

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032784.D
 Acq On : 20 Nov 2018 18:45
 Operator : SY/AP
 Sample : J5961-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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 11/26/2018 9:18:46 AM

Quant Time: Nov 21 21:24:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 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	5.77	49	1531048	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3848909	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3516607	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2596721	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	7922	0.163	ppbv	86
13) Ethanol	3.66	45	147429	9.266	ppbv	99
15) Acetone	3.92	43	146965	1.051	ppbv	100
19) Isopropyl Alcohol	4.05	45	101027	1.085	ppbv #	93
52) Tetrachloroethene	11.38	164	1450323	13.603	ppbv	97
53) Toluene	9.96	91	61620m	0.193	ppbv	
59) m/p-Xylene	13.13	91	67240m	0.178	ppbv	

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

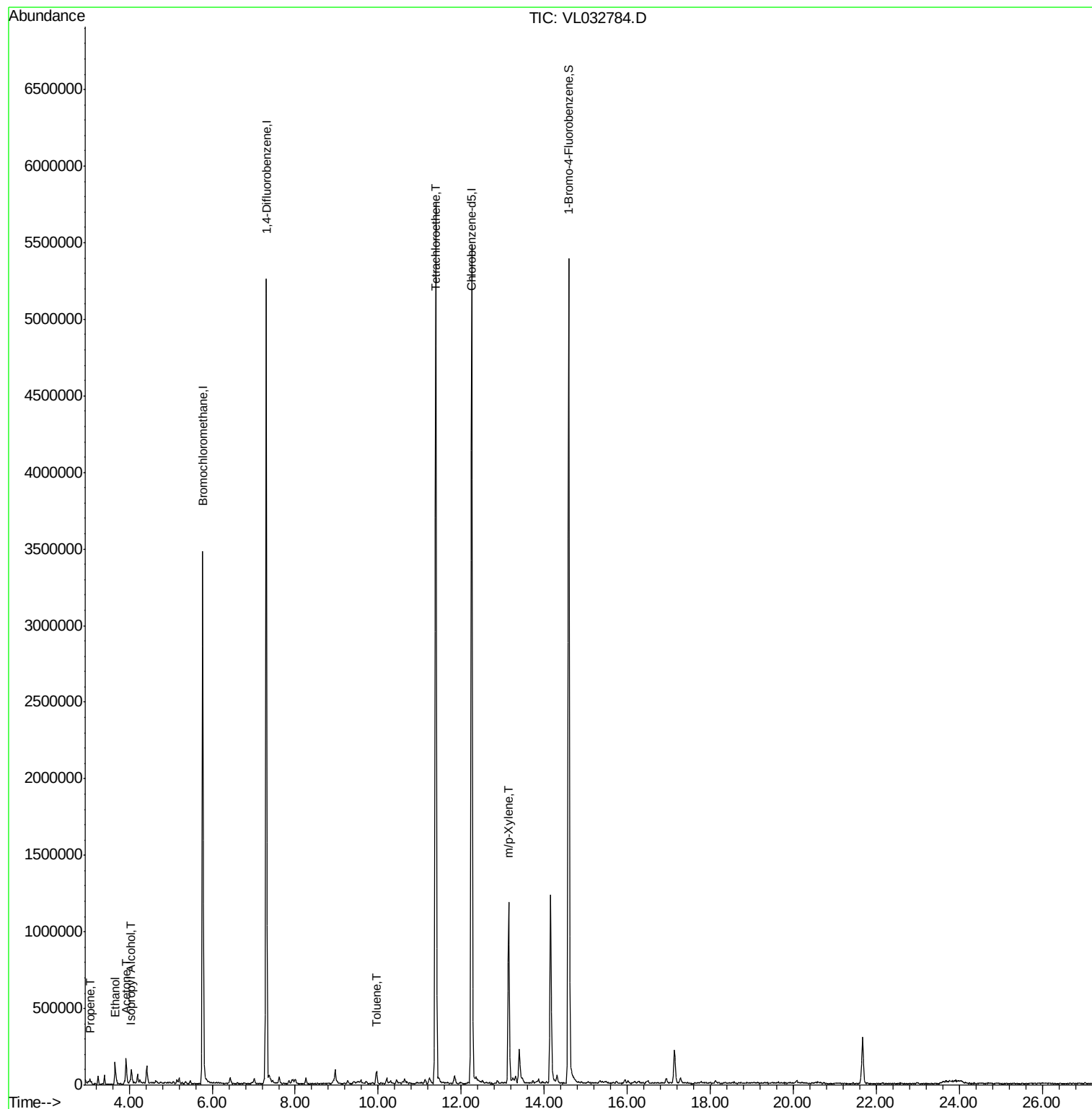
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
Data File : VL032784.D
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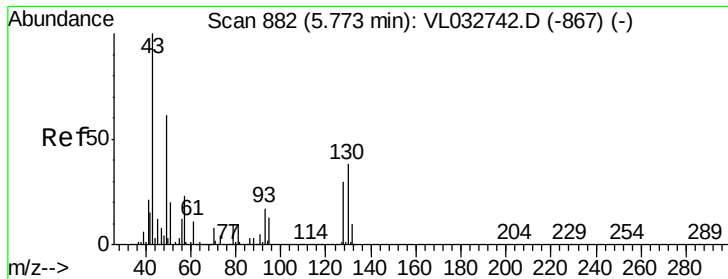
Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032784.D

