

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032395.D
 Acq On : 17 Aug 2018 3:02
 Operator : SY/AP
 Sample : J4457-02DL 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 3:11:58 PM

Quant Time: Aug 17 04:21:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1752065	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3596874	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3540580	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.64	95	2709438	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.09	41	61575m	0.89	ppbv	
10) Heptane	8.31	43	186097	0.89	ppbv	99
13) Ethanol	3.71	45	32645m	1.83	ppbv	
15) Acetone	3.97	43	299472	1.80	ppbv #	69
26) Hexane	5.83	57	209516	1.32	ppbv #	41
30) Cyclohexane	7.31	84	145878	1.20	ppbv #	69
36) Benzene	7.06	78	51899	0.17	ppbv	98
52) Tetrachloroethene	11.44	164	1451935	16.14	ppbv	96
53) Toluene	10.01	91	361437	1.08	ppbv	96
58) Ethyl Benzene	12.93	91	110227	0.26	ppbv	93
59) m/p-Xylene	13.19	91	312896m	0.86	ppbv	
60) o-Xylene	13.92	91	78619	0.22	ppbv	96
74) 1,2,4-Trimethylbenzene	16.99	105	82727	0.20	ppbv #	68

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

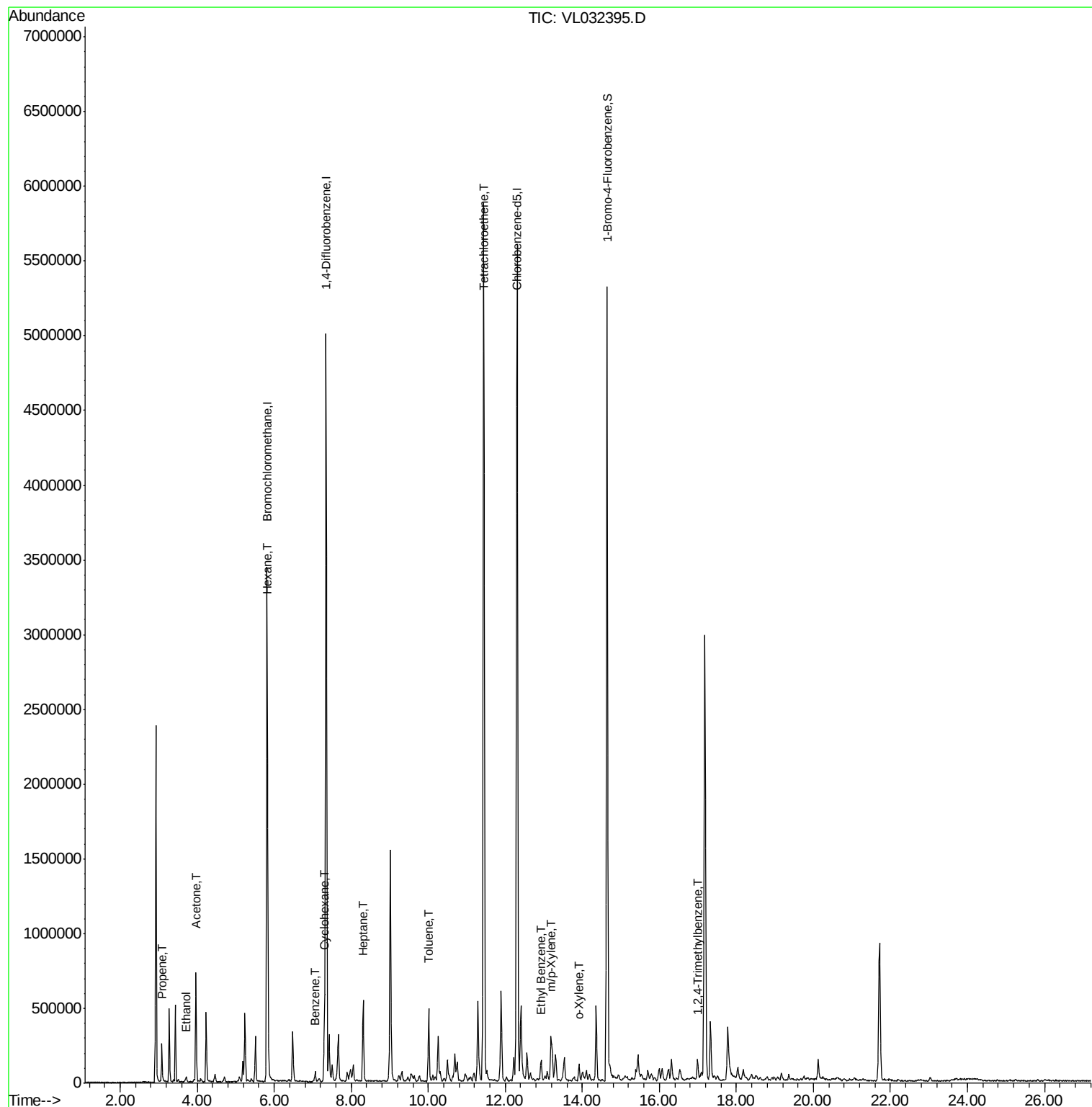
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081618\
Data File : VL032395.D
Acq On : 17 Aug 2018 3:02
Operator : SY/AP
Sample : J4457-02DL 100X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

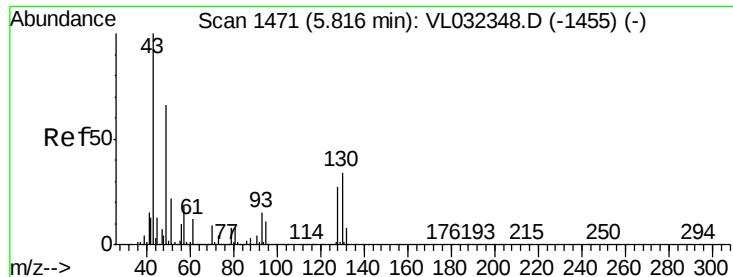
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Manual Integrations
APPROVED

