

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033461.D
 Acq On : 26 Mar 2019 7:26
 Operator : SY/AP
 Sample : K1991-12DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Manual Integrations
 APPROVED

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 4/1/2019 1:23:17 AM

Quant Time: Mar 27 02:20:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 27 02:20:27 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	695220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1561361	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1565171	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1209555	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.92	43	32384	0.387	ppbv	# 88
53) Toluene	9.94	91	22846m	0.150	ppbv	

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

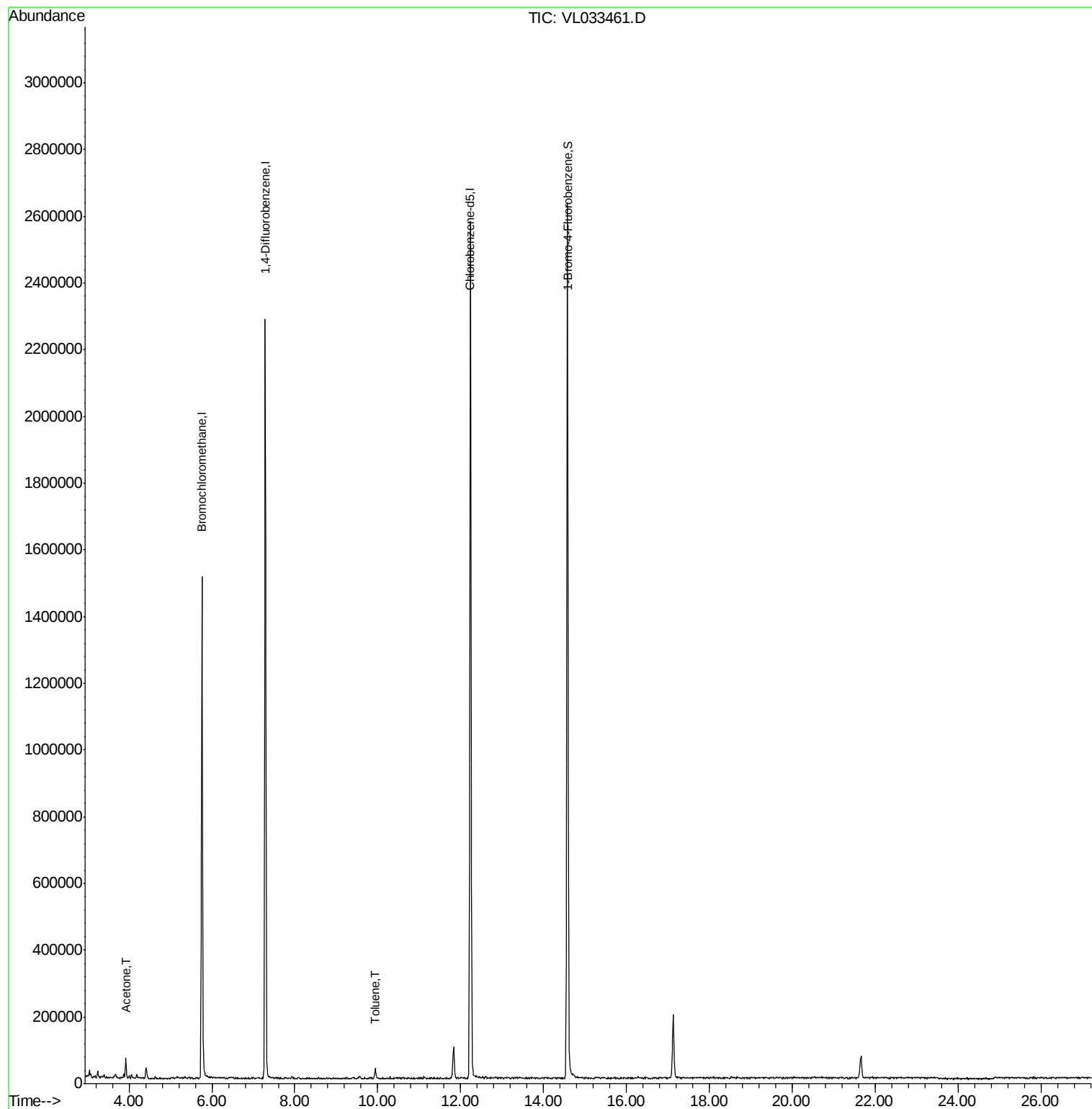
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033461.D

Acq: 26 Mar 2019 7:26

Instrument :