Acq: 20 Nov 2018 18:45

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 49 Resp: 1531048

Ion Ratio Lower Upper

49 100

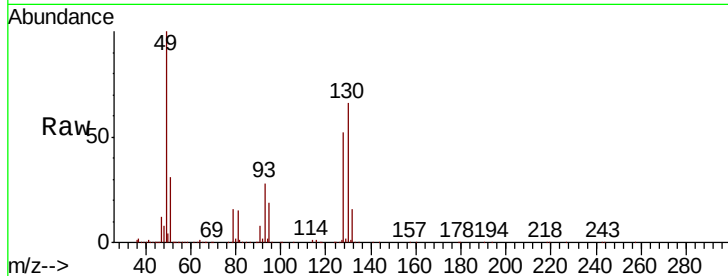
128 54.0 24.9 74.6

130 68.8 31.4 94.2

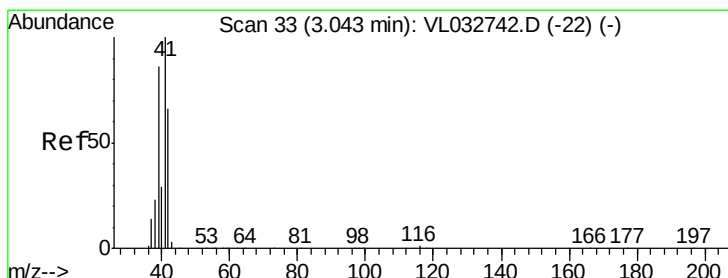
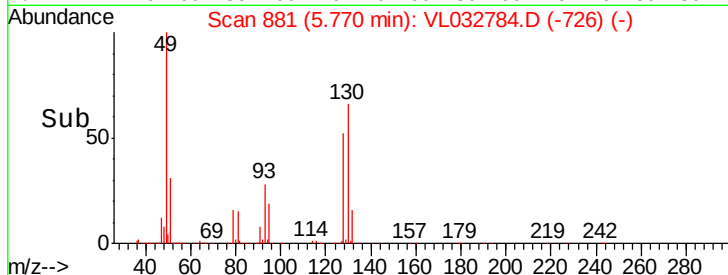
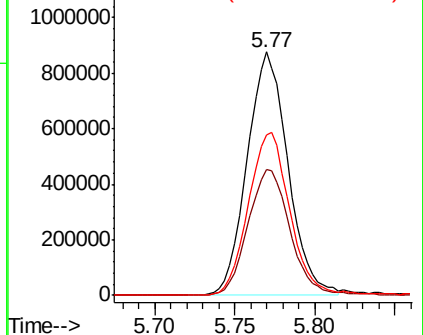
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.163 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032784.D