MMDadoda
8/20/2018 3:11:58 PM

Quant Time: Aug 17 04:21:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

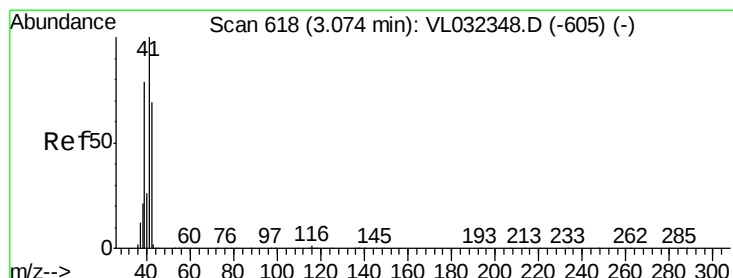
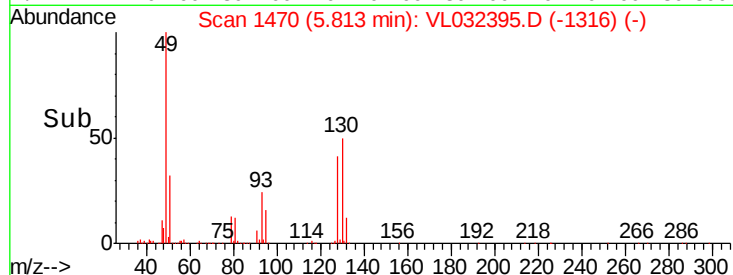
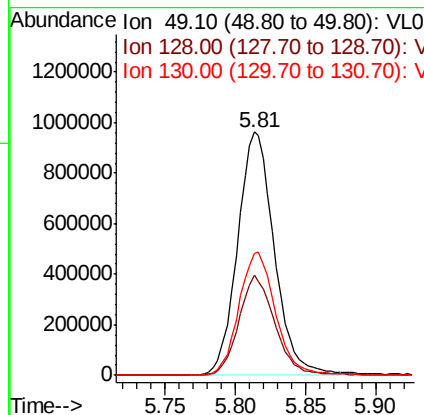
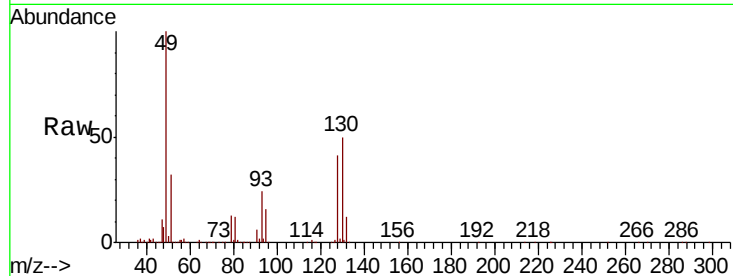
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.81 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VL032395.D
 Acq: 17 Aug 2018 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.9	20.5	61.6
130	51.5	26.2	78.5

Manual Integrations
 APPROVED

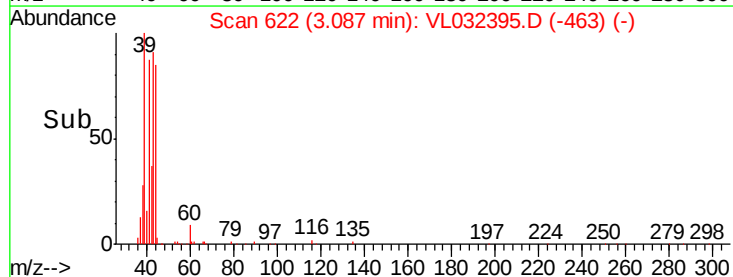
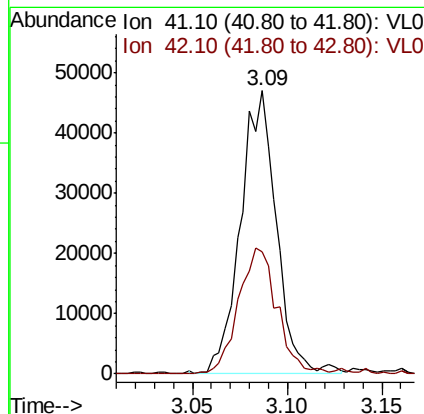
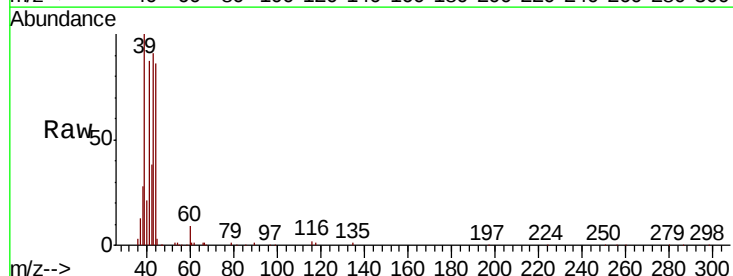
MMDadoda
 8/20/2018 3:11:58 PM

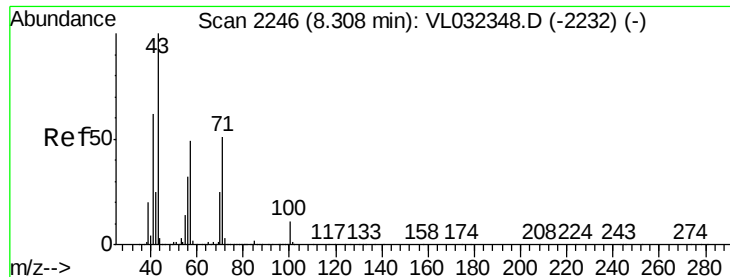


#9

Propene
 Concen: 0.89 ppbv m
 RT: 3.09 min Scan# 622
 Delta R.T. 0.01 min
 Lab File: VL032395.D
 Acq: 17 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
41	100		
42	150.6	55.9	83.9#





