

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032938.D
 Acq On : 7 Dec 2018 17:12
 Operator : SY/AP
 Sample : J6262-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:02 AM

Quant Time: Dec 10 20:44:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1385706	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3471509	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3266286	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2481296	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	164658	1.569	ppbv	97
9) Propene	3.04	41	27750m	0.669	ppbv	
13) Ethanol	3.65	45	948961	66.419	ppbv	97
15) Acetone	3.91	43	709517	5.965	ppbv	93
19) Isopropyl Alcohol	4.03	45	1598996	21.407	ppbv #	99
25) Ethyl Acetate	5.77	43	964925	3.434	ppbv #	90
29) Chloroform	5.85	83	25665m	0.111	ppbv	
34) 2-Butanone	5.34	43	24126	0.160	ppbv	95
36) Benzene	7.01	78	45864	0.180	ppbv #	92
38) Trichloroethene	7.96	130	13088m	0.123	ppbv	
52) Tetrachloroethene	11.38	164	48295m	0.520	ppbv	

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

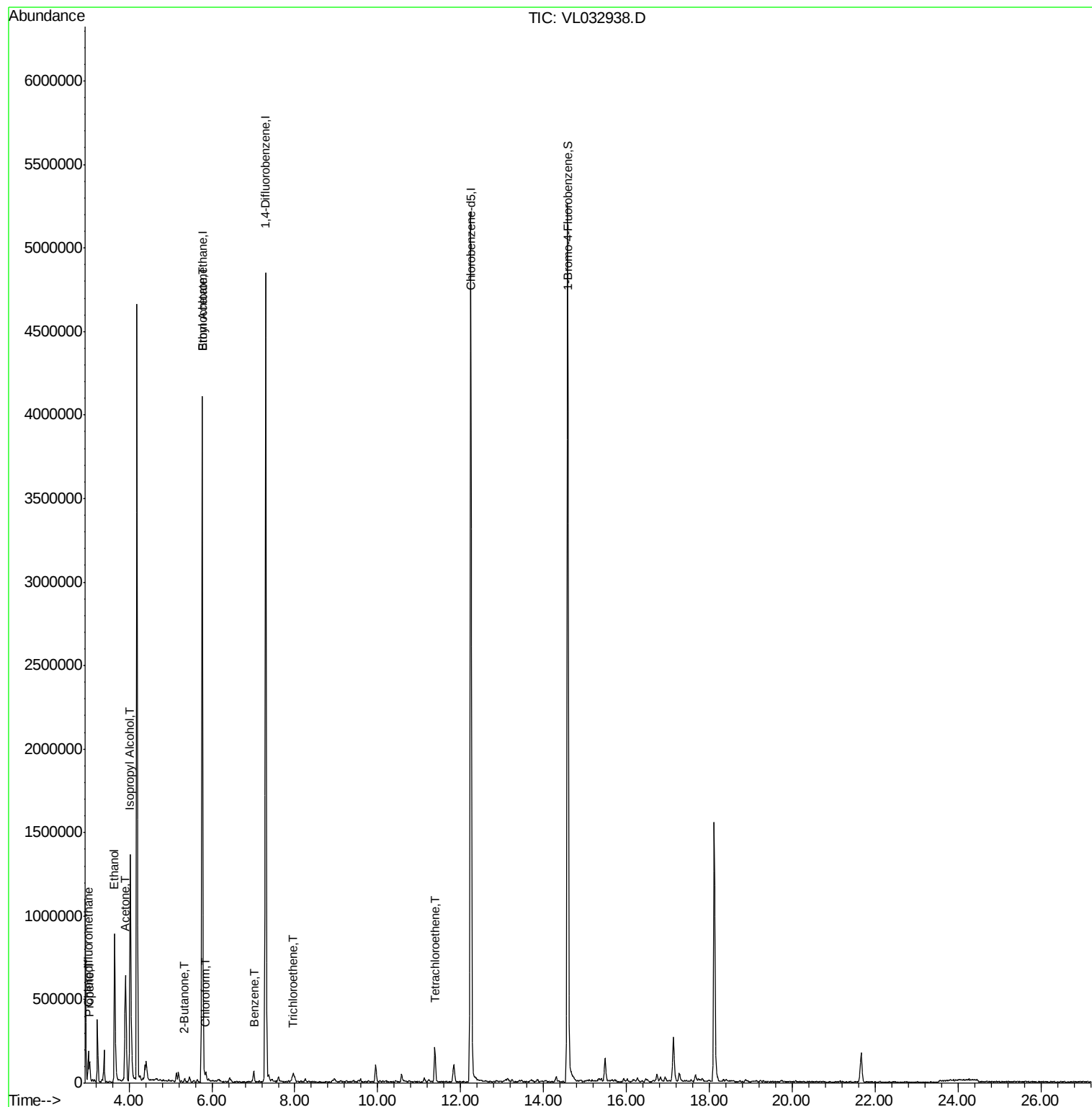
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032938.D
Acq On : 7 Dec 2018 17:12
Operator : SY/AP
Sample : J6262-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

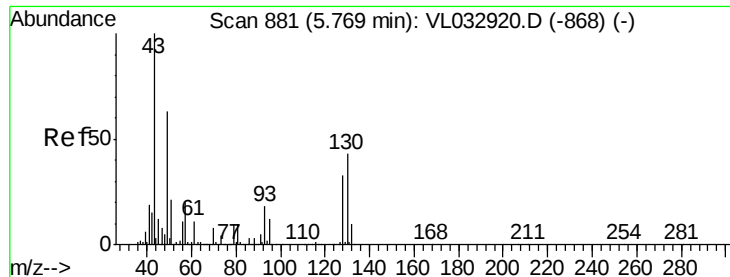
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:02 AM

Quant Time: Dec 10 20:44:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032938.D