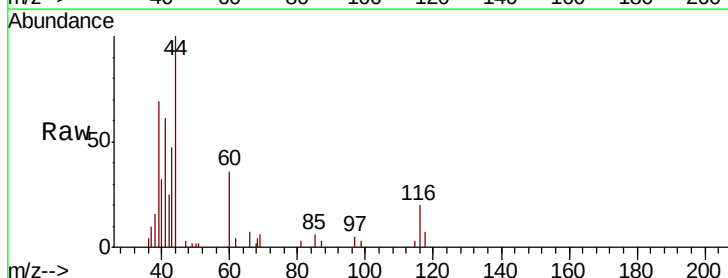
Acq: 20 Nov 2018 18:45

Tgt Ion: 41 Resp: 7922

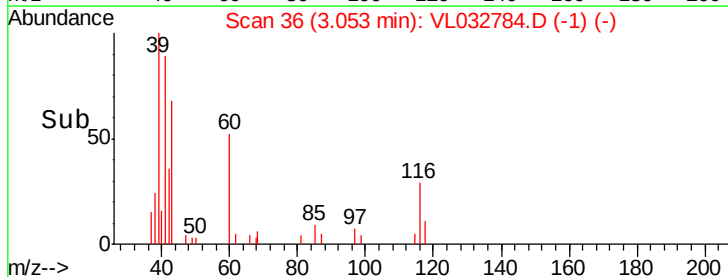
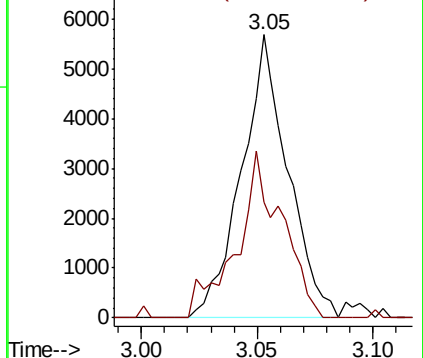
Ion Ratio Lower Upper

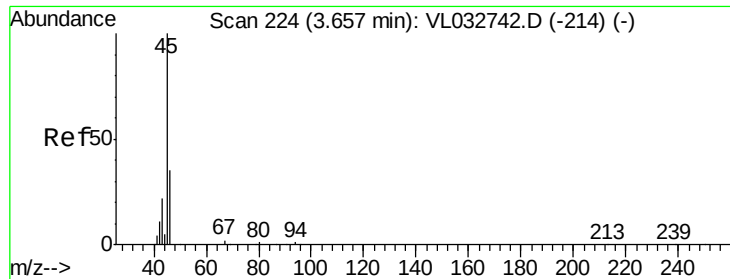
41 100

42 57.6 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





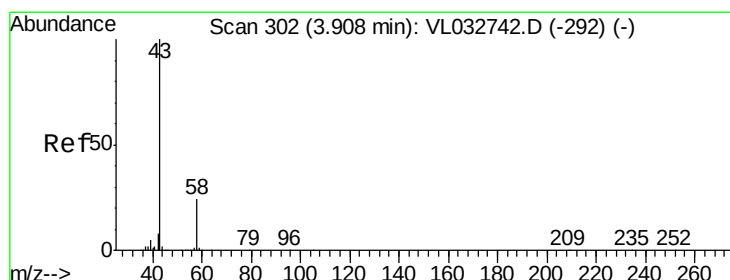
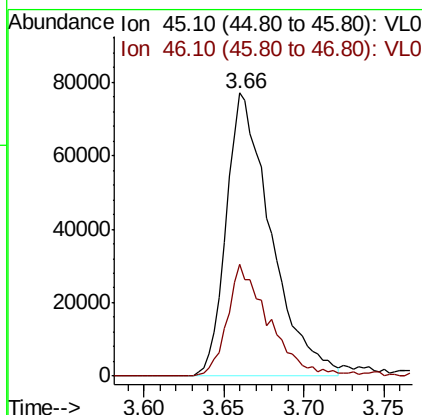
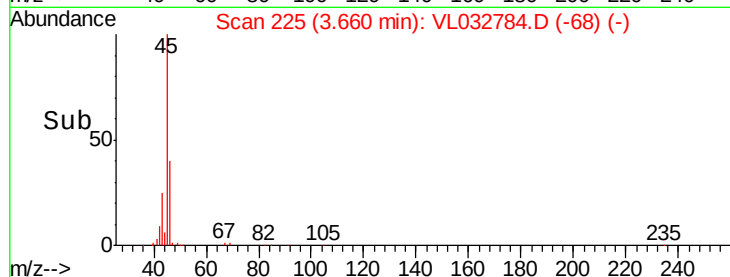
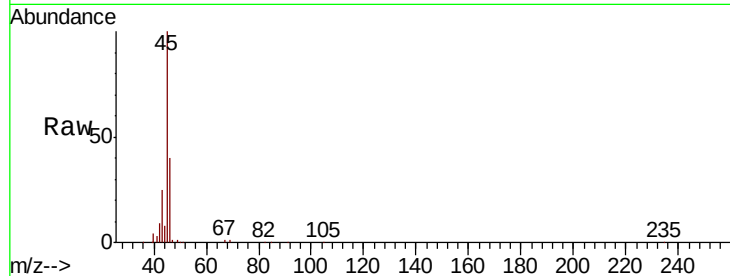
#13
Ethanol
Concen: 9.266 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032784.D
Acq: 20 Nov 2018 18:45

