

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032799.D
 Acq On : 21 Nov 2018 4:33
 Operator : SY/AP
 Sample : J5998-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-103DL

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:19:00 AM

Quant Time: Nov 21 06:22:58 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	1308339	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3354232	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3030824	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2390369	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	122401	9.003	ppbv	98
15) Acetone	3.93	43	33668	0.282	ppbv	100
19) Isopropyl Alcohol	4.06	45	20490m	0.257	ppbv	
53) Toluene	9.96	91	246560	0.885	ppbv	96

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

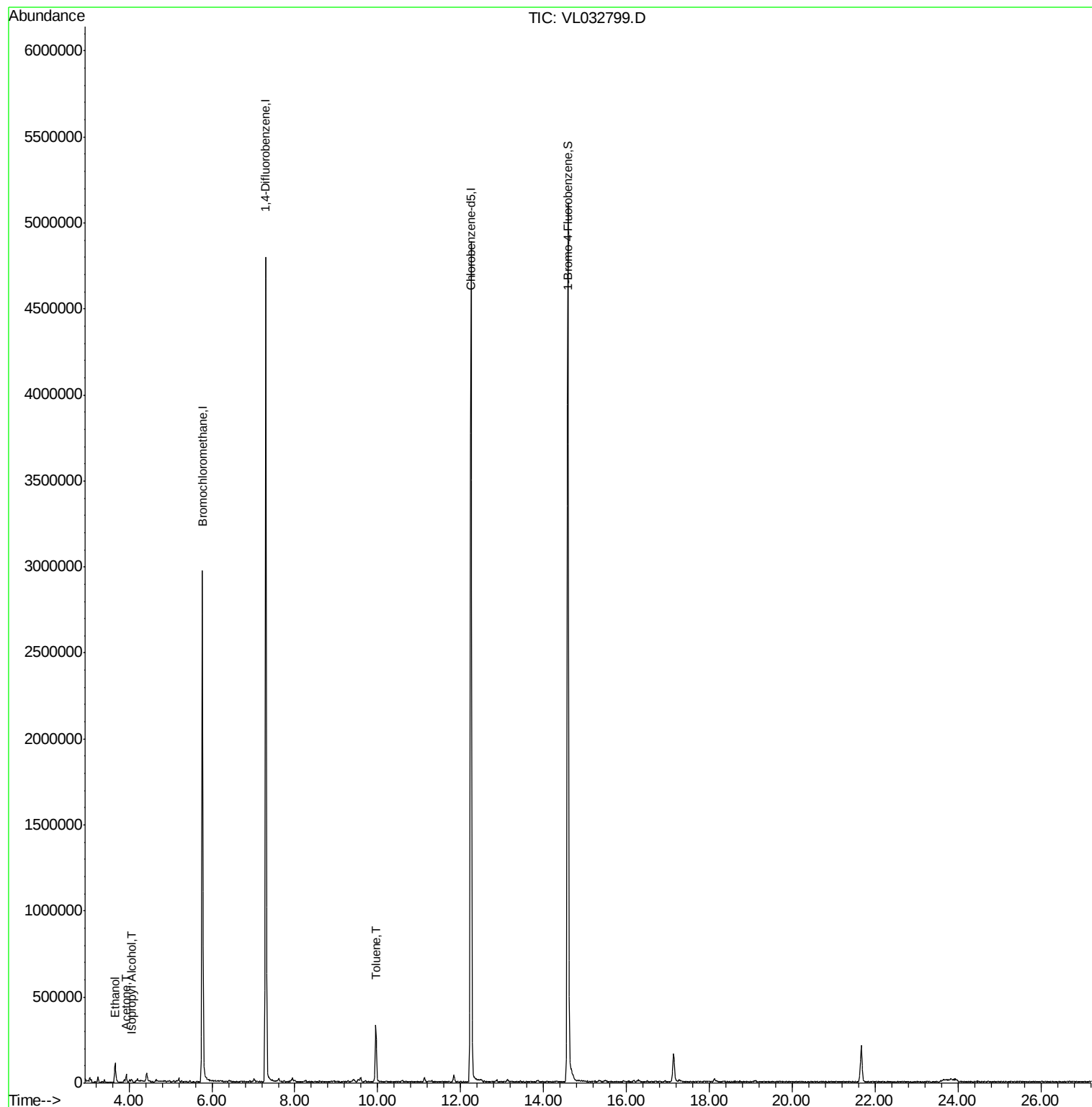
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
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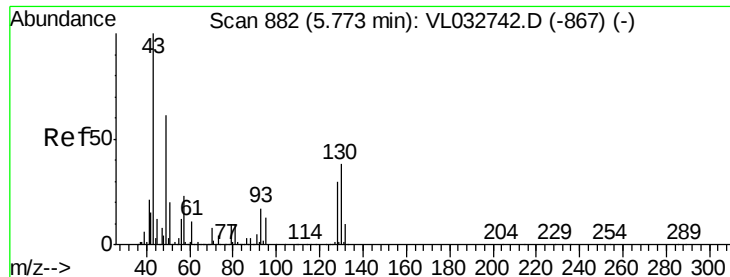
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032799.D

