

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110718\
 Data File : VL032722.D
 Acq On : 7 Nov 2018 18:19
 Operator : SY/AP
 Sample : J5823-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01DL

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:30:09 PM

Quant Time: Nov 12 00:55:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1492992	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3693930	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3623999	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2778884	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	22675	0.472	ppbv	91
13) Ethanol	3.67	45	12240m	0.891	ppbv	
15) Acetone	3.93	43	116111m	0.842	ppbv	
20) Methylene Chloride	4.42	84	32963m	0.471	ppbv	
26) Hexane	5.79	57	38369	0.256	ppbv #	45
36) Benzene	7.01	78	45291	0.151	ppbv	97
53) Toluene	9.96	91	358816	1.044	ppbv	96
59) m/p-Xylene	13.13	91	83116m	0.222	ppbv	

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

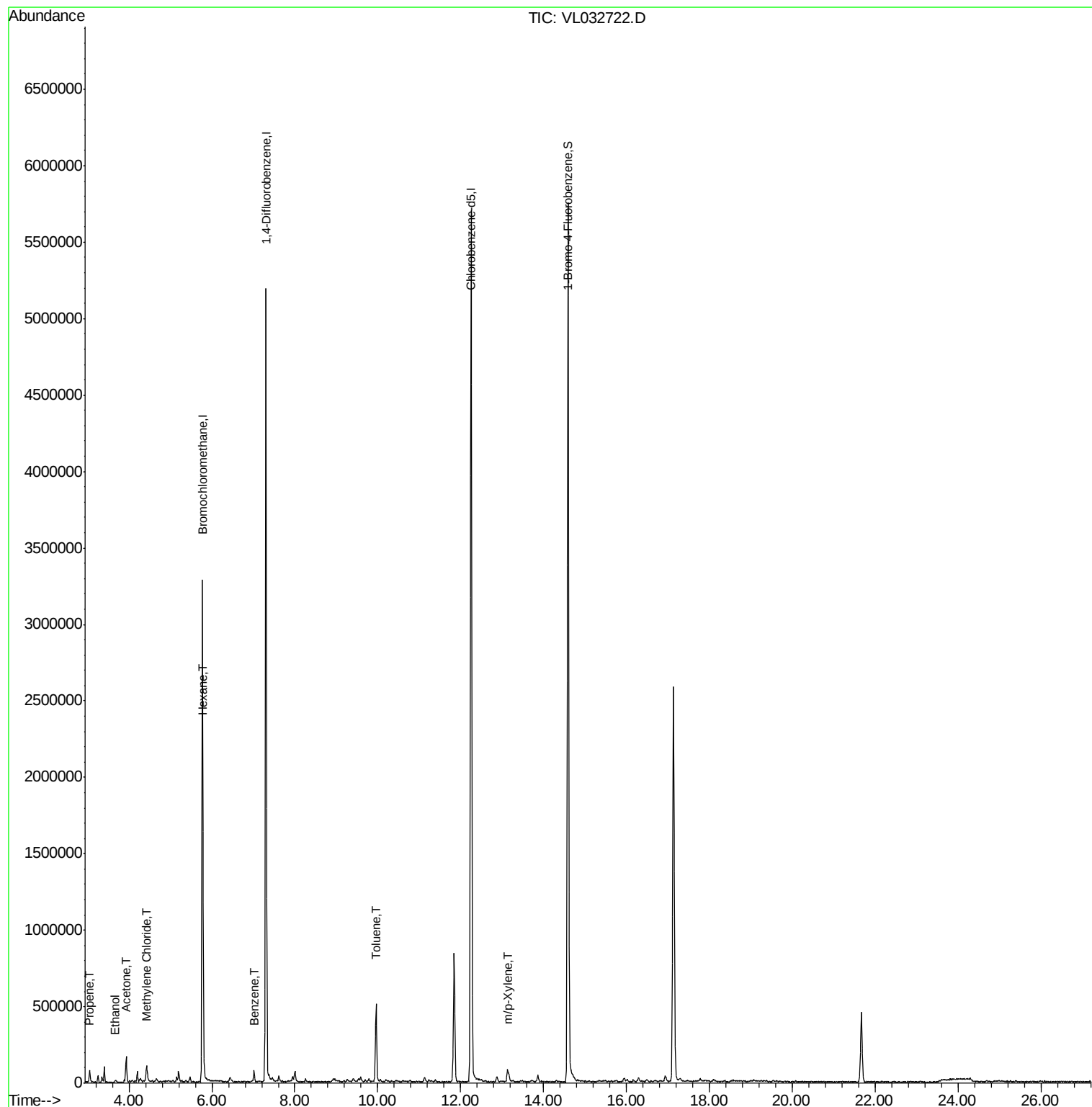
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110718\
Data File : VL032722.D
Acq On : 7 Nov 2018 18:19
Operator : SY/AP
Sample : J5823-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

