

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
 Data File : VL032012.D
 Acq On : 16 May 2018 22:20
 Operator : SY/AP
 Sample : J2942-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VZW2DUP

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 3:34:18 PM

Quant Time: May 17 09:22:05 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1025967	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.41	114	2000868	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.37	117	1992795	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.71	95	1602671	10.37	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.15	85	16373	0.12	ppbv	# 79
4) Chloromethane	3.25	50	29187	0.57	ppbv	98
9) Propene	3.13	41	13117	0.37	ppbv	93
11) Trichlorofluoromethane	4.10	101	44000	0.27	ppbv	99
15) Acetone	4.00	43	549344	3.79	ppbv	99
20) Methylene Chloride	4.50	84	151675	3.10	ppbv	# 91
26) Hexane	5.89	57	117797	1.01	ppbv	# 44
34) 2-Butanone	5.45	43	103803	0.63	ppbv	99
35) Carbon Tetrachloride	7.25	117	12626m	0.08	ppbv	
53) Toluene	10.08	91	27272m	0.13	ppbv	

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

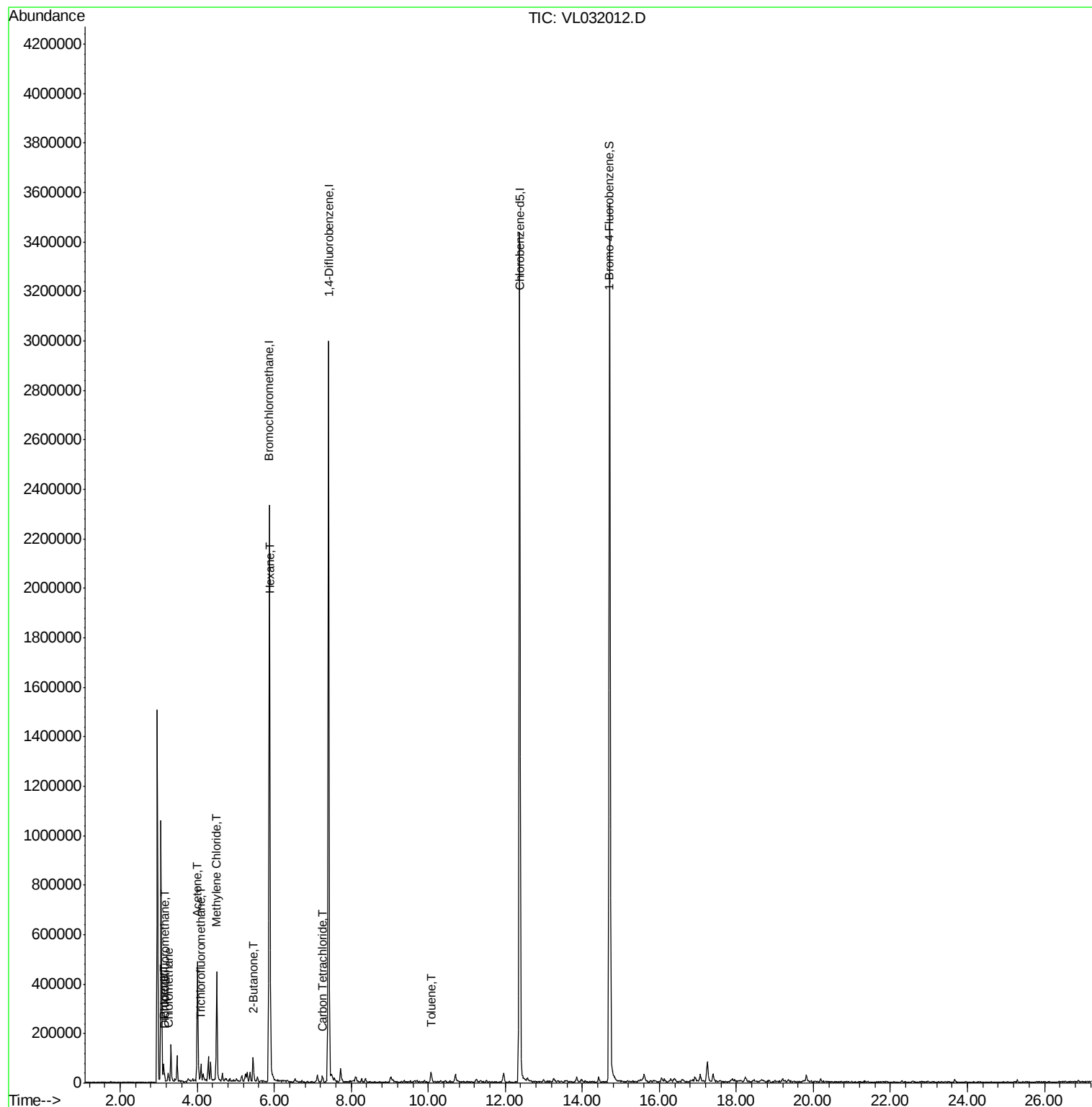
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
Data File : VL032012.D
Acq On : 16 May 2018 22:20
Operator : SY/AP
Sample : J2942-02DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

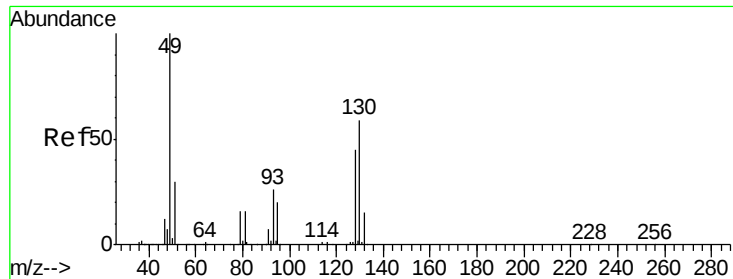
Instrument :
MSVOA_L
ClientSampleId :
VZW2DUP