#10

Heptane

Concen: 0.89 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VL032395.D

Acq: 17 Aug 2018 3:02

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

Tot Ion: 43 Resp: 186097

Ion Ratio Lower Upper

43 100

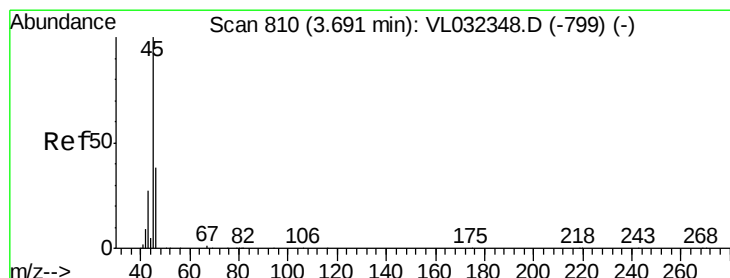
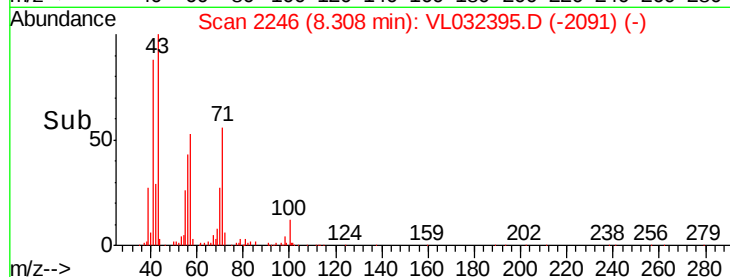
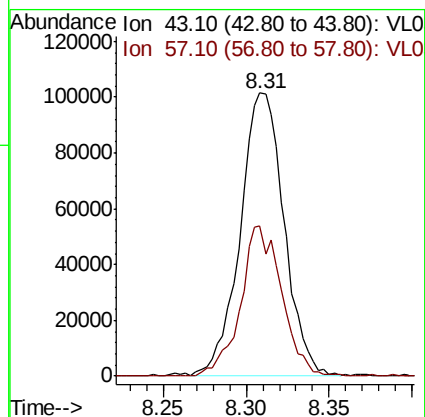
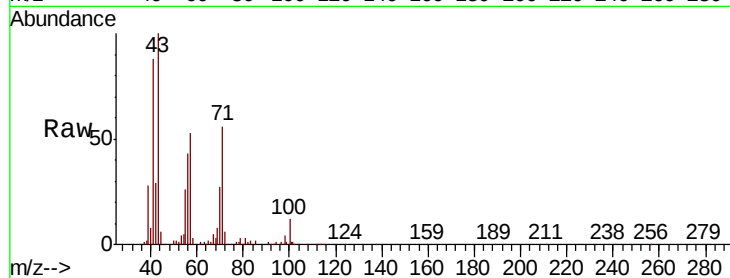
57 50.2 39.5 59.3

Manual Integrations

APPROVED

MMDadoda

8/20/2018 3:11:58 PM



#13

Ethanol

Concen: 1.83 ppbv m

RT: 3.71 min Scan# 815

Delta R.T. 0.02 min

Lab File: VL032395.D

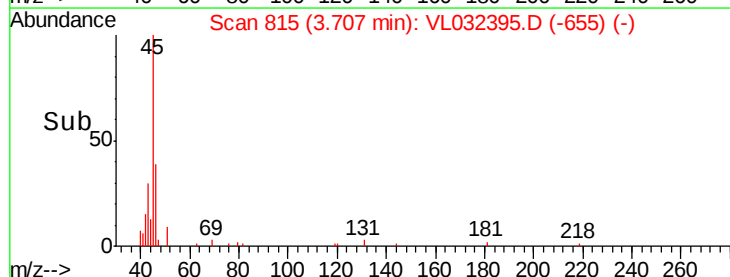
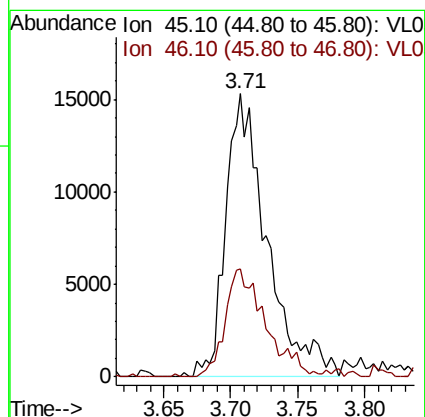
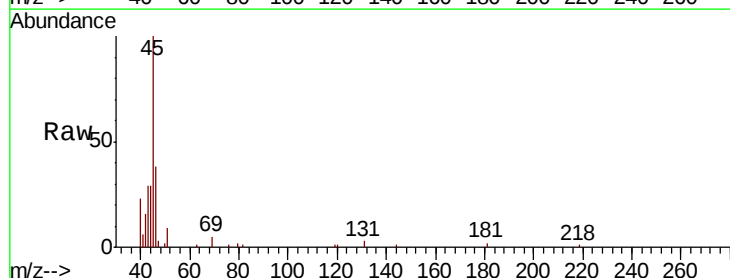
Acq: 17 Aug 2018 3:02

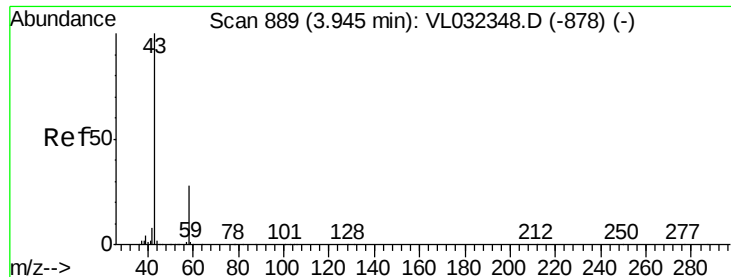
Tgt Ion: 45 Resp: 32645

Ion Ratio Lower Upper

45 100

46 0.0 15.6 62.4#





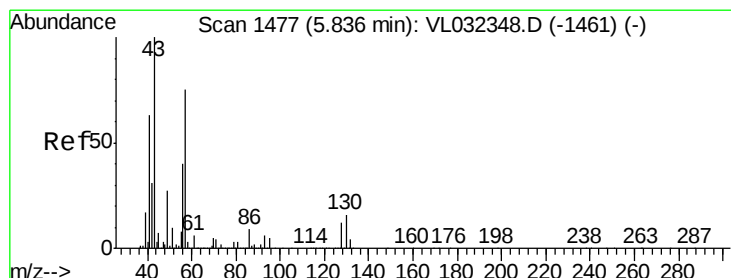
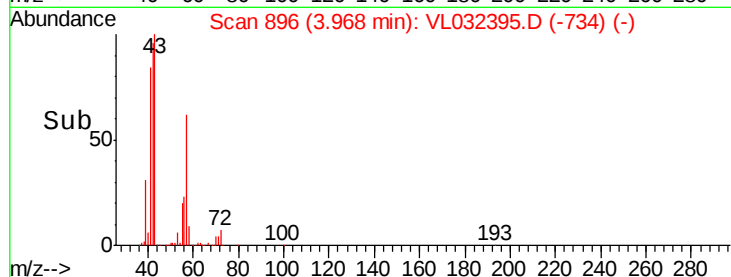
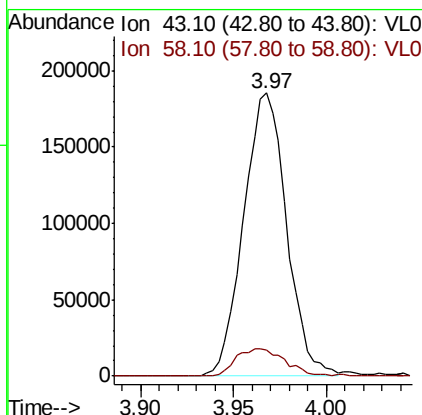
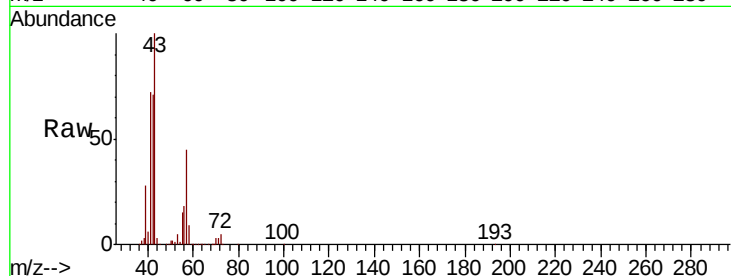
#15
Acetone
Concen: 1.80 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.02 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	11.5	22.4	33.6#

