

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011690.D
 Acq On : 20 Aug 2019 17:22
 Operator : JC/SP
 Sample : K4413-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:33:29 AM

Quant Time: Sep 01 02:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	406046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	565763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	508005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	261330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	206899	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	5.49	113	170082	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	8.71	98	648525	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
62) 4-Bromofluorobenzene	11.13	95	234355	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	12682	6.698	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	11436	2.674	ug/l	88
39) Methylcyclohexane	7.46	83	4754	0.796	ug/l	89
40) Benzene	6.13	78	18071	1.202	ug/l	100
67) Ethyl Benzene	10.25	91	96246	5.322	ug/l	96
73) Isopropylbenzene	11.02	105	28247	1.666	ug/l	95
78) n-propylbenzene	11.36	91	37670	2.060	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	4832	0.338	ug/l	96
85) sec-Butylbenzene	11.94	105	10306	0.630	ug/l	82
89) n-Butylbenzene	12.38	91	5726m	0.452	ug/l	
95) Naphthalene	13.83	128	33348	1.819	ug/l #	87

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

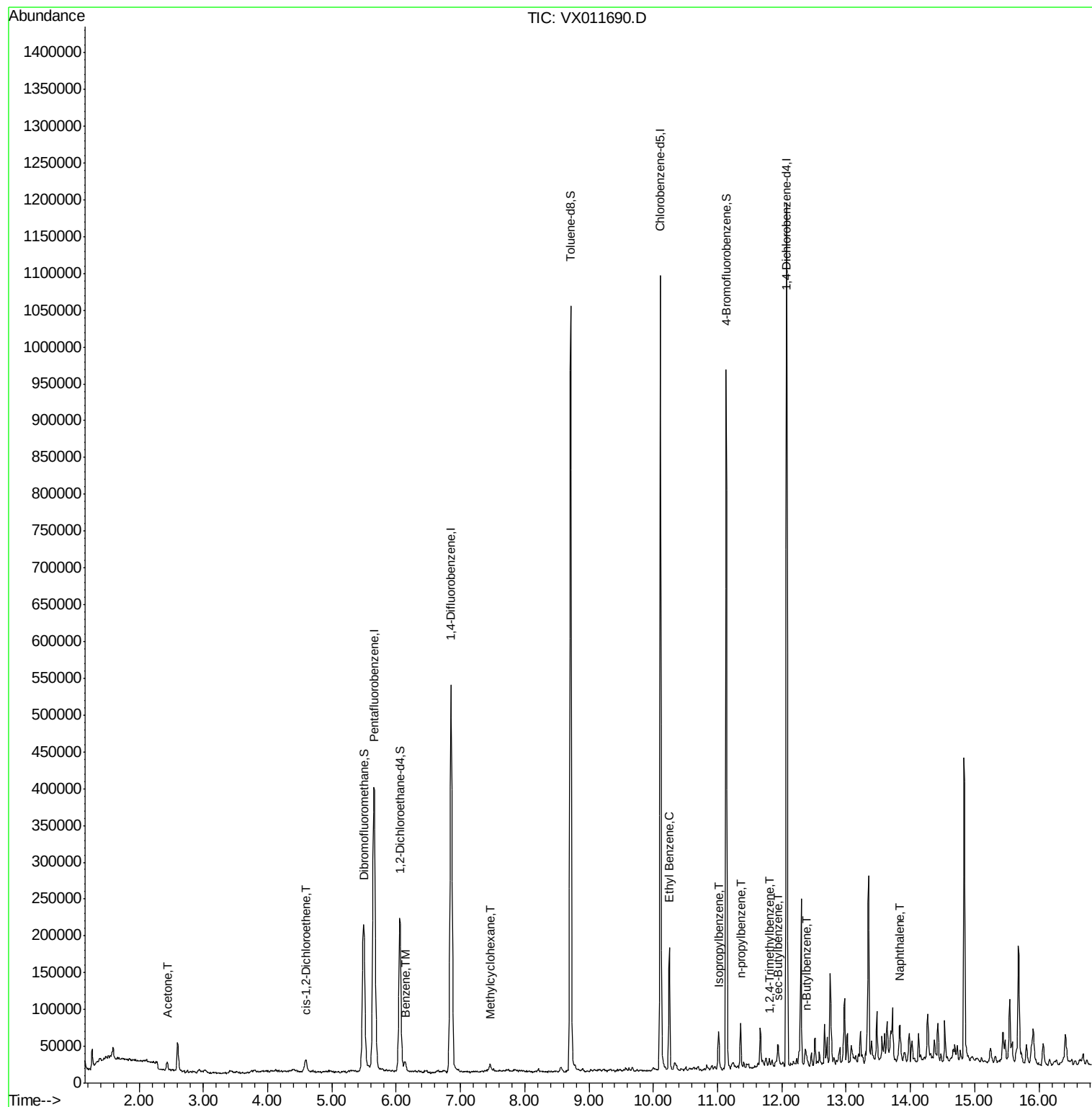
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082019\
Data File : VX011690.D
Acq On : 20 Aug 2019 17:22
Operator : JC/SP
Sample : K4413-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

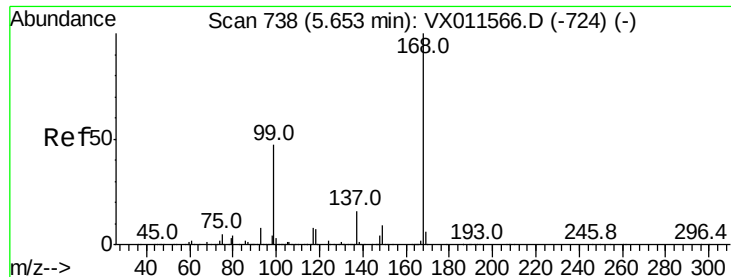
Instrument :
MSVOA_X
ClientSampleId :
TMW-01

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:29 AM

Quant Time: Sep 01 02:58:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011690.D

