

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034023.D
 Acq On : 11 Jul 2019 18:39
 Operator : SY/AP
 Sample : K3747-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1DL2

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 10:47:02 PM

Quant Time: Jul 12 07:43:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1008358	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.25	114	2646793	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2597510	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2045704	9.23	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.64	45	16978m	1.193	ppbv	
15) Acetone	3.88	43	109291	0.645	ppbv	# 88
20) Methylene Chloride	4.38	84	56691	0.767	ppbv	93
26) Hexane	5.74	57	20502m	0.193	ppbv	
53) Toluene	9.90	91	34167m	0.144	ppbv	

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

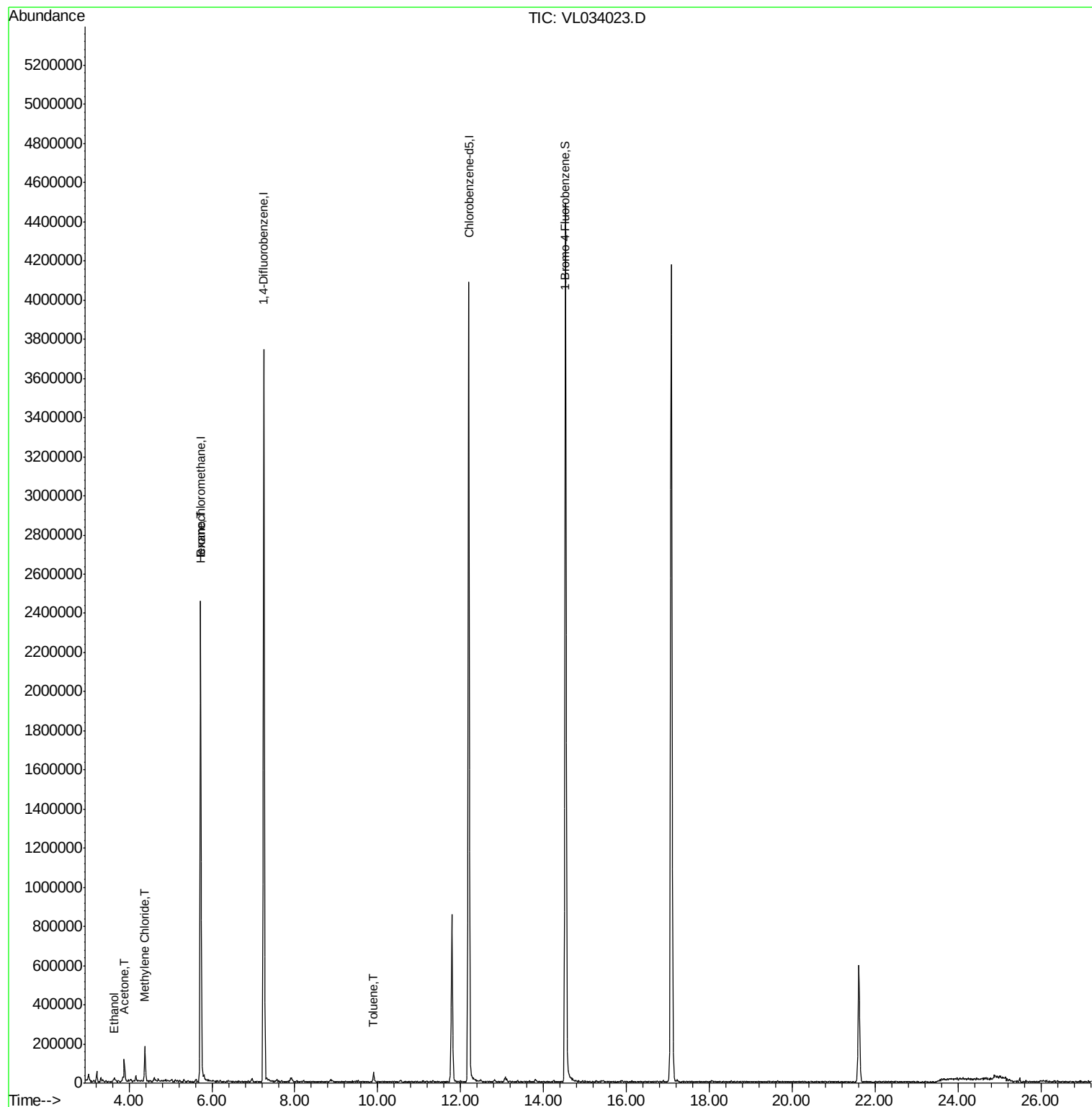
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071119\
Data File : VL034023.D
Acq On : 11 Jul 2019 18:39
Operator : SY/AP
Sample : K3747-01DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