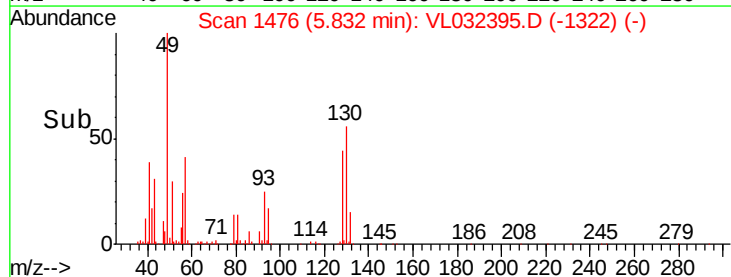
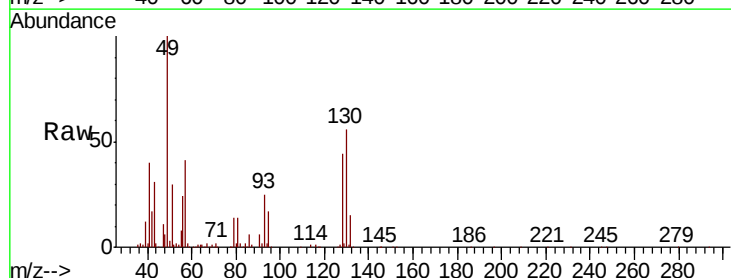
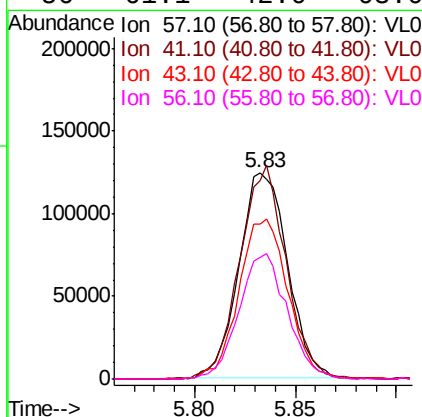
Manual Integrations
APPROVED

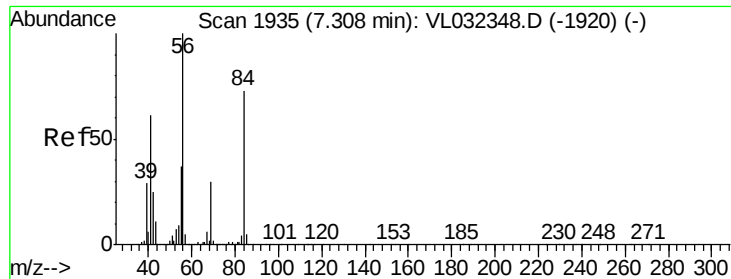
MMDadoda
8/20/2018 3:11:58 PM



#26
Hexane
Concen: 1.32 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.9	68.0	102.0
43	79.4	175.3	262.9#
56	61.1	42.0	63.0





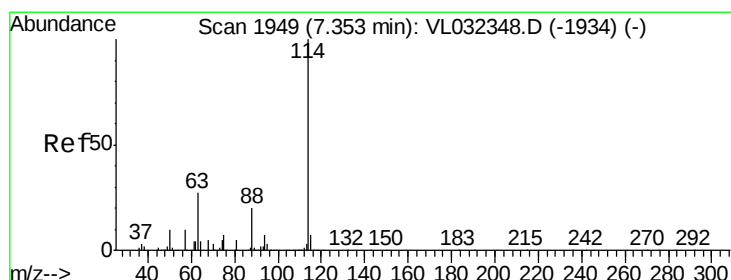
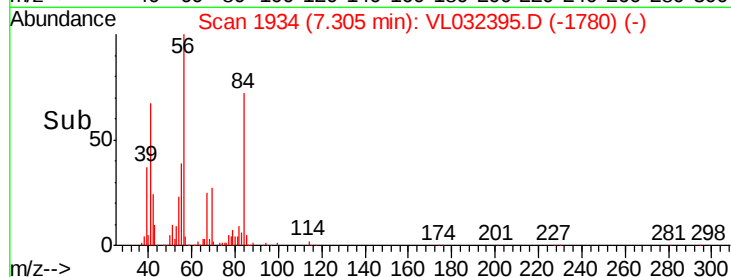
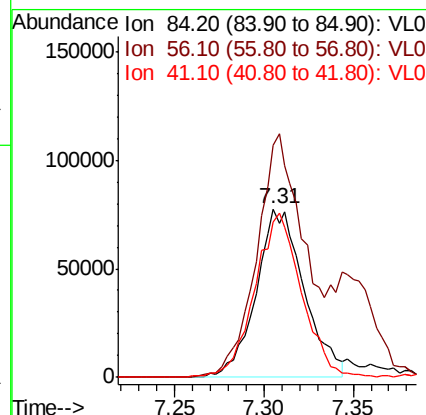
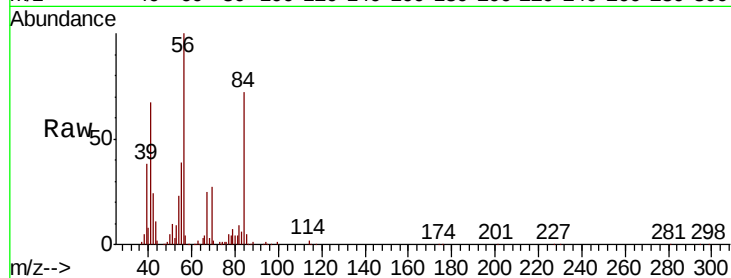
#30
Cyclohexane
Concen: 1.20 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. -0.00 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Tot Ion	Ratio	Lower	Upper
84	100		
56	196.8	115.7	173.5#
41	96.0	67.9	101.9