Acq: 20 Aug 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

TMW-01

Tot Ion:168 Resp: 406046

Ion Ratio Lower Upper

168 100

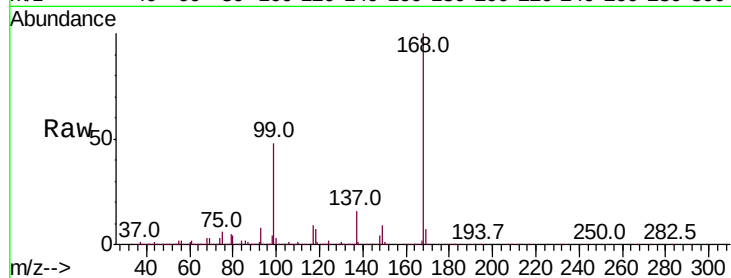
99 47.5 37.3 55.9

Manual Integrations

APPROVED

MMDadoda

8/21/2019 8:33:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

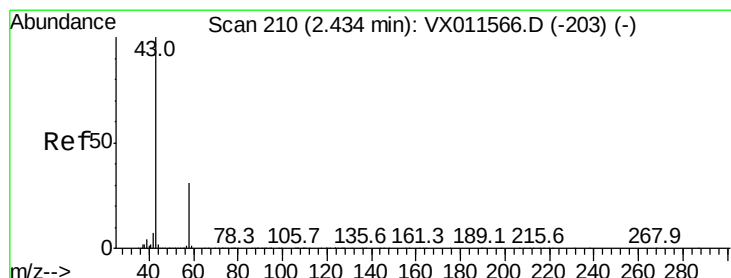
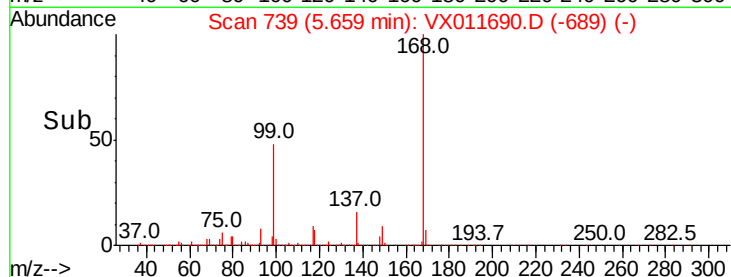
50000

0

5.50 5.60 5.70 5.80

5.66

Time-->



#16

Acetone

Concen: 6.698 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011690.D

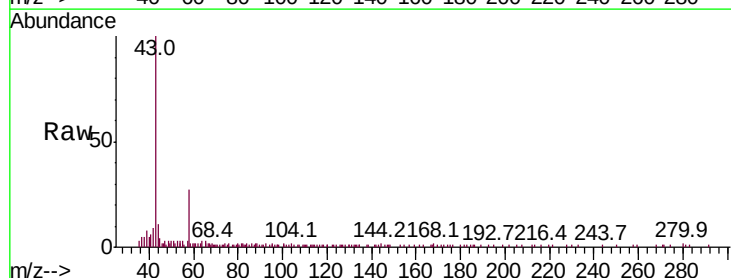
Acq: 20 Aug 2019 17:22

Tgt Ion: 43 Resp: 12682

Ion Ratio Lower Upper

43 100

58 25.1 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

4000

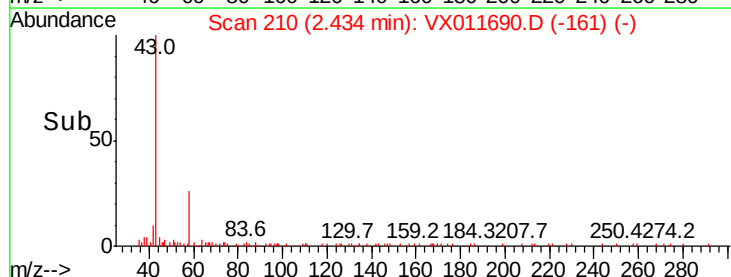
2000

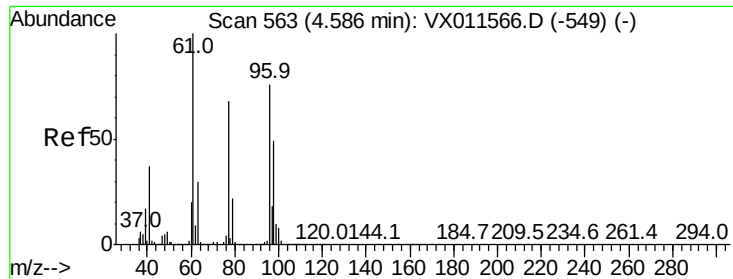
0

2.35 2.40 2.45 2.50

2.43

Time-->





#27

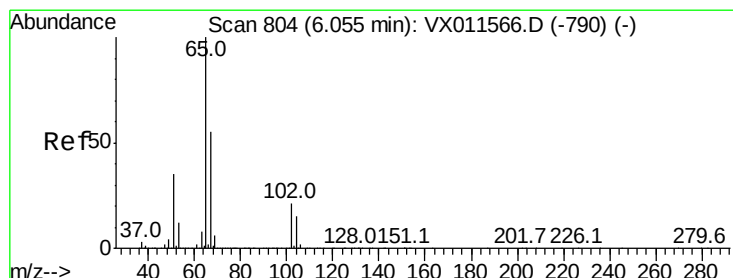
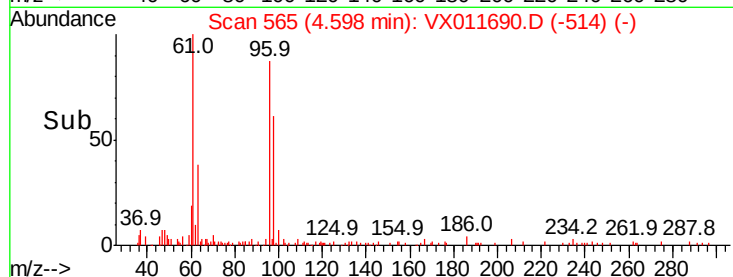
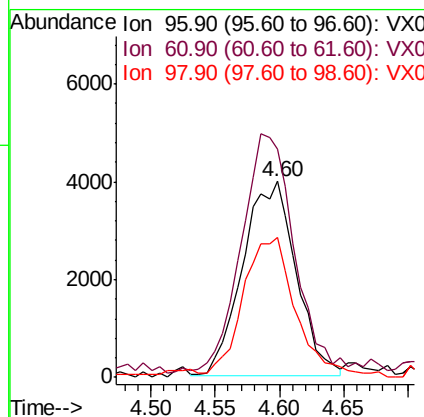
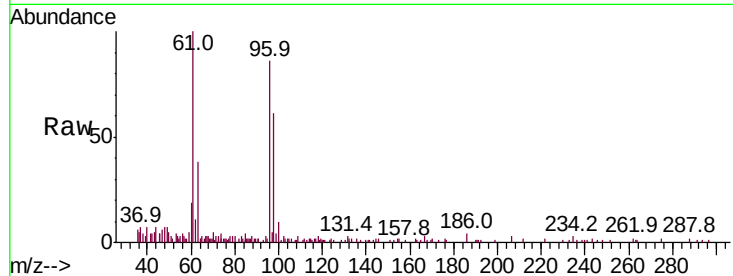
cis-1,2-Dichloroethene
Concen: 2.674 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
TMW-01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	11436		
61	121.1	0.0	272.6	
98	71.8	0.0	129.4	