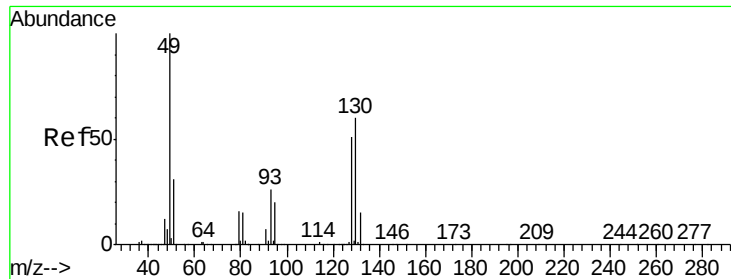
Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:09 PM

Quant Time: Nov 12 00:55:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032722.D

Acq: 7 Nov 2018 18:19

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion: 49 Resp: 1492992

Ion Ratio Lower Upper

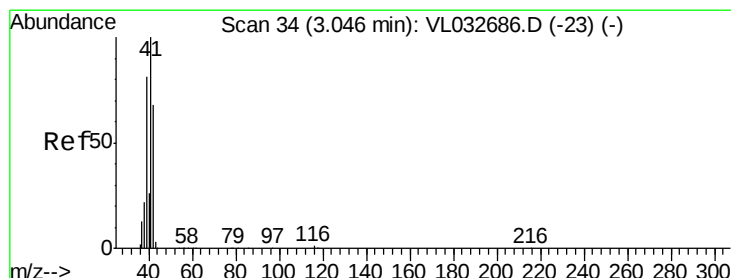
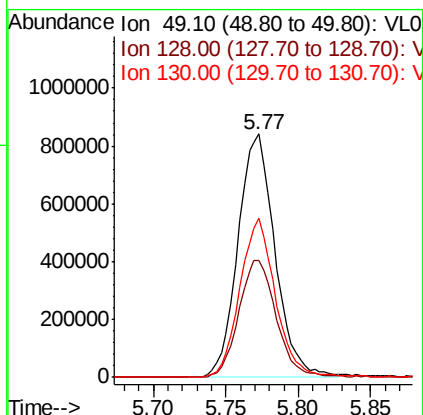
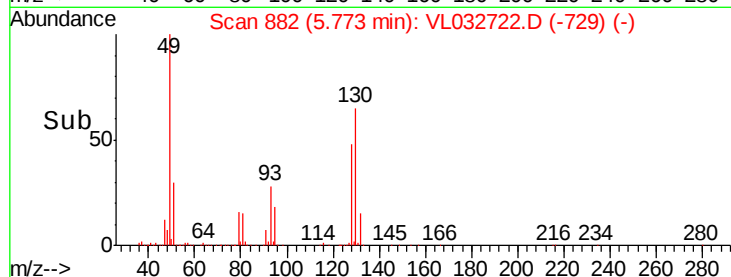
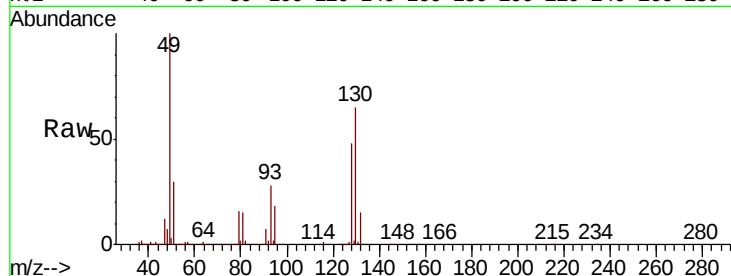
49 100

