

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033374.D
 Acq On : 19 Mar 2019 1:17
 Operator : SY/AP
 Sample : K1952-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 L1HA-IA2DL

Manual Integrations
 APPROVED

MMDadoda
 3/21/2019 12:15:21 PM

Quant Time: Mar 19 08:20:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 19 08:20:01 2019
 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	772669	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1723087	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1670395	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1273407	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	3863667	204.718	ppbv	98
15) Acetone	3.91	43	163322	1.360	ppbv	91
17) tert-Butyl alcohol	4.37	59	14663m	0.867	ppbv	
53) Toluene	9.95	91	60152	0.343	ppbv	96

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

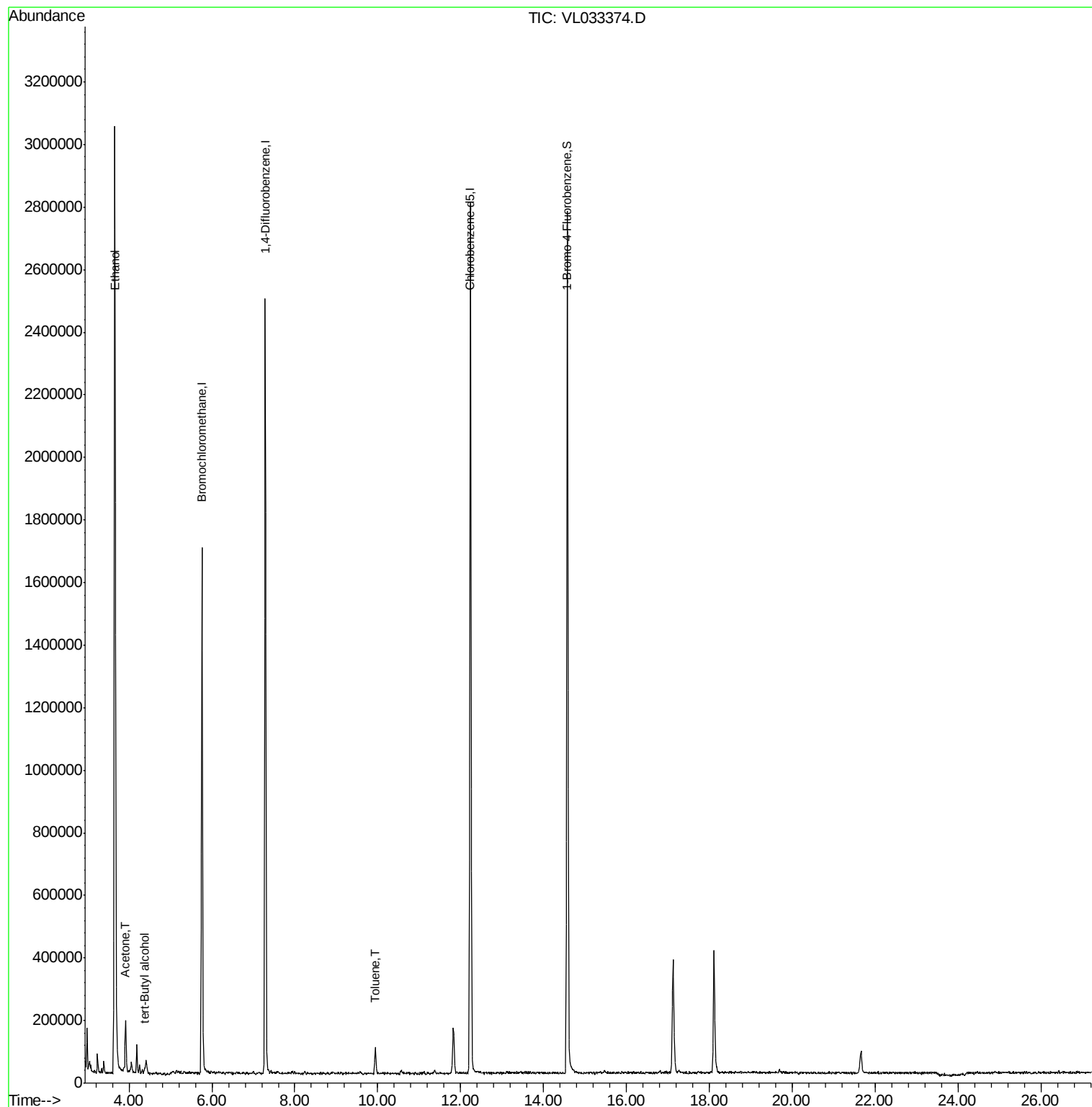
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033374.D
Acq On : 19 Mar 2019 1:17
Operator : SY/AP
Sample : K1952-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

