

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032172.D
 Acq On : 30 Jun 2018 15:48
 Operator : SY/AP
 Sample : J3601-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-CRAWL-SPACEDL

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:26:11 PM

Quant Time: Jul 02 04:24:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1384341	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3324068	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3519634	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2479015	9.21	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.73	45	11593m	0.49	ppbv	
15) Acetone	3.98	43	135222	0.84	ppbv	90
26) Hexane	5.86	57	16278m	0.11	ppbv	
53) Toluene	10.05	91	87166	0.22	ppbv	98

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

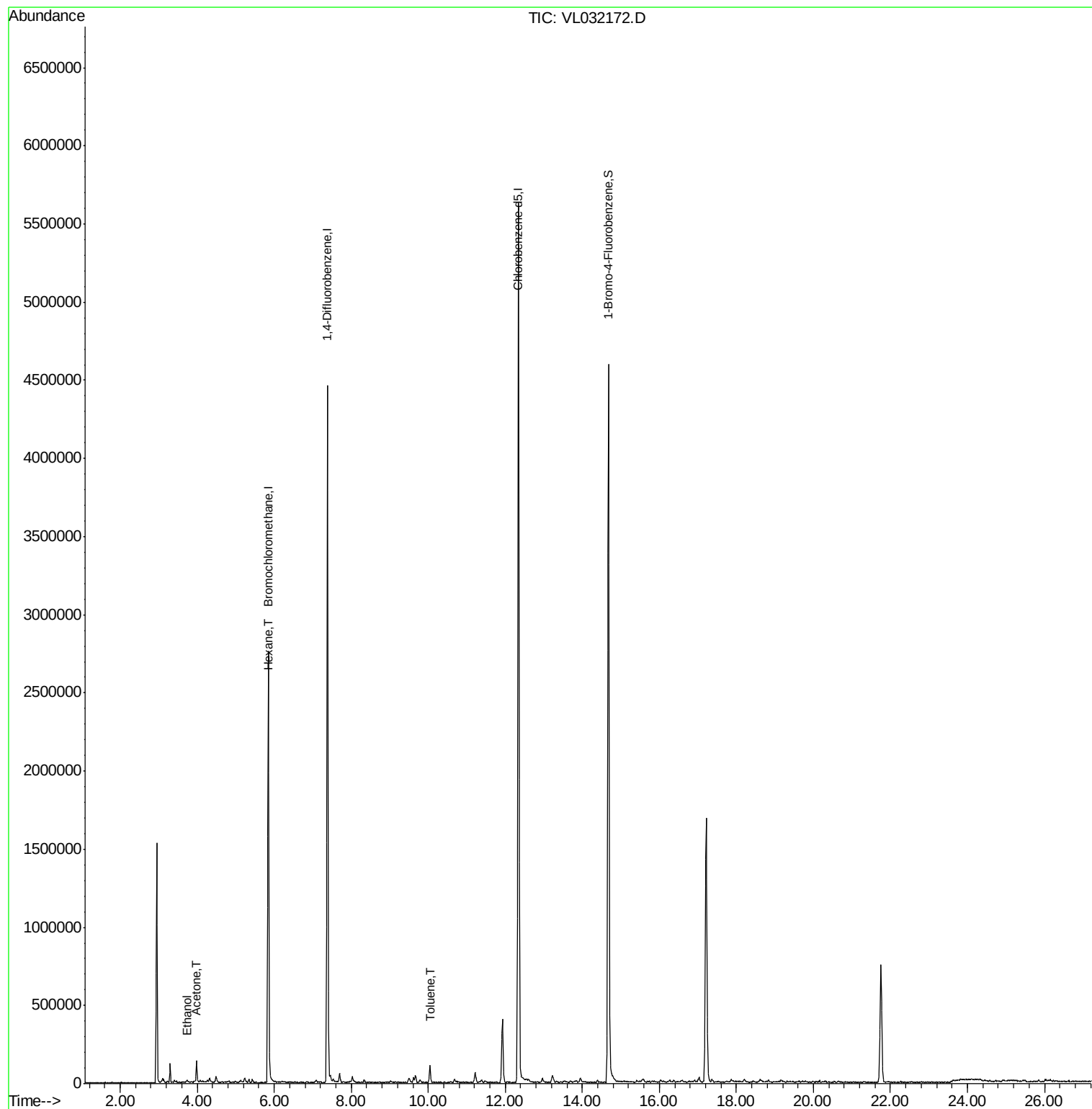
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062918\
Data File : VL032172.D
Acq On : 30 Jun 2018 15:48
Operator : SY/AP
Sample : J3601-08DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