Manual Integrations
APPROVED

MMDadoda
5/17/2018 3:34:18 PM

Quant Time: May 17 09:22:05 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.87 min Scan# 1488

Delta R.T. -0.01 min

Lab File: VL032012.D

Acq: 16 May 2018 22:20

Instrument :

MSVOA_L

ClientSampleId :

VZW2DUP

Tot Ion: 49 Resp: 1025967

Ion Ratio Lower Upper

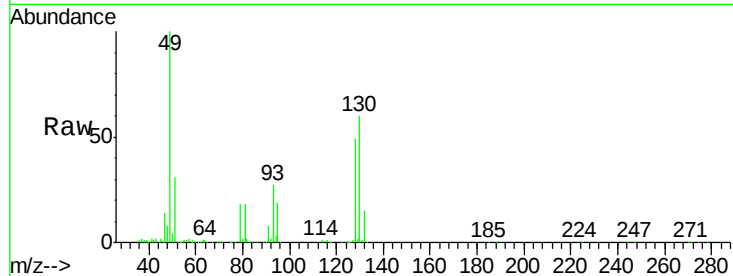
49 100

128 48.6 24.1 72.3

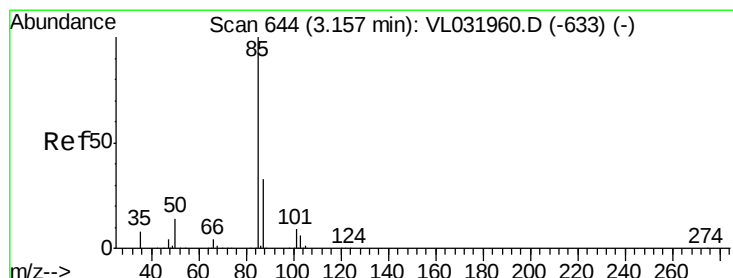
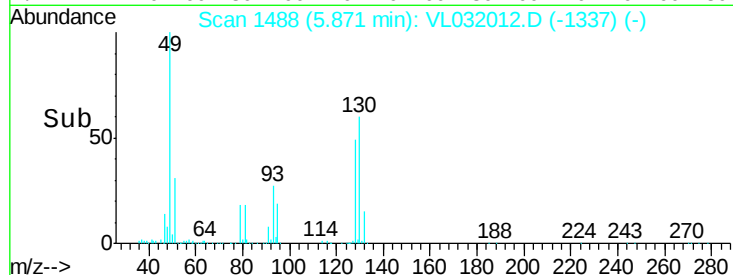
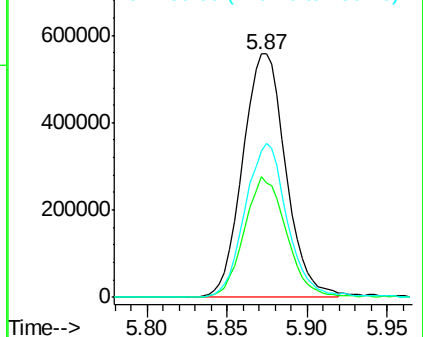
130 62.8 30.7 92.1

Manual Integrations
APPROVED

MMDadoda
5/17/2018 3:34:18 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.12 ppbv

RT: 3.15 min Scan# 643

Delta R.T. -0.00 min

Lab File: VL032012.D

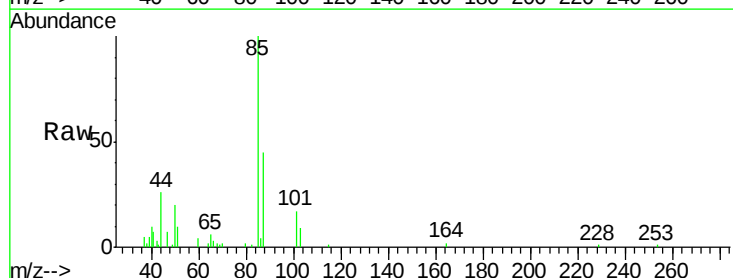
Acq: 16 May 2018 22:20

Tgt Ion: 85 Resp: 16373

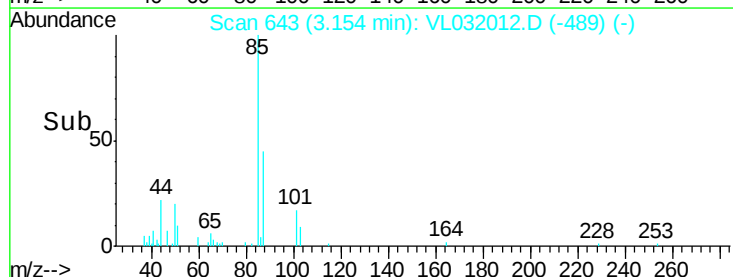
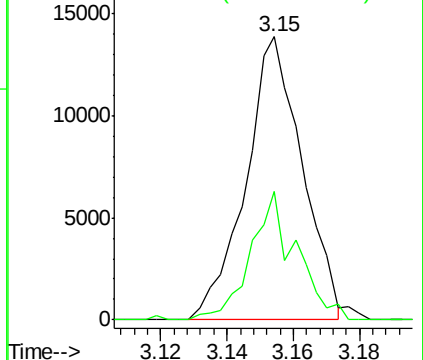
Ion Ratio Lower Upper