MSVOA_L

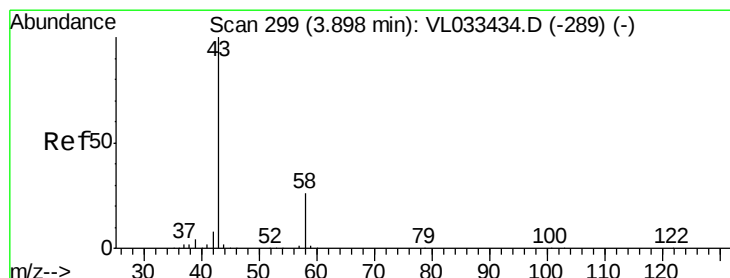
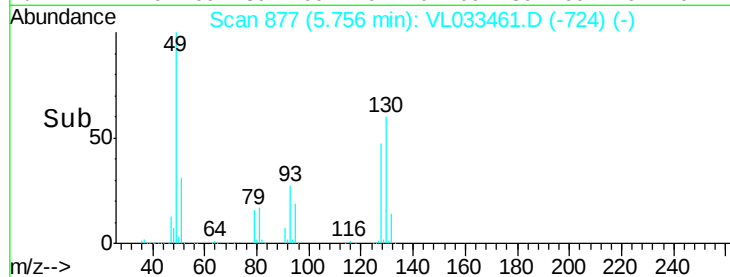
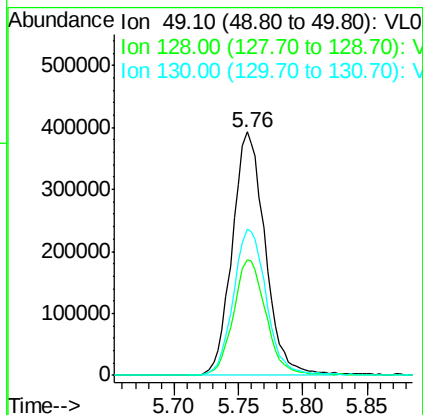
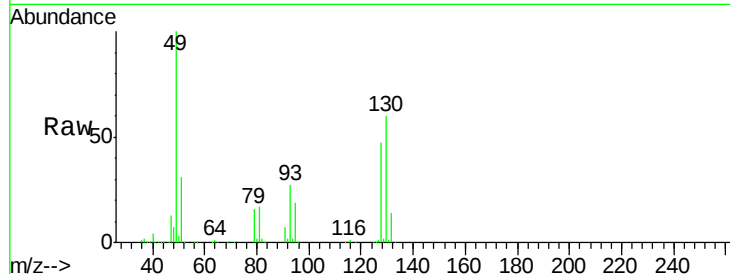
ClientSampleId :

QA-1DL

Tot Ion:	49	Resp:	695220
Ion	Ratio	Lower	Upper
49	100		
128	47.4	24.0	72.0
130	60.5	31.2	93.6

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#15

Acetone

Concen: 0.387 ppbv

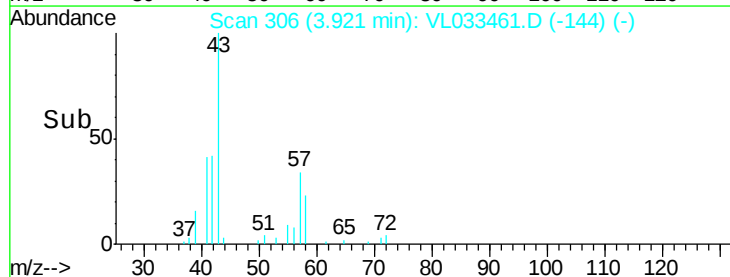
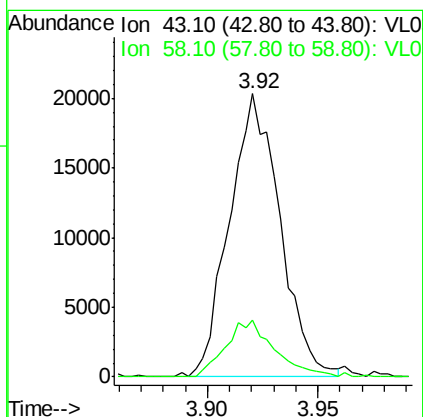
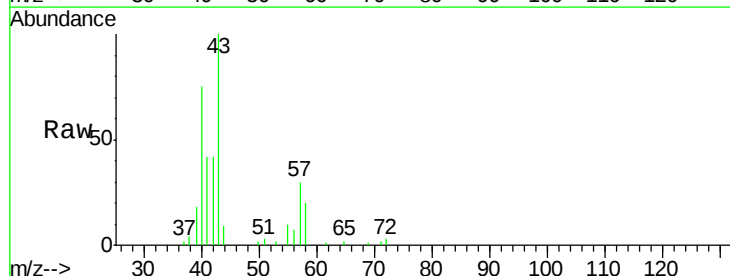
RT: 3.92 min Scan# 306