Acq: 21 Nov 2018 4:33

Instrument :

MSVOA_L

ClientSampled :

IA-103DL

Tot Ion: 49 Resp: 1308339

Ion Ratio Lower Upper

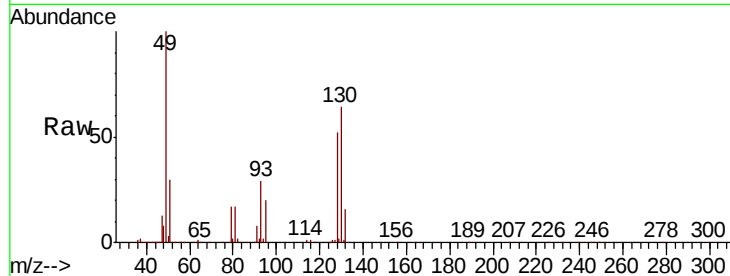
49 100

128 52.4 24.9 74.6

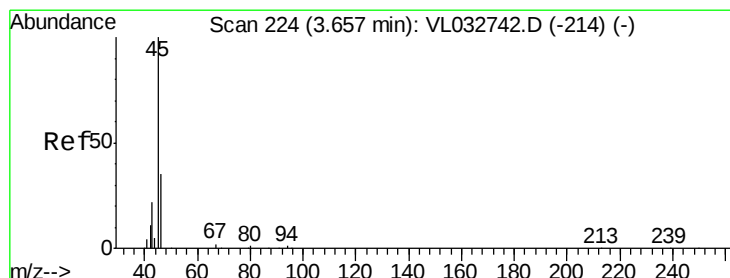
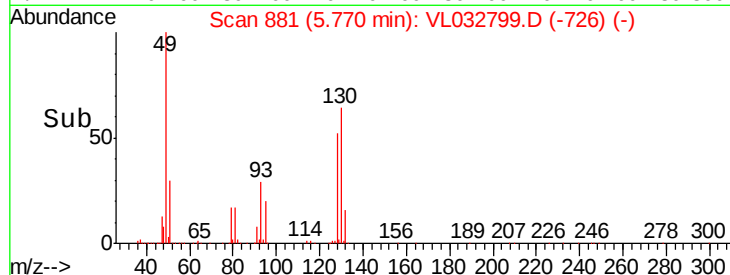
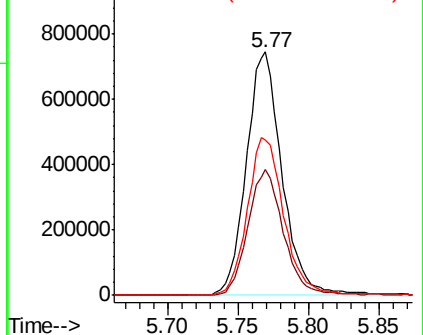
130 67.6 31.4 94.2

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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