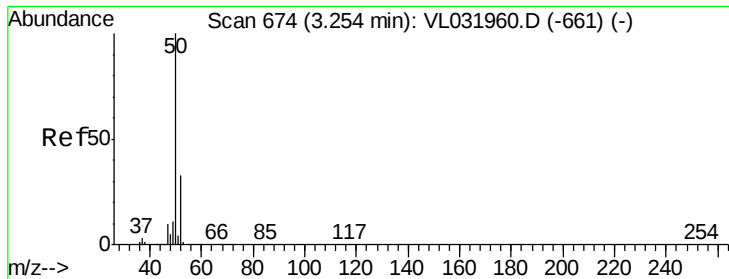
85 100

87 45.4 26.8 40.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.57 ppbv

RT: 3.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: VL032012.D

Acq: 16 May 2018 22:20

Instrument :

MSVOA_L

ClientSampleId :

VZW2DUP

Tot Ion: 50 Resp: 29187

Ion Ratio Lower Upper

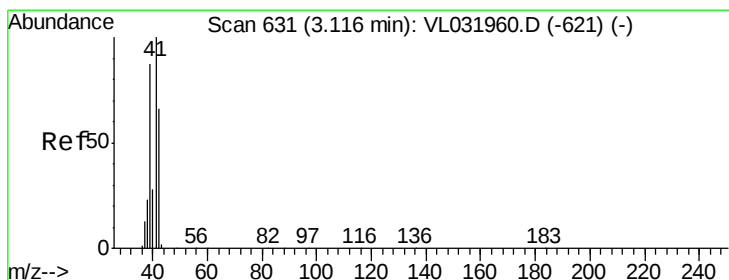
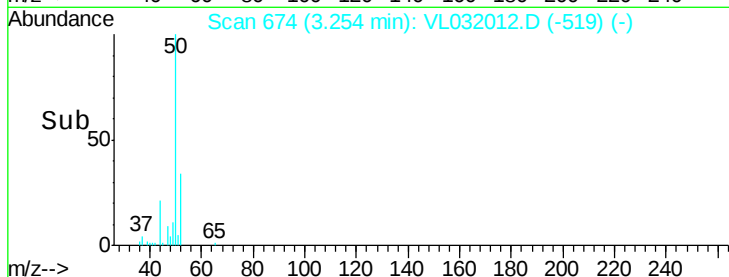
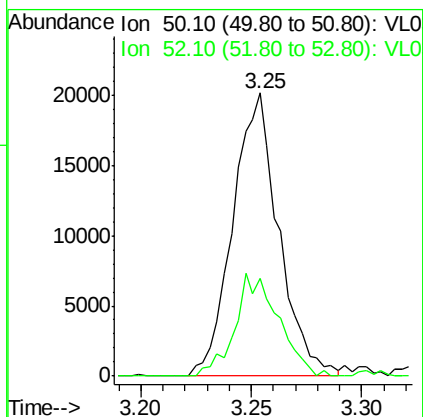
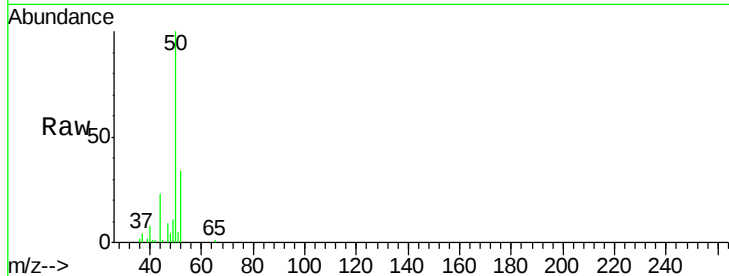
50 100

52 34.4 26.6 39.8

Manual Integrations
APPROVED

MMDadoda

5/17/2018 3:34:18 PM



#9

Propene

Concen: 0.37 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.01 min

Lab File: VL032012.D

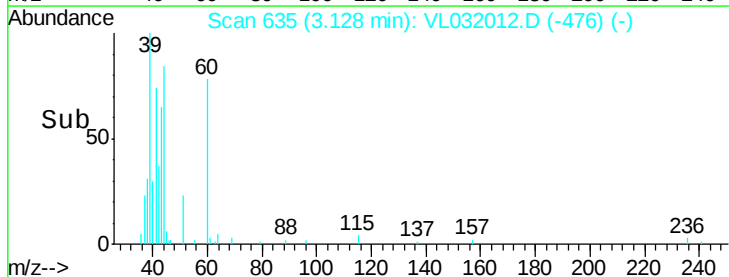
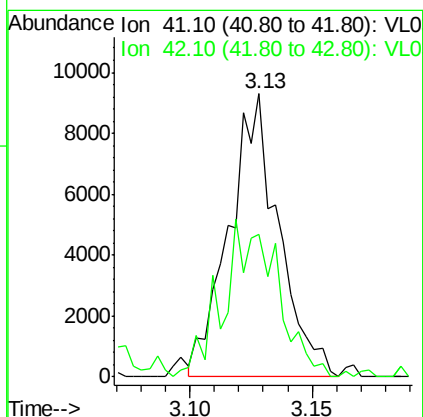
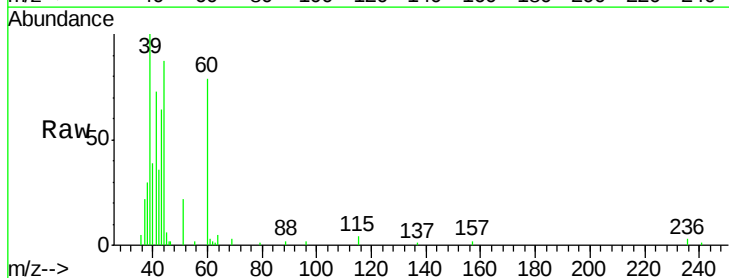
Acq: 16 May 2018 22:20