128 49.3 22.3 66.8

130 63.2 28.4 85.3

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:09 PM



#9

Propene

Concen: 0.472 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032722.D

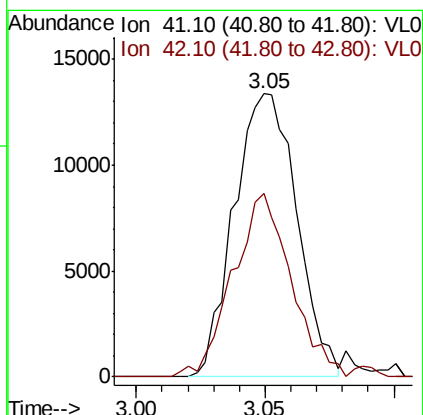
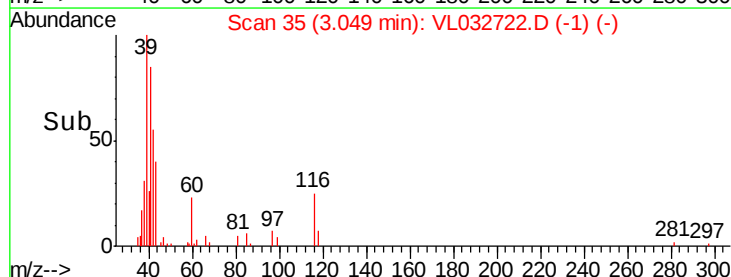
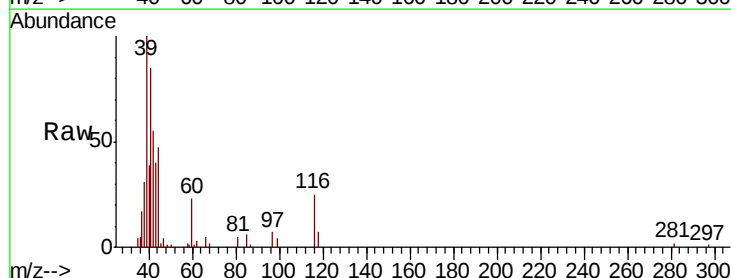
Acq: 7 Nov 2018 18:19

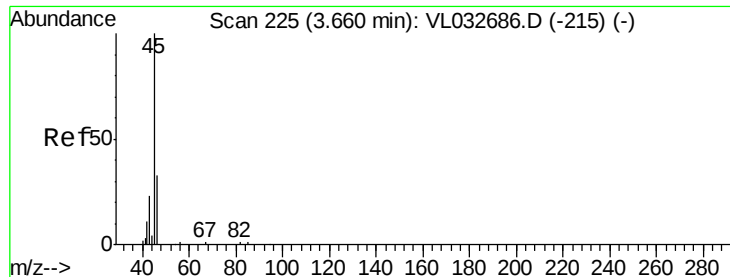
Tgt Ion: 41 Resp: 22675

Ion Ratio Lower Upper

41 100

42 61.5 55.4 83.0





#13

Ethanol

Concen: 0.891 ppbv m

RT: 3.67 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL032722.D

Acq: 7 Nov 2018 18:19

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion: 45 Resp: 12240

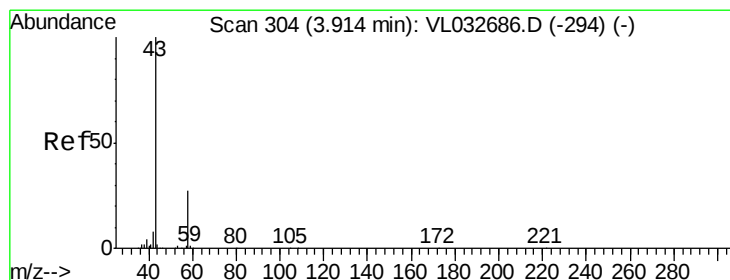
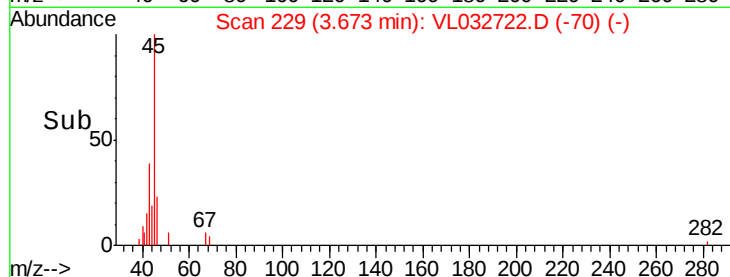
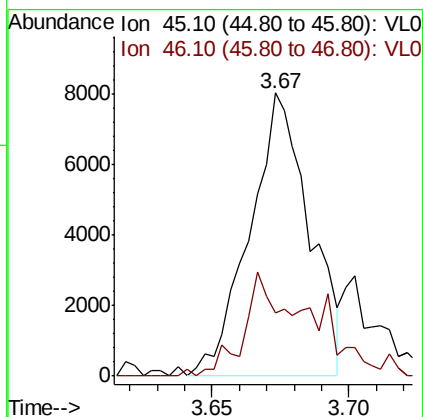
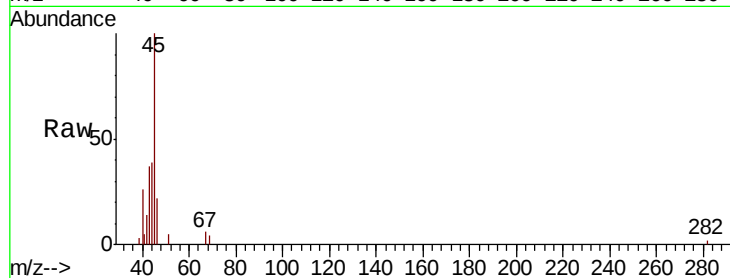
Ion Ratio Lower Upper