#13

Ethanol

Concen: 9.003 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032799.D

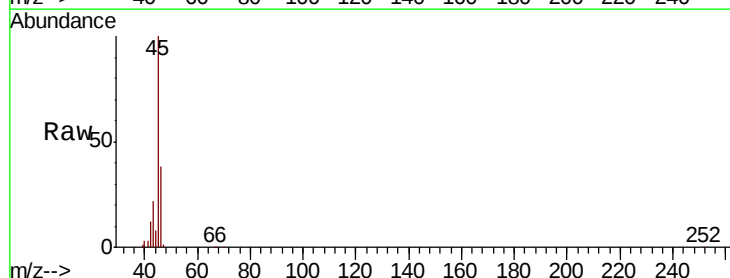
Acq: 21 Nov 2018 4:33

Tgt Ion: 45 Resp: 122401

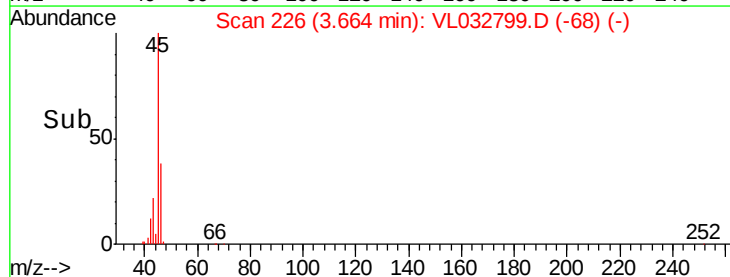
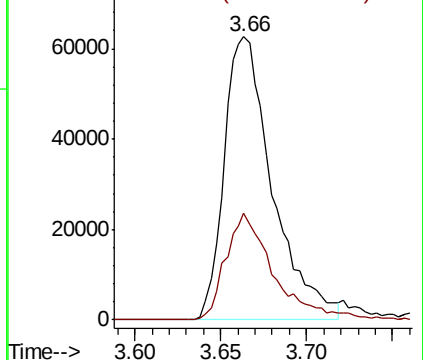
Ion Ratio Lower Upper

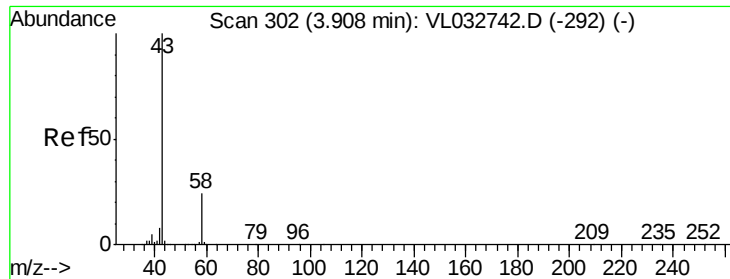
45 100

46 37.6 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





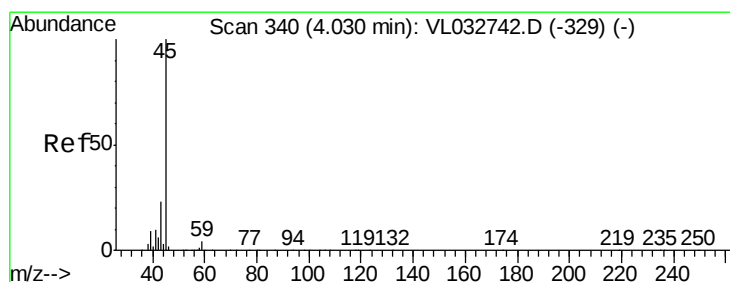
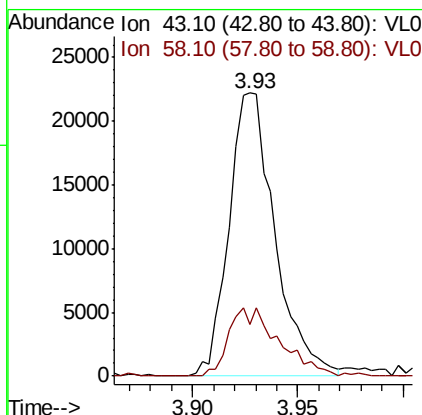
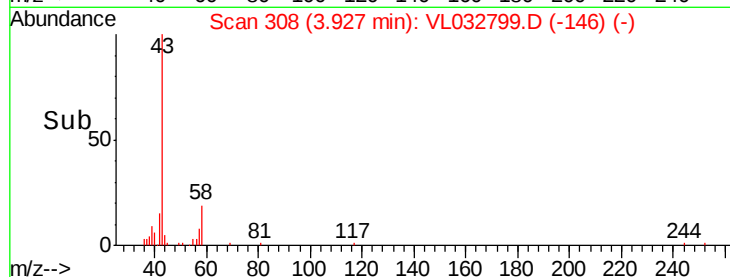
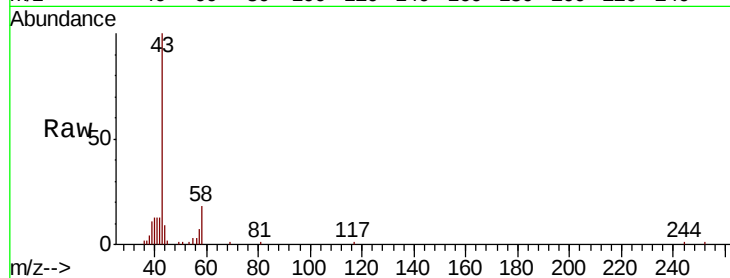
#15
Acetone
Concen: 0.282 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.02 min
Lab File: VL032799.D
Acq: 21 Nov 2018 4:33