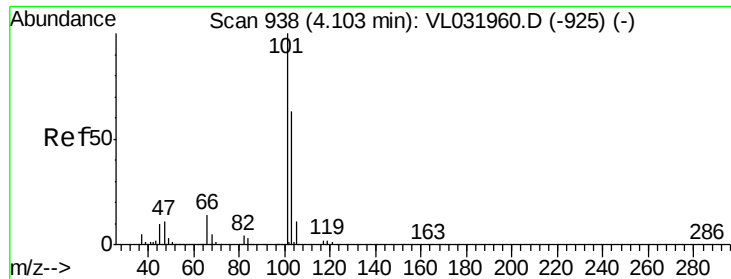
Tgt Ion: 41 Resp: 13117

Ion Ratio Lower Upper

41 100

42 61.8 53.9 80.9





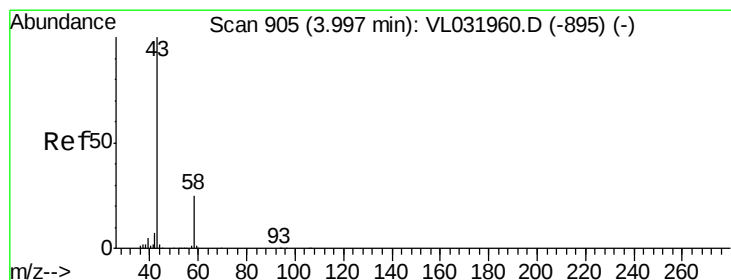
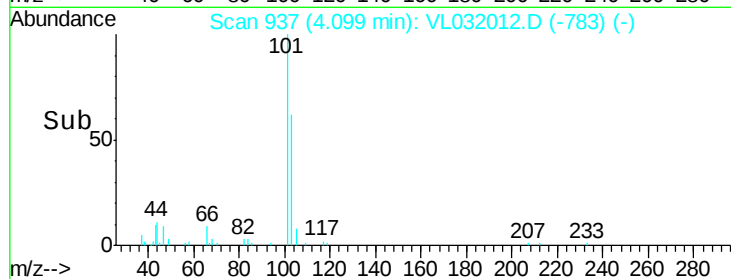
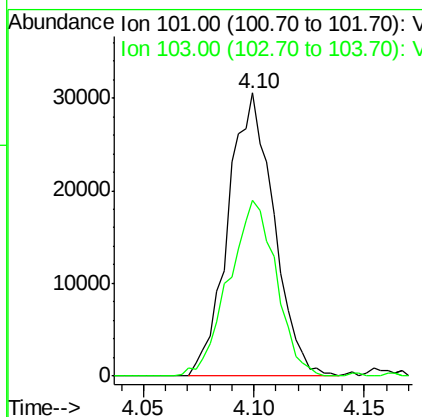
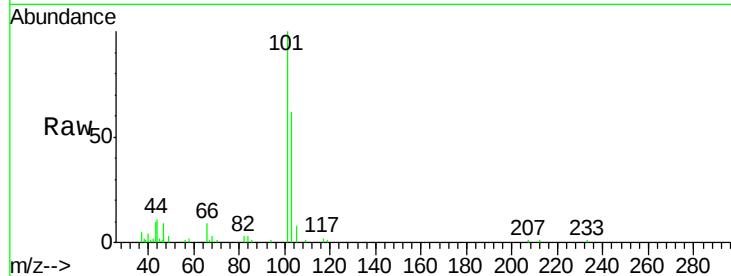
#11
 Trichlorofluoromethane
 Concen: 0.27 ppbv
 RT: 4.10 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VL032012.D
 Acq: 16 May 2018 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VZW2DUP

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.7	76.1

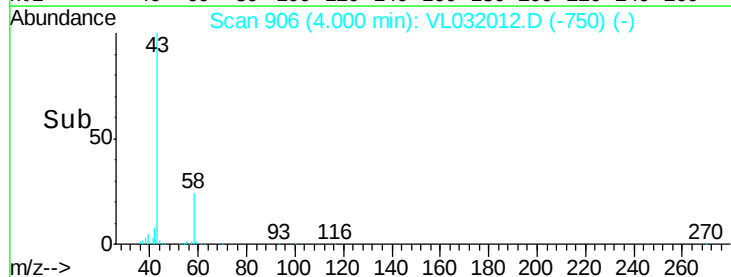
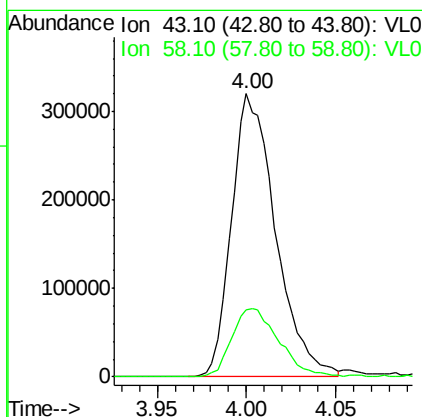
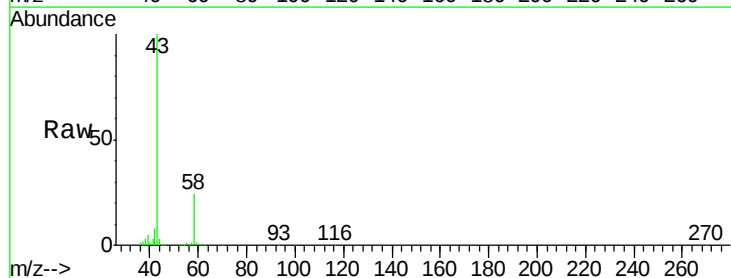
Manual Integrations
 APPROVED