Manual Integrations
APPROVED

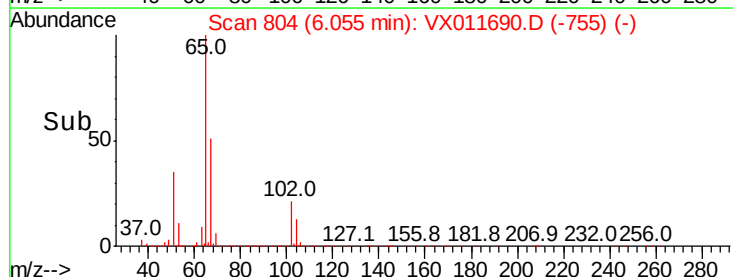
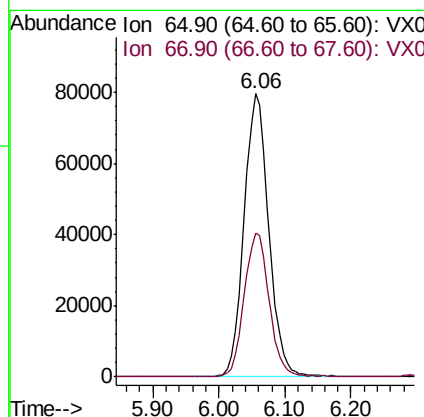
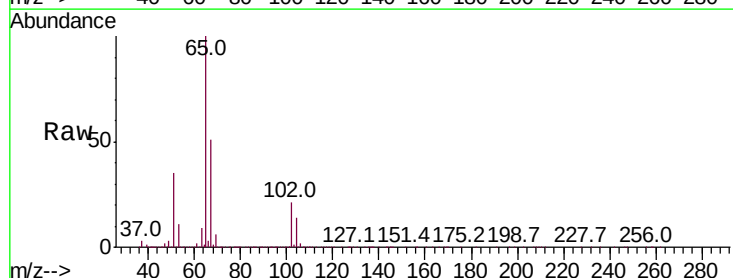
MMDadoda
8/21/2019 8:33:29 AM

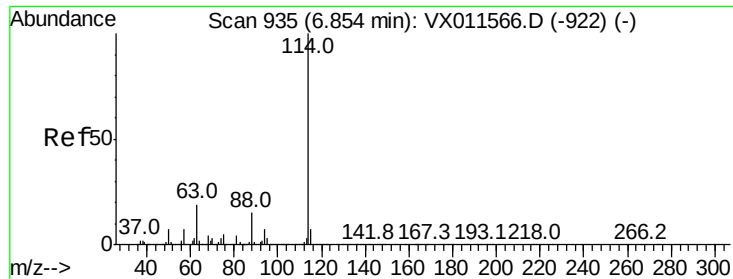


#33

1,2-Dichloroethane-d4
Concen: 54.946 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	206899		
67	50.8	0.0	107.6	





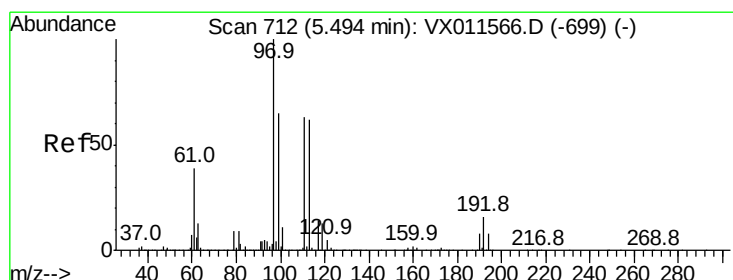
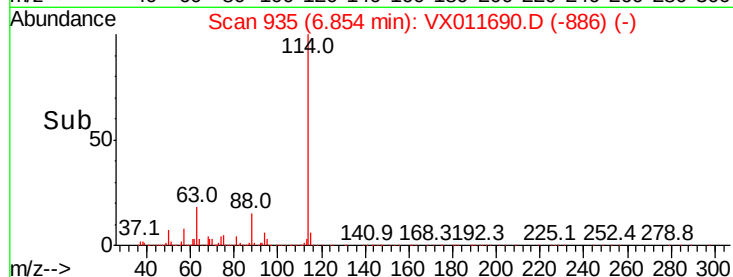
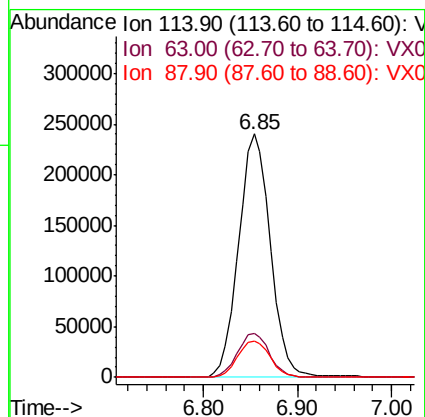
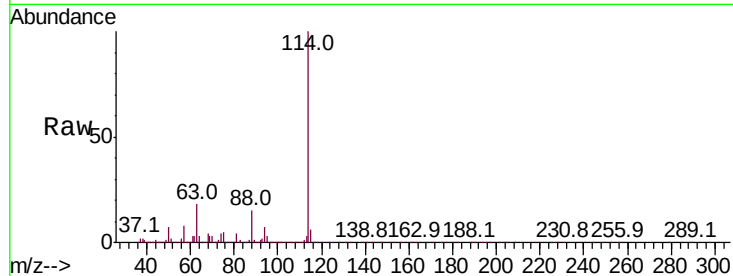
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011690.D
 Acq: 20 Aug 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-01

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.0	0.0	37.8
88	15.1	0.0	30.2

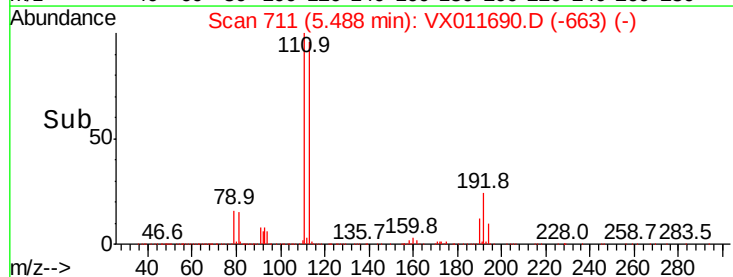
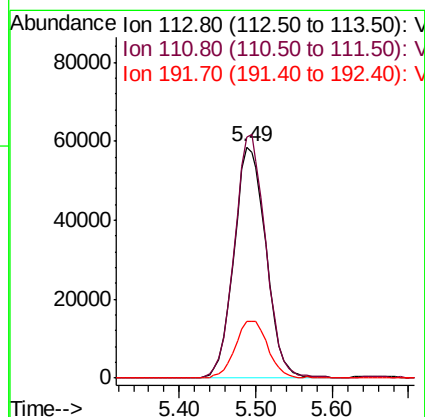
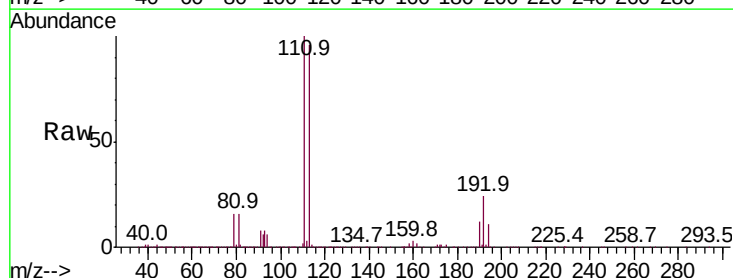
Manual Integrations
 APPROVED