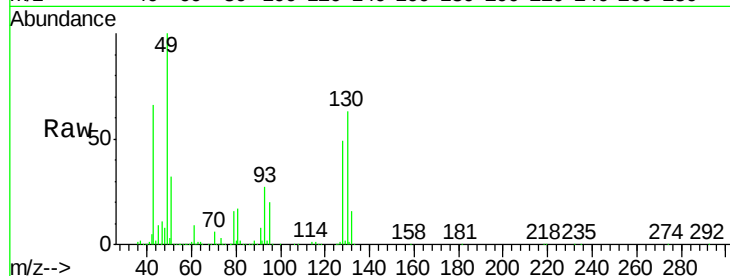
Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_L

ClientSampled :

IA2DL



Tgt Ion: 49 Resp: 1385706

Ion Ratio Lower Upper

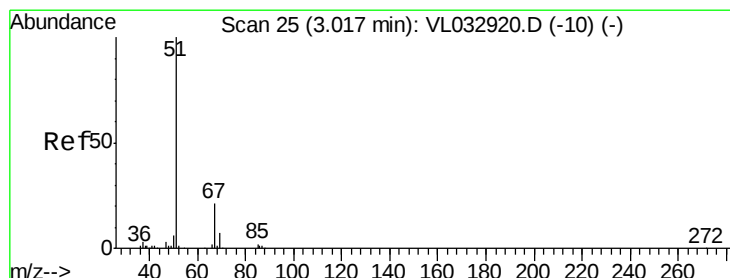
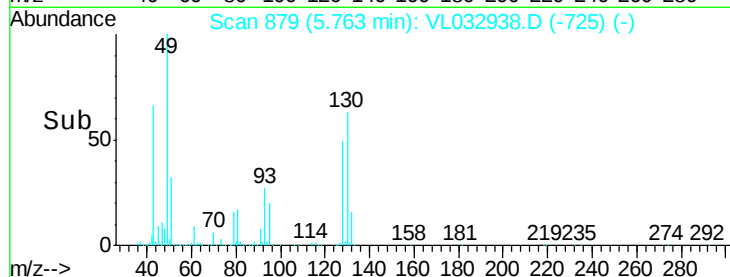
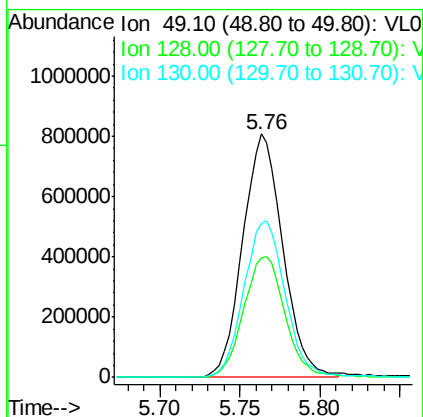
49 100

128 51.9 26.3 78.8

130 67.0 33.9 101.7

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:02 AM



#3

Chlorodifluoromethane

Concen: 1.569 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032938.D

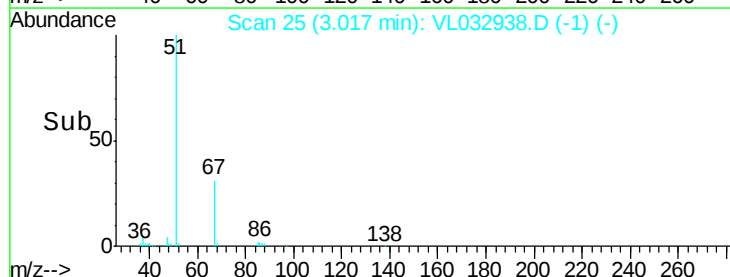
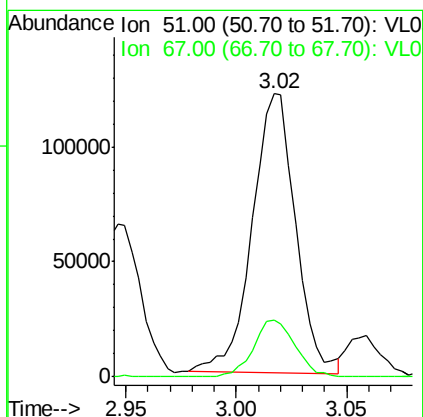
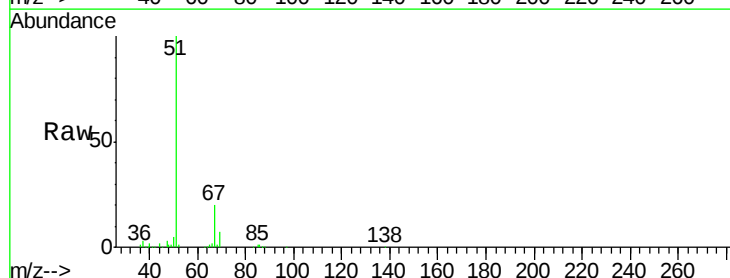
Acq: 7 Dec 2018 17:12

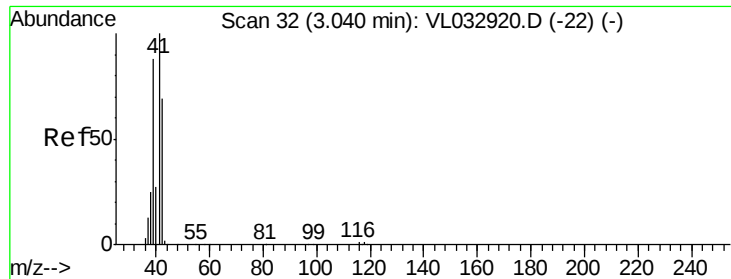
Tgt Ion: 51 Resp: 164658

Ion Ratio Lower Upper

51 100

67 19.7 16.8 25.2





#9

Propene

Concen: 0.669 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tgt Ion: 41 Resp: 27750