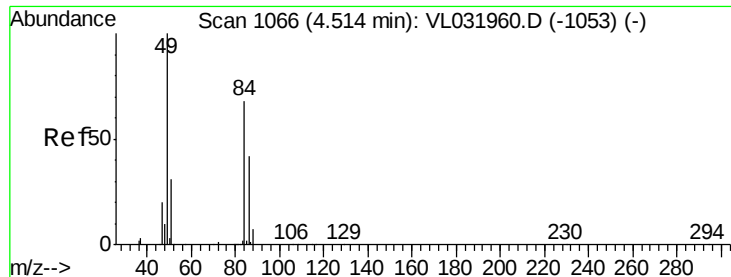
MMDadoda
 5/17/2018 3:34:18 PM



#15
 Acetone
 Concen: 3.79 ppbv
 RT: 4.00 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VL032012.D
 Acq: 16 May 2018 22:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.1	31.7





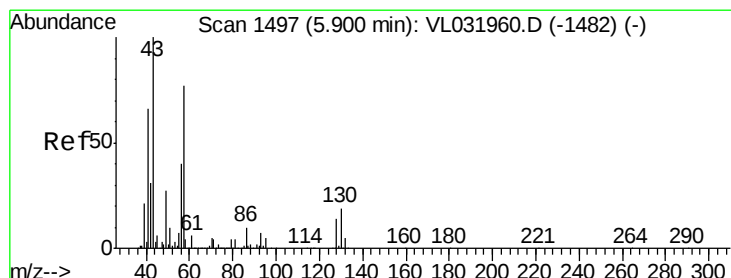
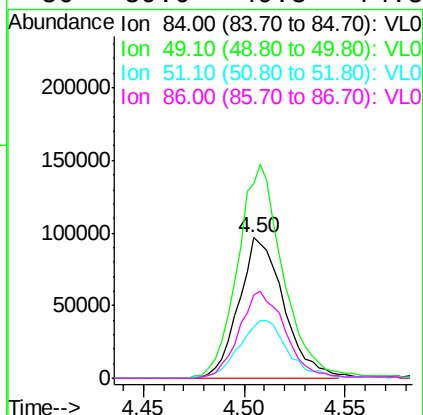
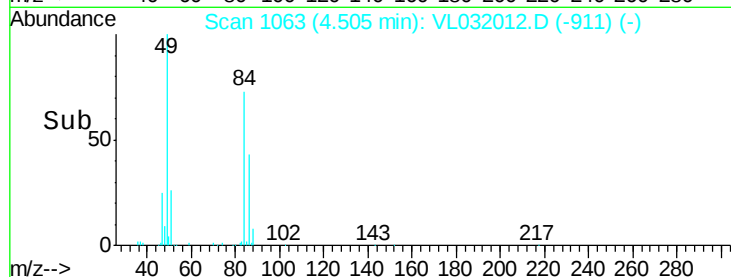
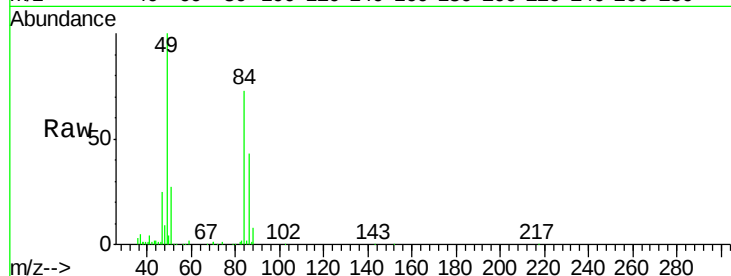
#20
Methvlene Chloride
Concen: 3.10 ppbv
RT: 4.50 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VL032012.D
Acq: 16 May 2018 22:20

Instrument :
MSVOA_L
ClientSampleId :
VZW2DUP

Tot Ion	Ratio	Lower	Upper
84	100		
49	137.1	118.6	178.0
51	36.3	36.6	54.8#
86	59.0	49.8	74.8

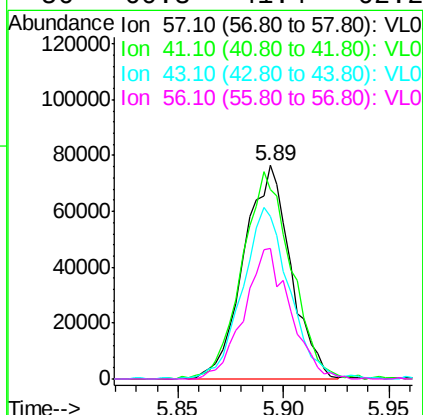
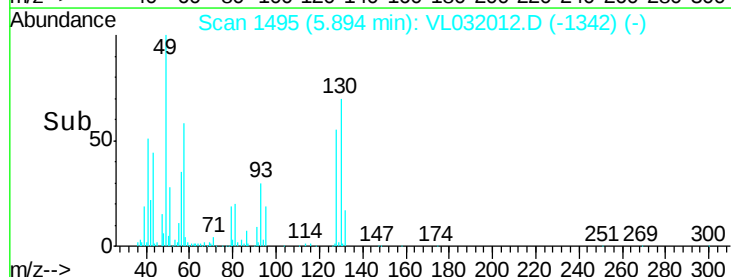
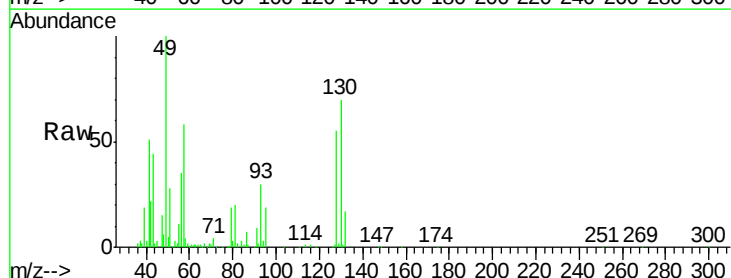
Manual Integrations
APPROVED