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion: 45 Resp: 147429
Ion Ratio Lower Upper
45 100
46 36.7 14.5 57.9

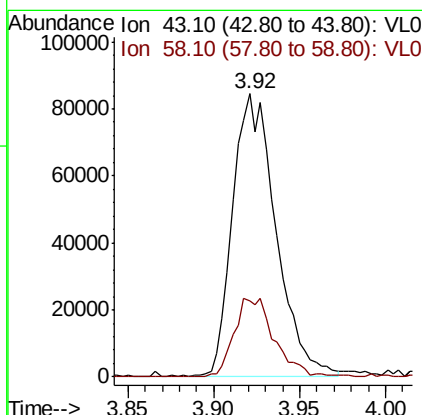
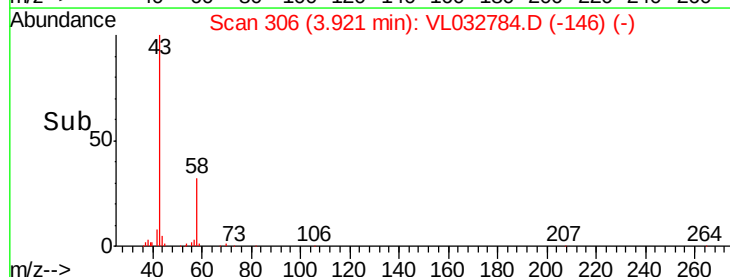
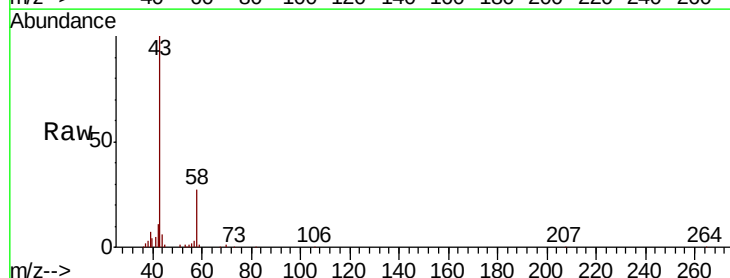
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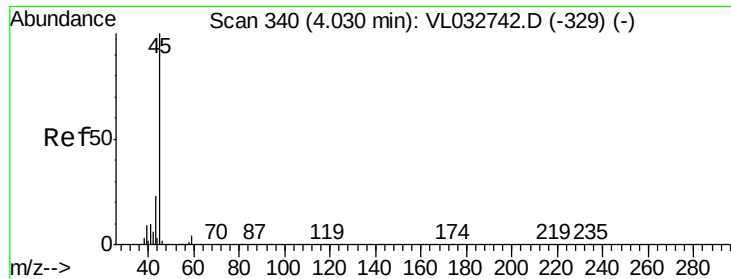
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#15
Acetone
Concen: 1.051 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.01 min
Lab File: VL032784.D
Acq: 20 Nov 2018 18:45

Tgt Ion: 43 Resp: 146965
Ion Ratio Lower Upper
43 100
58 26.3 21.1 31.7





#19

Isopropyl Alcohol

Concen: 1.085 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032784.D

Acq: 20 Nov 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 45 Resp: 101027