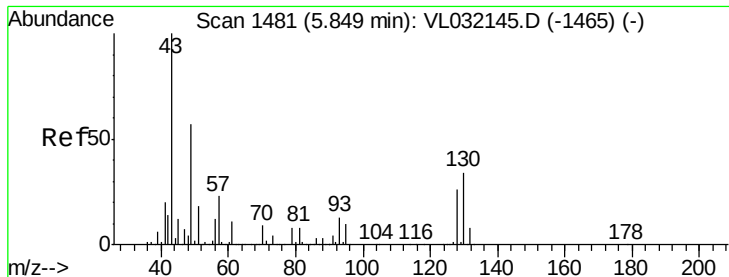
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-CRAWL-SPACDL

Manual Integrations
APPROVED

MMDadoda
7/2/2018 4:26:11 PM

Quant Time: Jul 02 04:24:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032172.D

Acq: 30 Jun 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-CRAWL-SPACEDL

Tot Ion: 49 Resp: 1384341

Ion Ratio Lower Upper

49 100

128 45.2 23.4 70.0

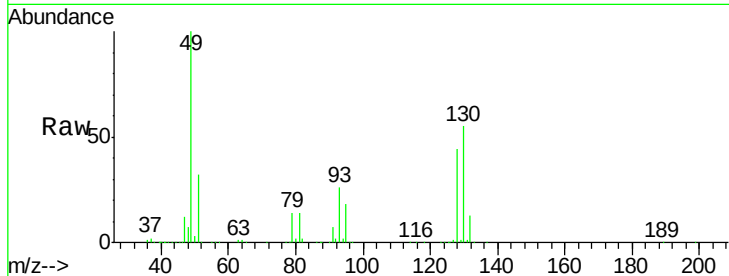
130 57.6 30.3 90.9

Manual Integrations

APPROVED

MMDadoda

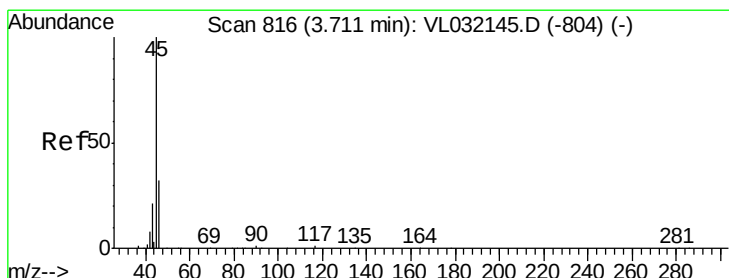
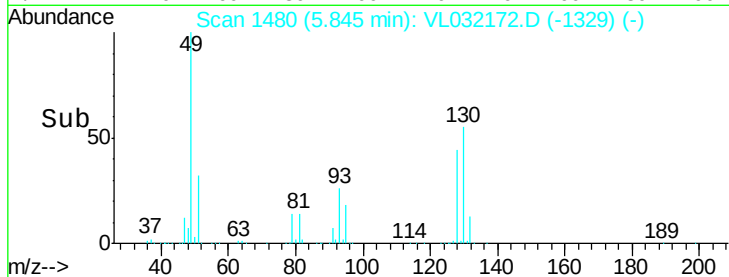
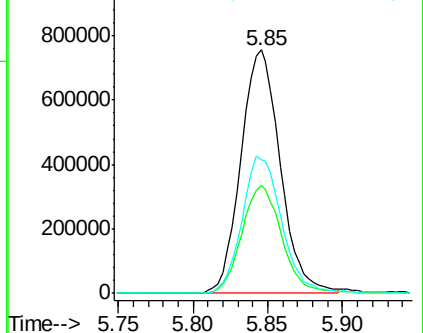
7/2/2018 4:26:11 PM