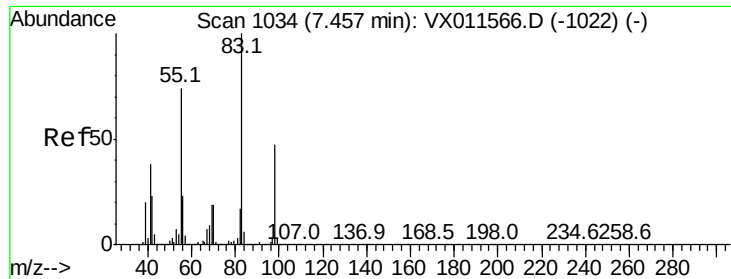
MMDadoda
 8/21/2019 8:33:29 AM



#35
 Dibromofluoromethane
 Concen: 45.963 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011690.D
 Acq: 20 Aug 2019 17:22

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.1	81.1	121.7
192	25.5	20.8	31.2





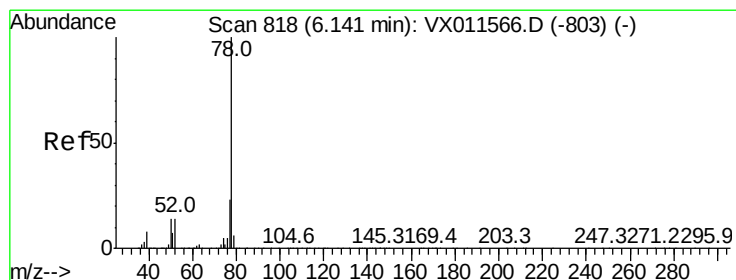
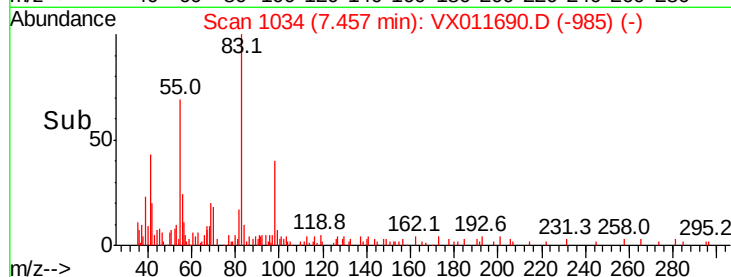
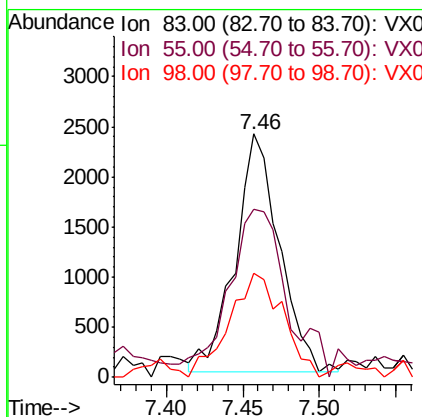
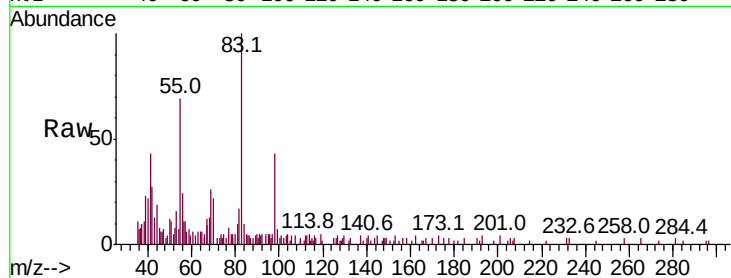
#39
Methylvlcyclohexane
Concen: 0.796 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
TMW-01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.5	58.8	88.2
98	40.1	37.8	56.6

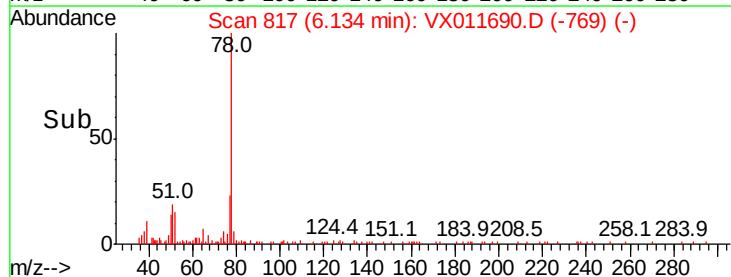
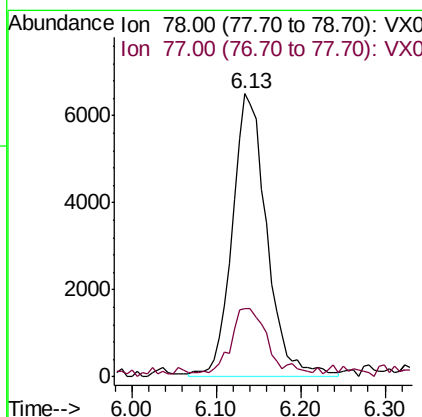
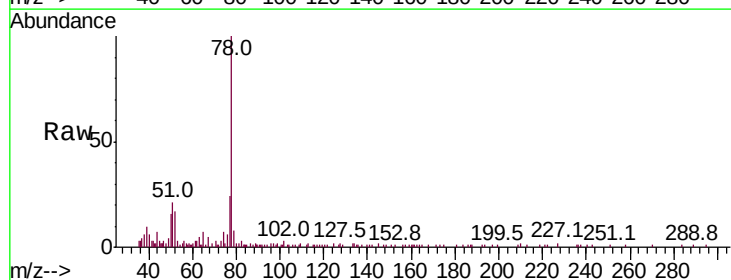
Manual Integrations
APPROVED