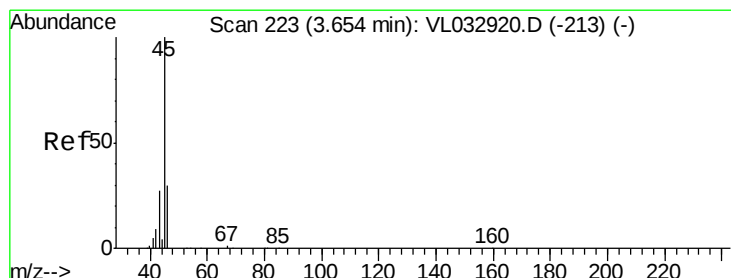
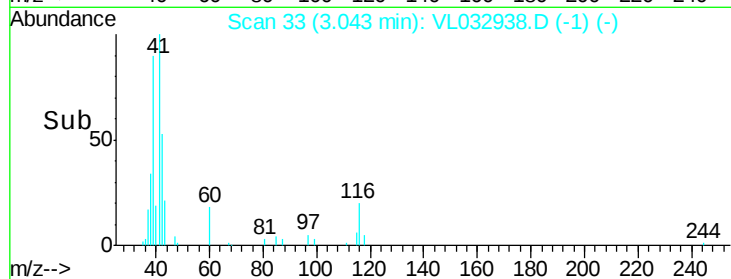
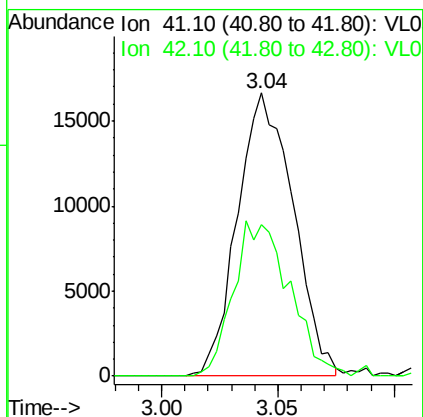
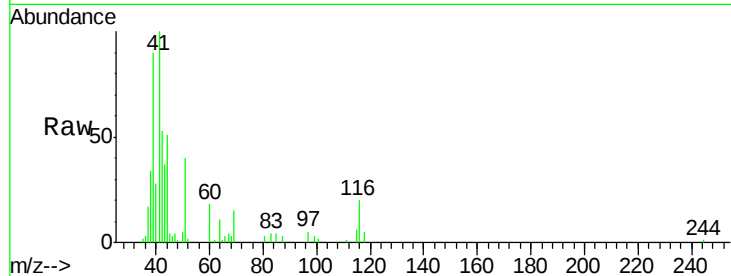
Ion Ratio Lower Upper

41 100

42 222.5 56.2 84.2#

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:02 AM



#13

Ethanol

Concen: 66.419 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL032938.D

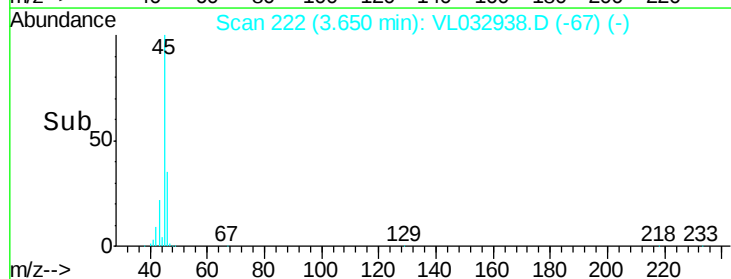
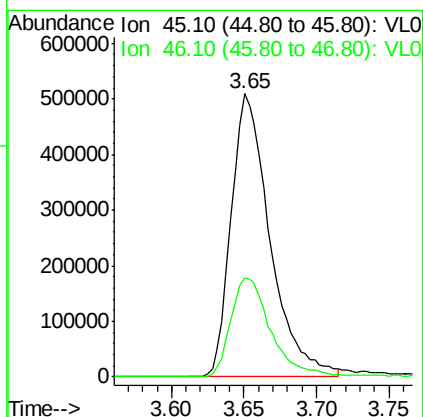
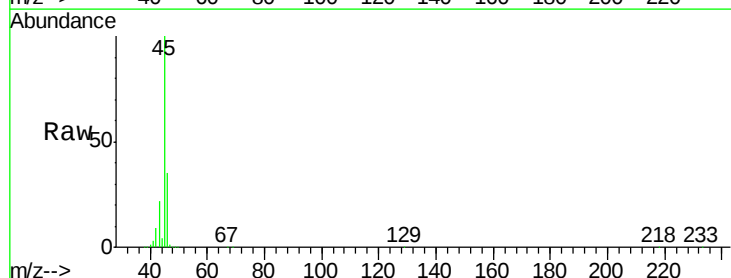
Acq: 7 Dec 2018 17:12

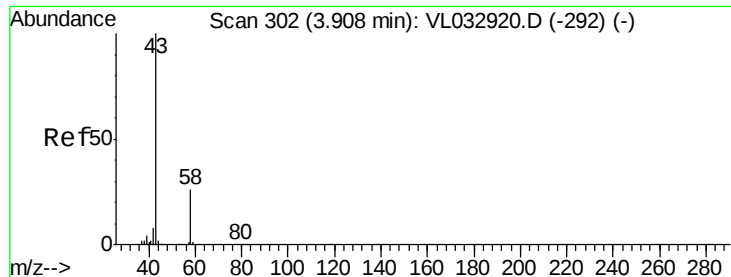
Tgt Ion: 45 Resp: 948961

Ion Ratio Lower Upper

45 100

46 36.2 13.8 55.4





#15

Acetone

Concen: 5.965 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tgt Ion: 43 Resp: 709517