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: 0.49 ppbv m

RT: 3.73 min Scan# 822

Delta R.T. 0.01 min

Lab File: VL032172.D

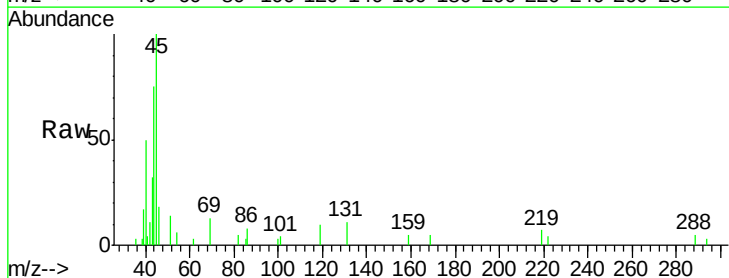
Acq: 30 Jun 2018 15:48

Tgt Ion: 45 Resp: 11593

Ion Ratio Lower Upper

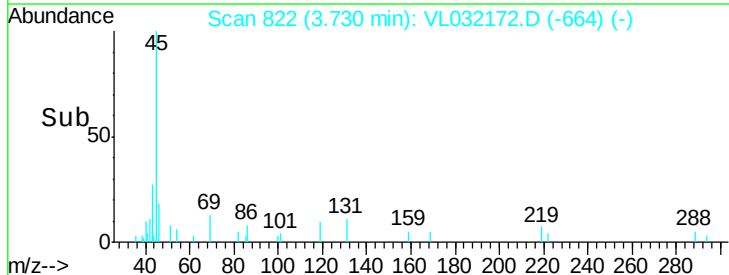
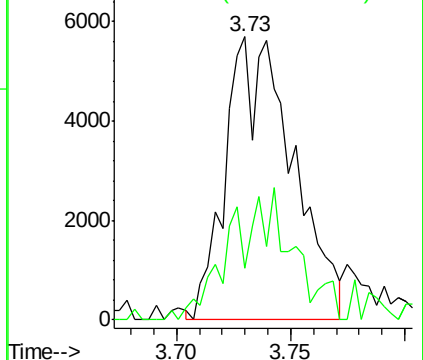
45 100

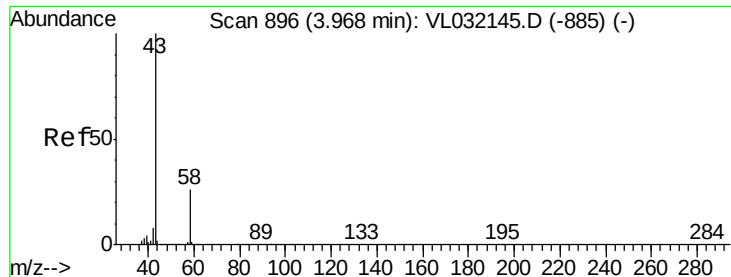
46 0.0 14.6 58.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.84 ppbv

RT: 3.98 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL032172.D

Acq: 30 Jun 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-C-CRAWL-SPACEDL

Tot Ion: 43 Resp: 135222

Ion Ratio Lower Upper

43 100

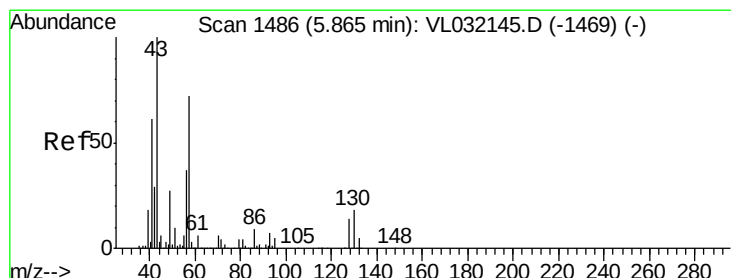
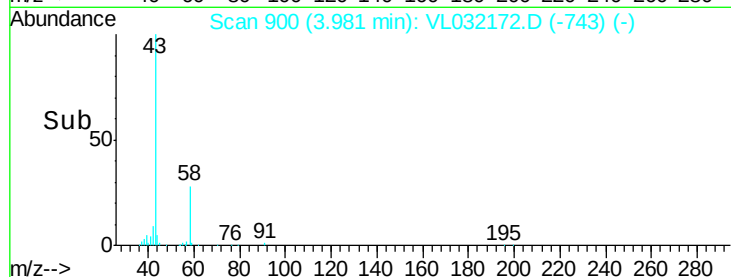
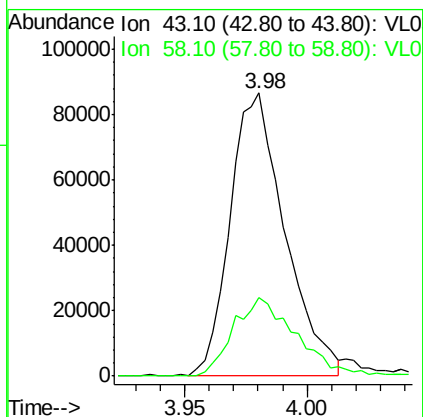
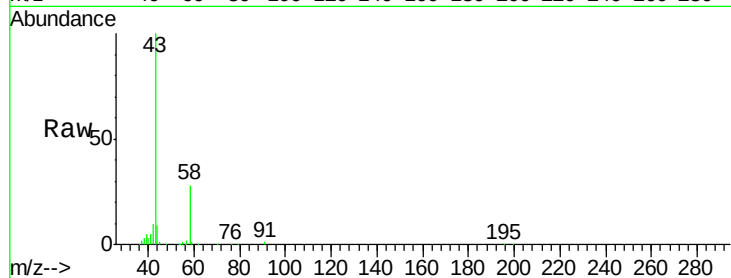
58 32.0 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