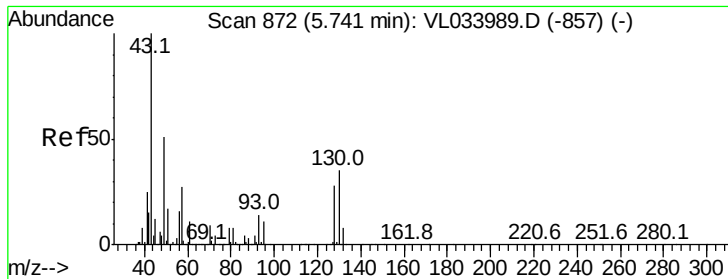
Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL2

Manual Integrations
APPROVED

MMDadoda
7/12/2019 10:47:02 PM

Quant Time: Jul 12 07:43:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 868

Delta R.T. -0.01 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL2

Tot Ion: 49 Resp: 1008358

Ion Ratio Lower Upper

49 100

128 57.1 27.9 83.6

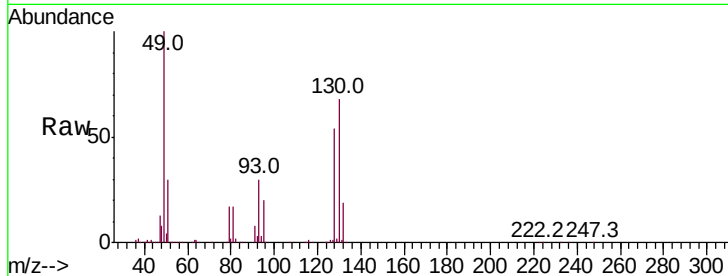
130 73.9 35.8 107.4

Manual Integrations

APPROVED

MMDadoda

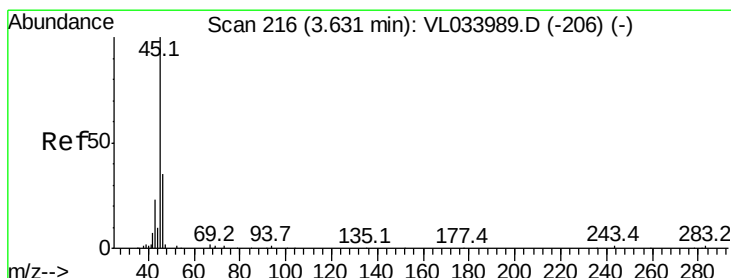
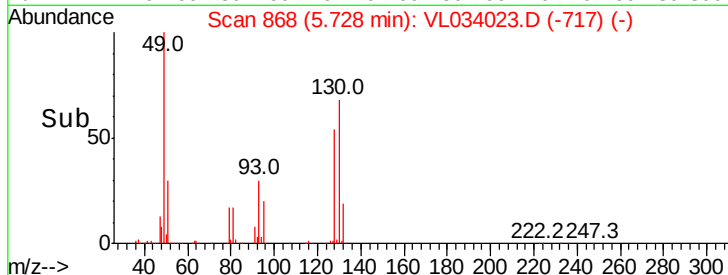
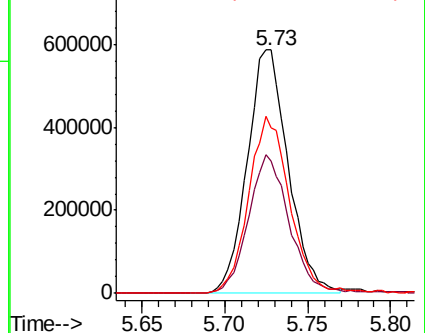
7/12/2019 10:47:02 PM