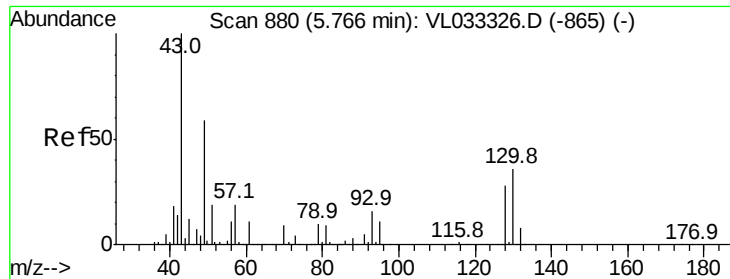
Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA2DL

Manual Integrations
APPROVED

MMDadoda
3/21/2019 12:15:21 PM

Quant Time: Mar 19 08:20:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
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: VL033374.D

Acq: 19 Mar 2019 1:17

Instrument :

MSVOA_L

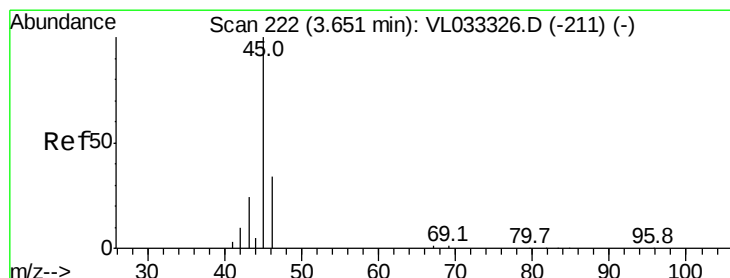
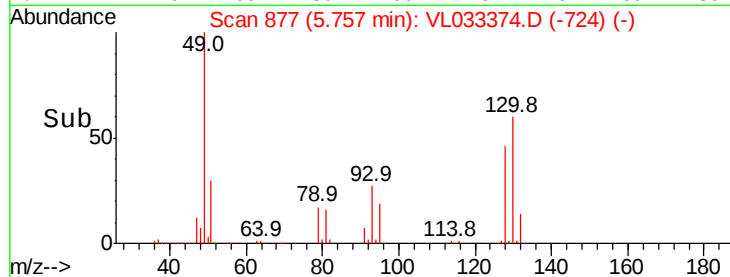
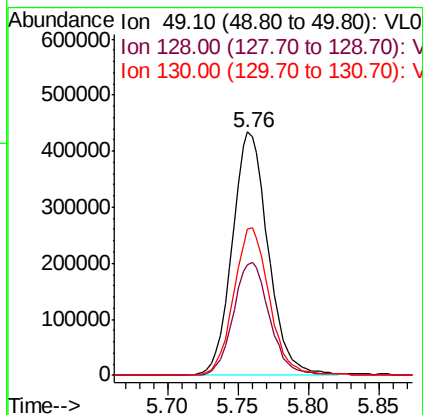
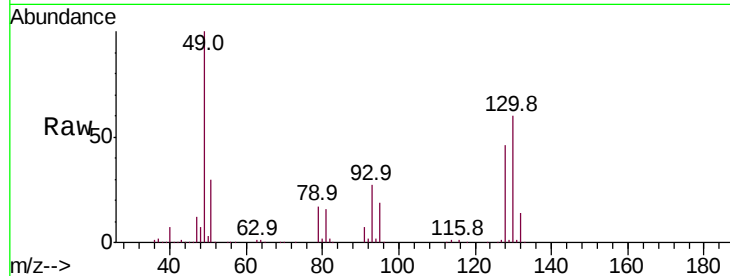
ClientSampled :

L1HA-IA2DL

Tot Ion:	49	Resp:	772669
Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.5	70.6
130	60.7	30.1	90.3