Instrument :
MSVOA_L
ClientSampleId :
IA-103DL

Tot Ion	43	Resp	33668
Ion Ratio	43	100	Lower Upper
	58	26.6	21.1 31.7

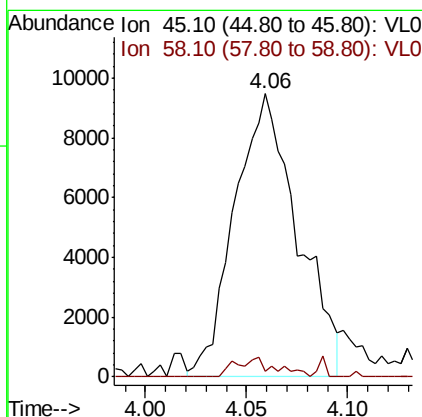
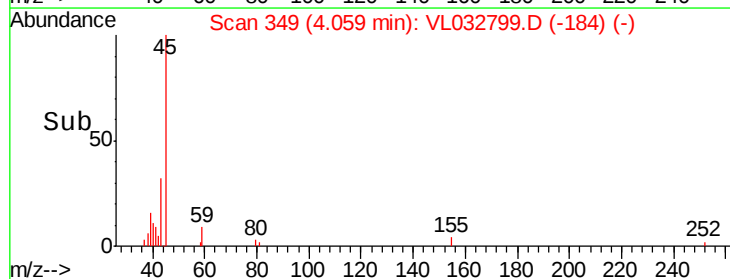
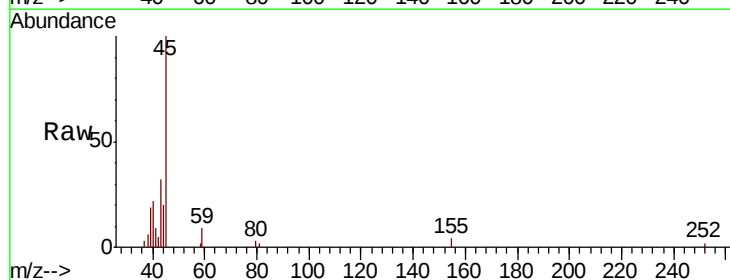
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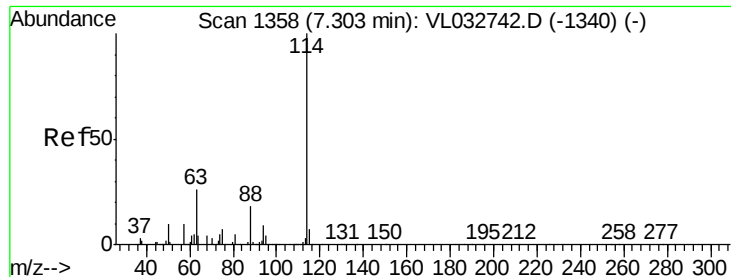
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#19
Isopropyl Alcohol
Concen: 0.257 ppbv m
RT: 4.06 min Scan# 349
Delta R.T. 0.03 min
Lab File: VL032799.D
Acq: 21 Nov 2018 4:33

