

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\
 Data File : VL033190.D
 Acq On : 13 Feb 2019 17:08
 Operator : SY/AP
 Sample : K1408-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AB-IADL

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:23:47 PM

Quant Time: Feb 20 07:49:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 07:49:24 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1037171	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2356232	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2315094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1858995	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Trichlorofluoromethane	4.00	101	37782	0.235	ppbv	94
13) Ethanol	3.65	45	340012m	16.584	ppbv	
15) Acetone	3.91	43	80990	0.693	ppbv	98
20) Methylene Chloride	4.41	84	46274	0.996	ppbv	92
26) Hexane	5.78	57	50159m	0.407	ppbv	
34) 2-Butanone	5.34	43	26237	0.176	ppbv	99
53) Toluene	9.95	91	41801	0.148	ppbv	99
58) Ethyl Benzene	12.87	91	88505	0.233	ppbv	92
59) m/p-Xylene	13.12	91	300900	0.952	ppbv	98
60) o-Xylene	13.85	91	81280	0.264	ppbv	95

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

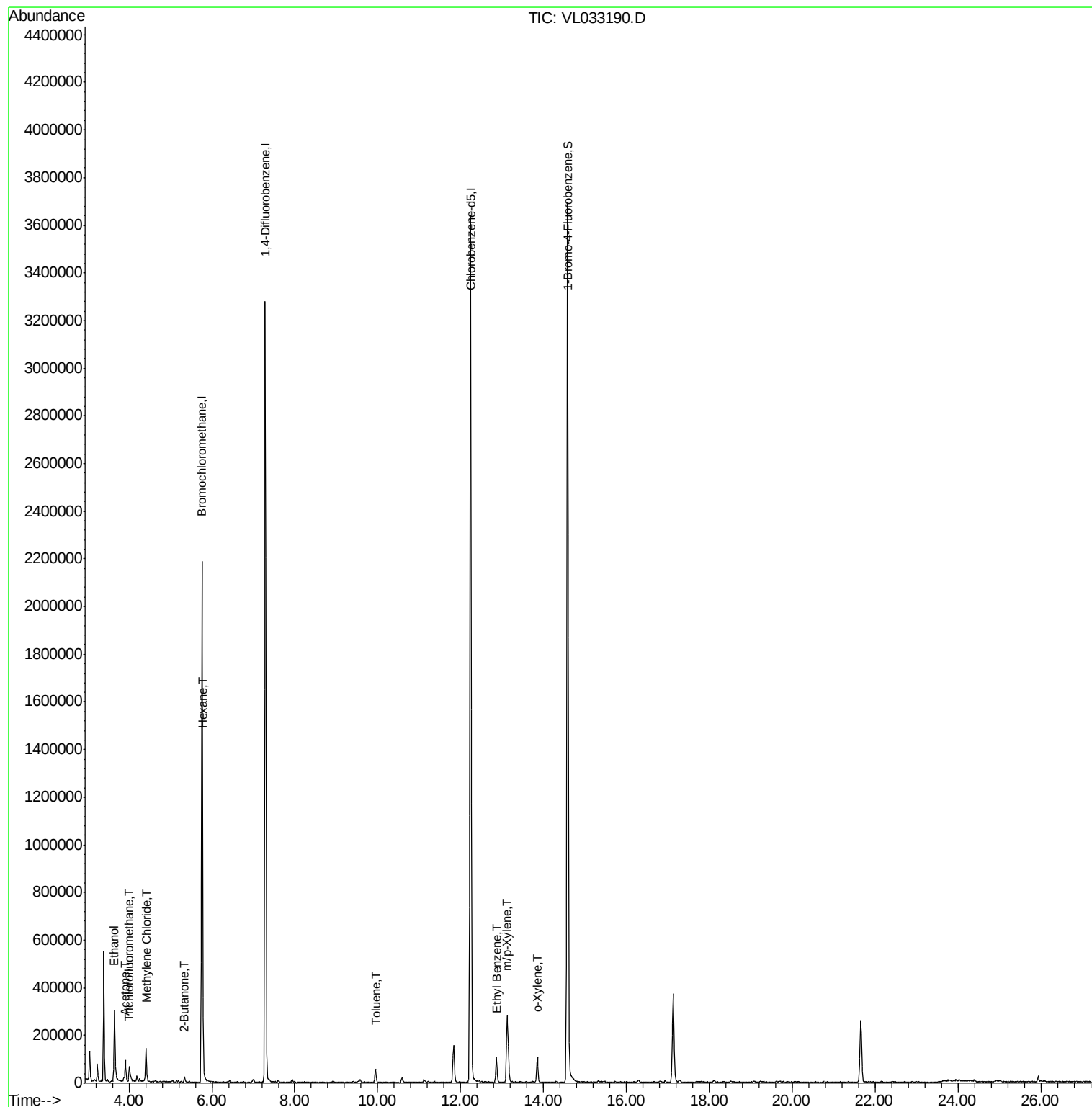
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL021319\
Data File : VL033190.D
Acq On : 13 Feb 2019 17:08
Operator : SY/AP
Sample : K1408-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

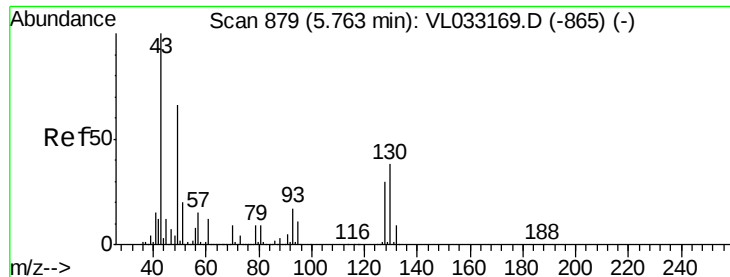
Instrument :
MSVOA_L
ClientSampleId :
AB-IADL