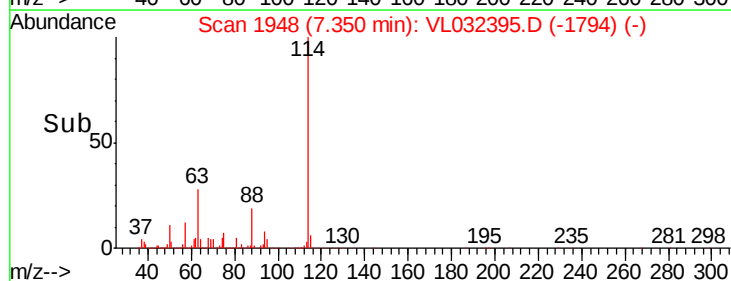
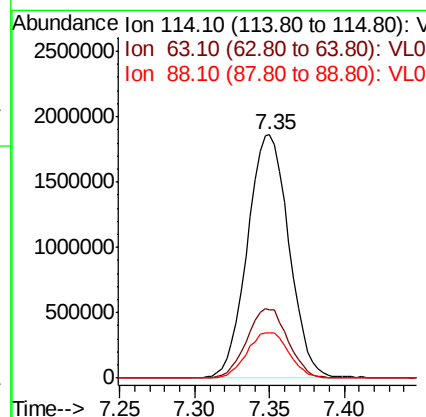
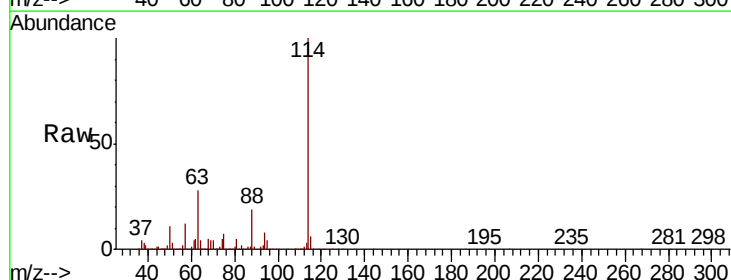
Manual Integrations
APPROVED

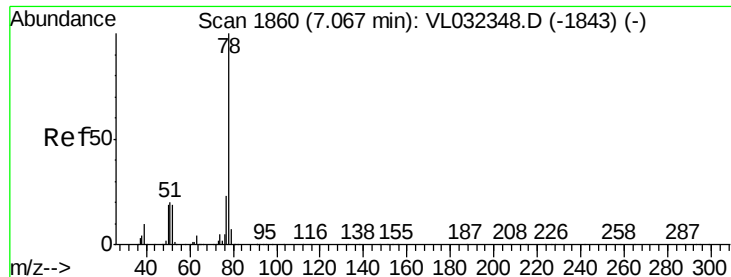
MMDadoda
8/20/2018 3:11:58 PM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.0	33.0
88	19.2	15.3	22.9





#36

Benzene

Concen: 0.17 ppbv

RT: 7.06 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VL032395.D

Acq: 17 Aug 2018 3:02

Instrument :

MSVOA_L

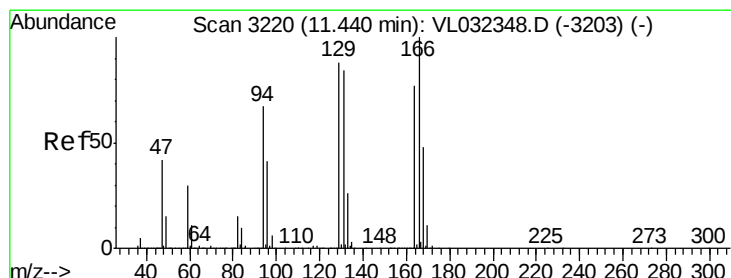
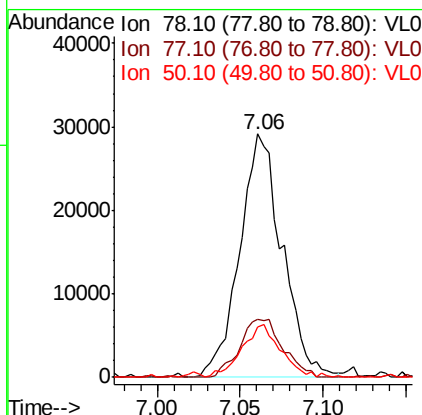
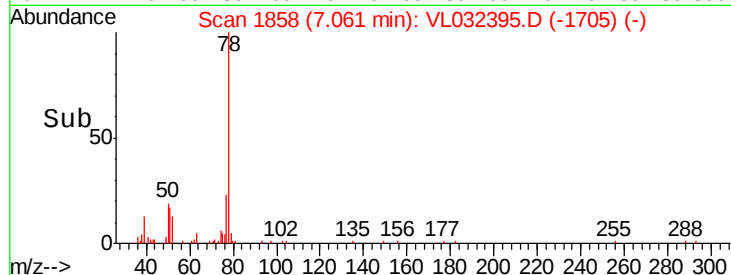
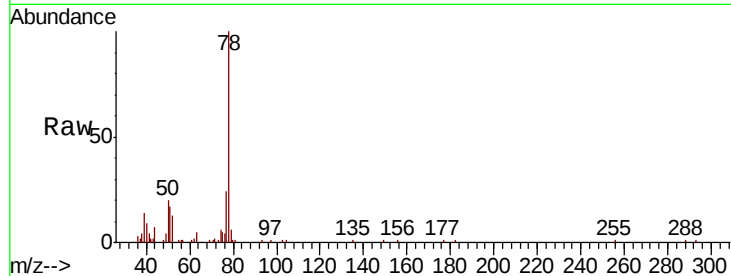
ClientSampleId :

SS08-MIVIDL

Tot Ion:	78	Resp:	51899
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.0	27.0
50	19.8	15.1	22.7

Manual Integrations
APPROVED

MMDadoda
8/20/2018 3:11:58 PM



#52

Tetrachloroethene

Concen: 16.14 ppbv

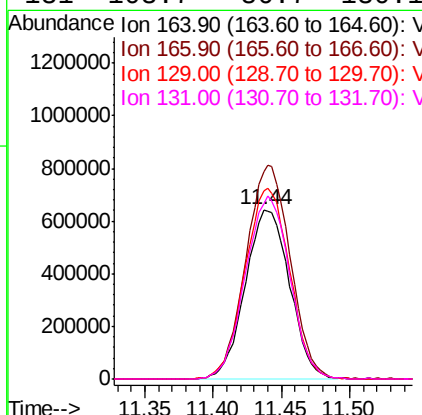
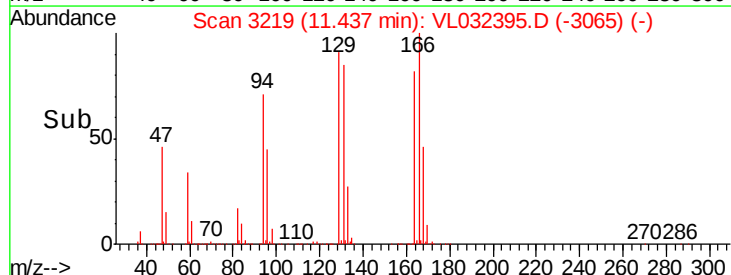
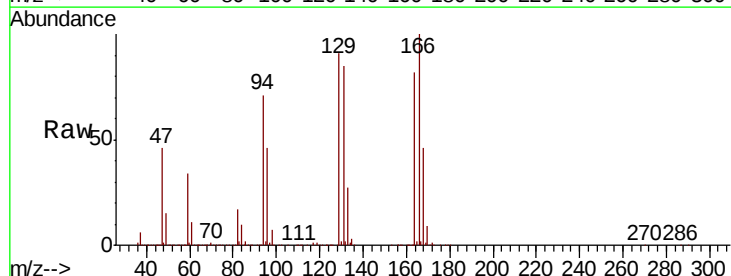
RT: 11.44 min Scan# 3219