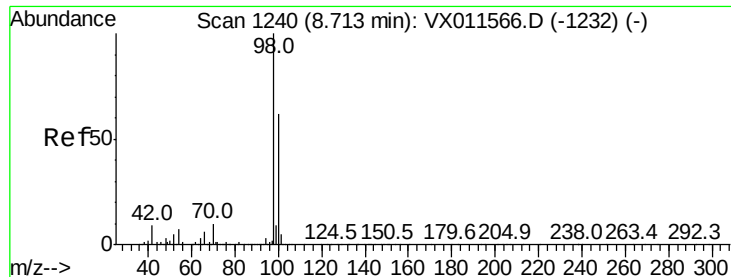
MMDadoda
8/21/2019 8:33:29 AM



#40
Benzene
Concen: 1.202 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





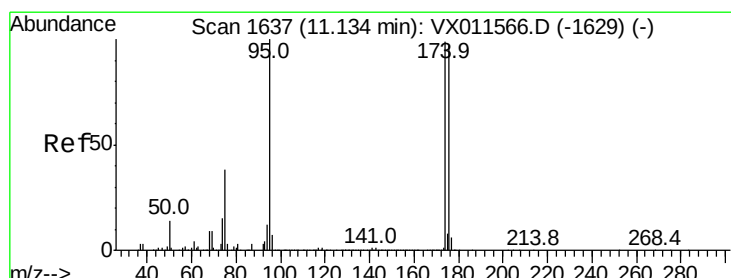
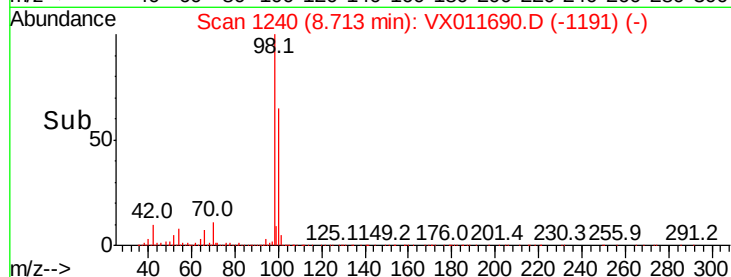
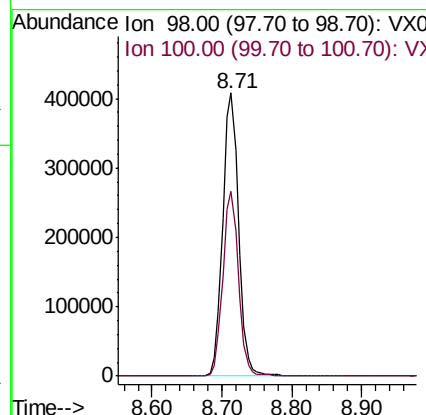
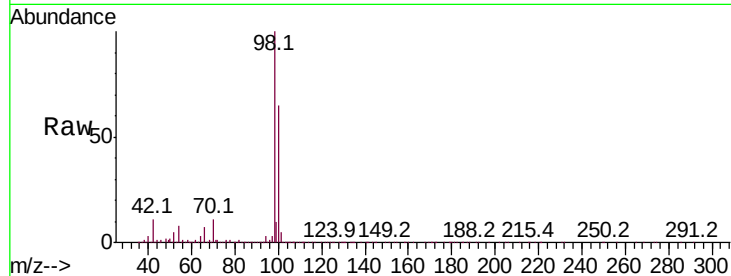
#50
Toluene-d8
Concen: 56.246 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
TMW-01

Tot Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.4	78.6

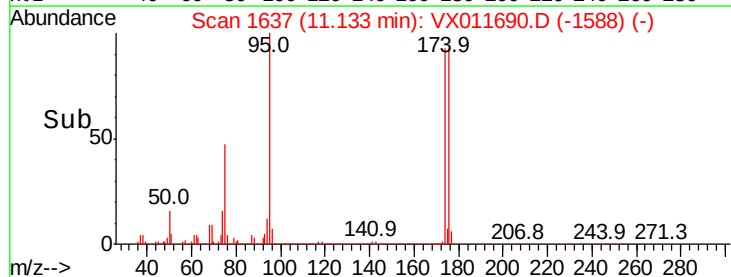
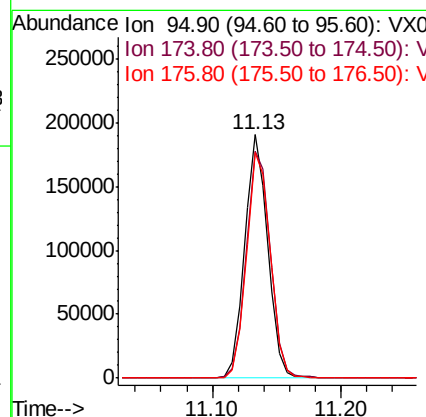
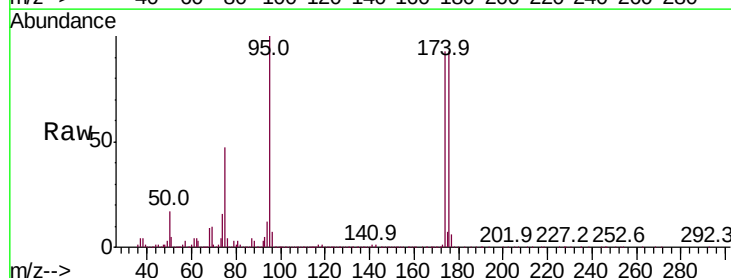
Manual Integrations
APPROVED

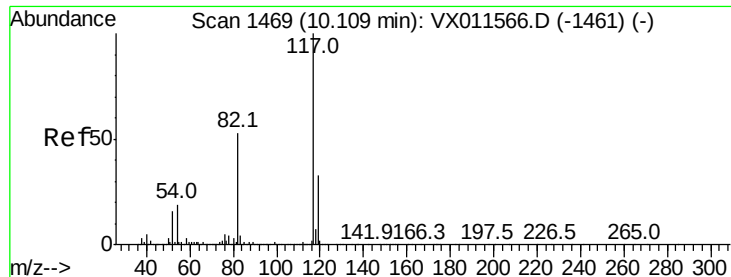
MMDadoda
8/21/2019 8:33:29 AM



#62
4-Bromofluorobenzene
Concen: 48.155 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	200.6
176	95.5	0.0	196.6





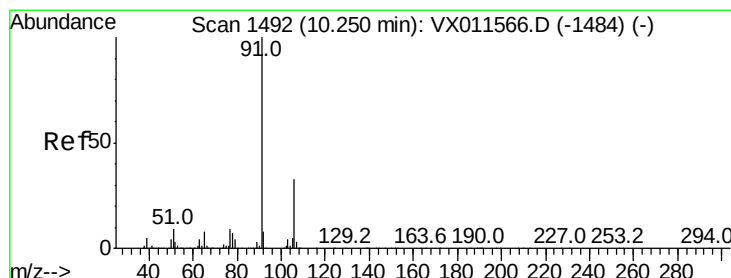
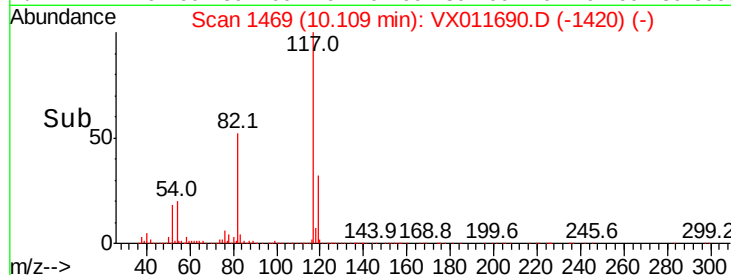
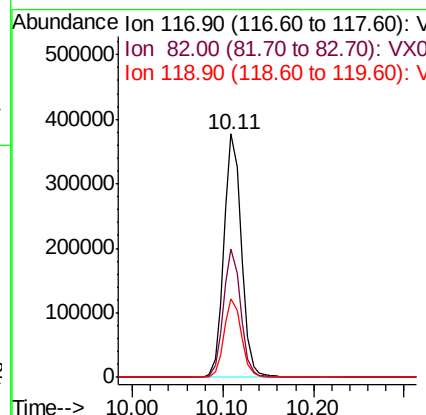
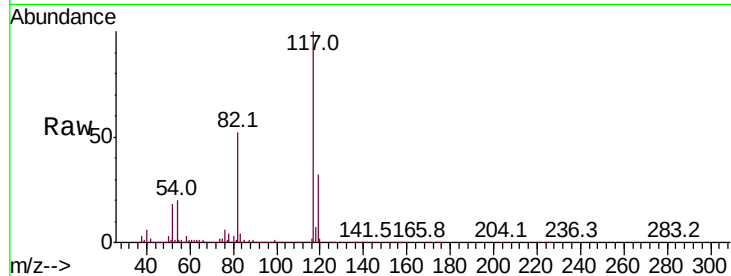
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Instrument :
MSVOA_X
ClientSampled :
TMW-01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.5	42.0	63.0	
119	32.4	26.5	39.7	