Manual Integrations
APPROVED

MMDadoda
2/20/2019 12:23:47 PM

Quant Time: Feb 20 07:49:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033190.D

Acq: 13 Feb 2019 17:08

Instrument :

MSVOA_L

ClientSampleId :

AB-IADL

Tgt Ion: 49 Resp: 1037171

Ion Ratio Lower Upper

49 100

128 46.2 23.6 71.0

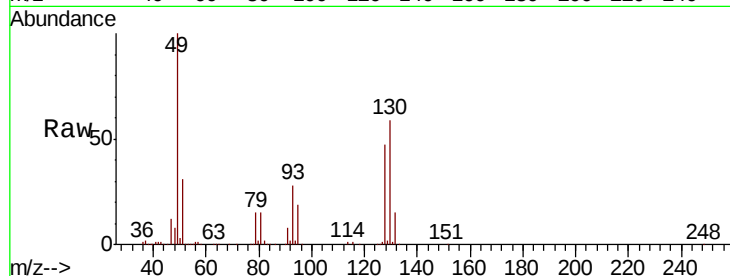
130 59.9 30.3 91.0

Manual Integrations

APPROVED

MMDadoda

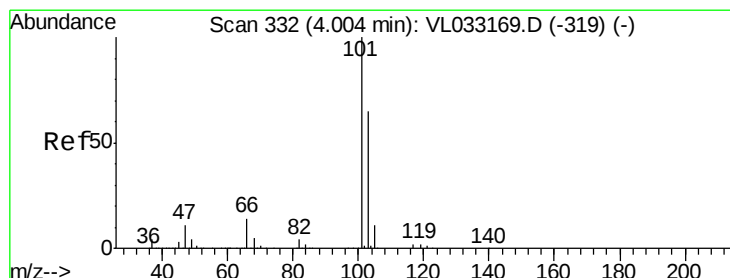
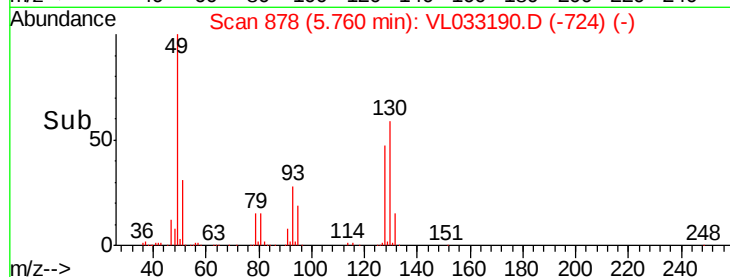
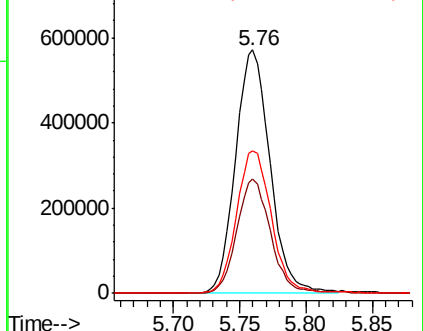
2/20/2019 12:23:47 PM



Abundance Ion 49.10 (48.80 to 49.80): VL033169.D (-865) (-)

Ion 128.00 (127.70 to 128.70): VL033169.D (-865) (-)

Ion 130.00 (129.70 to 130.70): VL033169.D (-865) (-)



#11

Trichlorofluoromethane

Concen: 0.235 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033190.D

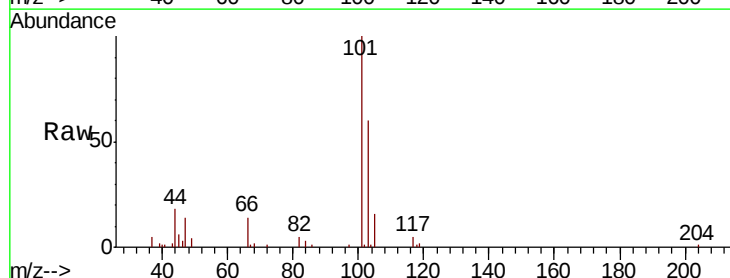
Acq: 13 Feb 2019 17:08

Tgt Ion: 101 Resp: 37782

Ion Ratio Lower Upper

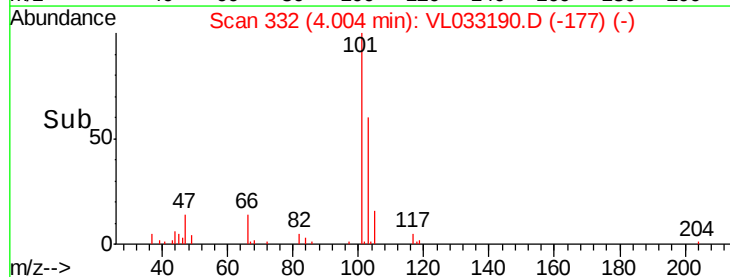
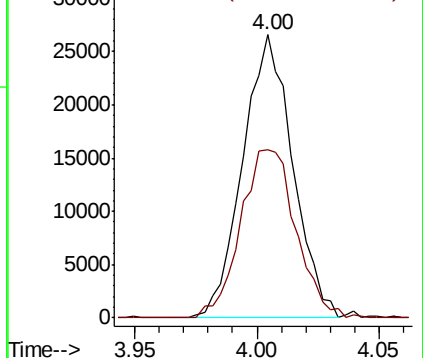
101 100

