

Time-->





#52

Tetrachloroethene

Concen: 13.626 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033415.D

Acq: 21 Mar 2019 9:36

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion:164 Resp: 801755

Ion Ratio Lower Upper

164 100

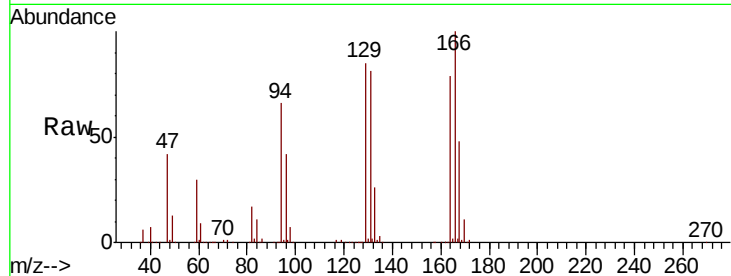
166 126.6 101.5 152.3

129 107.6 82.2 123.2

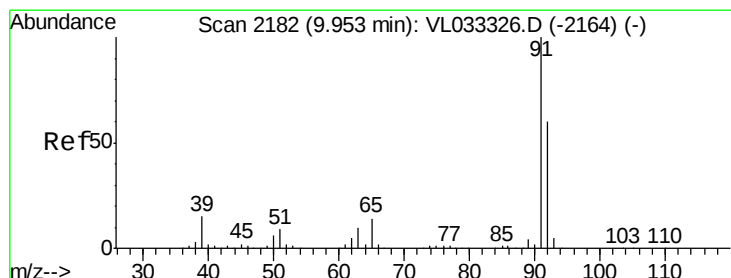
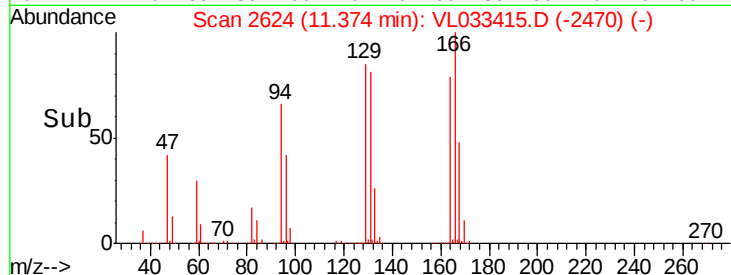
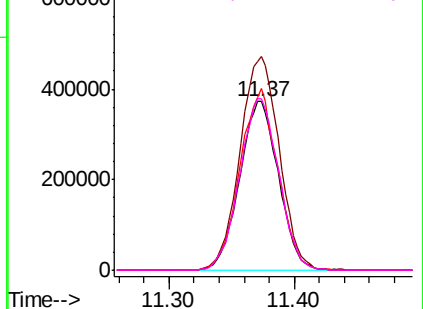
131 102.0 81.1 121.7

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Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 3.111 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033415.D