Ion Ratio Lower Upper

43 100

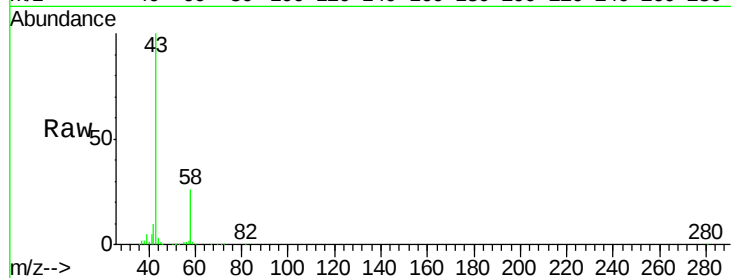
58 22.3 20.6 30.8

Manual Integrations

APPROVED

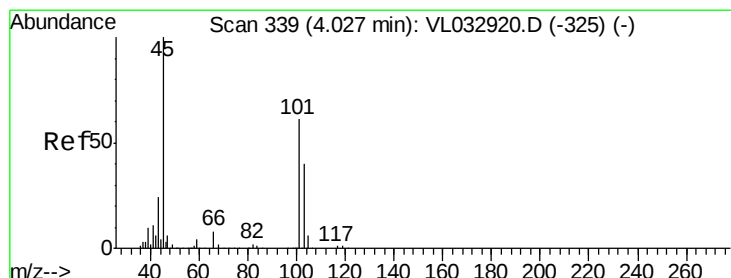
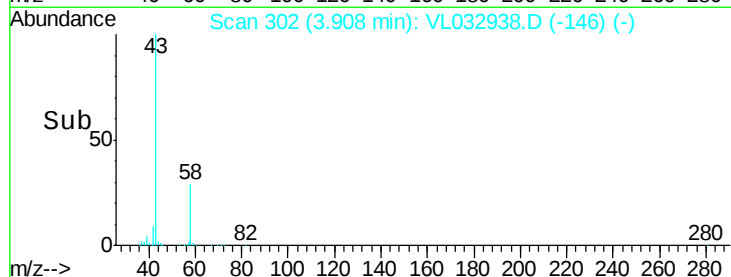
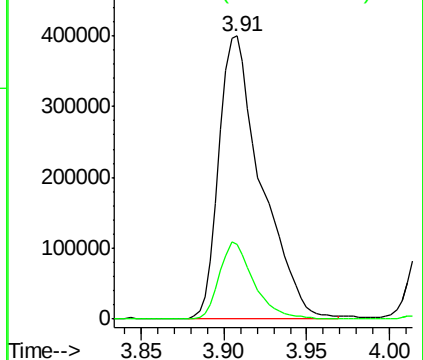
MMDadoda

12/11/2018 10:09:02 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 21.407 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL032938.D

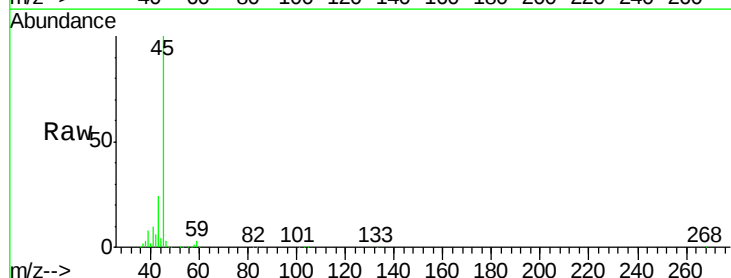
Acq: 7 Dec 2018 17:12

Tgt Ion: 45 Resp: 1598996

Ion Ratio Lower Upper

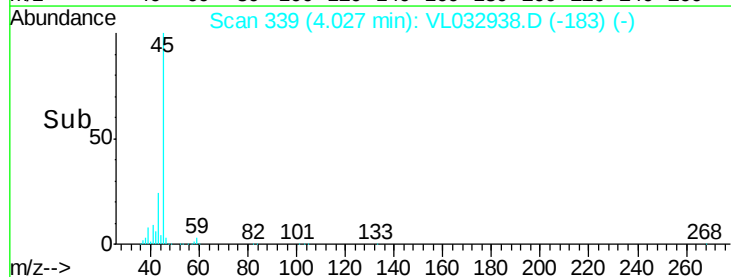
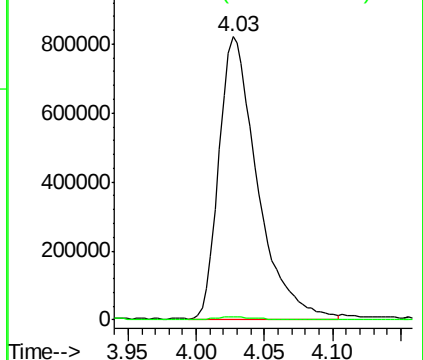
45 100

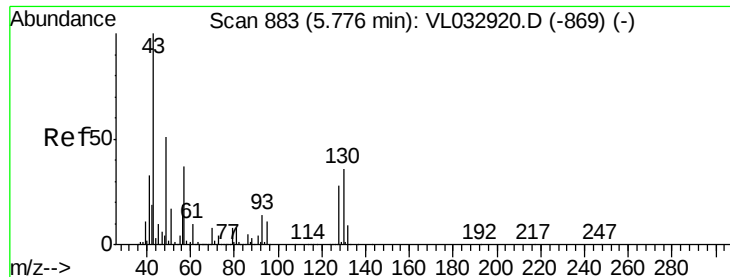
58 1.3 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#25

Ethyl Acetate

Concen: 3.434 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tgt Ion: 43 Resp: 964925
Ion Ratio Lower Upper