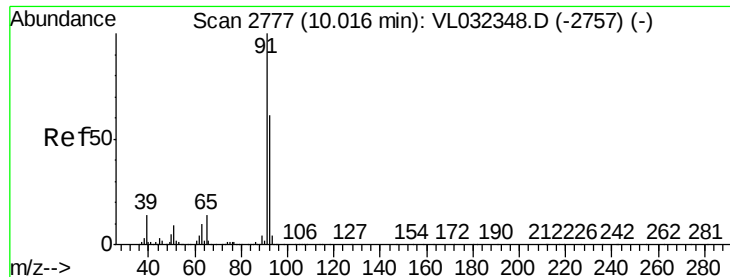
Delta R.T. -0.00 min

Lab File: VL032395.D

Acq: 17 Aug 2018 3:02

Tgt Ion:	164	Resp:	1451935
Ion Ratio	Lower	Upper	
164	100		
166	122.5	103.5	155.3
129	111.4	90.9	136.3
131	103.7	86.7	130.1





#53

Toluene

Concen: 1.08 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032395.D

Acq: 17 Aug 2018 3:02

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL

Tot Ion: 91 Resp: 361437

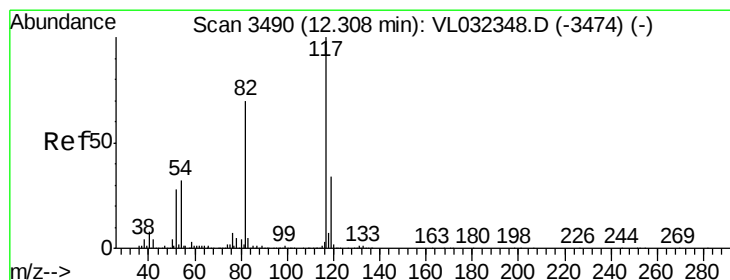
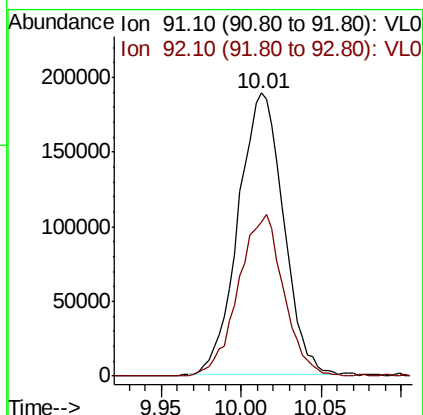
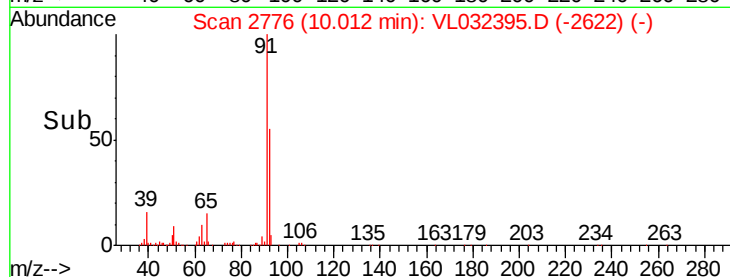
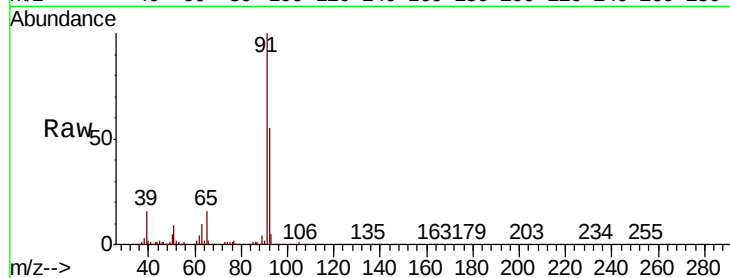
Ion Ratio Lower Upper

91 100

92 58.1 48.7 73.1

Manual Integrations
APPROVED

MMDadoda
8/20/2018 3:11:58 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.30 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VL032395.D

Acq: 17 Aug 2018 3:02

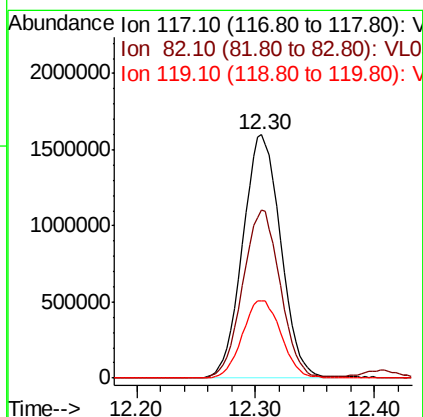
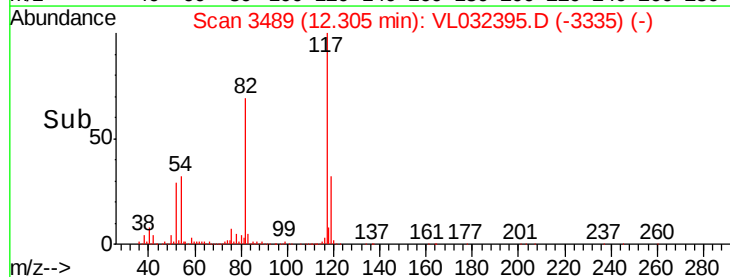
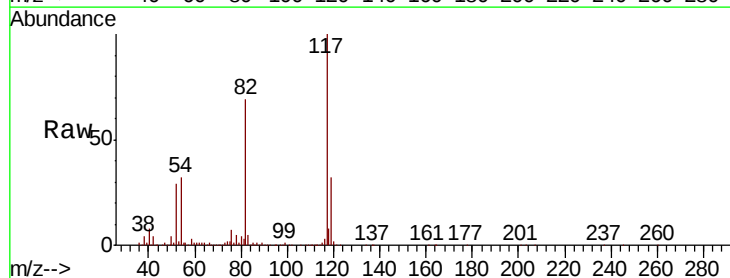
Tgt Ion: 117 Resp: 3540580