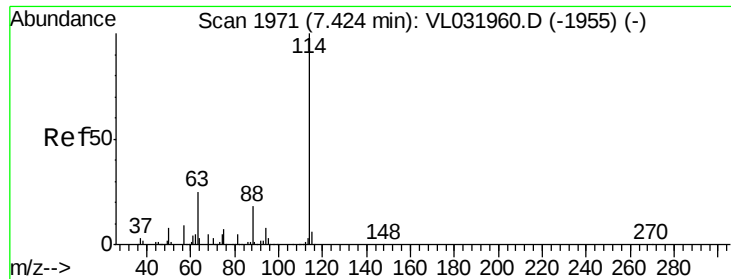
MMDadoda
5/17/2018 3:34:18 PM



#26
Hexane
Concen: 1.01 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VL032012.D
Acq: 16 May 2018 22:20

Tgt Ion	Ratio	Lower	Upper
57	100		
41	103.0	71.8	107.6
43	80.3	171.5	257.3#
56	60.3	41.4	62.2





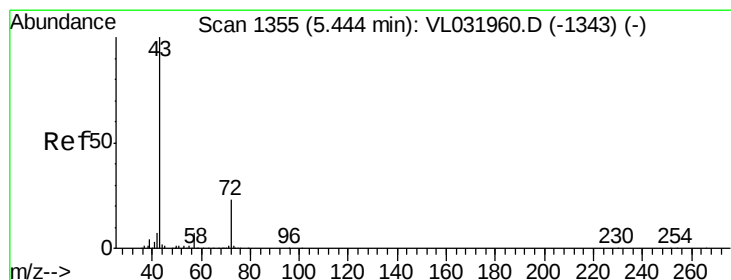
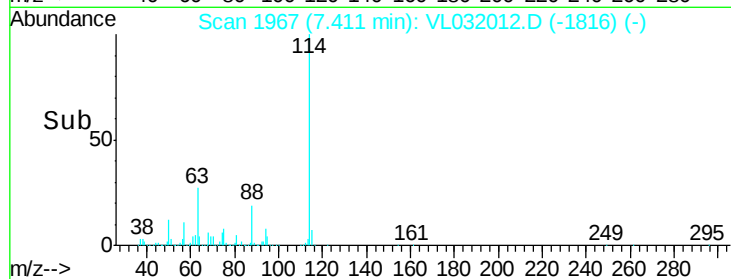
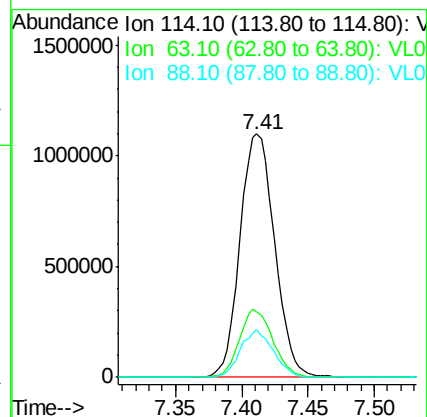
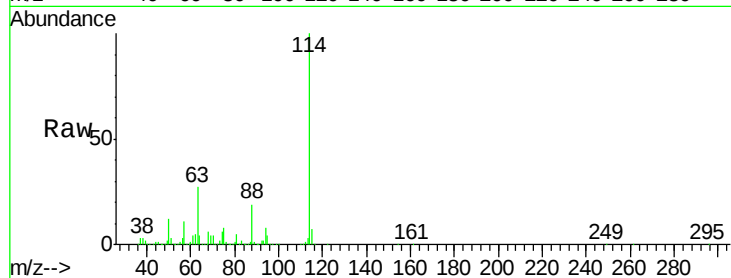
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: VL032012.D
 Acq: 16 May 2018 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VZW2DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	20.8	31.2
88	18.6	14.6	21.8

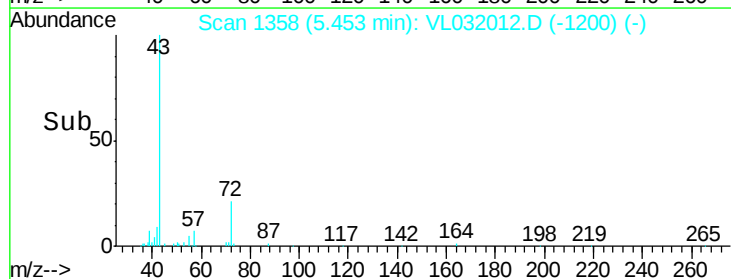
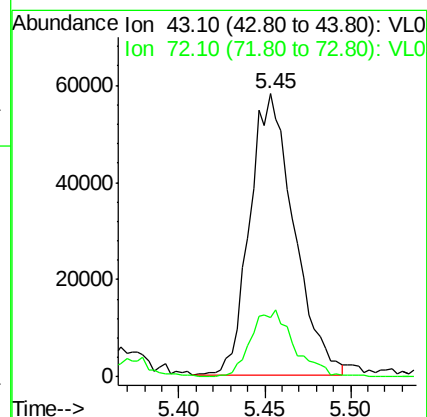
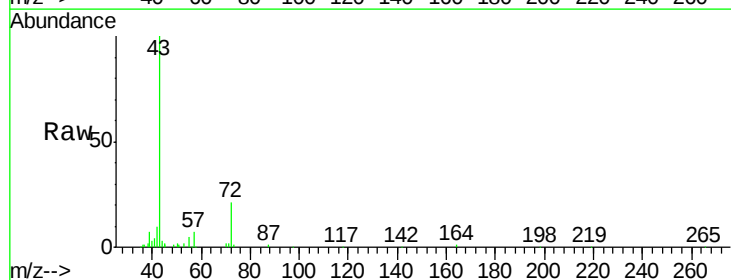
Manual Integrations
 APPROVED