Ion Ratio Lower Upper

45 100

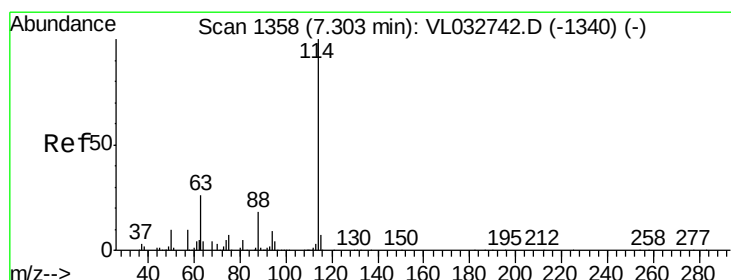
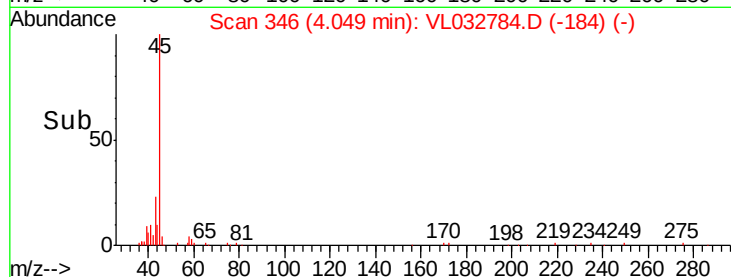
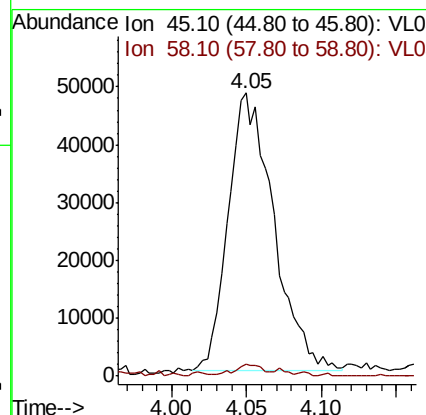
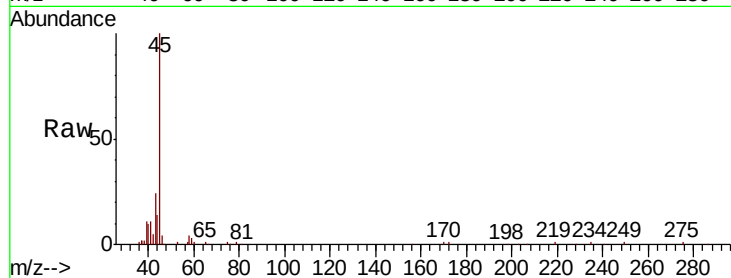
58 4.4 1.4 2.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032784.D

Acq: 20 Nov 2018 18:45

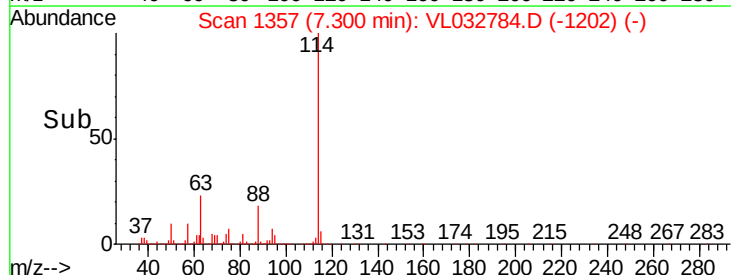
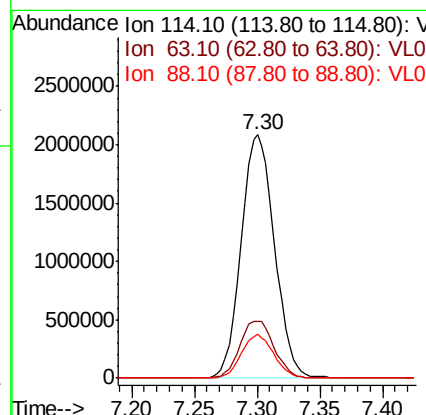
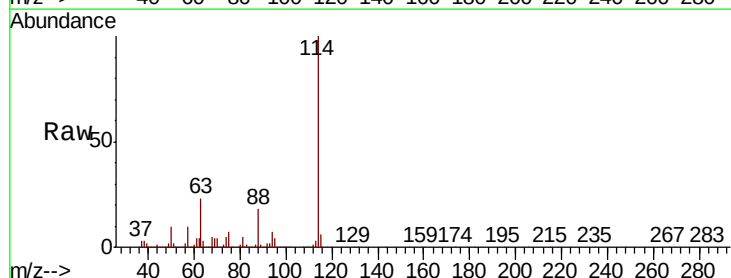
Tgt Ion: 114 Resp: 3848909