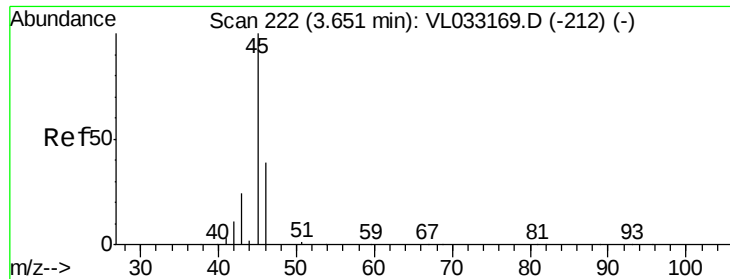
103 59.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VL033169.D (-319) (-)

Ion 103.00 (102.70 to 103.70): VL033169.D (-319) (-)





#13

Ethanol

Concen: 16.584 ppbv m

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033190.D

Acq: 13 Feb 2019 17:08

Instrument :

MSVOA_L

ClientSampleId :

AB-IADL

Tgt Ion: 45 Resp: 340012

Ion Ratio Lower Upper

45 100

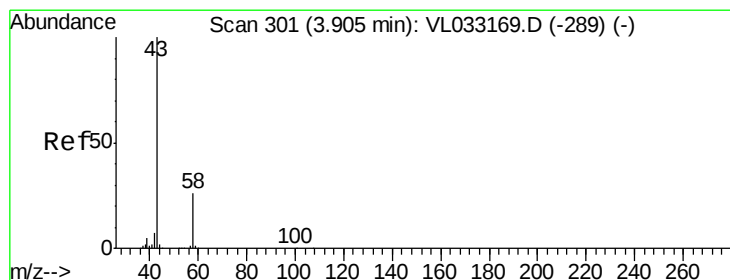
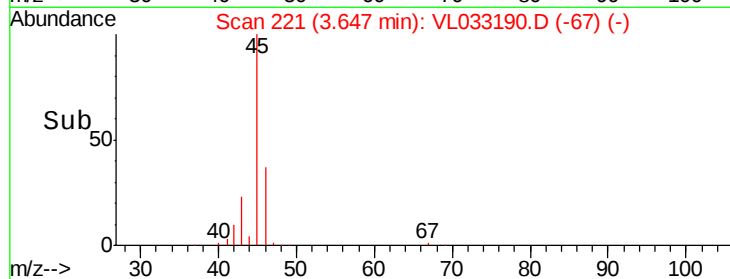
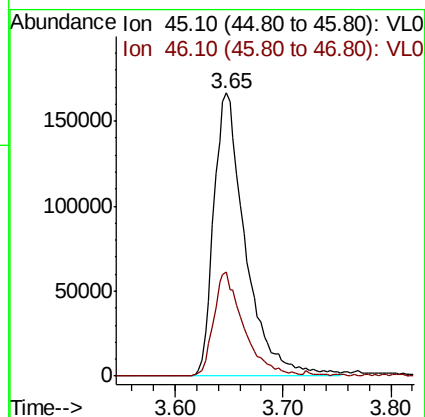
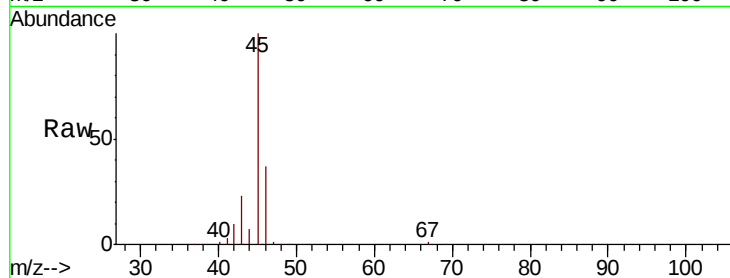
46 35.0 15.0 60.2

Manual Integrations

APPROVED

MMDadoda

2/20/2019 12:23:47 PM



#15

Acetone

Concen: 0.693 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033190.D

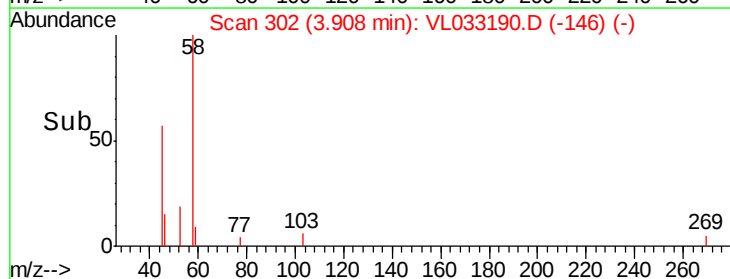
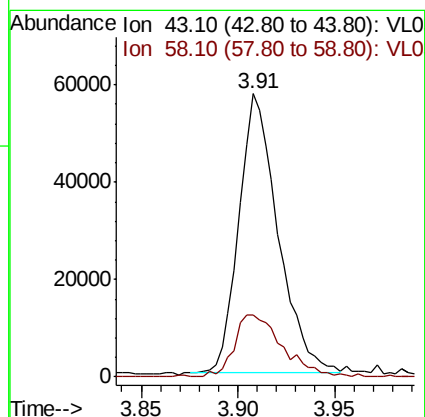
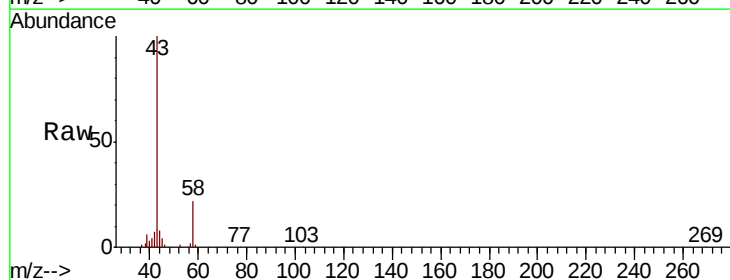
Acq: 13 Feb 2019 17:08