Tgt Ion	45	Resp	20490
Ion Ratio	45	100	Lower Upper
	58	2.8	1.4 2.0#





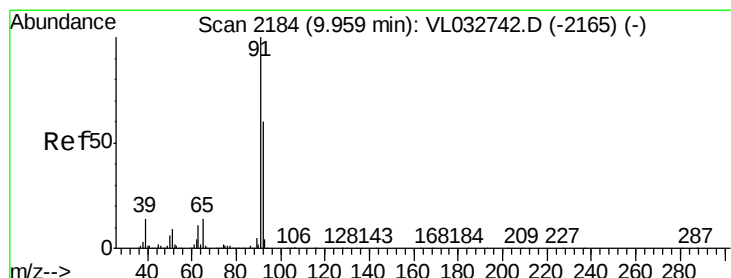
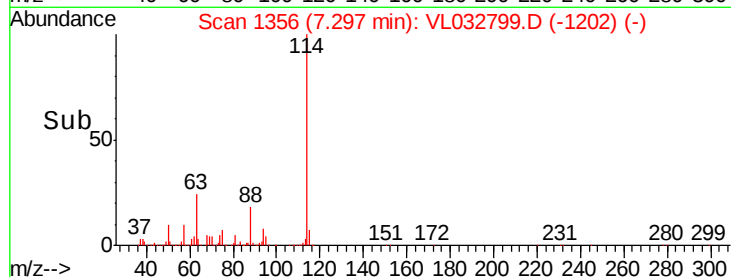
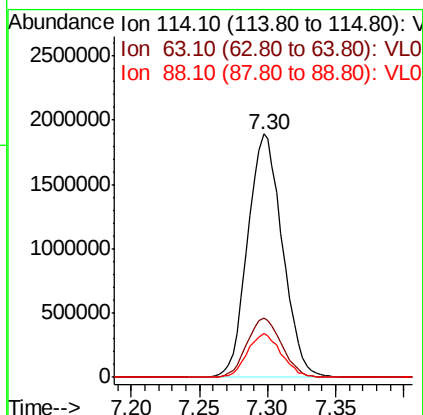
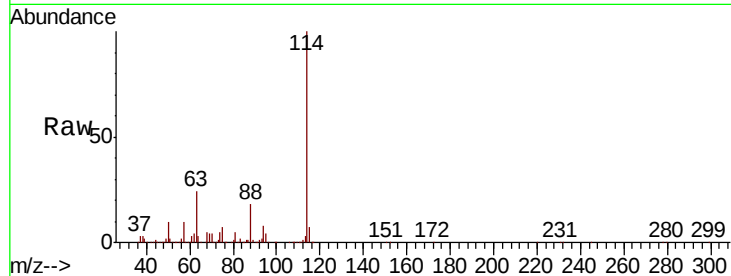
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032799.D
Acq: 21 Nov 2018 4:33

Instrument :
MSVOA_L
ClientSampleID :
IA-103DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.6	14.4	21.6

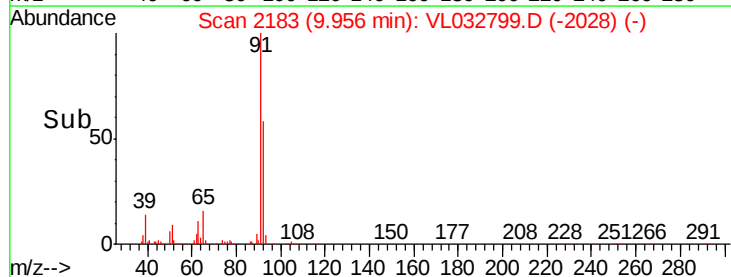
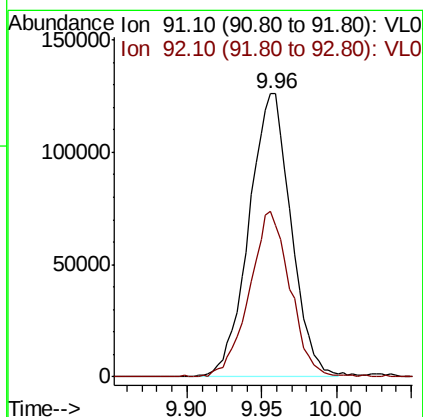
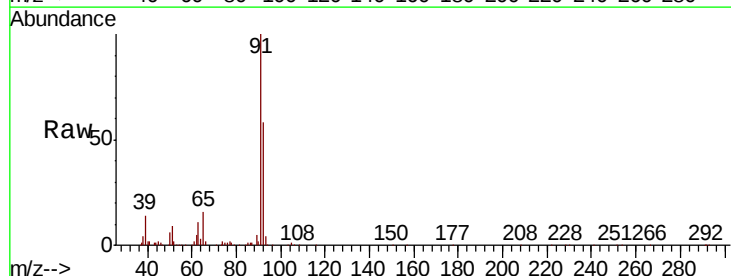
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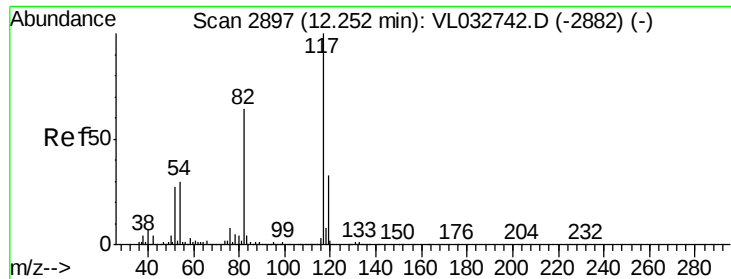
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#53
Toluene
Concen: 0.885 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032799.D
Acq: 21 Nov 2018 4:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	47.9	71.9