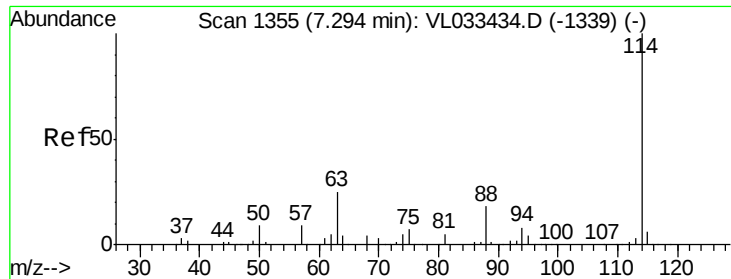
Delta R.T. 0.02 min

Lab File: VL033461.D

Acq: 26 Mar 2019 7:26

Tgt Ion:	43	Resp:	32384
Ion	Ratio	Lower	Upper
43	100		
58	19.5	20.5	30.7#





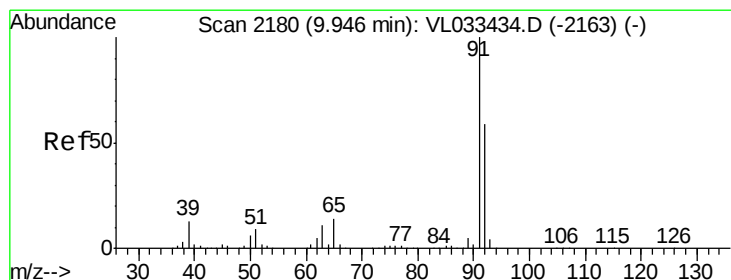
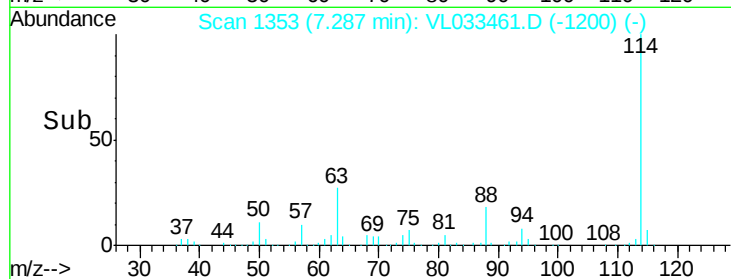
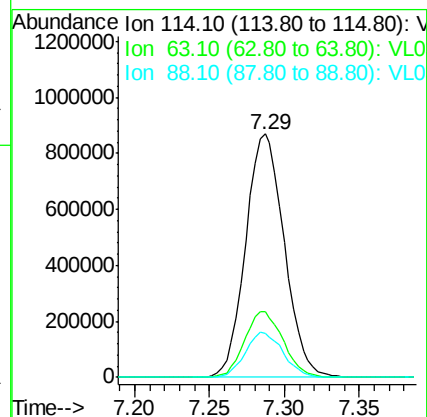
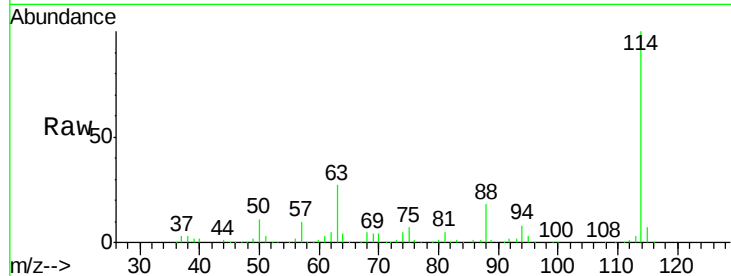
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033461.D
 Acq: 26 Mar 2019 7:26