43 100

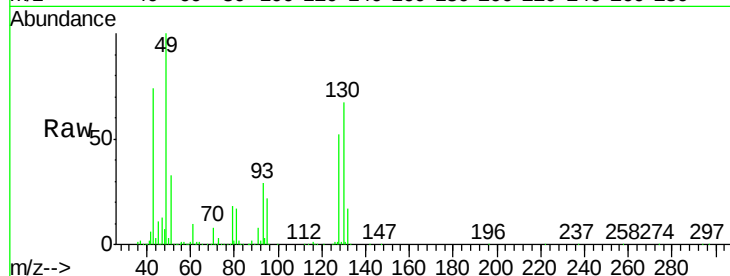
45 13.9 7.8 11.6#

61 13.0 7.4 11.2#

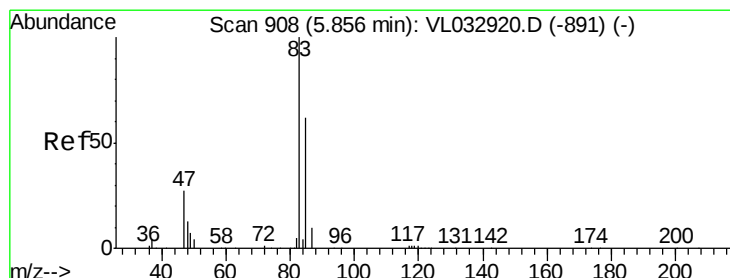
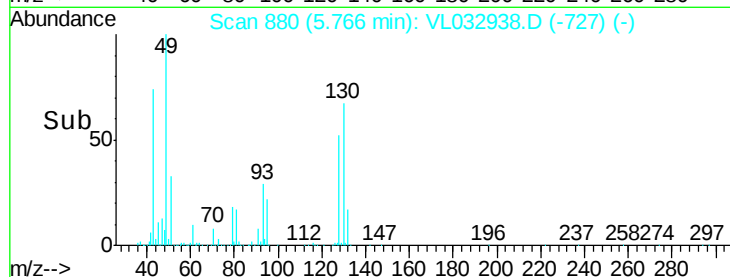
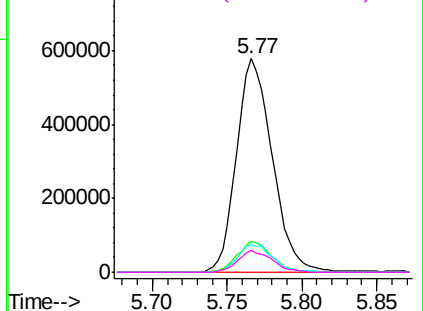
70 9.8 5.7 8.5#

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:02 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#29

Chloroform

Concen: 0.111 ppbv m

RT: 5.85 min Scan# 907

Delta R.T. -0.00 min

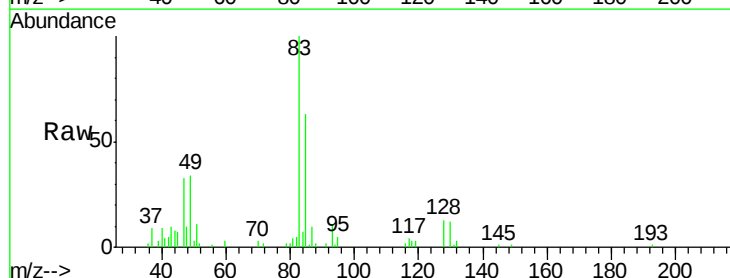
Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

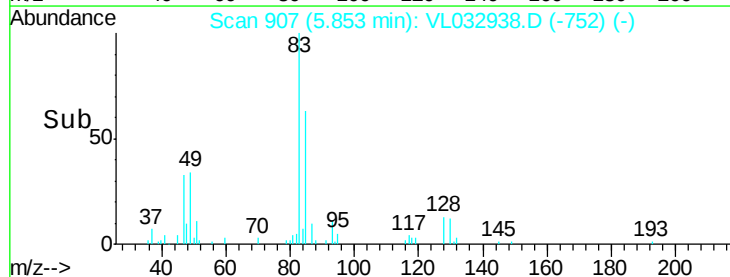
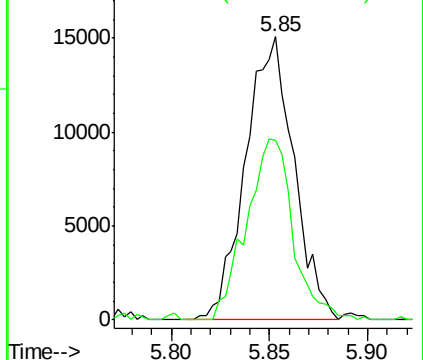
Tgt Ion: 83 Resp: 25665
Ion Ratio Lower Upper