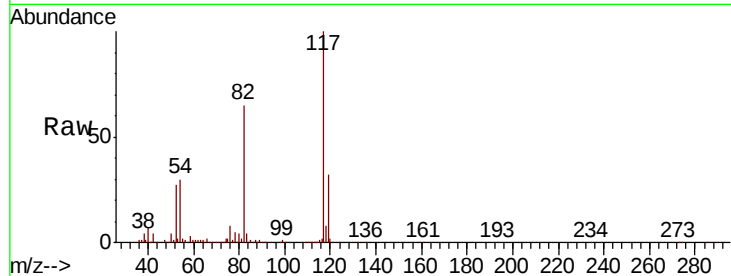
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032799.D
Acq: 21 Nov 2018 4:33

Instrument :
MSVOA_L
ClientSampleId :
IA-103DL

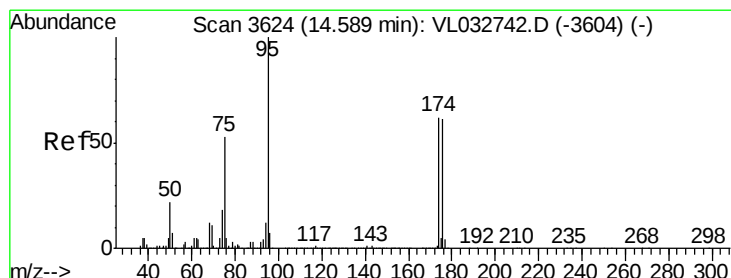
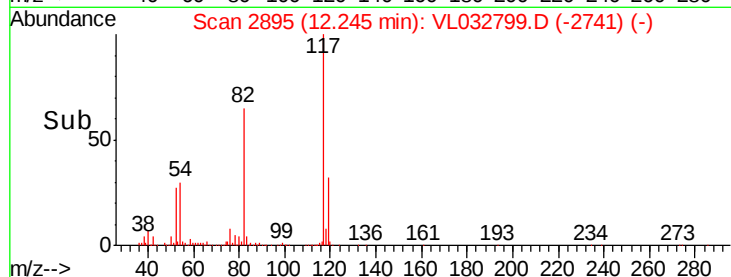
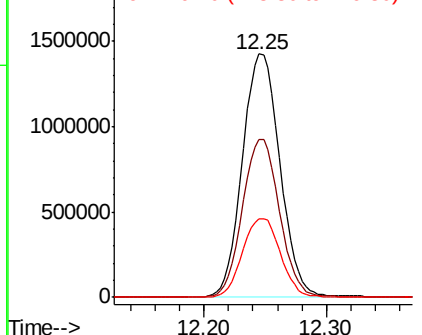
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	51.0	76.6
119	33.1	28.0	42.0

Manual Integrations
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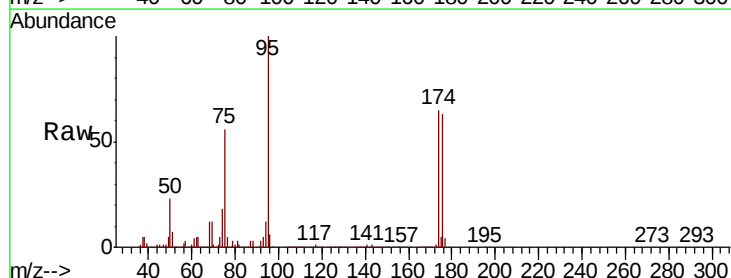


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.545 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032799.D
Acq: 21 Nov 2018 4:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.4	50.7	76.1
175	4.9	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