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: 1.193 ppbv m

RT: 3.64 min Scan# 219

Delta R.T. 0.01 min

Lab File: VL034023.D

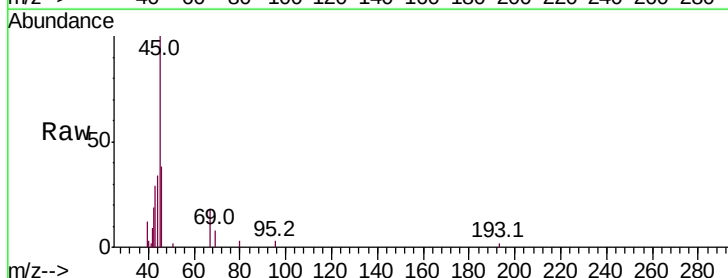
Acq: 11 Jul 2019 18:39

Tgt Ion: 45 Resp: 16978

Ion Ratio Lower Upper

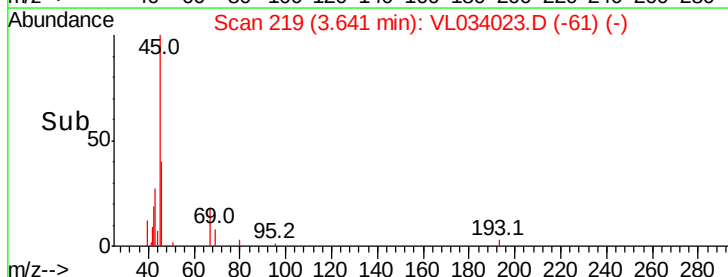
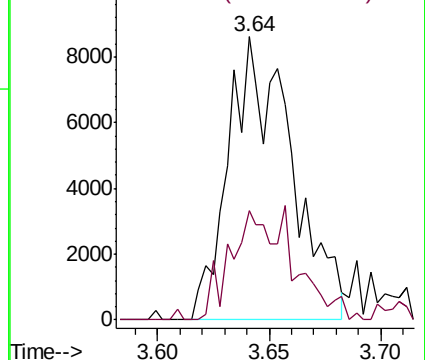
45 100

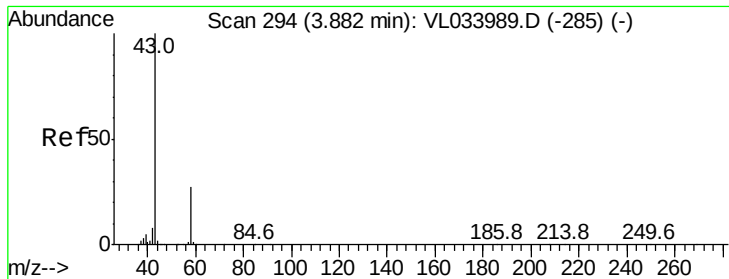
46 0.0 16.2 64.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.645 ppbv

RT: 3.88 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL2

Tot Ion: 43 Resp: 109291

Ion Ratio Lower Upper

43 100

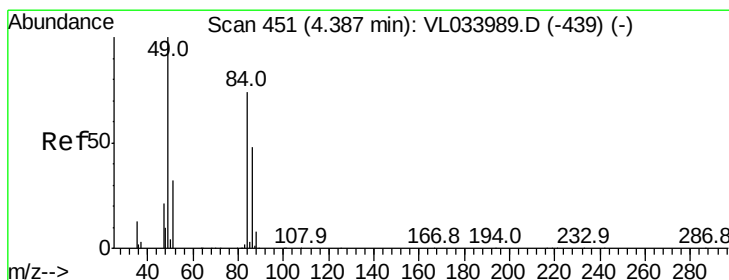
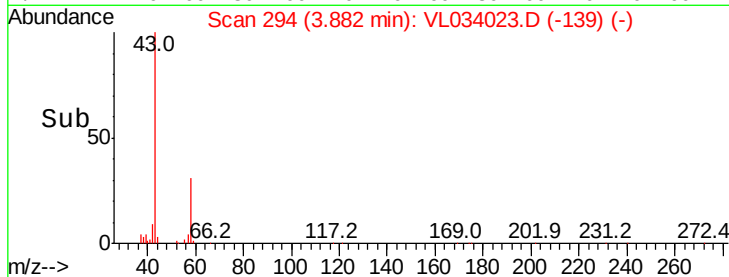
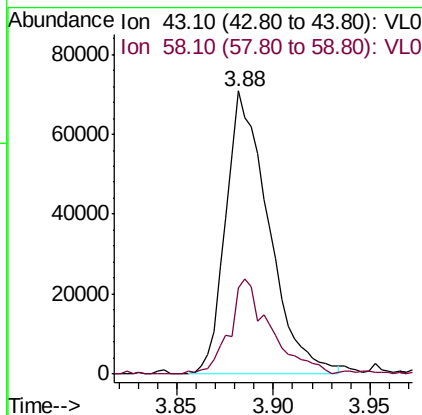
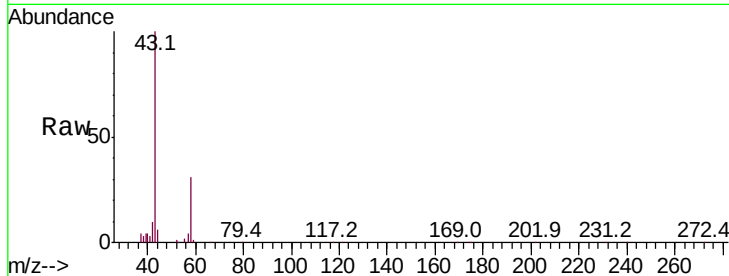
58 32.8 21.4 32.0#