7/2/2018 4:26:11 PM



#26

Hexane

Concen: 0.11 ppbv m

RT: 5.86 min Scan# 1485

Delta R.T. -0.02 min

Lab File: VL032172.D

Acq: 30 Jun 2018 15:48

Tgt Ion: 57 Resp: 16278

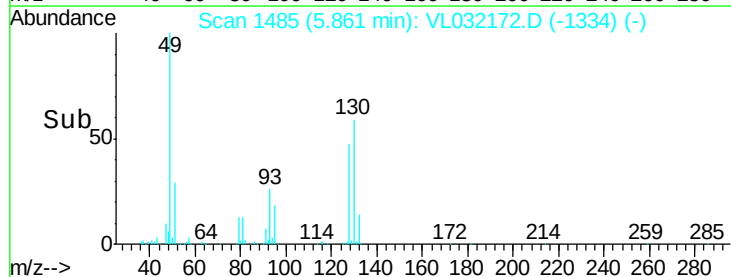
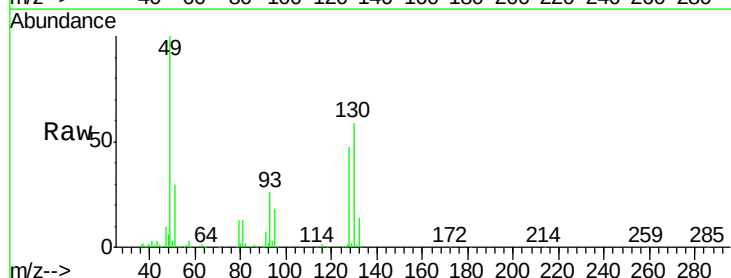
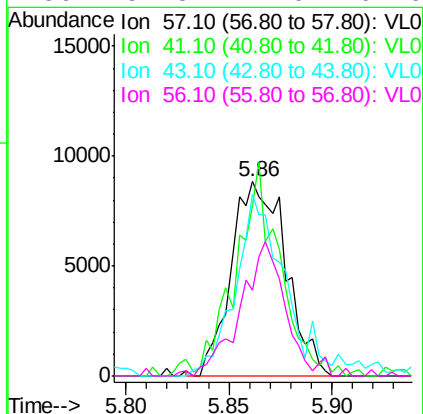
Ion Ratio Lower Upper