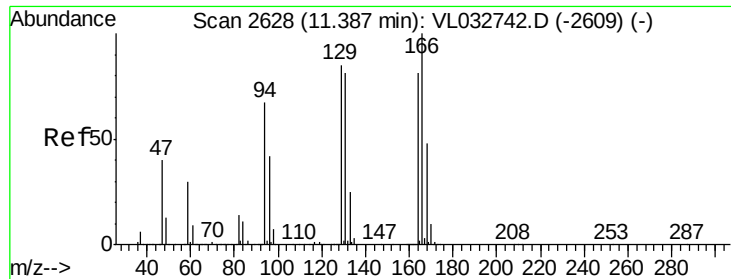
Ion Ratio Lower Upper

114 100

63 24.1 20.9 31.3

88 17.5 14.4 21.6





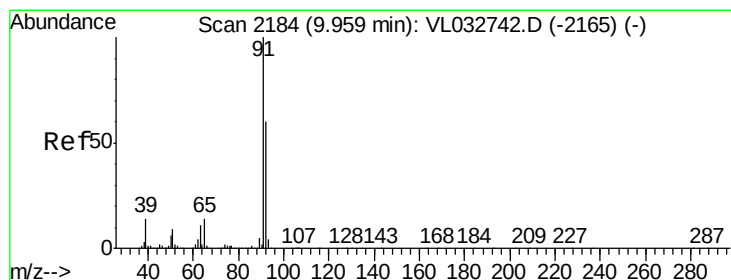
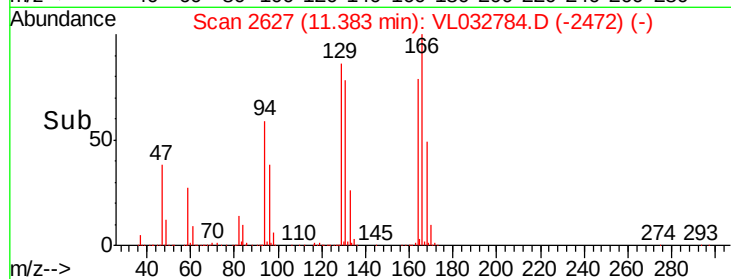
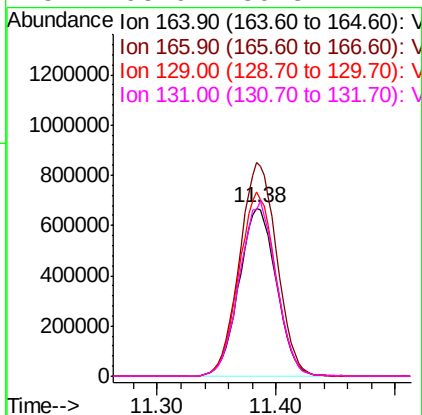
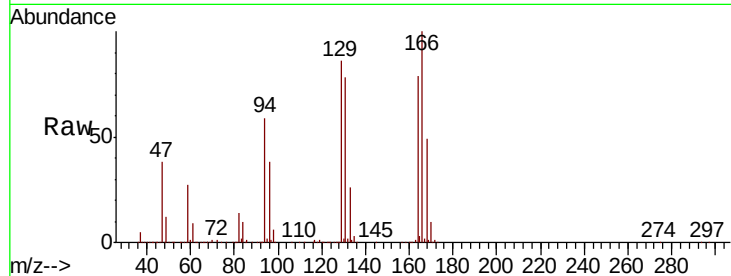
#52
Tetrachloroethene
Concen: 13.603 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032784.D
Acq: 20 Nov 2018 18:45

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	99.3	148.9
129	109.6	83.9	125.9
131	98.9	80.8	121.2