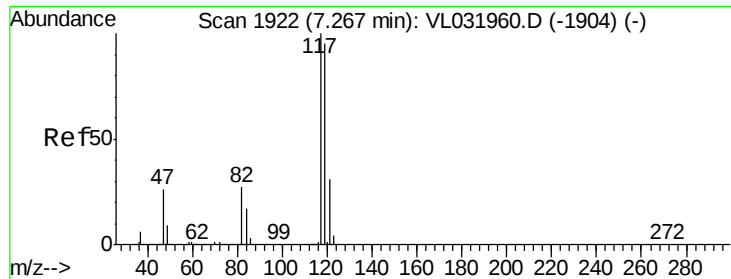
MMDadoda
 5/17/2018 3:34:18 PM



#34
 2-Butanone
 Concen: 0.63 ppbv
 RT: 5.45 min Scan# 1358
 Delta R.T. 0.01 min
 Lab File: VL032012.D
 Acq: 16 May 2018 22:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.3	27.5





#35

Carbon Tetrachloride

Concen: 0.08 ppbv m

RT: 7.25 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VL032012.D

Acq: 16 May 2018 22:20

Instrument :

MSVOA_L

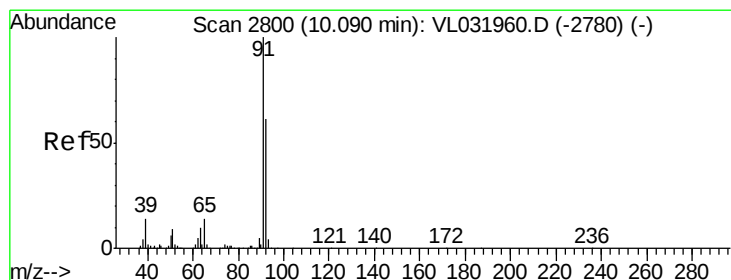
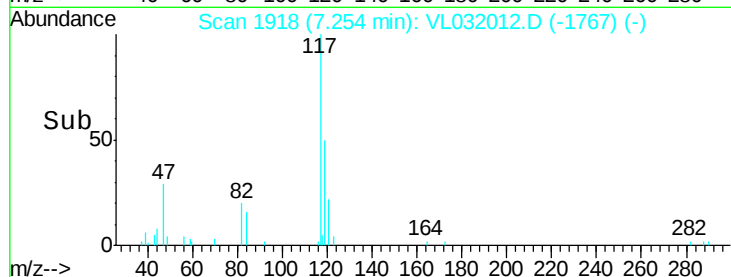
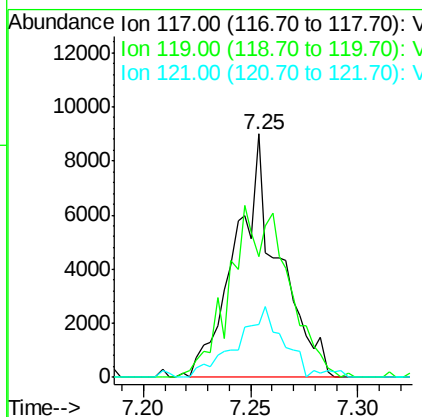
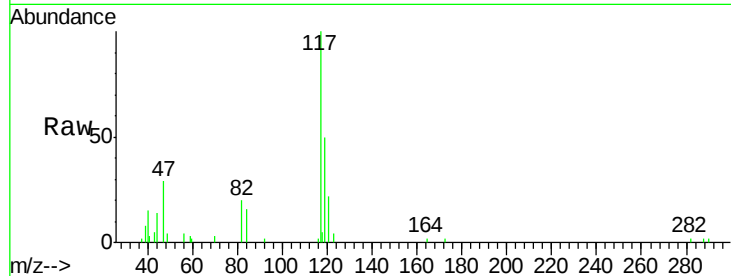
ClientSampleId :

VZW2DUP

Tot Ion:	117	Resp:	12626
Ion Ratio	Lower	Upper	
117	100		
119	49.8	76.4	114.6#
121	21.9	24.4	36.6#