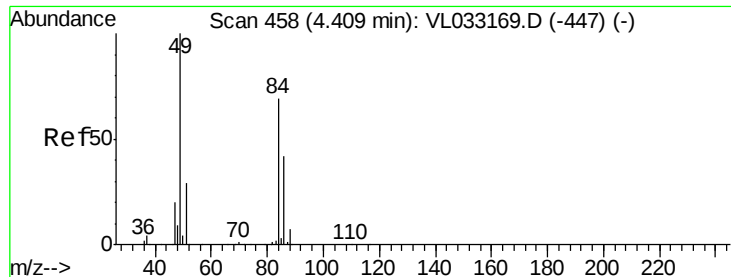
Tgt Ion: 43 Resp: 80990

Ion Ratio Lower Upper

43 100

58 27.4 21.1 31.7





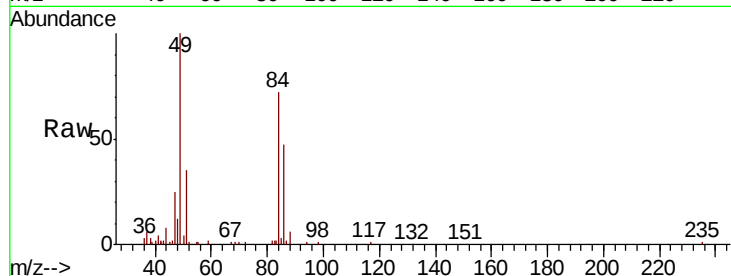
#20
Methylene Chloride
Concen: 0.996 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Instrument :
MSVOA_L
ClientSampleId :
AB-IADL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.1	115.8	173.8
51	49.3	33.0	49.6
86	67.4	48.2	72.2

Manual Integrations
APPROVED

MMDadoda
2/20/2019 12:23:47 PM



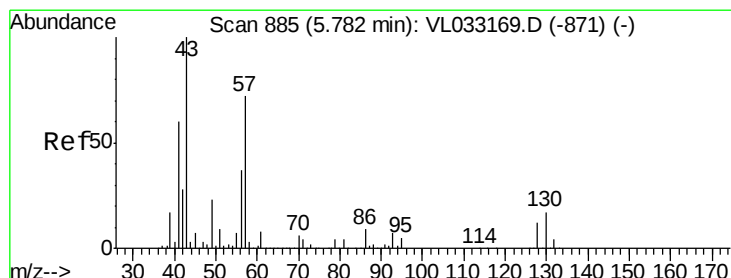
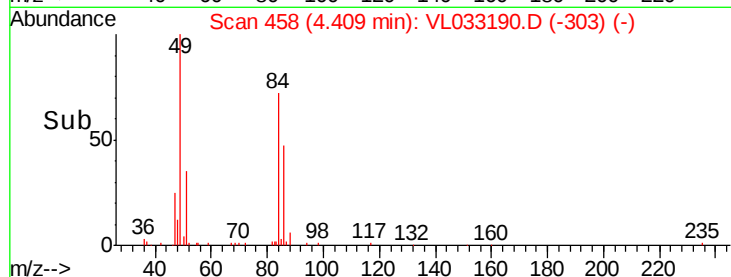
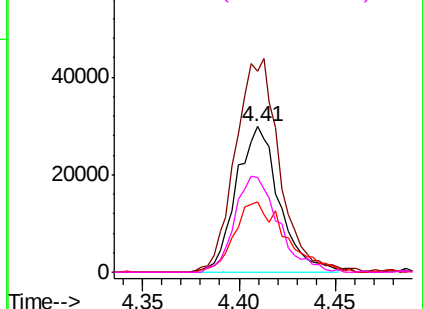
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26
Hexane
Concen: 0.407 ppbv m
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.7	69.4	104.2
43	74.1	176.7	265.1#
56	0.0	41.4	62.0#

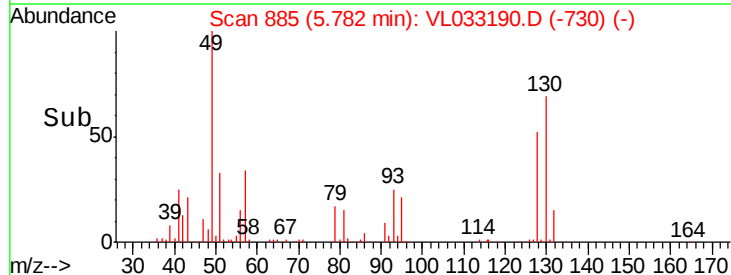
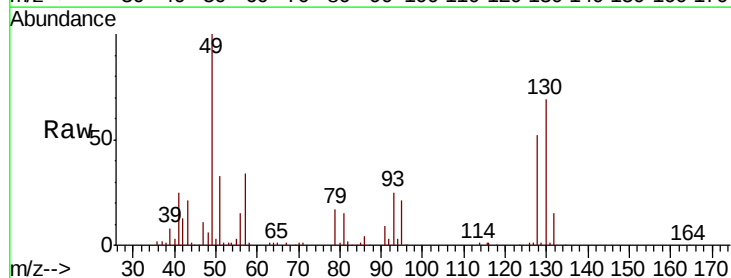
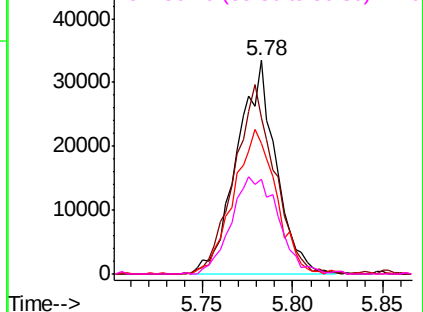
Abundance