Manual Integrations

APPROVED

MMDadoda

7/12/2019 10:47:02 PM



#20

Methylene Chloride

Concen: 0.767 ppbv

RT: 4.38 min Scan# 449

Delta R.T. -0.01 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

Tgt Ion: 84 Resp: 56691

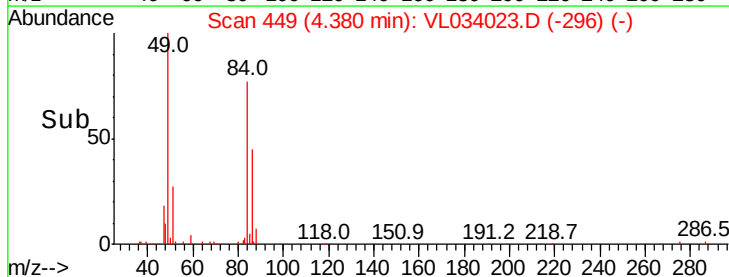
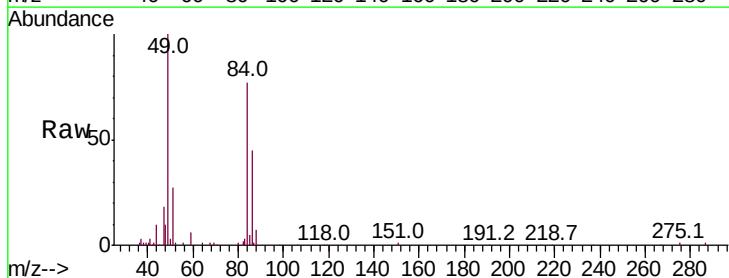
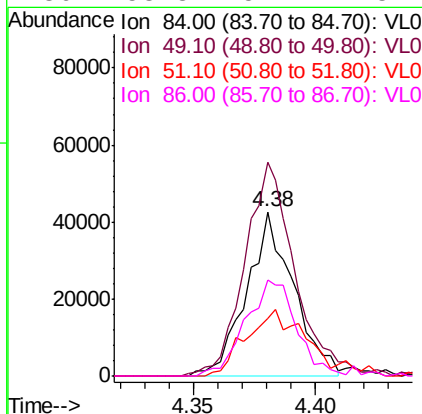
Ion Ratio Lower Upper