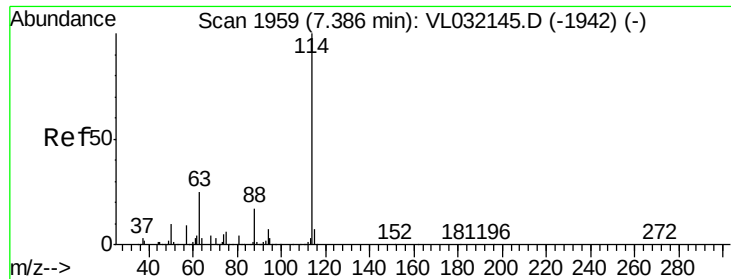
57 100

41 91.1 68.6 103.0

43 91.7 168.6 252.8#

56 57.8 41.0 61.6





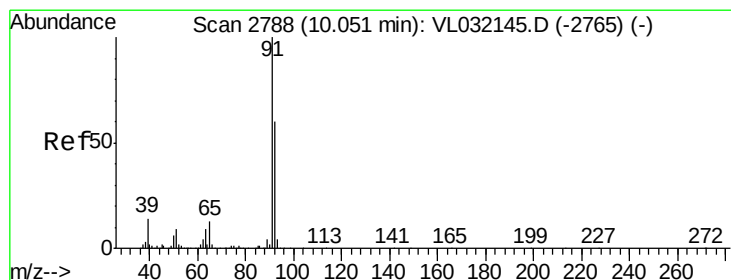
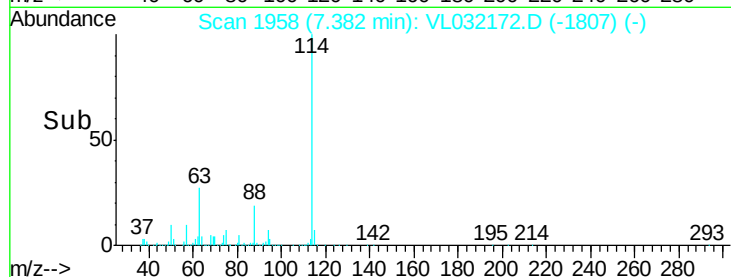
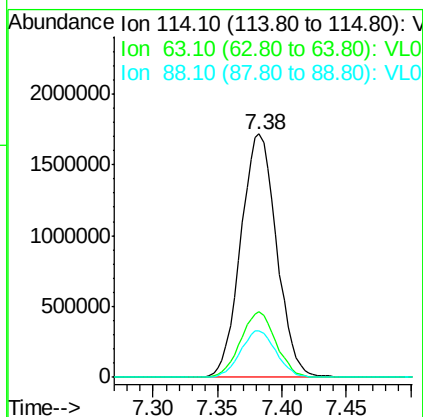
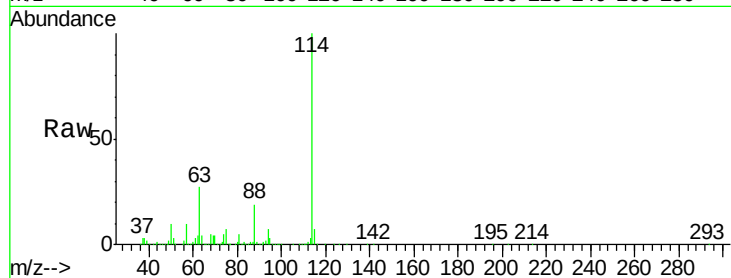
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032172.D
 Acq: 30 Jun 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-C-CRAWL-SPACEDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	19.1	28.7
88	19.0	13.9	20.9

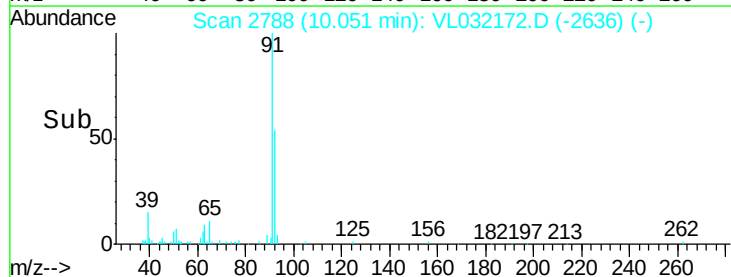
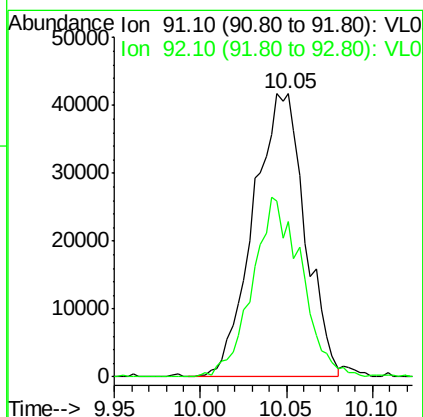
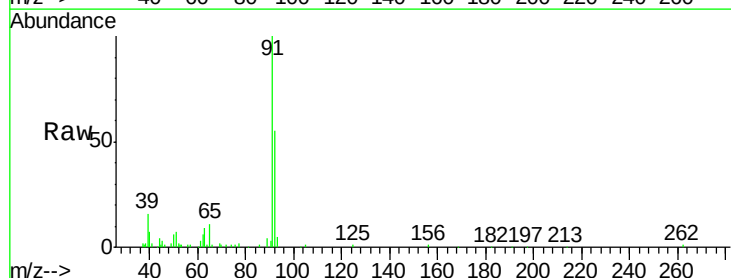
Manual Integrations
 APPROVED