Manual Integrations
APPROVED

MMDadoda
3/21/2019 12:15:21 PM



#13

Ethanol

Concen: 204.718 ppbv

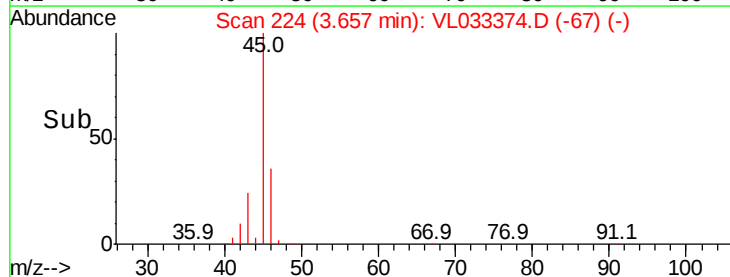
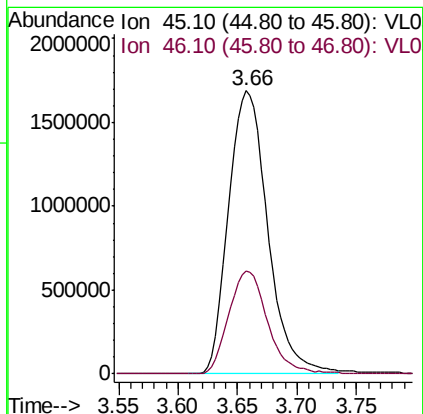
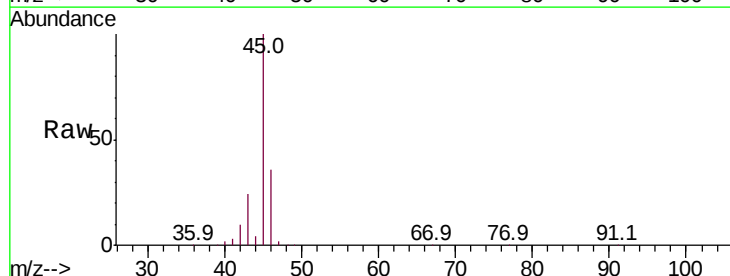
RT: 3.66 min Scan# 224

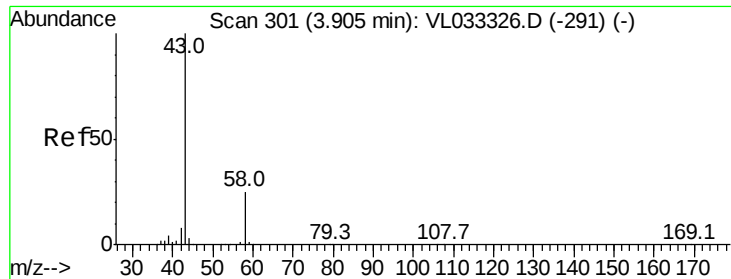
Delta R.T. 0.01 min

Lab File: VL033374.D

Acq: 19 Mar 2019 1:17

Tgt Ion:	45	Resp:	3863667
Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.9	59.7





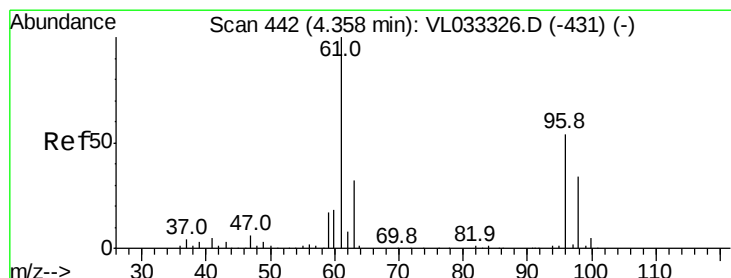
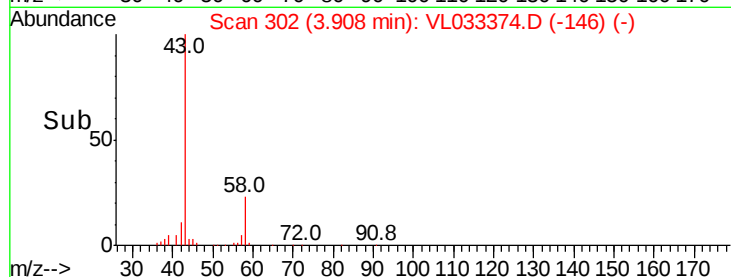
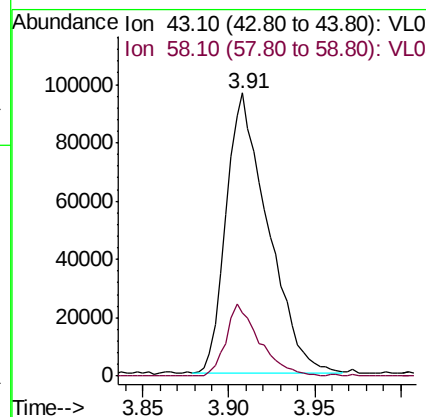
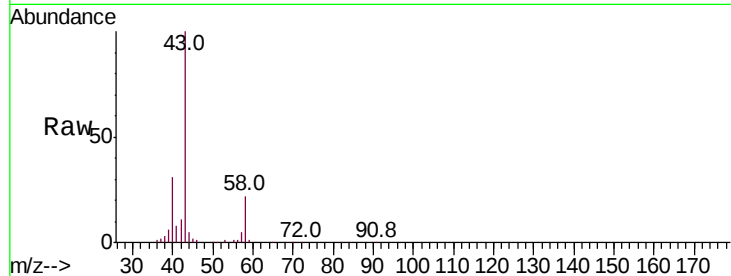
#15
Acetone
Concen: 1.360 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033374.D
Acq: 19 Mar 2019 1:17