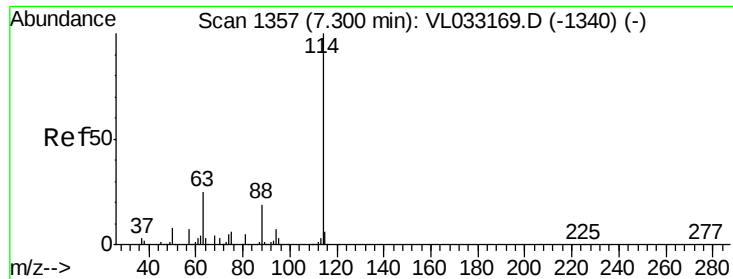
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





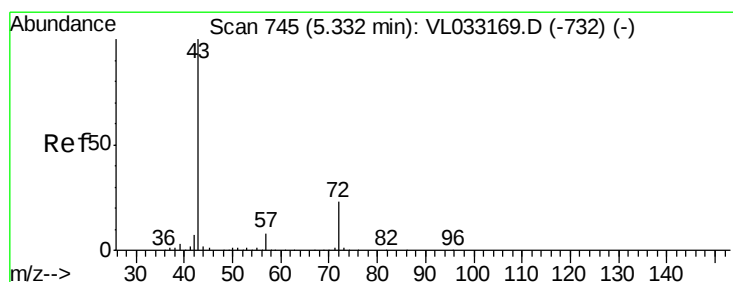
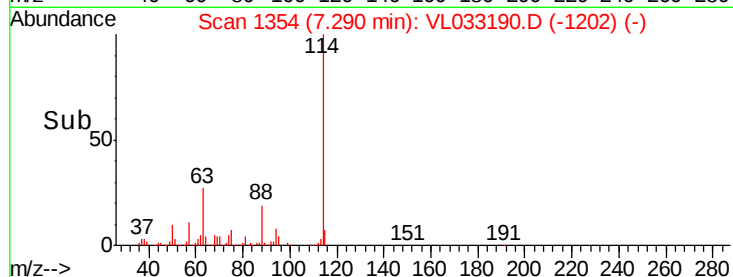
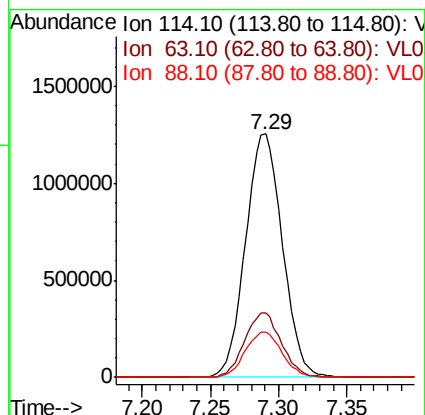
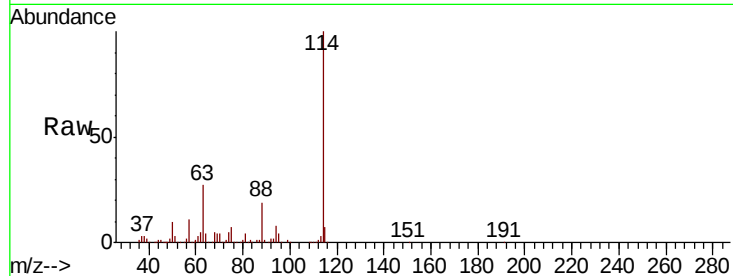
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033190.D
 Acq: 13 Feb 2019 17:08

Instrument :
 MSVOA_L
 ClientSampleId :
 AB-IADL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.8	31.2
88	18.6	14.6	22.0

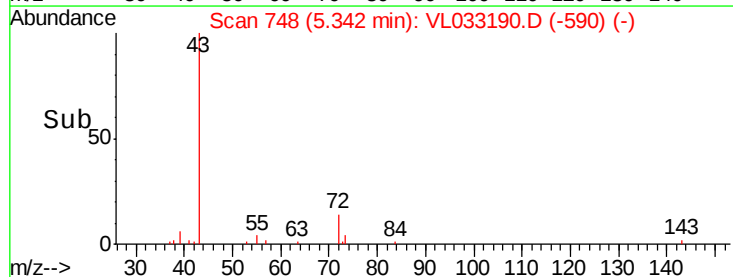
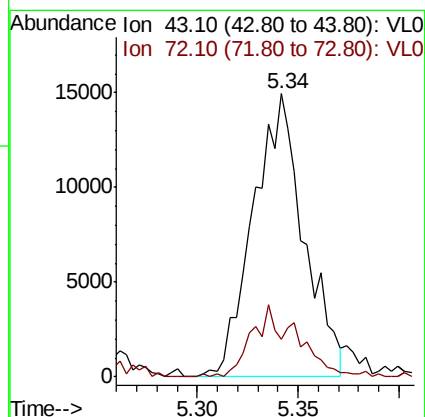
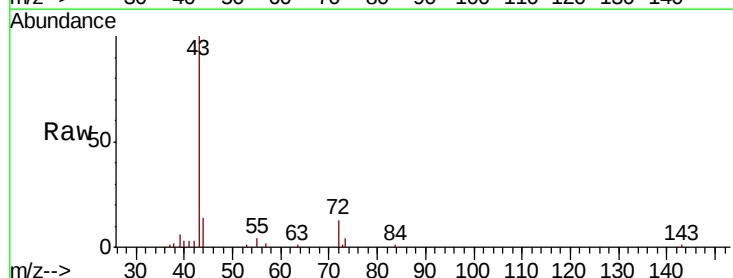
Manual Integrations
 APPROVED