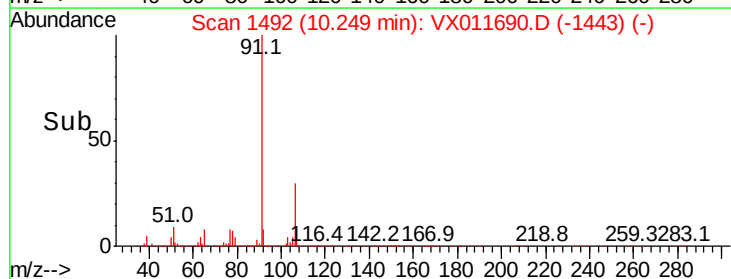
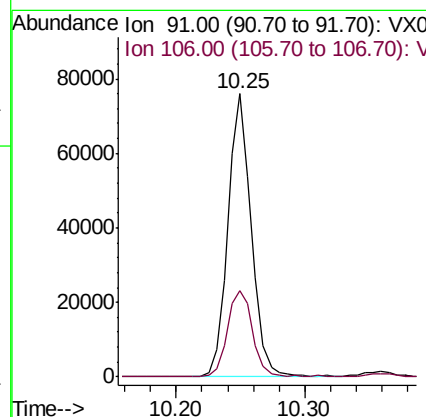
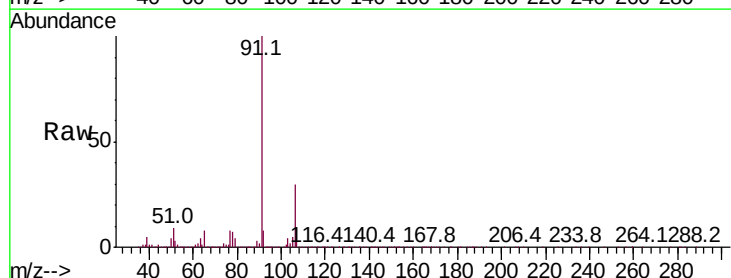
Manual Integrations
APPROVED

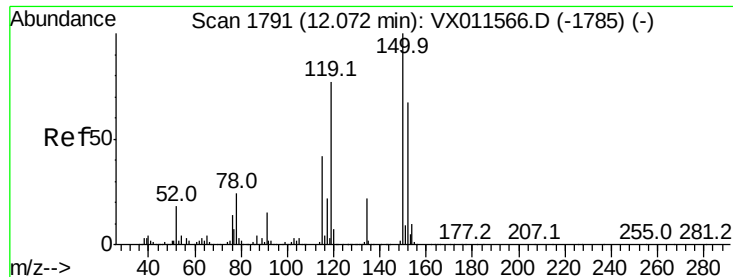
MMDadoda
8/21/2019 8:33:29 AM



#67
Ethyl Benzene
Concen: 5.322 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	30.2	26.0	39.0	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011690.D

Acq: 20 Aug 2019 17:22

Instrument :

MSVOA_X

ClientSampled :

TMW-01

Tot Ion:152 Resp: 261330

Ion Ratio Lower Upper

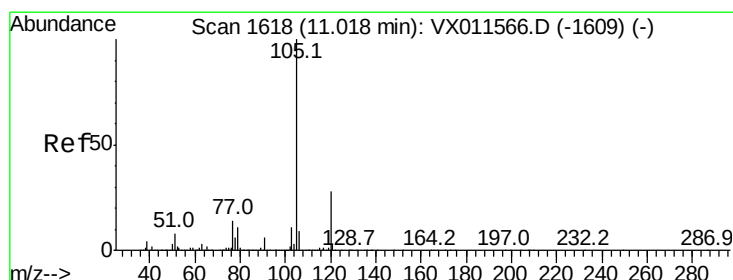
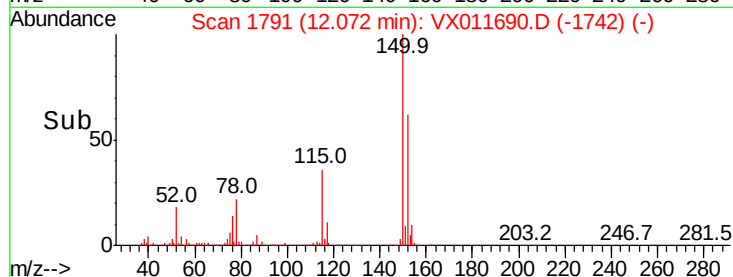
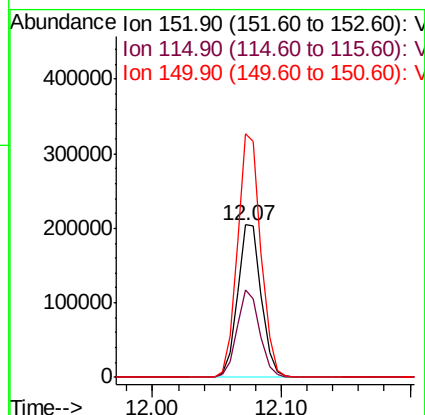
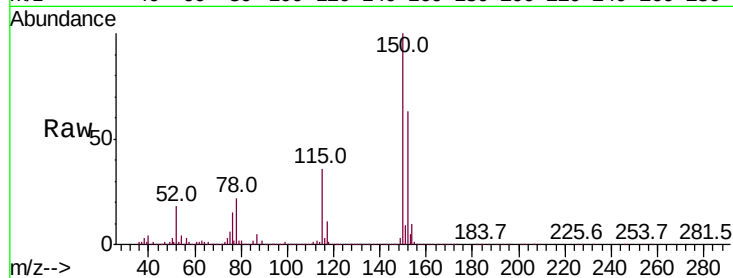
152 100