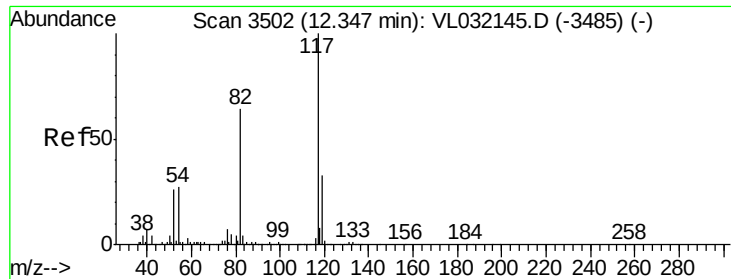
MMDadoda
 7/2/2018 4:26:11 PM



#53
 Toluene
 Concen: 0.22 ppbv
 RT: 10.05 min Scan# 2788
 Delta R.T. -0.01 min
 Lab File: VL032172.D
 Acq: 30 Jun 2018 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.2	73.8





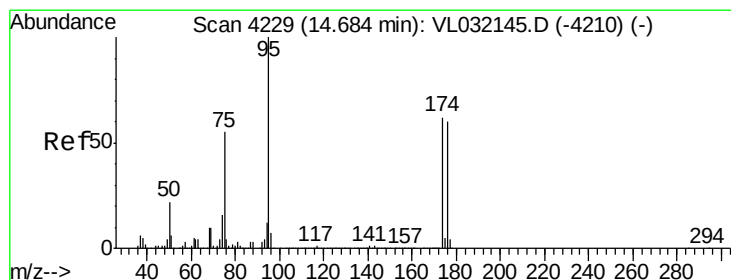
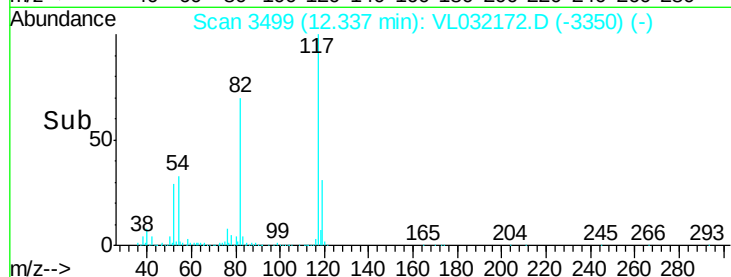
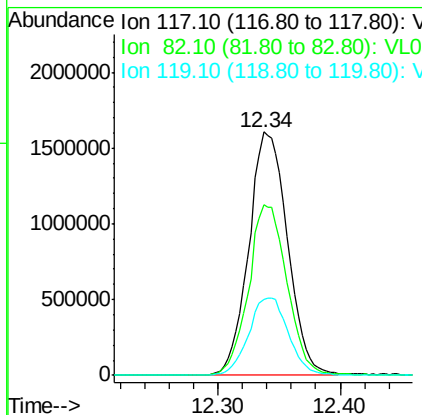
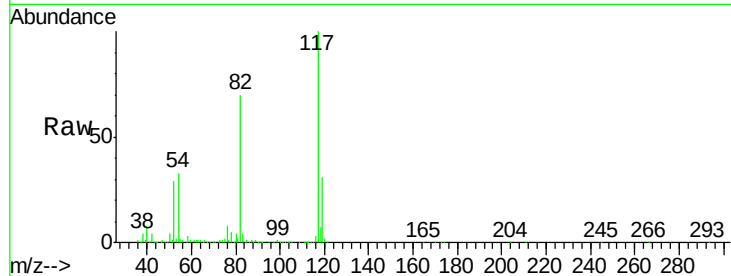
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.02 min
Lab File: VL032172.D
Acq: 30 Jun 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-C-CRAWL-SPACEDL

Tot Ion:117 Resp: 3519634
Ion Ratio Lower Upper
117 100
82 70.3 47.8 71.8
119 32.9 43.3 64.9#

Manual Integrations
APPROVED

MMDadoda
7/2/2018 4:26:11 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.21 ppbv
RT: 14.68 min Scan# 4227
Delta R.T. -0.02 min
Lab File: VL032172.D
Acq: 30 Jun 2018 15:48

Tgt Ion: 95 Resp: 2479015
Ion Ratio Lower Upper
95 100
174 57.3 52.1 78.1
175 4.1 4.0 6.0