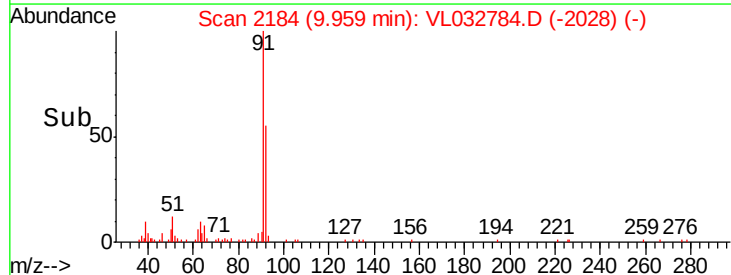
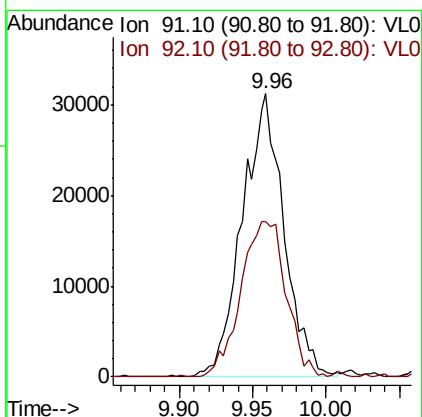
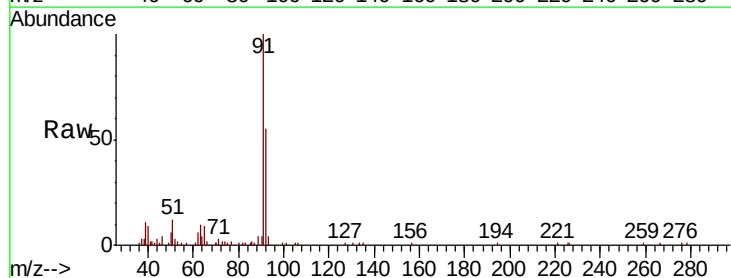
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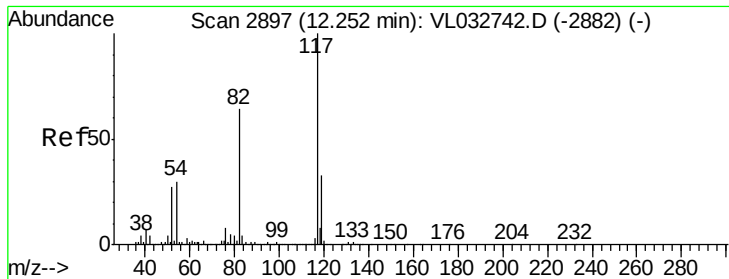
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#53
Toluene
Concen: 0.193 ppbv m
RT: 9.96 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL032784.D
Acq: 20 Nov 2018 18:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.5	47.9	71.9





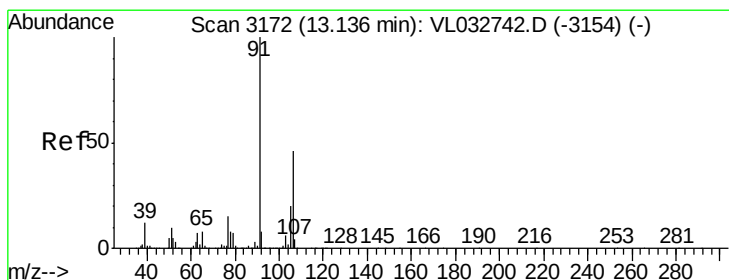
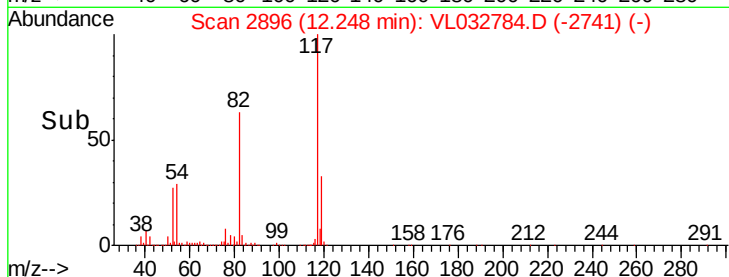
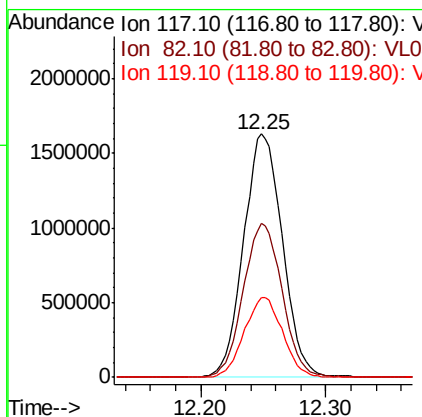
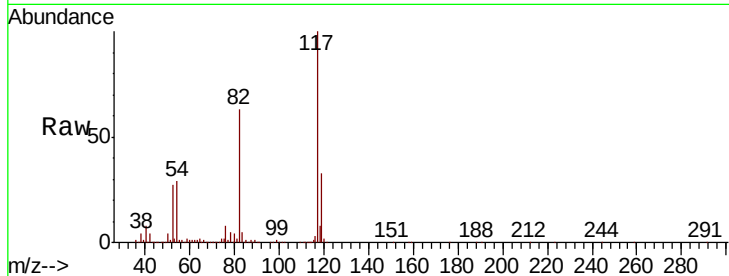
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032784.D
Acq: 20 Nov 2018 18:45