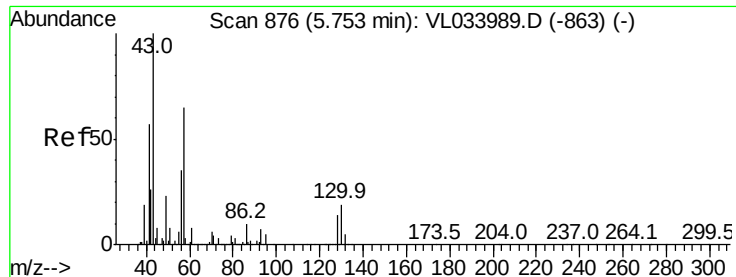
84 100

49 128.6 107.6 161.4

51 35.3 35.0 52.6

86 58.3 52.1 78.1





#26

Hexane

Concen: 0.193 ppbv m

RT: 5.74 min Scan# 871

Delta R.T. -0.02 min

Lab File: VL034023.D

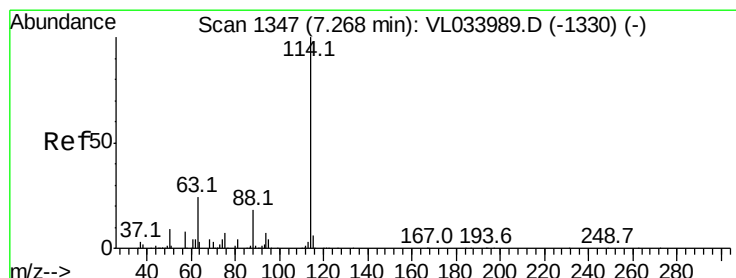
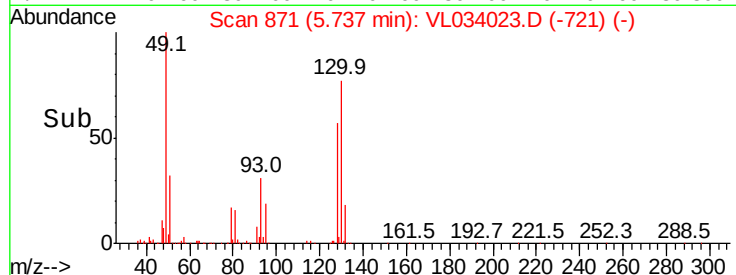
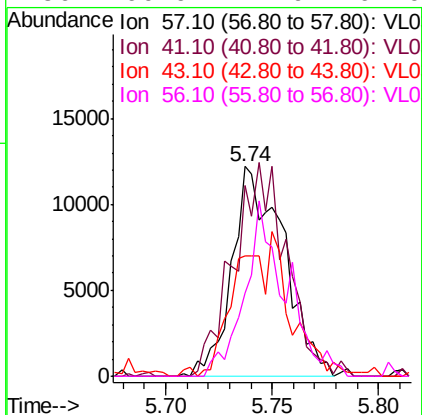
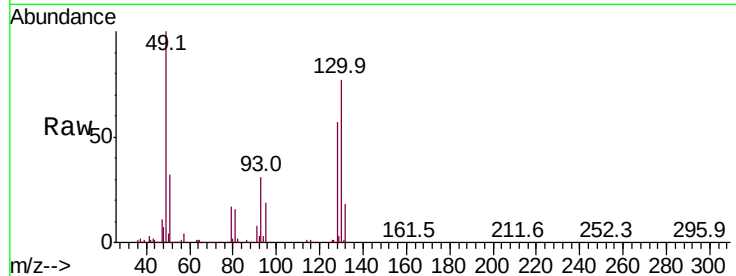
Acq: 11 Jul 2019 18:39

Instrument :
MSVOA_L
ClientSampleId :
SVS-1DL2

Tot Ion	57	Resp	20502
Ion	Ratio	Lower	Upper
57	100		
41	105.4	70.6	105.8
43	72.8	177.6	266.4#
56	66.9	42.6	64.0#

Manual Integrations
APPROVED

MMDadoda
7/12/2019 10:47:02 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