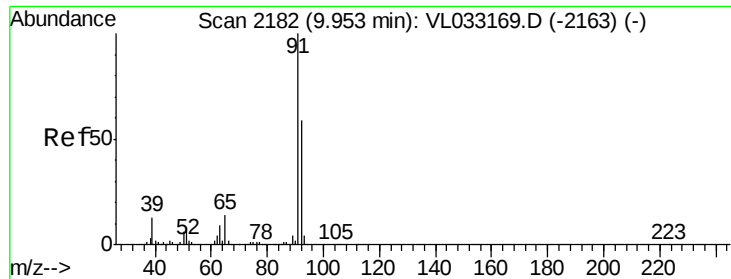
MMDadoda
 2/20/2019 12:23:47 PM



#34
 2-Butanone
 Concen: 0.176 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.01 min
 Lab File: VL033190.D
 Acq: 13 Feb 2019 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.8	26.6





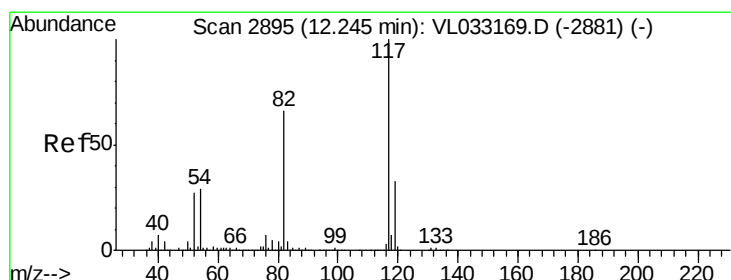
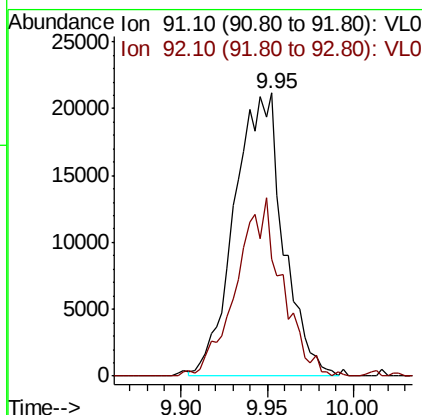
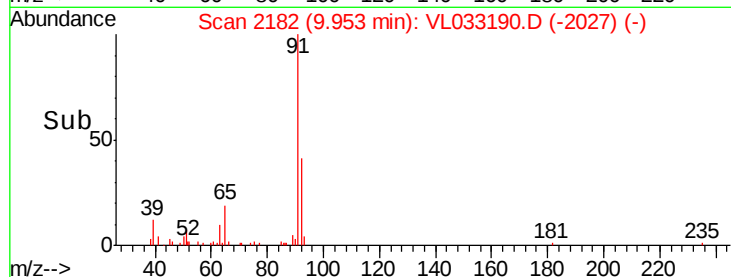
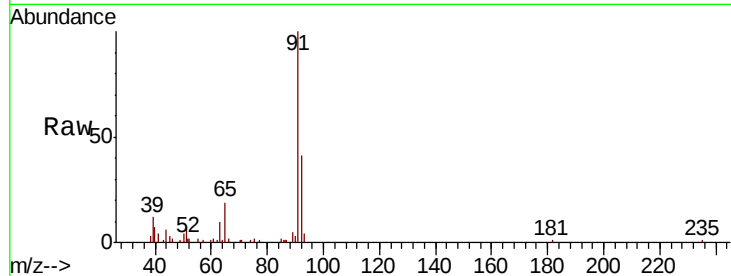
#53
Toluene
Concen: 0.148 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Instrument :
MSVOA_L
ClientSampleId :
AB-IADL