45 100

46 41.7 15.4 61.8

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:09 PM



#15

Acetone

Concen: 0.842 ppbv m

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032722.D

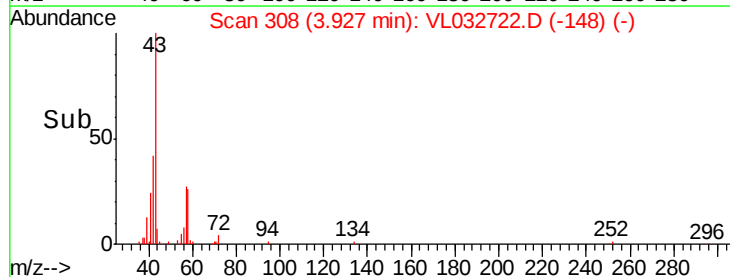
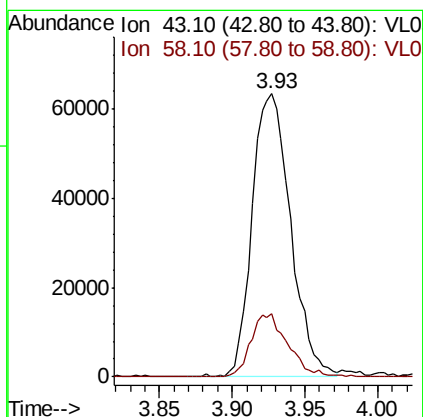
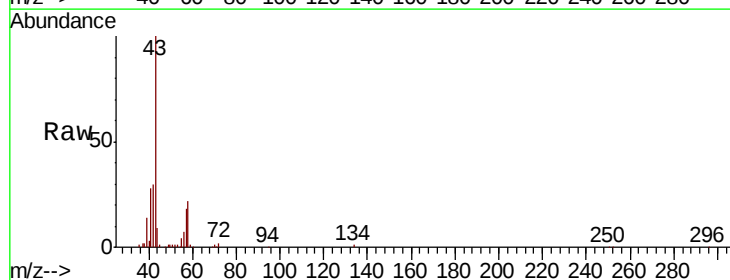
Acq: 7 Nov 2018 18:19

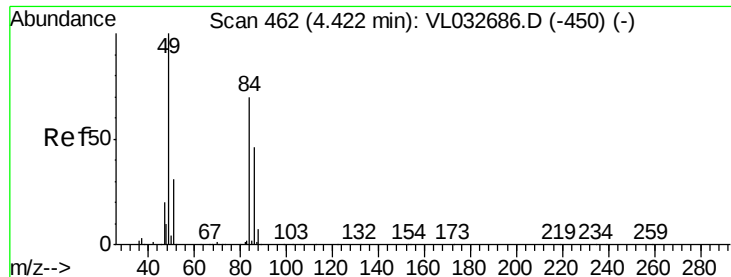
Tgt Ion: 43 Resp: 116111

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





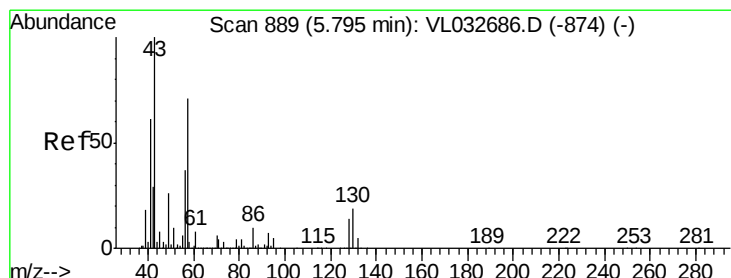
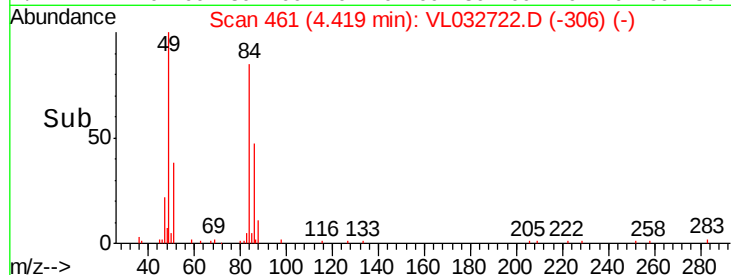
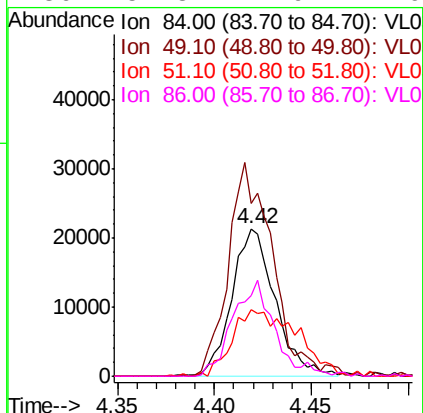
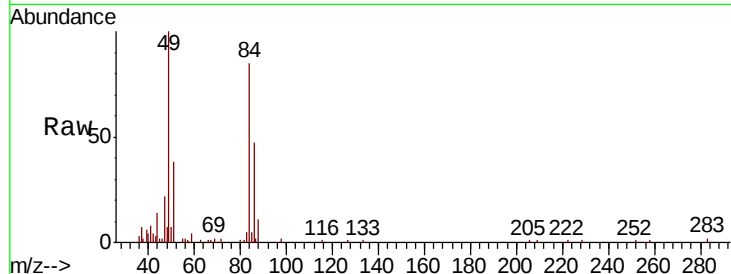
#20
Methvlene Chloride
Concen: 0.471 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL032722.D
Acq: 7 Nov 2018 18:19