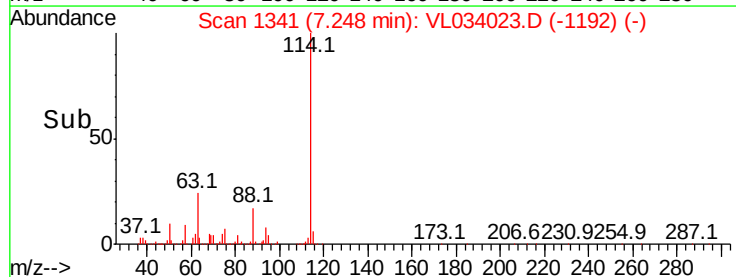
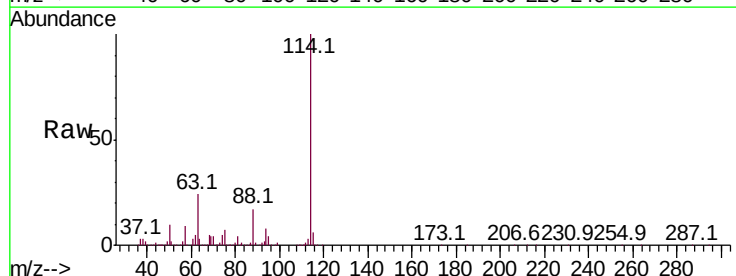
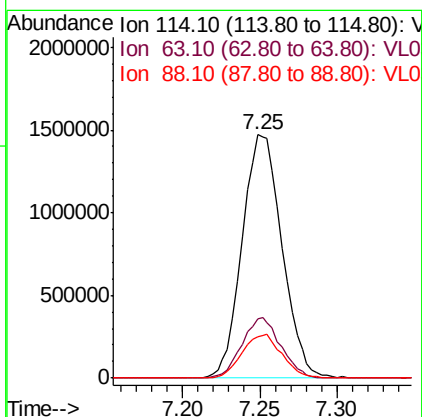
RT: 7.25 min Scan# 1341

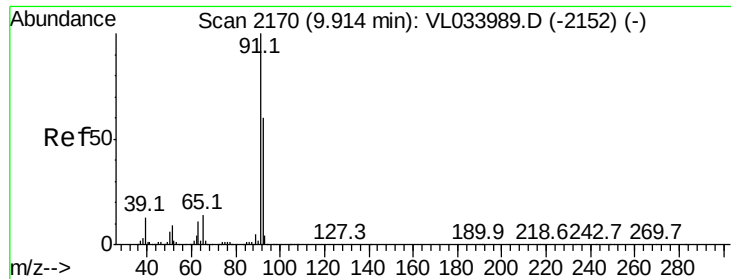
Delta R.T. -0.02 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

Tgt Ion	114	Resp	2646793
Ion	Ratio	Lower	Upper
114	100		
63	24.2	20.2	30.2
88	17.9	14.1	21.1





#53

Toluene

Concen: 0.144 ppbv m

RT: 9.90 min Scan# 2166

Delta R.T. -0.01 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL2

Tot Ion: 91 Resp: 34167

Ion Ratio Lower Upper

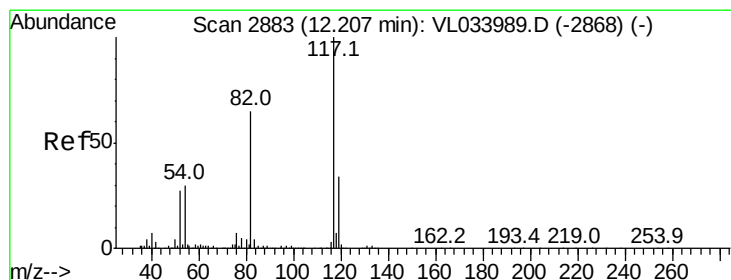
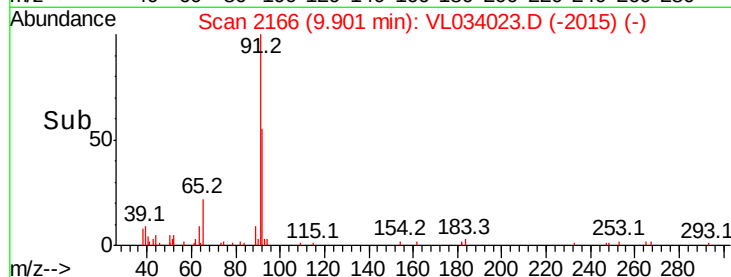
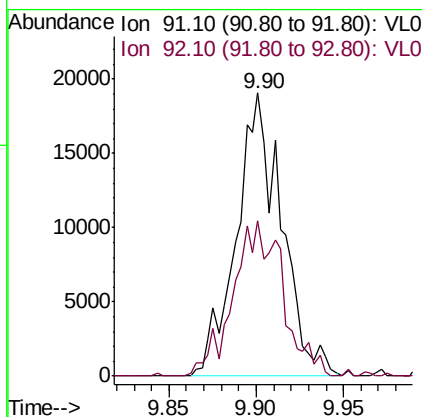
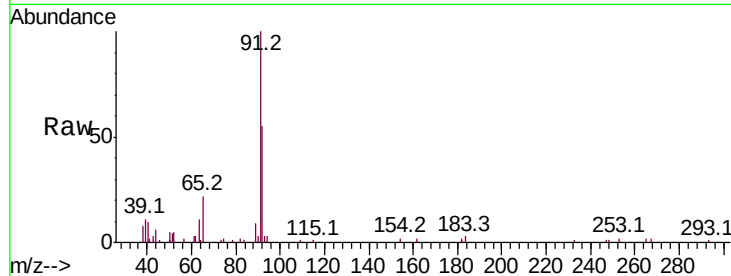
91 100