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.0	72.0

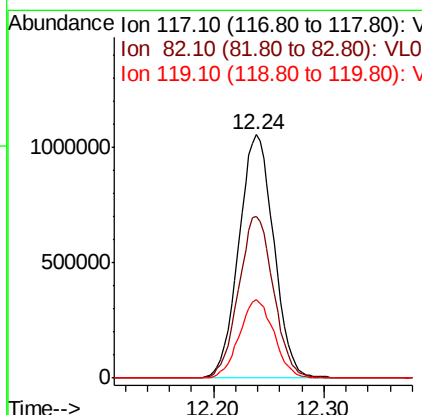
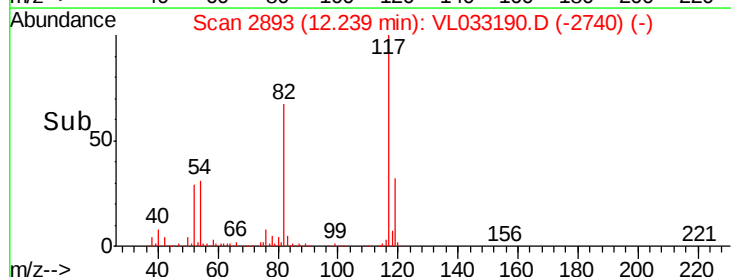
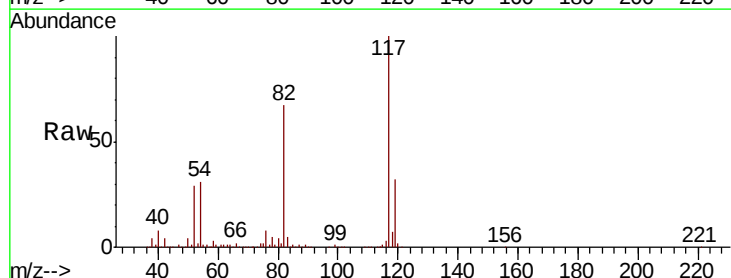
Manual Integrations
APPROVED

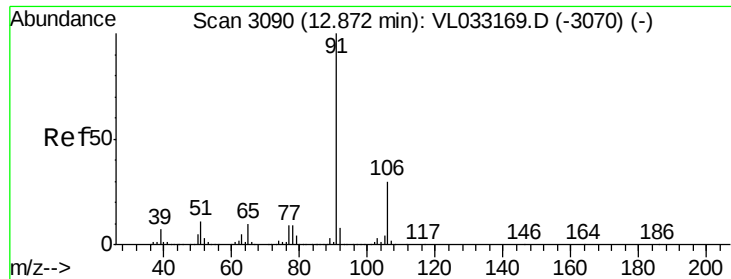
MMDadoda
2/20/2019 12:23:47 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.8	80.8
119	32.0	46.9	70.3





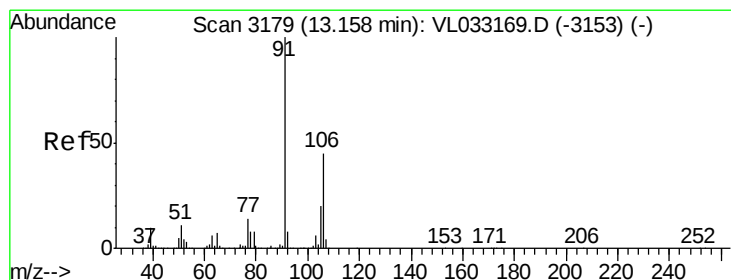
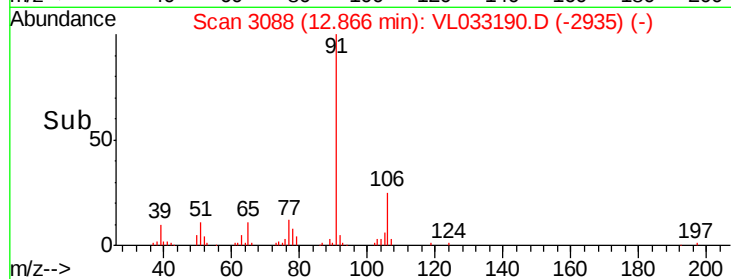
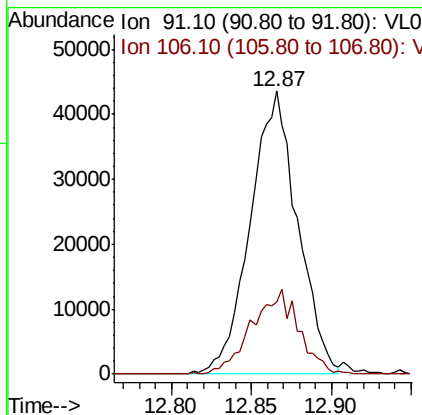
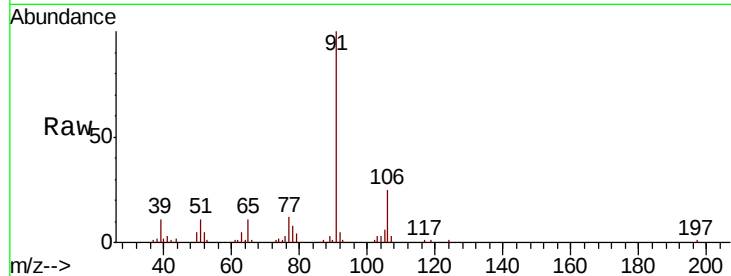
#58
Ethyl Benzene
Concen: 0.233 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Instrument :
MSVOA_L
ClientSampleId :
AB-IADL