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	117.5	113.5	170.3
51	44.9	34.8	52.2
86	54.8	47.9	71.9

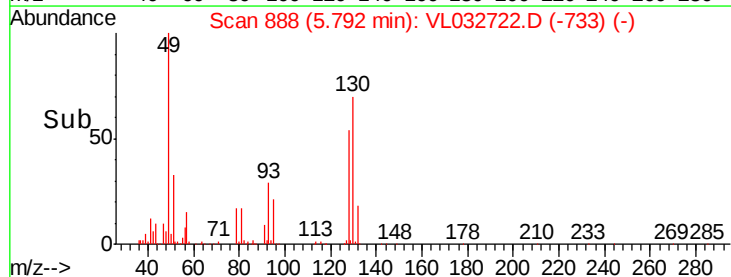
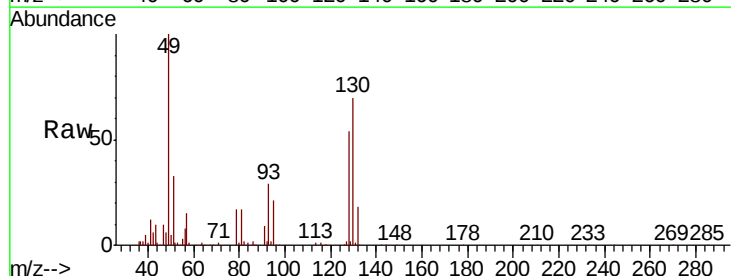
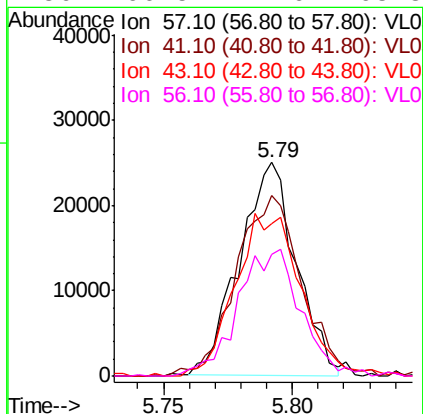
Manual Integrations
APPROVED

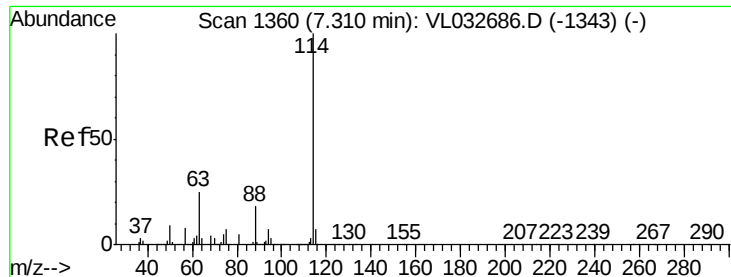
MMDadoda
11/12/2018 12:30:09 PM



#26
Hexane
Concen: 0.256 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032722.D
Acq: 7 Nov 2018 18:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.5	67.4	101.0
43	88.9	171.9	257.9#
56	66.5	42.6	63.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL032722.D