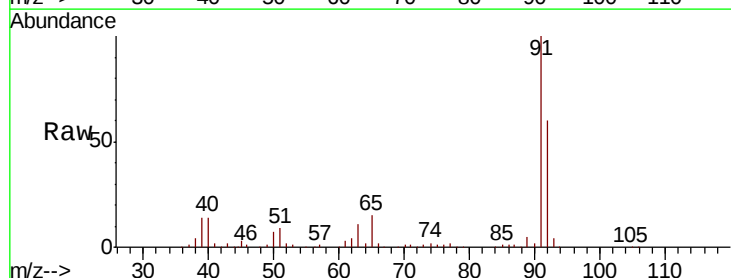
Acq: 21 Mar 2019 9:36

Tgt Ion: 91 Resp: 499176

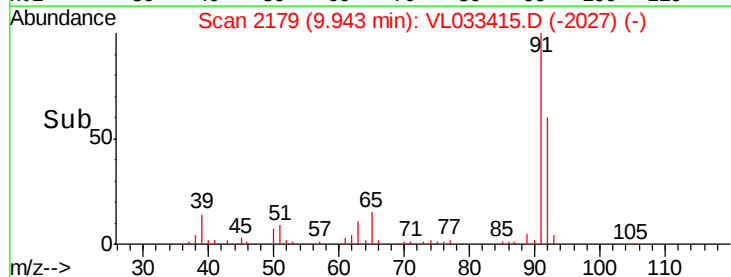
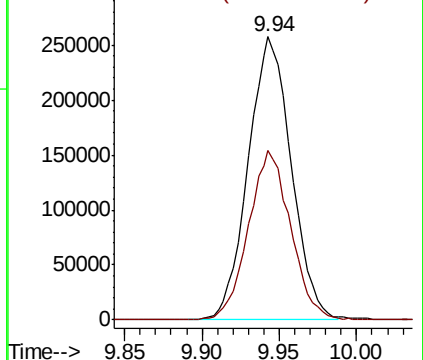
Ion Ratio Lower Upper

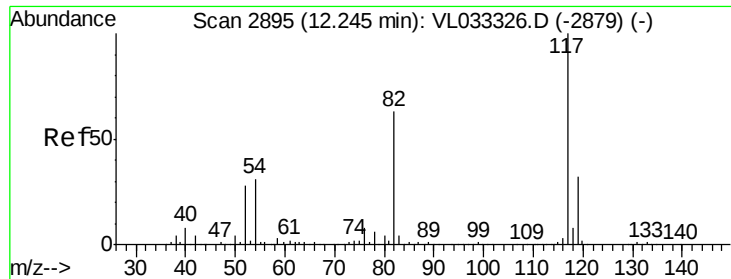
91 100

92 58.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





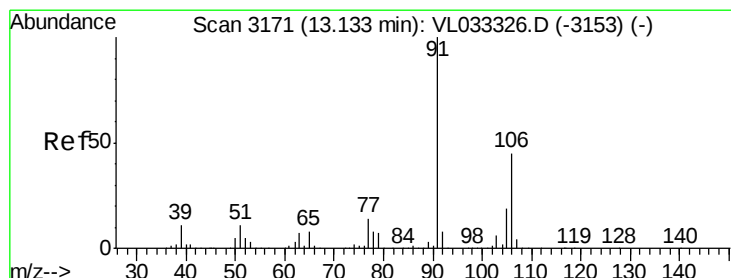
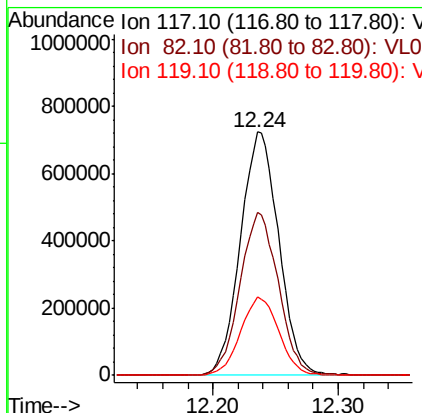
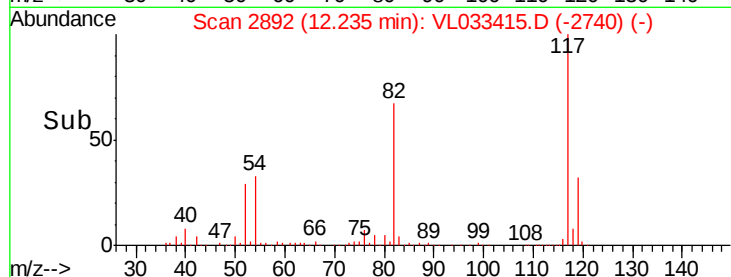
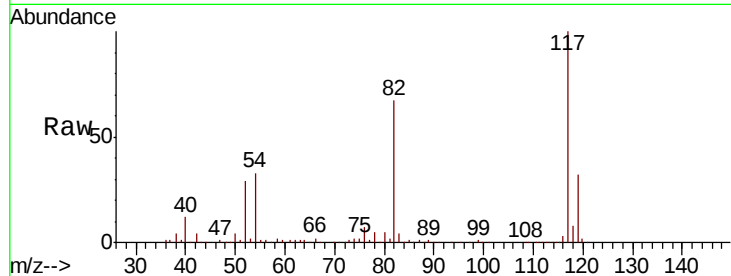
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033415.D
Acq: 21 Mar 2019 9:36