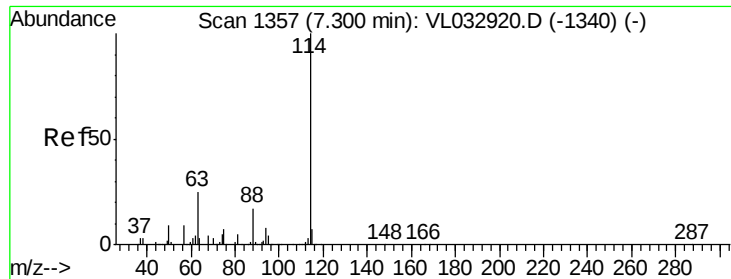
83 100

85 63.5 49.8 74.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





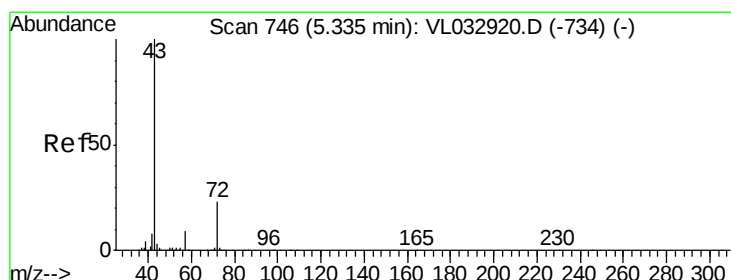
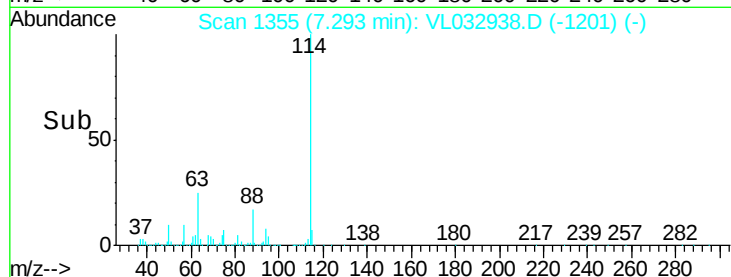
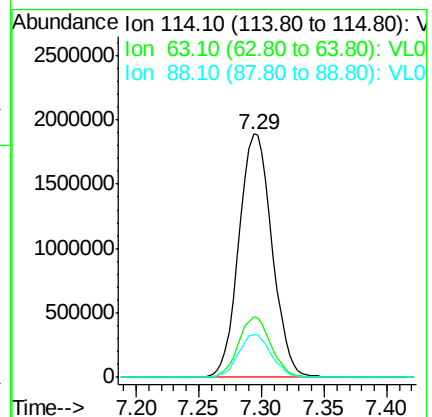
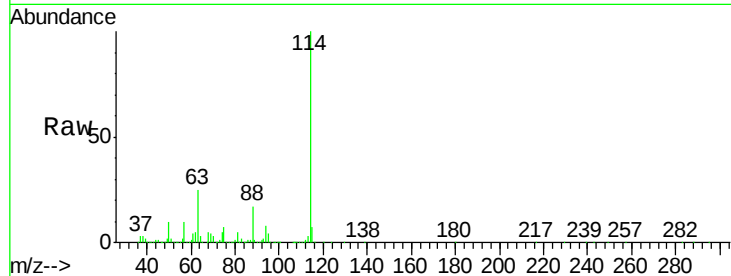
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032938.D
 Acq: 7 Dec 2018 17:12

Instrument :
 MSVOA_L
 ClientSampleID :
 IA2DL

Tgt Ion: 114 Resp: 3471509
 Ion Ratio Lower Upper
 114 100
 63 24.4 20.1 30.1
 88 17.4 14.2 21.4

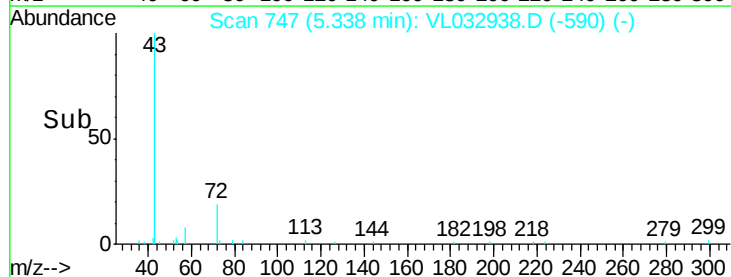
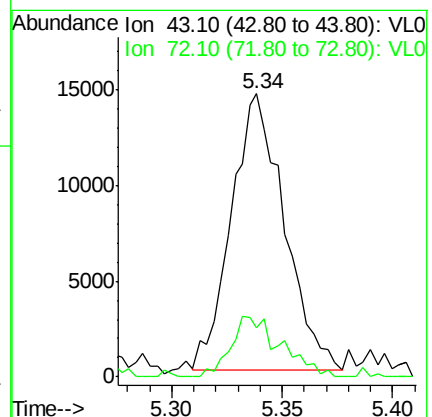
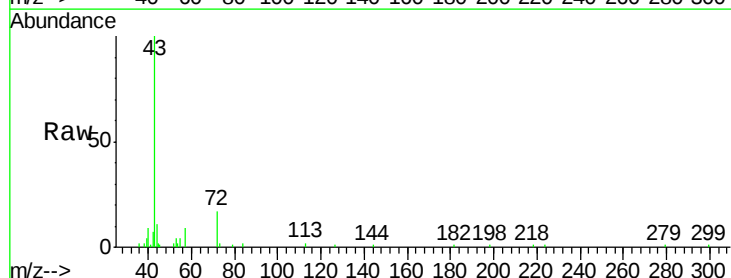
Manual Integrations
 APPROVED

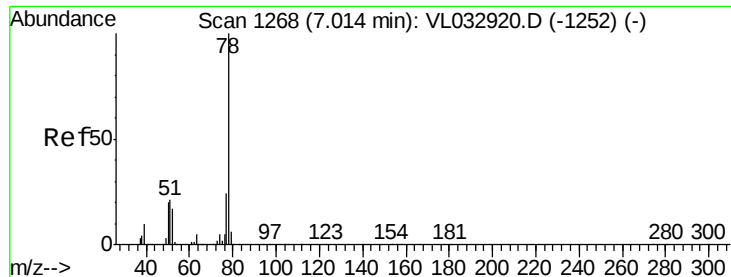
MMDadoda
 12/11/2018 10:09:02 AM



#34
 2-Butanone
 Concen: 0.160 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032938.D
 Acq: 7 Dec 2018 17:12