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion:117 Resp: 3516607
Ion Ratio Lower Upper
117 100
82 63.8 51.0 76.6
119 32.7 28.0 42.0

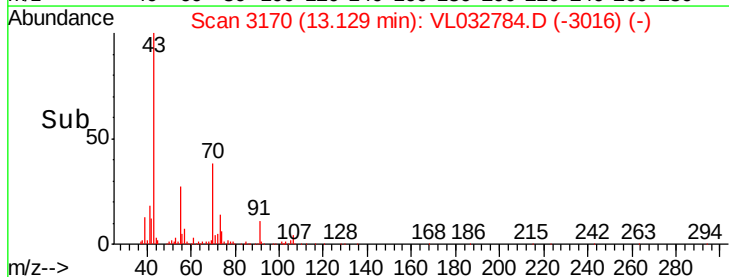
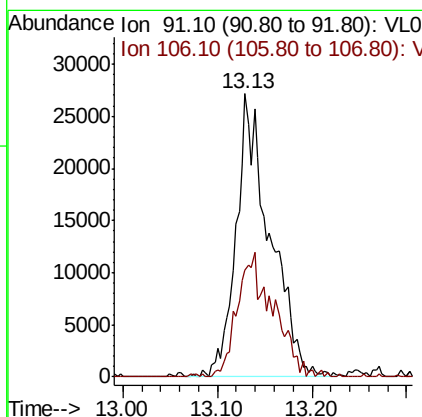
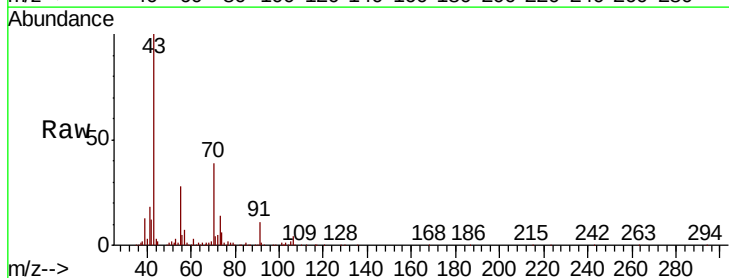
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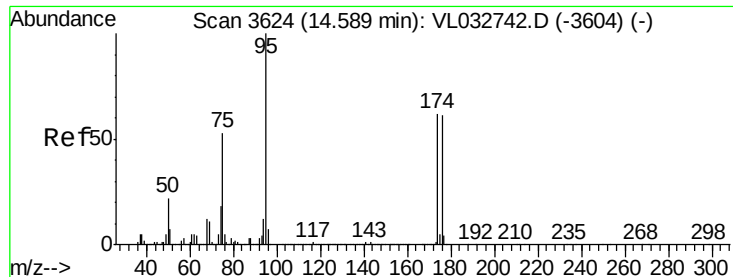
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#59
m/p-Xylene
Concen: 0.178 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL032784.D
Acq: 20 Nov 2018 18:45

Tgt Ion: 91 Resp: 67240
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.873 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032784.D

Acq: 20 Nov 2018 18:45

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 95 Resp: 2596721

Ion Ratio Lower Upper

95 100

174 68.2 50.7 76.1

175 5.1 3.8 5.6

Manual Integrations

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