Acq: 7 Nov 2018 18:19

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion:114 Resp: 3693930

Ion Ratio Lower Upper

114 100

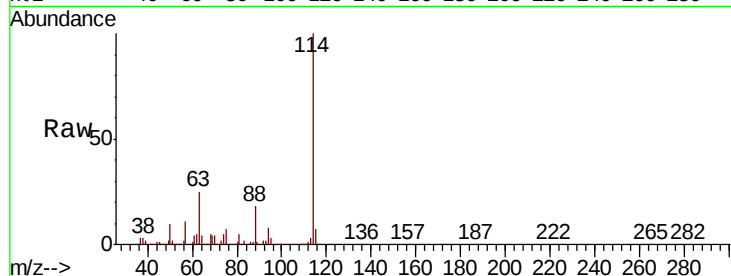
63 25.4 21.7 32.5

88 17.8 14.9 22.3

Manual Integrations
APPROVED

MMDadoda

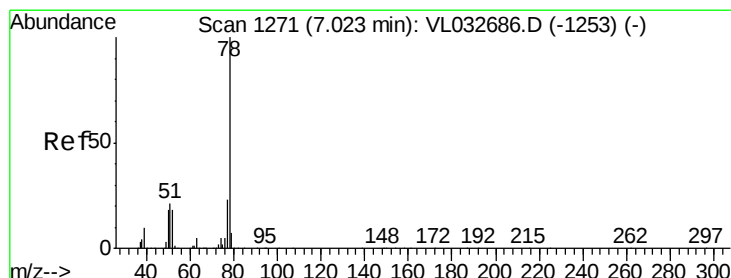
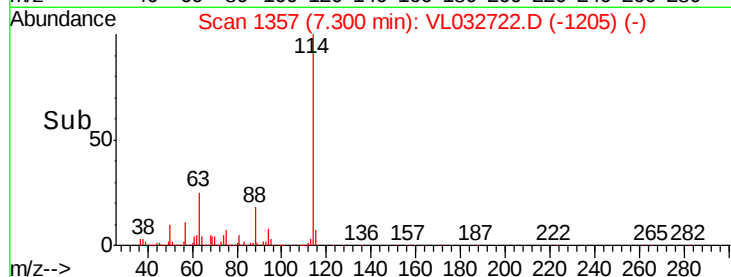
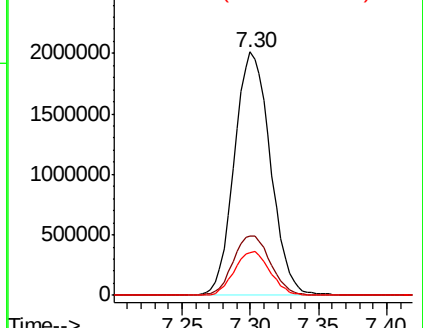
11/12/2018 12:30:09 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#36

Benzene

Concen: 0.151 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL032722.D

Acq: 7 Nov 2018 18:19

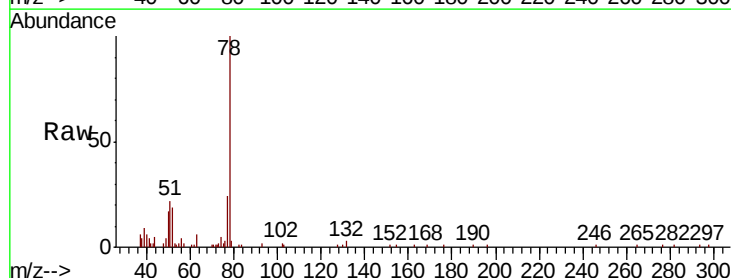
Tgt Ion: 78 Resp: 45291

Ion Ratio Lower Upper

78 100

77 24.0 18.1 27.1

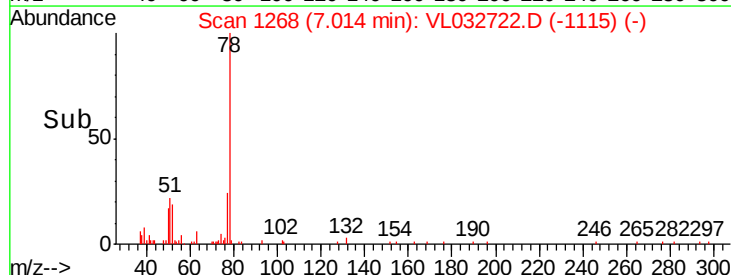
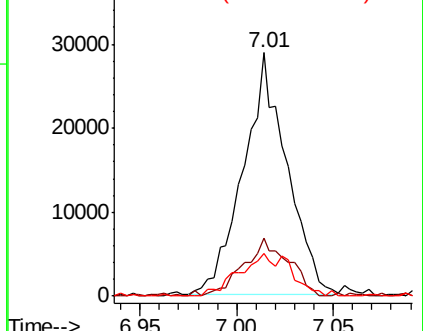
50 17.4 15.1 22.7