115 55.1 37.3 111.9

150 157.6 0.0 346.2

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:29 AM



#73

Isopropylbenzene

Concen: 1.666 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011690.D

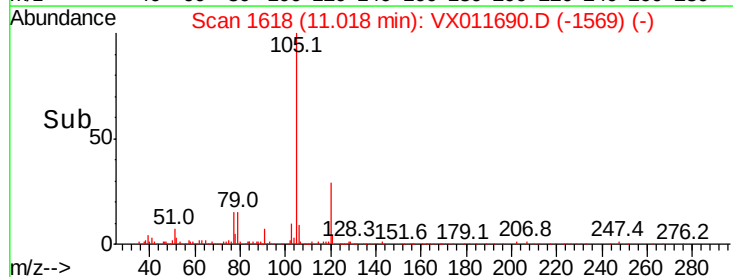
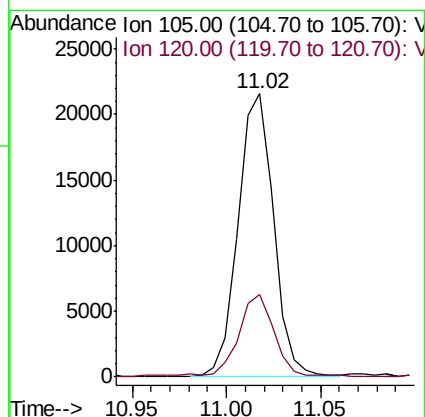
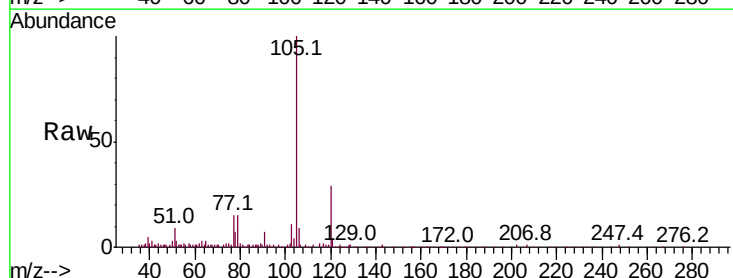
Acq: 20 Aug 2019 17:22

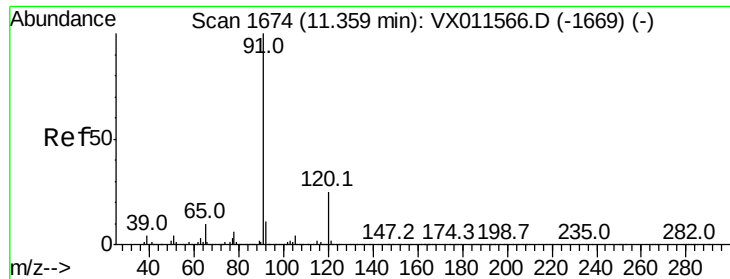
Tgt Ion:105 Resp: 28247

Ion Ratio Lower Upper

105 100

120 30.3 14.0 41.9





#78

n-propylbenzene

Concen: 2.060 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011690.D

Acq: 20 Aug 2019 17:22

Instrument :

MSVOA_X

ClientSampled :

TMW-01

Tot Ion: 91 Resp: 37670

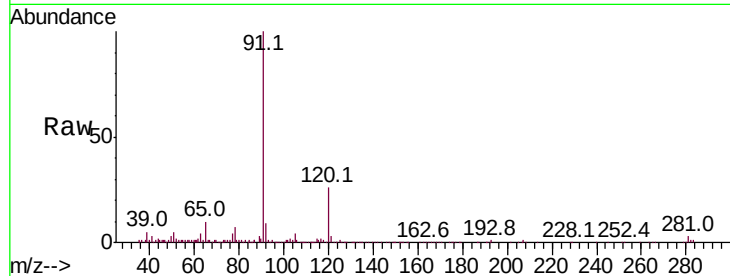
Ion Ratio Lower Upper

91 100

120 26.2 12.6 37.6

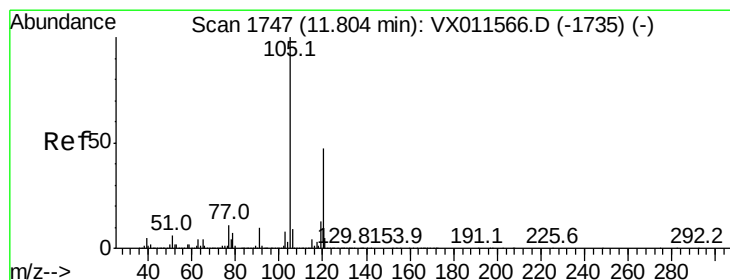
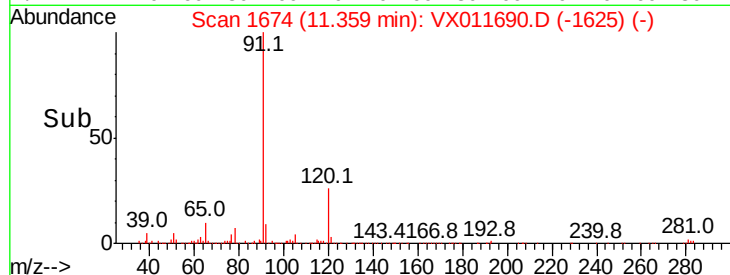
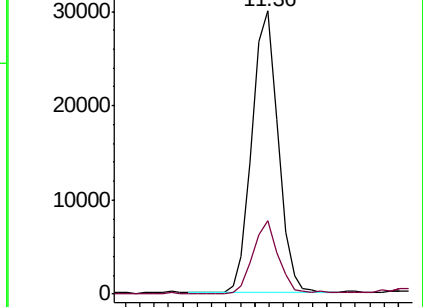
Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:29 AM



Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1669) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.338 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011690.D

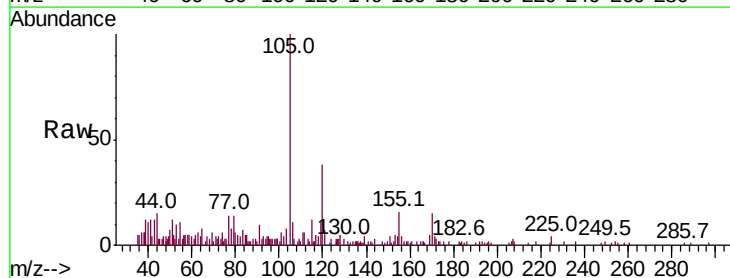
Acq: 20 Aug 2019 17:22

Tgt Ion: 105 Resp: 4832

Ion Ratio Lower Upper

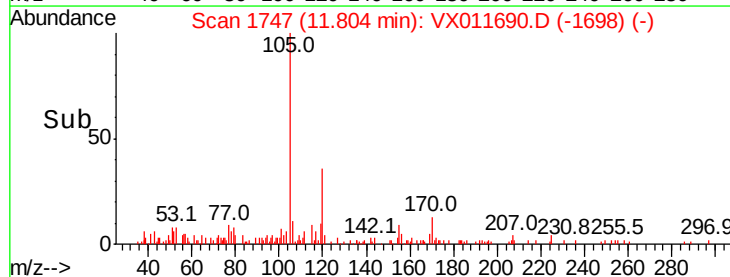
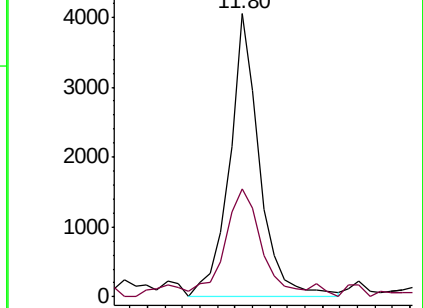
105 100