Instrument :
MSVOA_L
ClientSampled :
L1HA-IA2DL

Tot Ion: 43 Resp: 163322
Ion Ratio Lower Upper
43 100
58 21.0 20.4 30.6

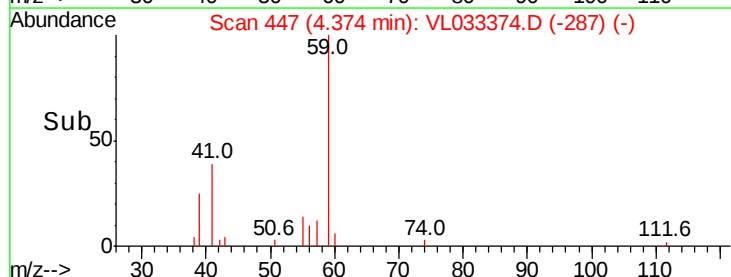
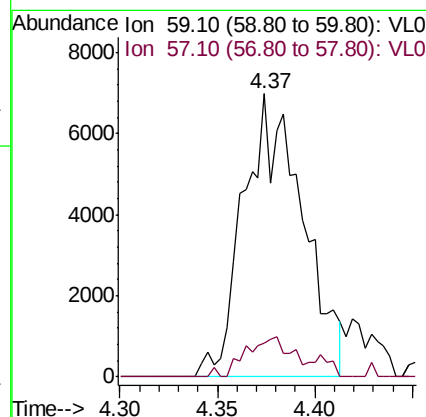
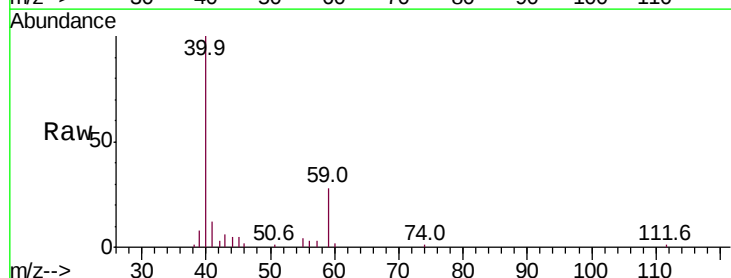
Manual Integrations
APPROVED

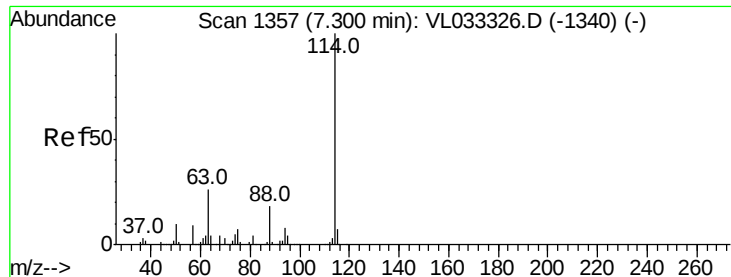
MMDadoda
3/21/2019 12:15:21 PM



#17
tert-Butyl alcohol
Concen: 0.867 ppbv m
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033374.D
Acq: 19 Mar 2019 1:17