Tgt Ion: 91 Resp: 88505
Ion Ratio Lower Upper
91 100
106 25.3 23.8 35.8

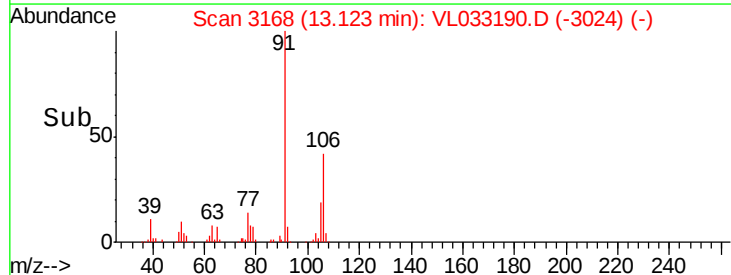
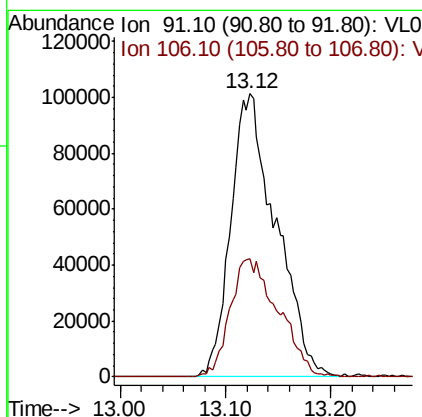
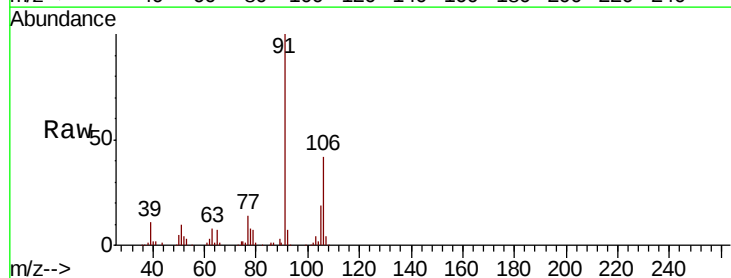
Manual Integrations
APPROVED

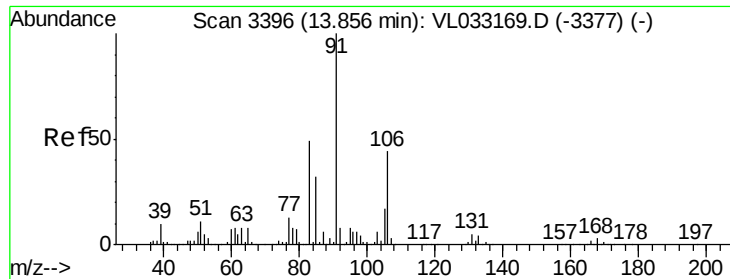
MMDadoda
2/20/2019 12:23:47 PM



#59
m/p-Xylene
Concen: 0.952 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Tgt Ion: 91 Resp: 300900
Ion Ratio Lower Upper
91 100
106 44.5 36.6 55.0





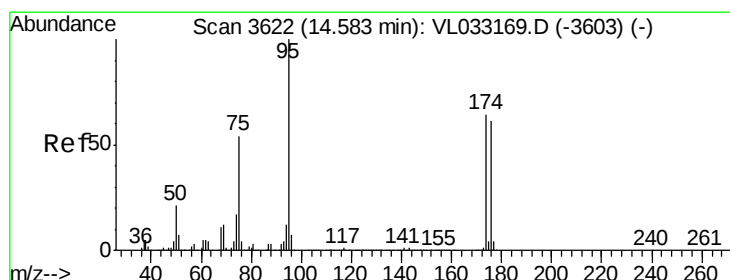
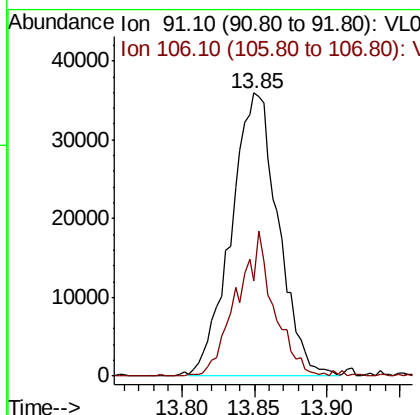
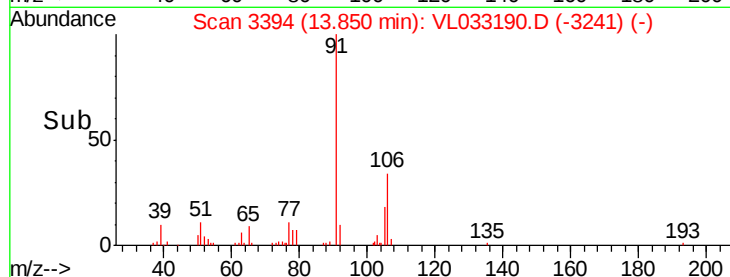
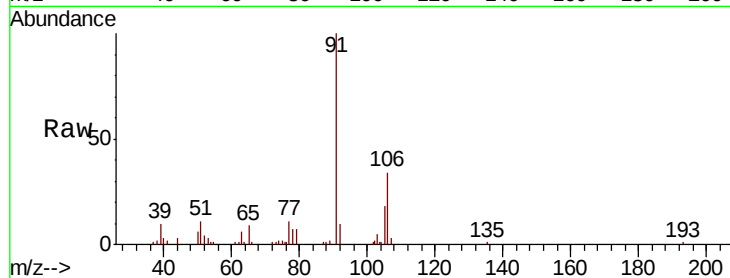
#60
o-Xylene
Concen: 0.264 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Instrument :
MSVOA_L
ClientSampleId :
AB-IADL

Tgt Ion: 91 Resp: 81280
Ion Ratio Lower Upper
91 100
106 40.4 21.8 65.3

Manual Integrations
APPROVED

MMDadoda
2/20/2019 12:23:47 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.304 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033190.D
Acq: 13 Feb 2019 17:08

Tgt Ion: 95 Resp: 1858995
Ion Ratio Lower Upper
95 100
174 64.2 51.1 76.7
175 4.6 3.8 5.6