Tgt Ion: 43 Resp: 24126
 Ion Ratio Lower Upper
 43 100
 72 21.0 18.8 28.2





#36

Benzene

Concen: 0.180 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_L

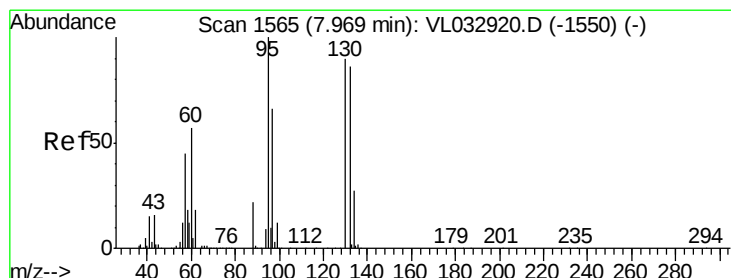
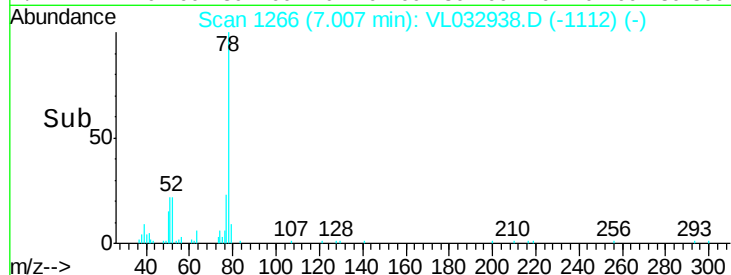
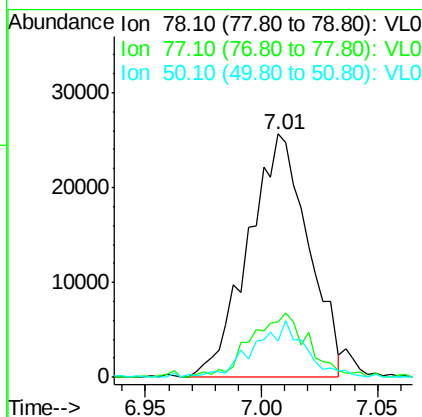
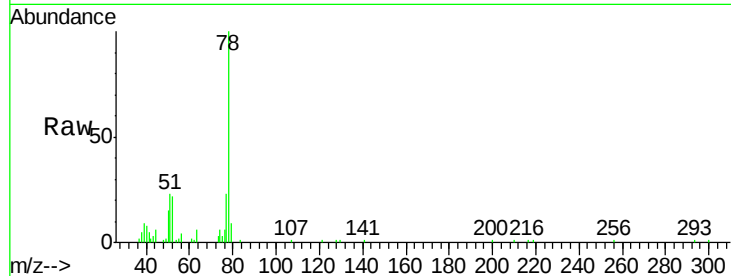
ClientSampled :

IA2DL

Tgt Ion:	78	Resp:	45864
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.9	28.3
50	13.6	16.1	24.1#

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:02 AM



#38

Trichloroethene

Concen: 0.123 ppbv m

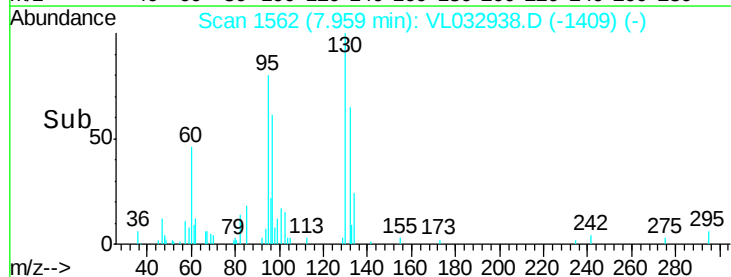
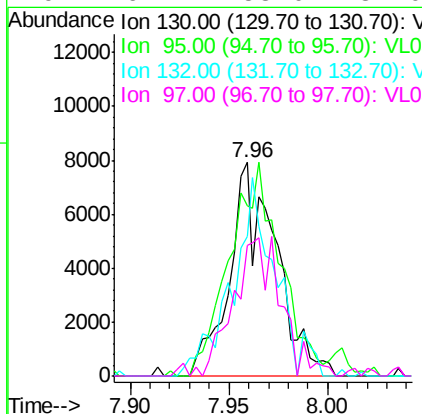
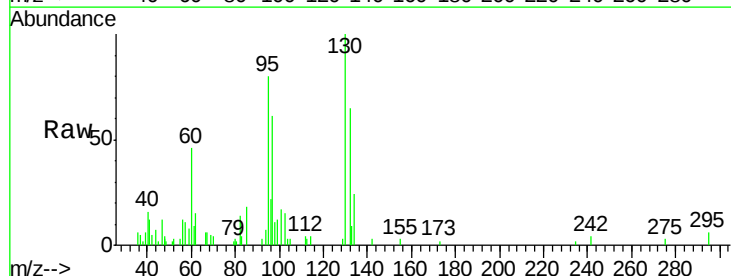
RT: 7.96 min Scan# 1562

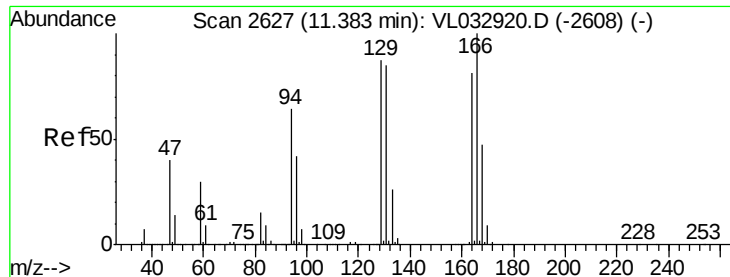
Delta R.T. -0.01 min

Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

Tgt Ion:	130	Resp:	13088
Ion Ratio	Lower	Upper	
130	100		
95	79.8	88.6	132.8#
132	65.0	76.1	114.1#
97	61.1	58.0	87.0