Manual Integrations
APPROVED

MMDadoda
5/17/2018 3:34:18 PM



#53

Toluene

Concen: 0.13 ppbv m

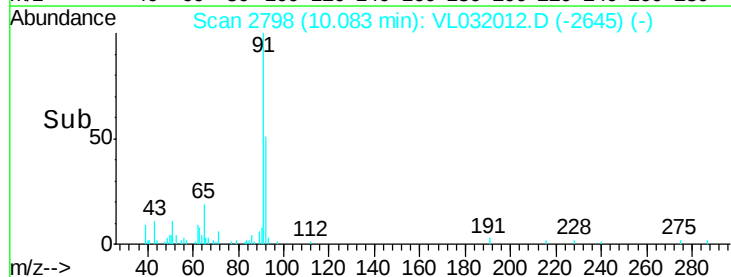
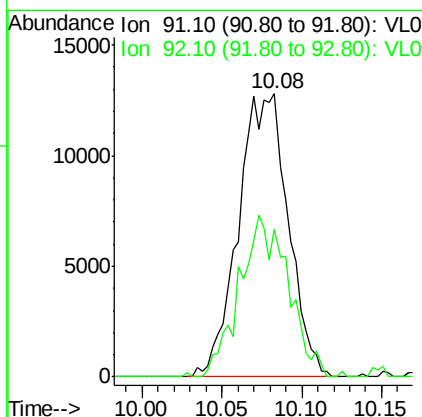
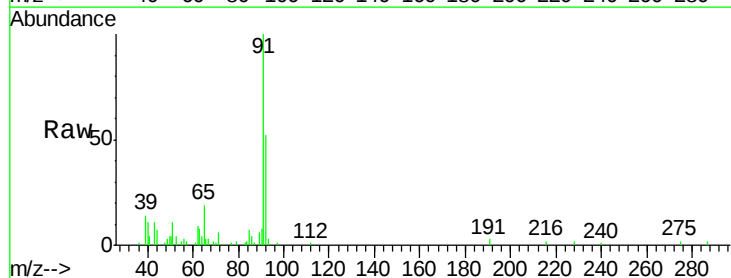
RT: 10.08 min Scan# 2798

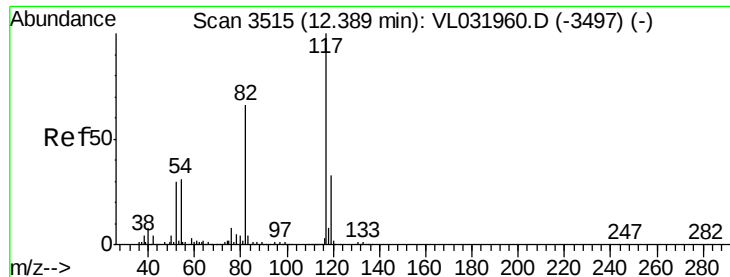
Delta R.T. -0.01 min

Lab File: VL032012.D

Acq: 16 May 2018 22:20

Tgt Ion:	91	Resp:	27272
Ion Ratio	Lower	Upper	
91	100		
92	55.8	47.4	71.2





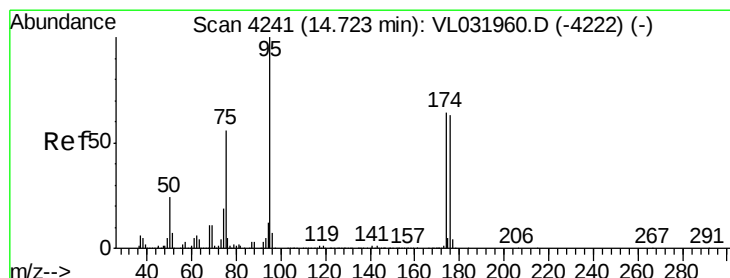
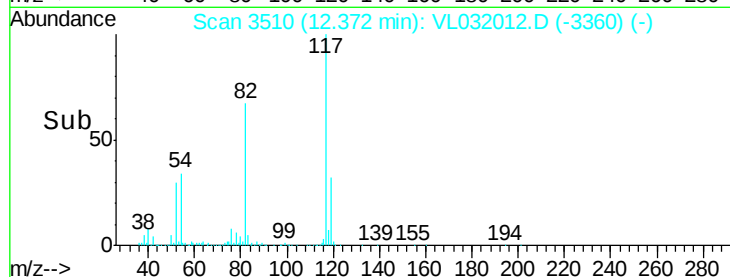
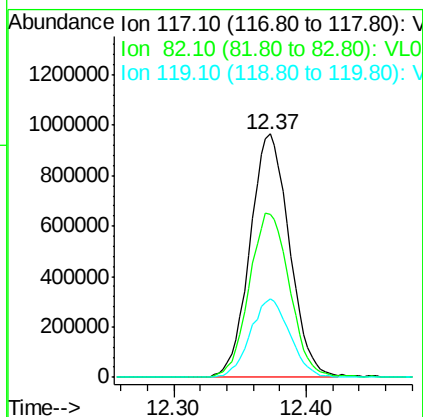
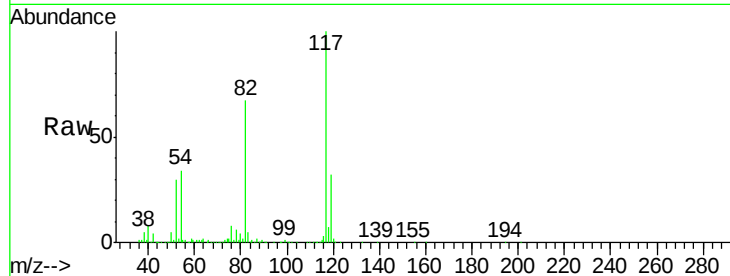
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.02 min
Lab File: VL032012.D
Acq: 16 May 2018 22:20

Instrument :
MSVOA_L
ClientSampleId :
VZW2DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.5	51.6	77.4
119	32.5	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
5/17/2018 3:34:18 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.37 ppbv
RT: 14.71 min Scan# 4237
Delta R.T. -0.01 min
Lab File: VL032012.D
Acq: 16 May 2018 22:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.5	53.0	79.6
175	4.6	3.9	5.9