92 0.0 47.7 71.5#

Manual Integrations
APPROVED

MMDadoda

7/12/2019 10:47:02 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2879

Delta R.T. -0.01 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

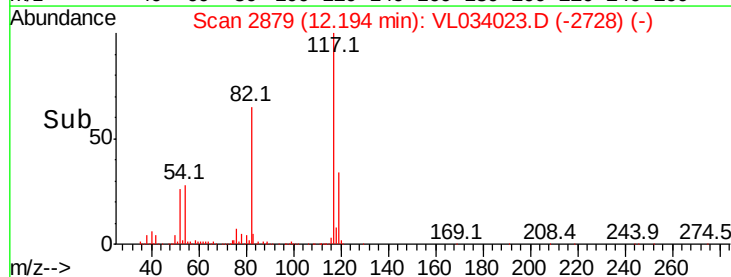
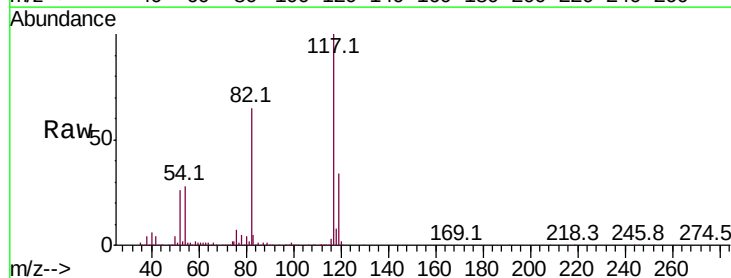
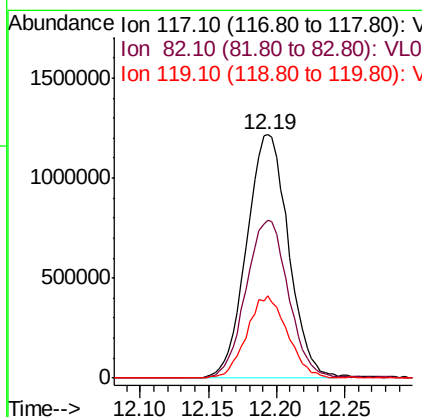
Tgt Ion: 117 Resp: 2597510

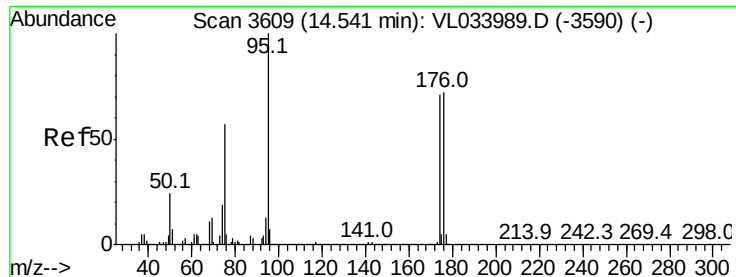
Ion Ratio Lower Upper

117 100

82 66.3 50.8 76.2

119 33.0 24.0 36.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.234 ppbv

RT: 14.53 min Scan# 3605

Delta R.T. -0.01 min

Lab File: VL034023.D

Acq: 11 Jul 2019 18:39

Instrument :

MSVOA_L

ClientSampleId :

SVS-1DL2

Tot Ion: 95 Resp: 2045704

Ion Ratio Lower Upper

95 100

174 73.6 60.5 90.7

175 5.2 4.0 6.0

Manual Integrations

APPROVED

MMDadoda

7/12/2019 10:47:02 PM