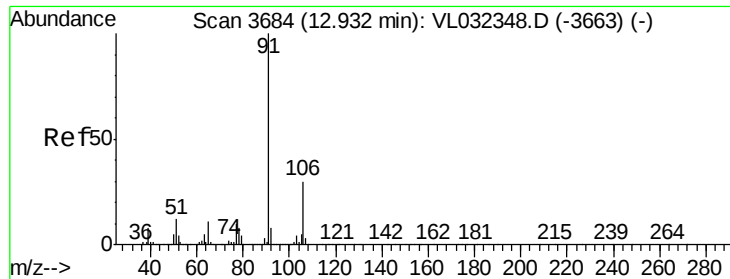
Ion Ratio Lower Upper

117 100

82 68.0 55.1 82.7

119 32.4 46.0 69.0#





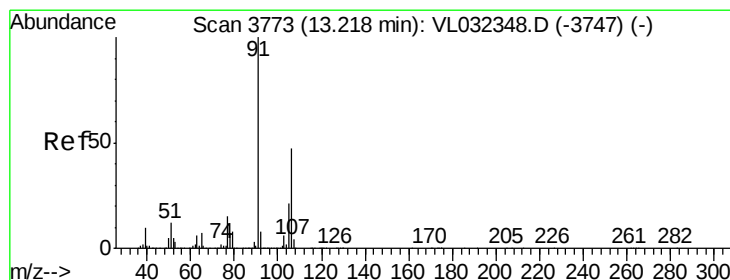
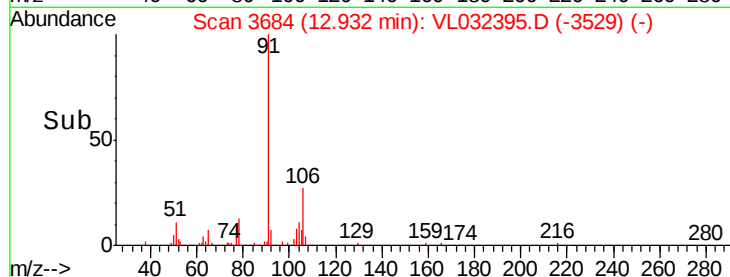
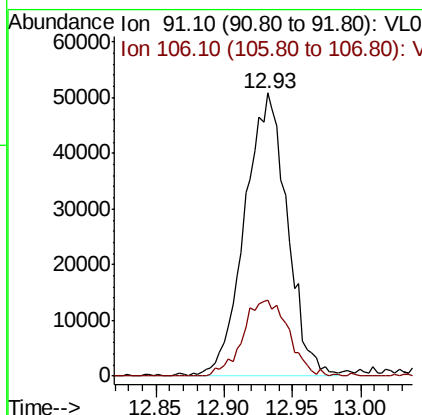
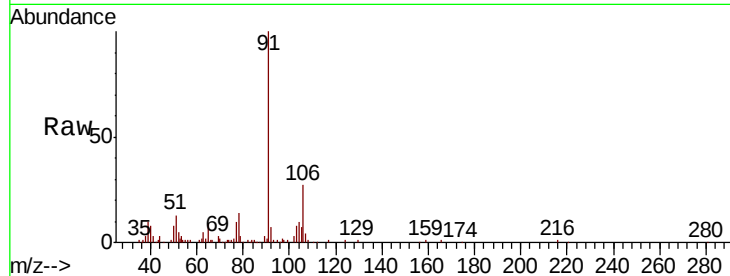
#58
Ethyl Benzene
Concen: 0.26 ppbv
RT: 12.93 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Instrument :
MSVOA_L
ClientSampled :
SS08-MIVIDL

Tot Ion	Ratio	Lower	Upper
91	100		
106	26.8	24.3	36.5

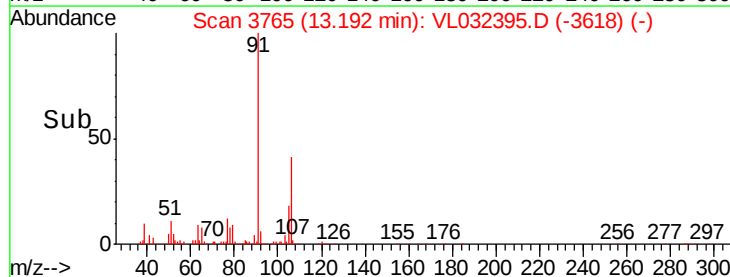
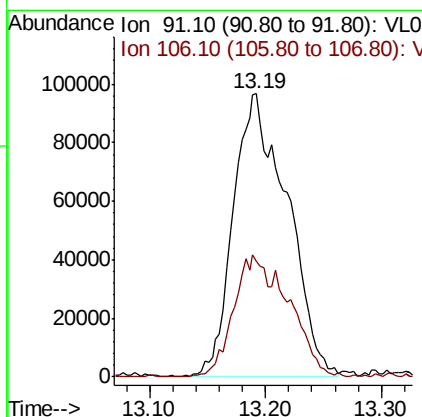
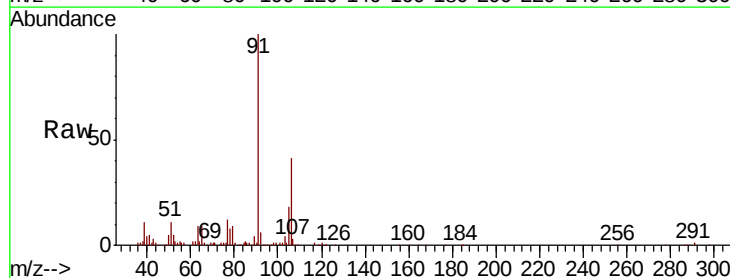
Manual Integrations
APPROVED

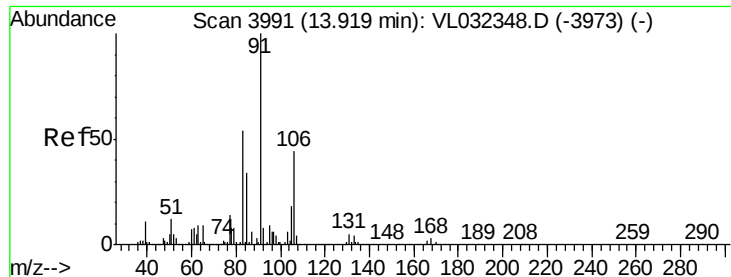
MMDadoda
8/20/2018 3:11:58 PM



#59
m/p-Xylene
Concen: 0.86 ppbv m
RT: 13.19 min Scan# 3765
Delta R.T. -0.03 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.0	55.4#