Tgt Ion: 59 Resp: 14663
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





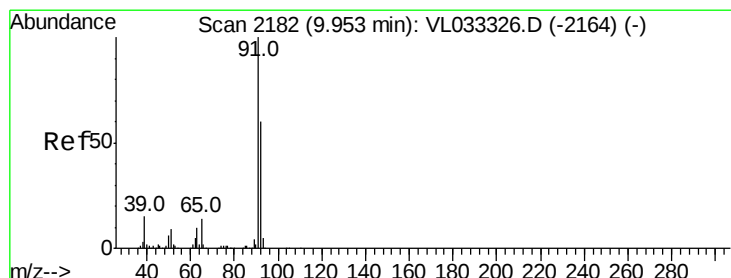
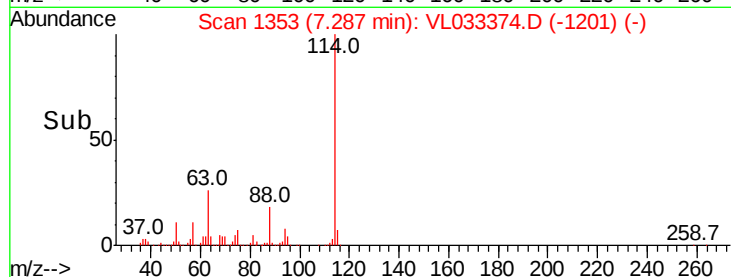
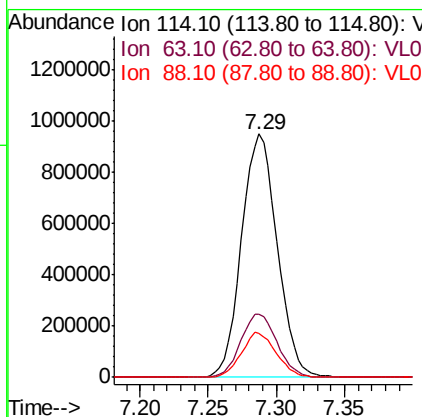
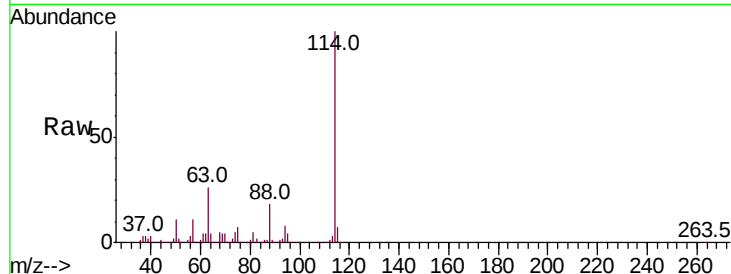
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033374.D
 Acq: 19 Mar 2019 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 L1HA-IA2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.4	32.2
88	18.1	14.5	21.7

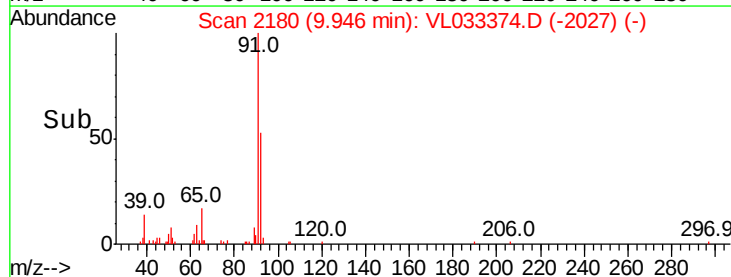
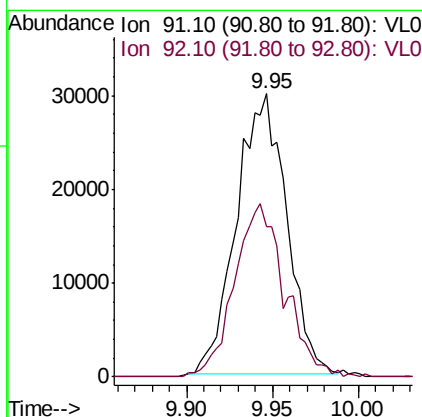
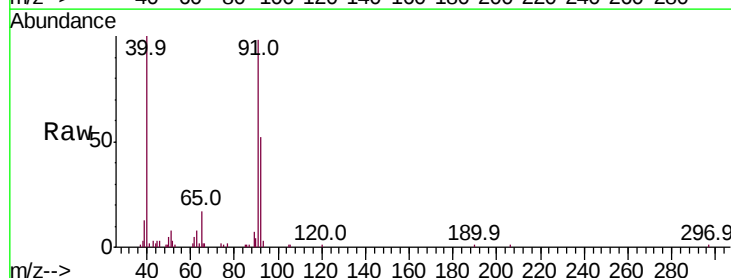
Manual Integrations
 APPROVED