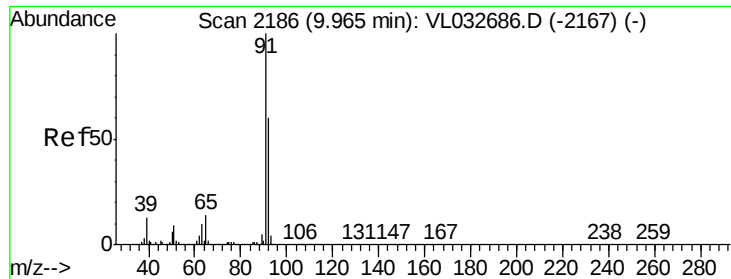


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#53

Toluene

Concen: 1.044 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032722.D

Acq: 7 Nov 2018 18:19

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion: 91 Resp: 358816

Ion Ratio Lower Upper

91 100

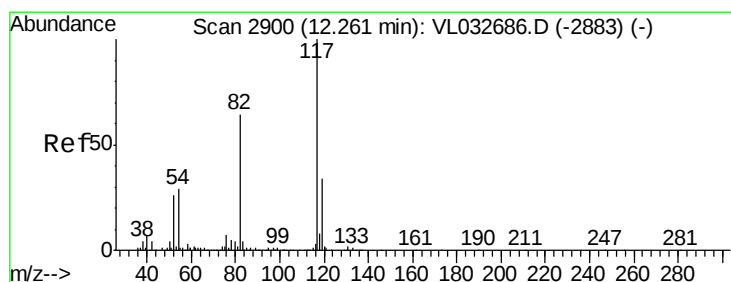
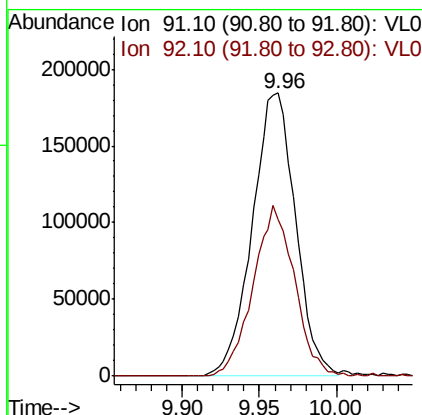
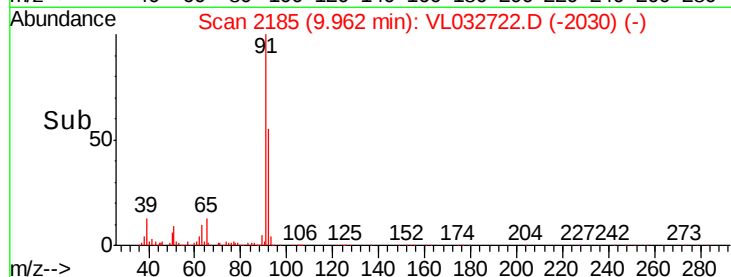
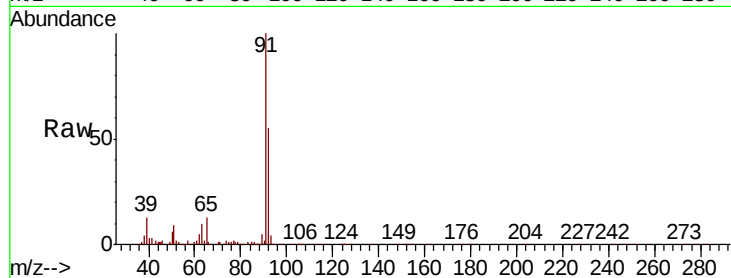
92 57.5 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:30:09 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032722.D

Acq: 7 Nov 2018 18:19

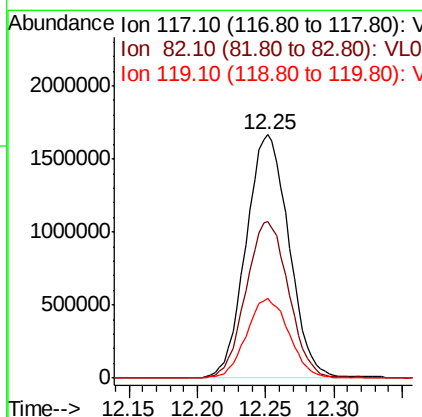
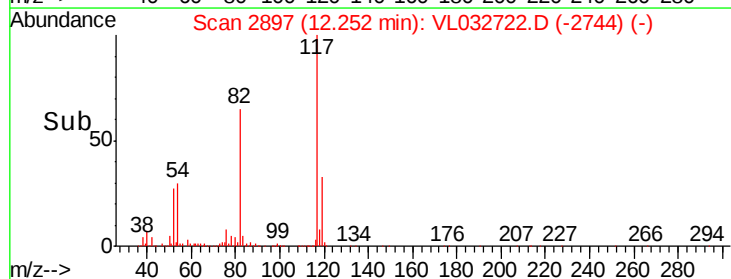
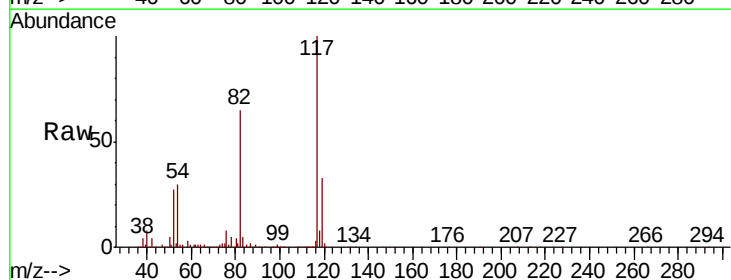
Tgt Ion: 117 Resp: 3623999