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion:117 Resp: 1539729
Ion Ratio Lower Upper
117 100
82 66.9 53.4 80.2
119 32.3 27.3 40.9

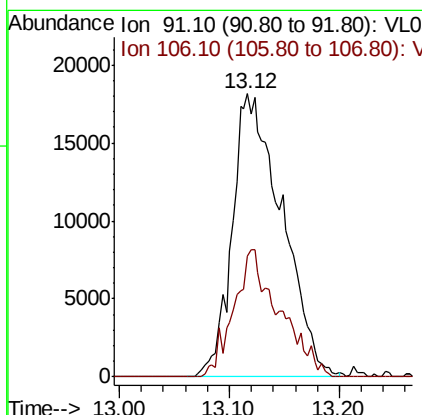
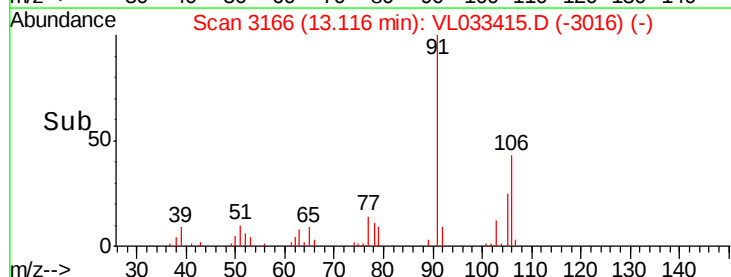
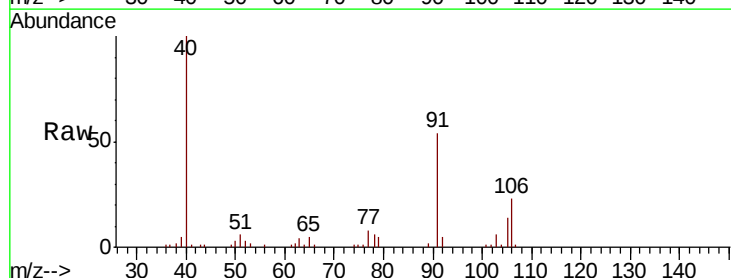
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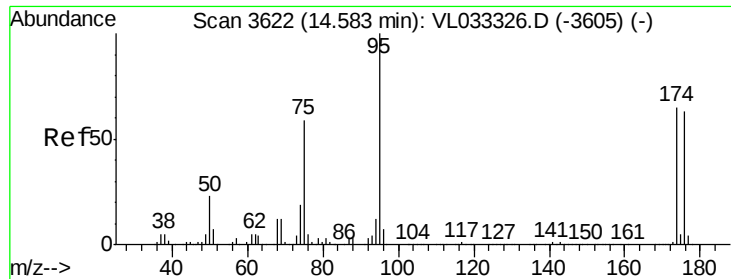
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#59
m/p-Xylene
Concen: 0.305 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL033415.D
Acq: 21 Mar 2019 9:36

Tgt Ion: 91 Resp: 57027
Ion Ratio Lower Upper
91 100
106 41.3 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.445 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033415.D
 Acq: 21 Mar 2019 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion: 95 Resp: 1191766
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.5 77.3
 175 4.6 3.8 5.6

Manual Integrations
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