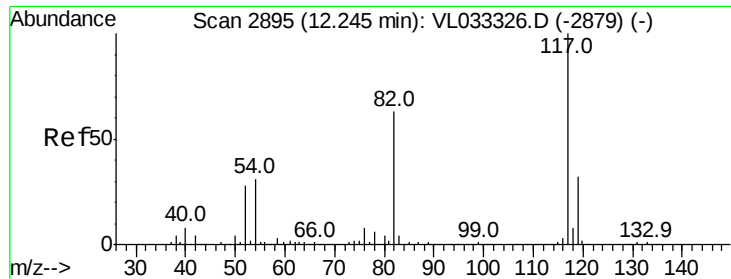
MMDadoda
 3/21/2019 12:15:21 PM



#53
 Toluene
 Concen: 0.343 ppbv
 RT: 9.95 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: VL033374.D
 Acq: 19 Mar 2019 1:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.3	47.4	71.0





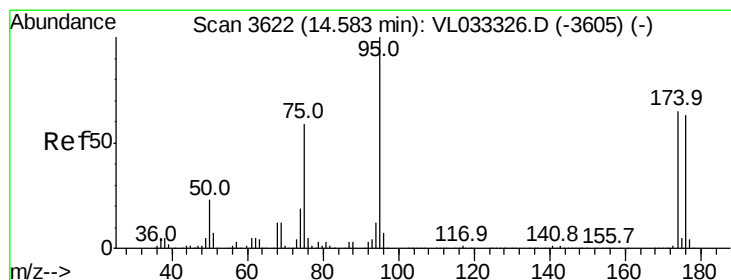
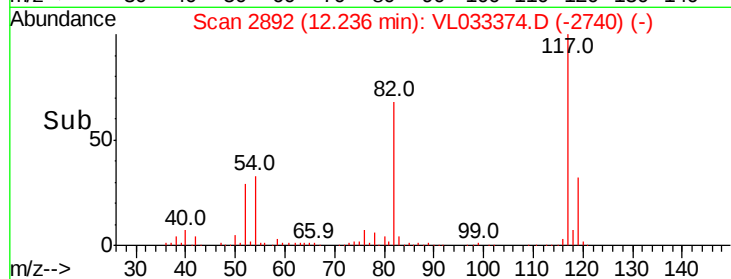
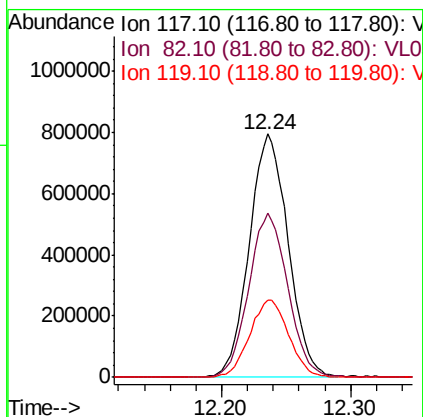
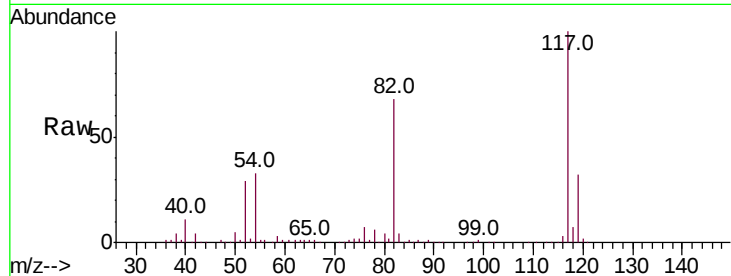
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033374.D
Acq: 19 Mar 2019 1:17

Instrument :
MSVOA_L
ClientSampled :
L1HA-IA2DL

Tot Ion:117 Resp: 1670395
Ion Ratio Lower Upper
117 100
82 67.9 53.4 80.2
119 32.1 27.3 40.9

Manual Integrations
APPROVED

MMDadoda
3/21/2019 12:15:21 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.288 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033374.D
Acq: 19 Mar 2019 1:17

Tgt Ion: 95 Resp: 1273407
Ion Ratio Lower Upper
95 100
174 65.2 51.5 77.3
175 4.7 3.8 5.6