#52

Tetrachloroethene

Concen: 0.520 ppbv m

RT: 11.38 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL032938.D

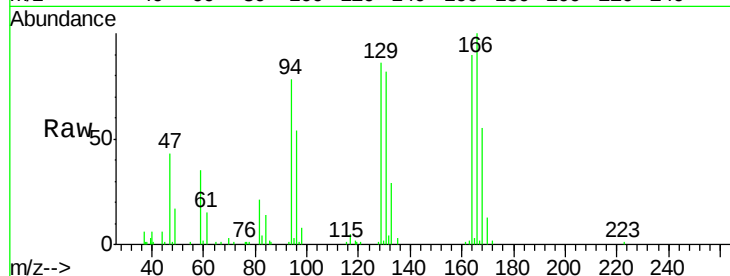
Acq: 7 Dec 2018 17:12

Instrument :

MSVOA_L

ClientSampleId :

IA2DL



Tgt Ion:164 Resp: 48295

Ion Ratio Lower Upper

164 100

166 111.6 98.8 148.2

129 96.0 85.5 128.3

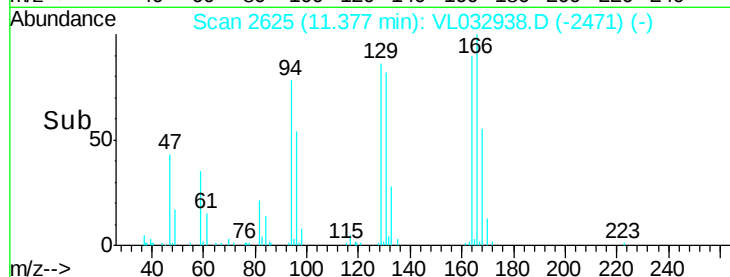
131 91.5 84.4 126.6

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:09:02 AM

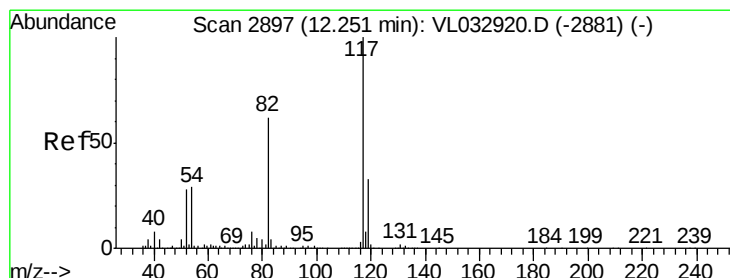
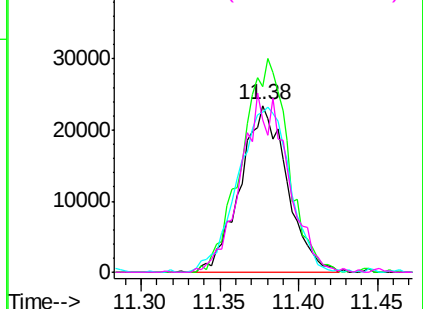


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032938.D

Acq: 7 Dec 2018 17:12

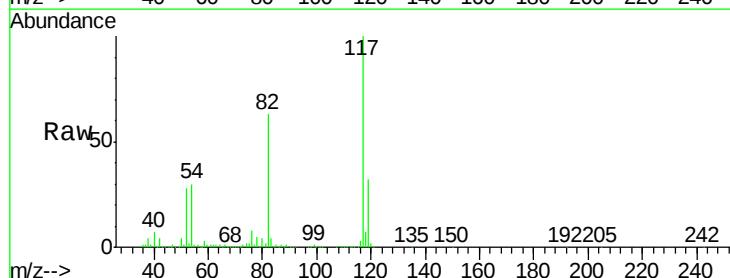
Tgt Ion:117 Resp: 3266286

Ion Ratio Lower Upper

117 100

82 63.9 47.8 71.8

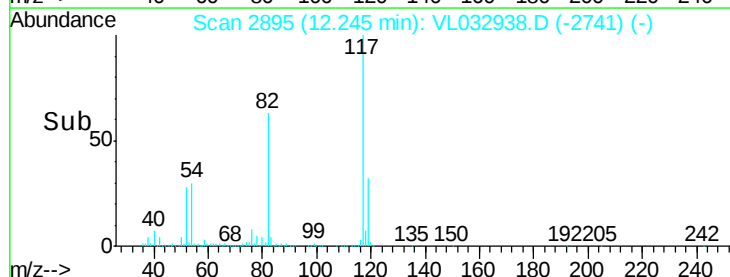
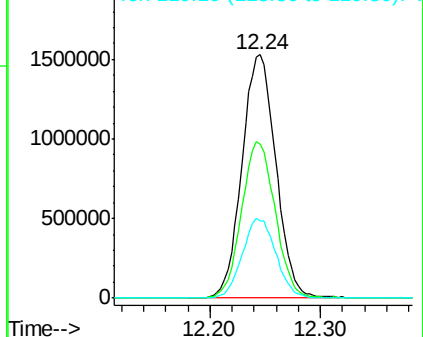
119 32.6 43.1 64.7#

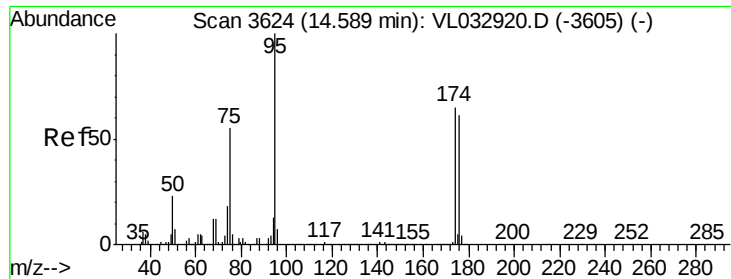


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.283 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032938.D
 Acq: 7 Dec 2018 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Tgt Ion: 95 Resp: 2481296
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.4 77.0
 175 4.8 3.8 5.6

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:02 AM