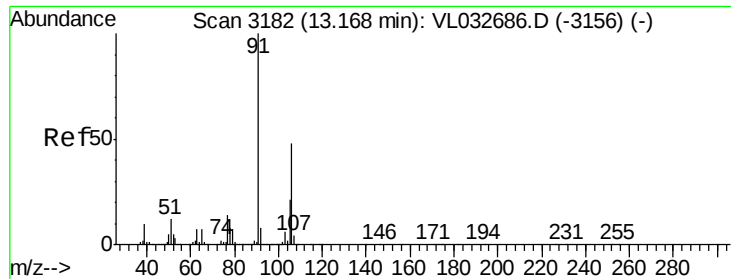
Ion Ratio Lower Upper

117 100

82 65.1 52.7 79.1

119 32.6 26.7 40.1





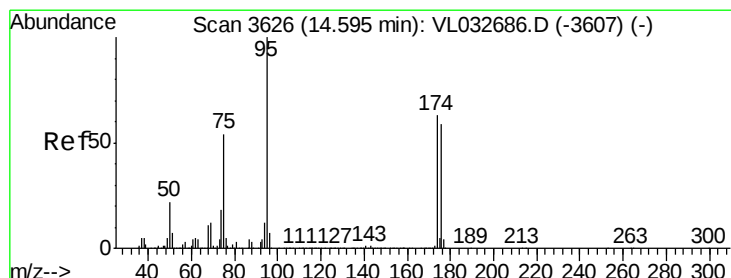
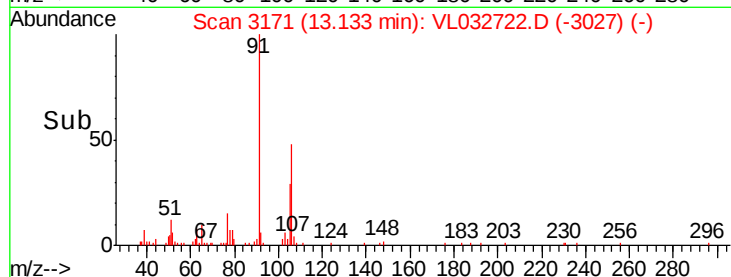
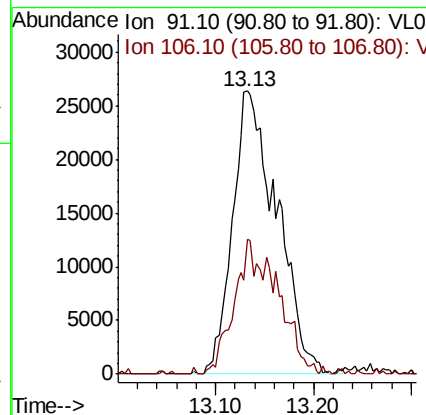
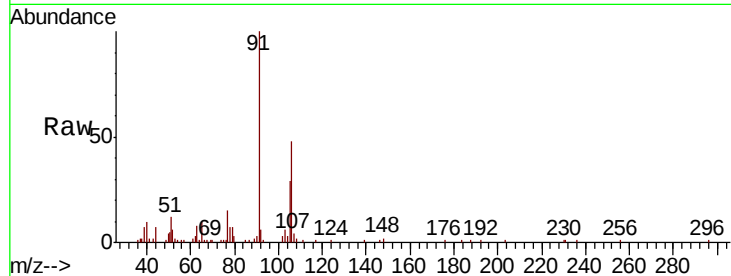
#59
m/p-Xylene
Concen: 0.222 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL032722.D
Acq: 7 Nov 2018 18:19

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion: 91 Resp: 83116
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:09 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.298 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032722.D
Acq: 7 Nov 2018 18:19

Tgt Ion: 95 Resp: 2778884
Ion Ratio Lower Upper
95 100
174 63.7 46.0 69.0
175 4.7 3.4 5.0