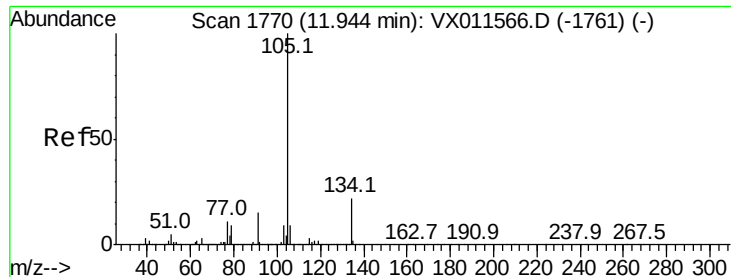
120 49.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1735) (-)





#85

sec-Butylbenzene

Concen: 0.630 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011690.D

Acq: 20 Aug 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

TMW-01

Tot Ion:105 Resp: 10306

Ion Ratio Lower Upper

105 100

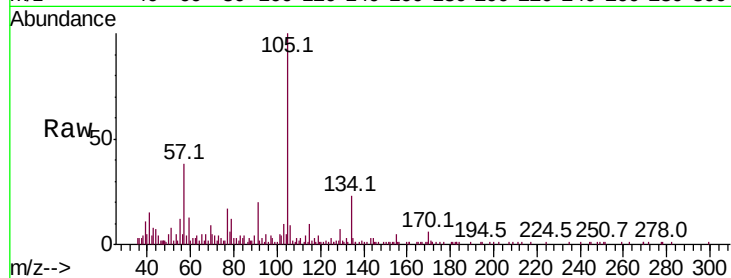
134 30.0 10.8 32.4

Manual Integrations

APPROVED

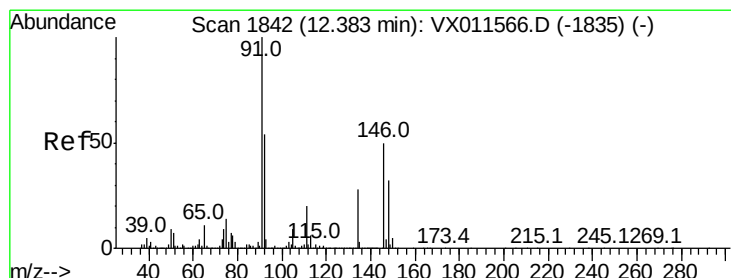
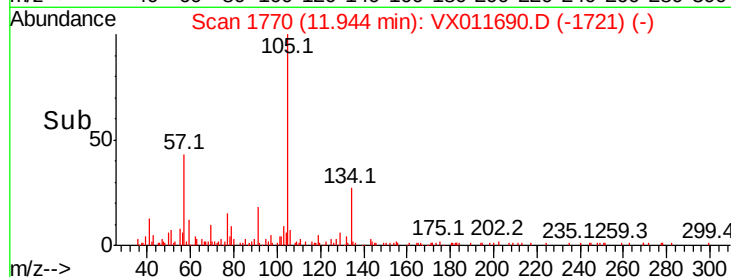
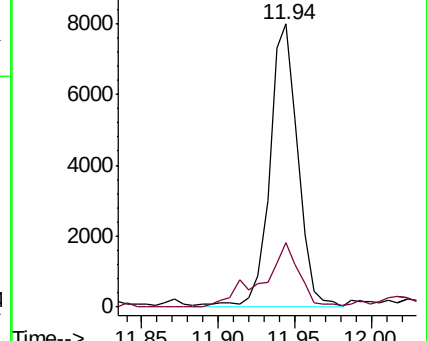
MMDadoda

8/21/2019 8:33:29 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.452 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011690.D

Acq: 20 Aug 2019 17:22

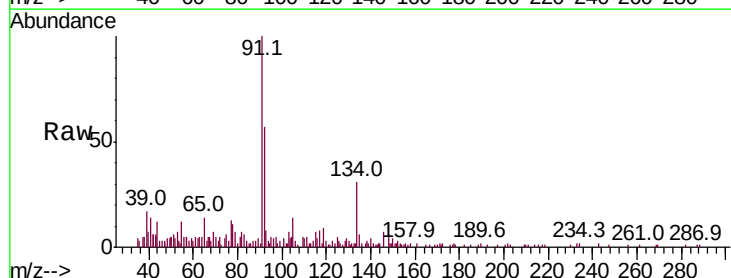
Tgt Ion: 91 Resp: 5726

Ion Ratio Lower Upper

91 100

92 64.1 26.8 80.3

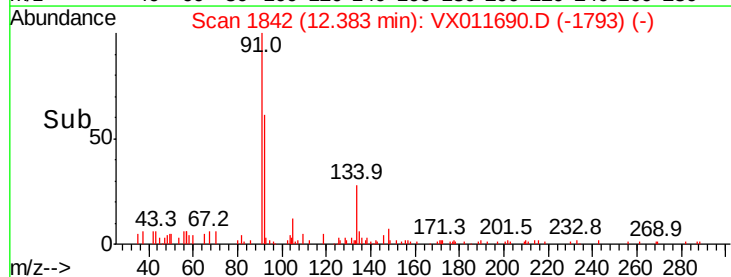
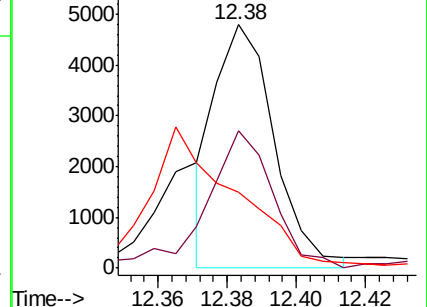
134 82.9 14.6 44.0#

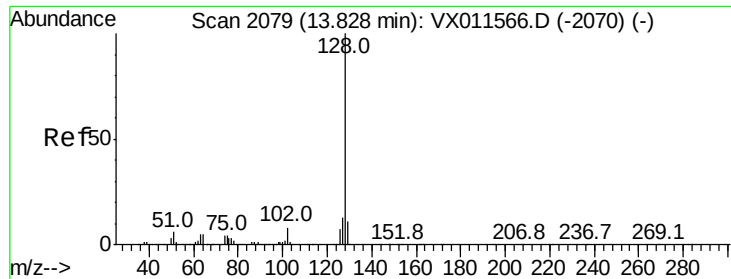


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 1.819 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011690.D
Acq: 20 Aug 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
TMW-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.3	15.5#
129	16.4	8.7	13.1#

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:29 AM