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.5	32.3
88	18.3	14.5	21.7

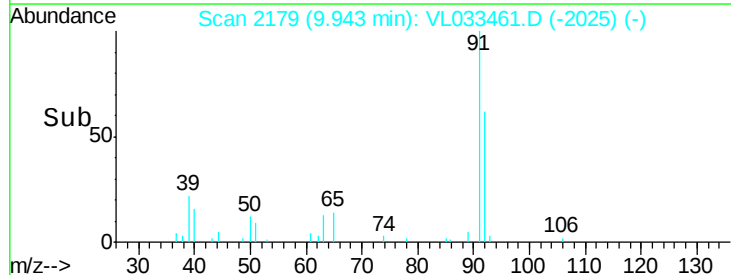
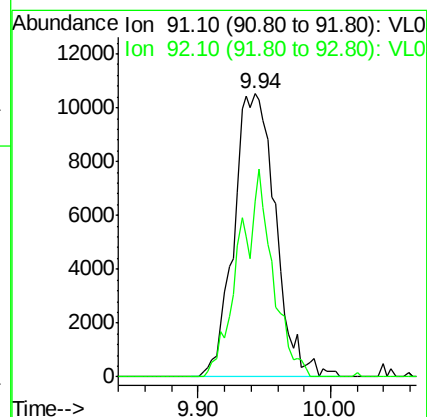
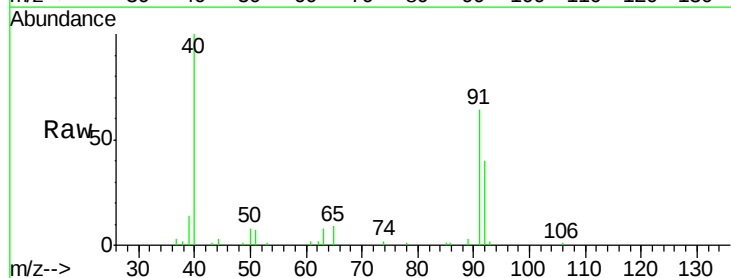
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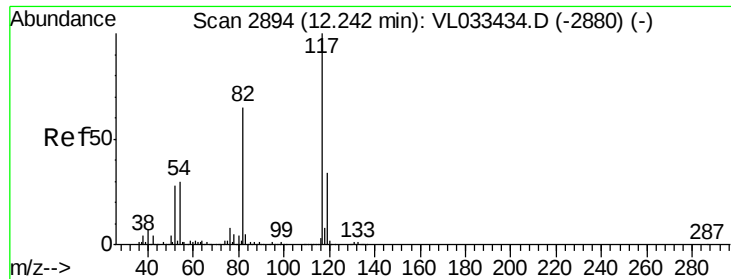
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#53
 Toluene
 Concen: 0.150 ppbv m
 RT: 9.94 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL033461.D
 Acq: 26 Mar 2019 7:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#





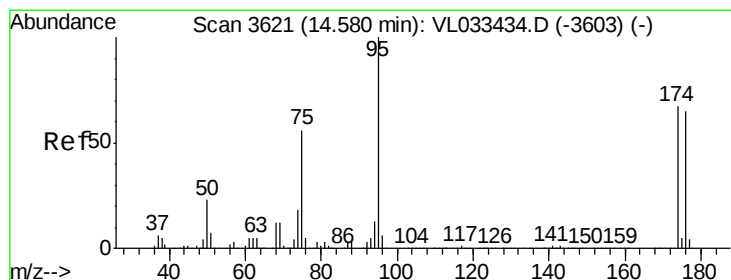
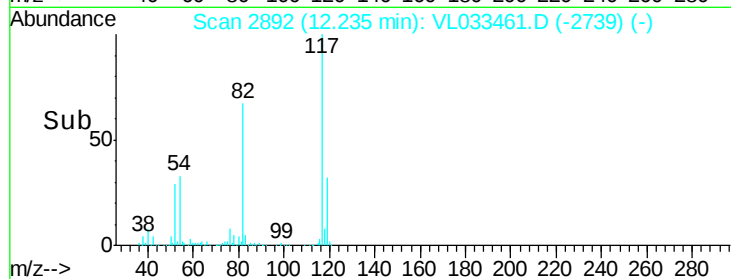
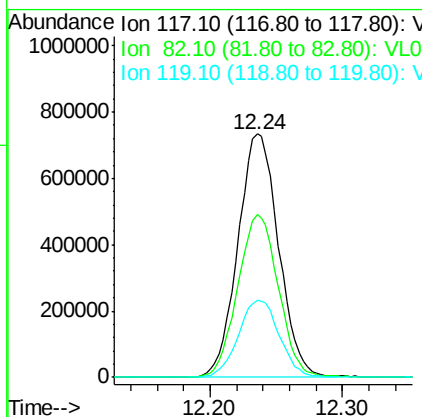
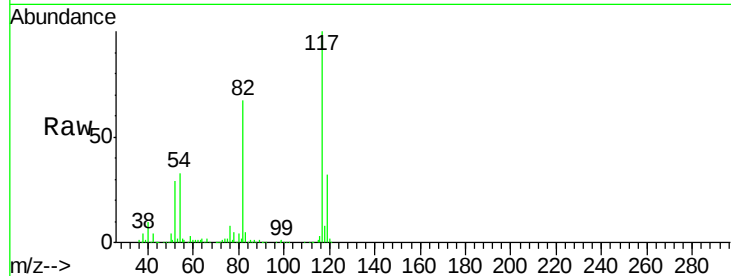
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033461.D
Acq: 26 Mar 2019 7:26

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	51.5	77.3
119	32.0	25.5	38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.857 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033461.D
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Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.9	79.3
175	4.7	3.8	5.6