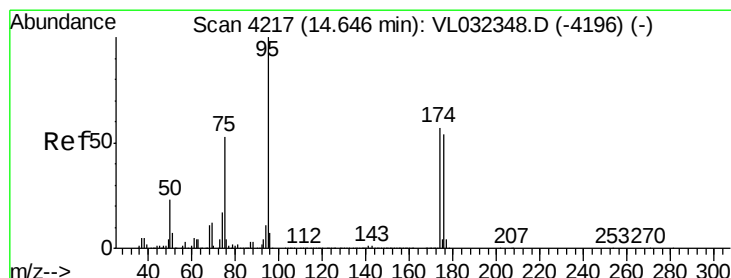
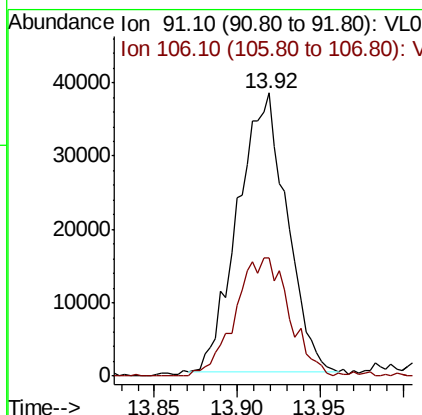
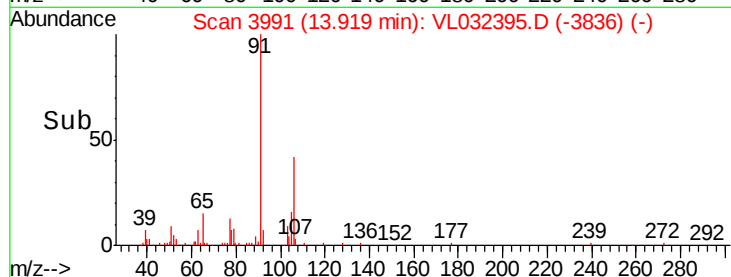
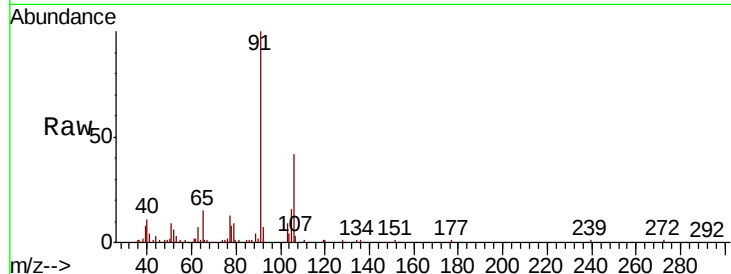
#60
o-Xylene
Concen: 0.22 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. -0.00 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL

Tot Ion: 91 Resp: 78619
Ion Ratio Lower Upper
91 100
106 47.1 22.3 66.8

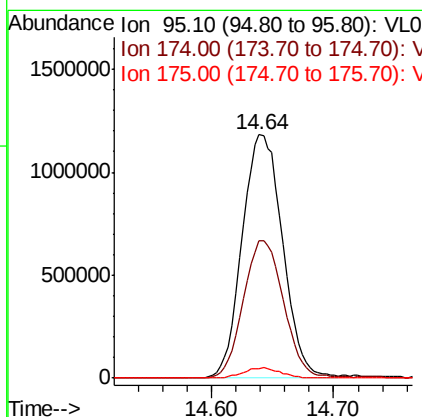
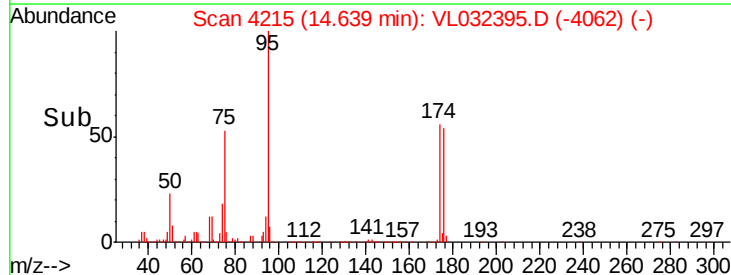
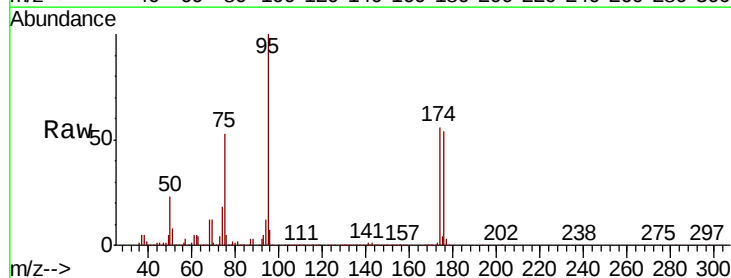
Manual Integrations
APPROVED

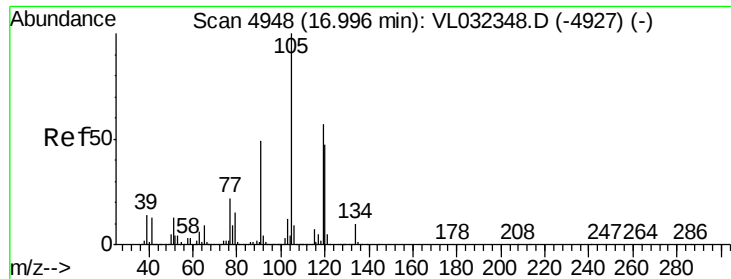
MMDadoda
8/20/2018 3:11:58 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.03 ppbv
RT: 14.64 min Scan# 4215
Delta R.T. -0.01 min
Lab File: VL032395.D
Acq: 17 Aug 2018 3:02

Tgt Ion: 95 Resp: 2709438
Ion Ratio Lower Upper
95 100
174 57.1 46.2 69.4
175 4.0 3.4 5.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.20 ppbv
 RT: 16.99 min Scan# 4947
 Delta R.T. -0.00 min
 Lab File: VL032395.D
 Acq: 17 Aug 2018 3:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL

Tot Ion:	105	Resp:	82727
Ion Ratio	Lower	Upper	
105	100		
120	36.3	37.6	56.4#
91	12.4	39.9	59.9#
77	14.4	17.8	26.8#

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 3:11:58 PM

