

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002431.D
 Acq On : 09 Jun 2018 19:43
 Operator : JC/MD
 Sample : J3394-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-53

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 2:32:57 PM

Quant Time: Jun 22 11:39:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146281	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.66%		
35) Dibromofluoromethane	5.51	113	111138	45.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.56%		
50) Toluene-d8	8.72	98	441121	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.78%		
62) 4-Bromofluorobenzene	11.14	95	154351	42.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	6125	1.61	ug/l	89
39) Methylcyclohexane	7.46	83	8953	2.46	ug/l	94
52) Toluene	8.79	92	3329	0.52	ug/l	99
65) Chlorobenzene	10.14	112	4446	0.63	ug/l	94
73) Isopropylbenzene	11.02	105	98713	9.11	ug/l	100
78) n-propylbenzene	11.37	91	28131	2.34	ug/l	97
83) tert-Butylbenzene	11.77	119	11063	1.22	ug/l	87
85) sec-Butylbenzene	11.95	105	88760	8.37	ug/l	85
89) n-Butylbenzene	12.39	91	23611m	2.91	ug/l	

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

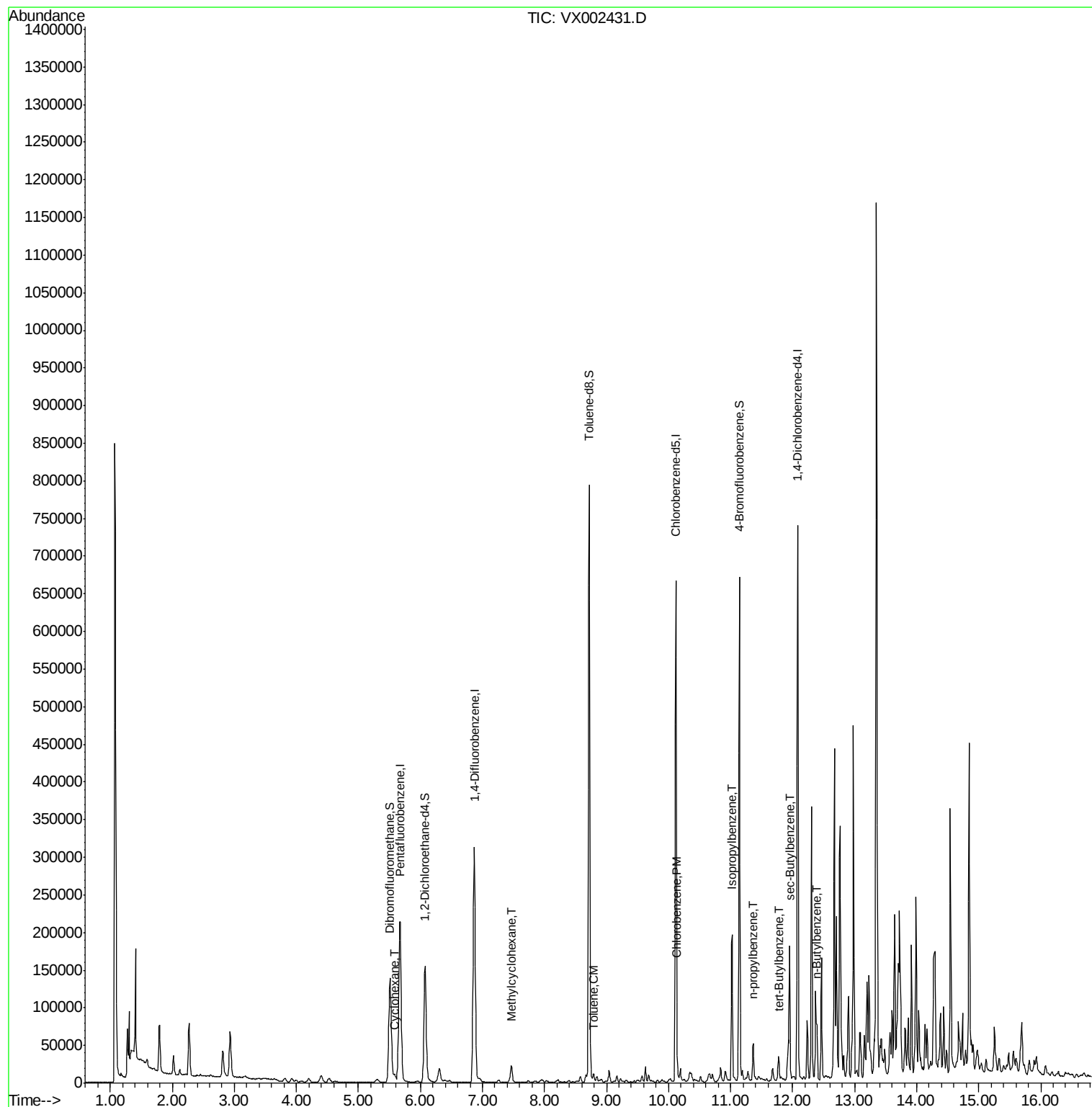
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060918\
Data File : VX002431.D
Acq On : 09 Jun 2018 19:43
Operator : JC/MD
Sample : J3394-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

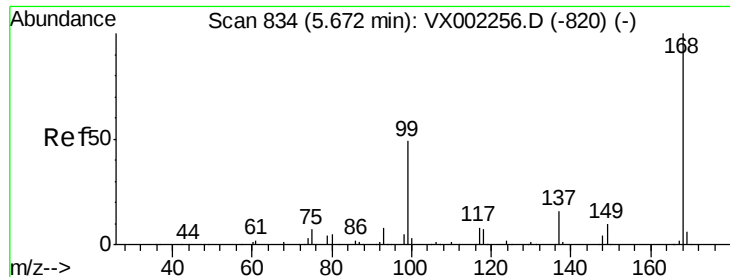
Instrument :
MSVOA_X
ClientSampleId :
W-53

Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:57 PM

Quant Time: Jun 22 11:39:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

ClientSampled :

W-53

Tot Ion:168 Resp: 211152

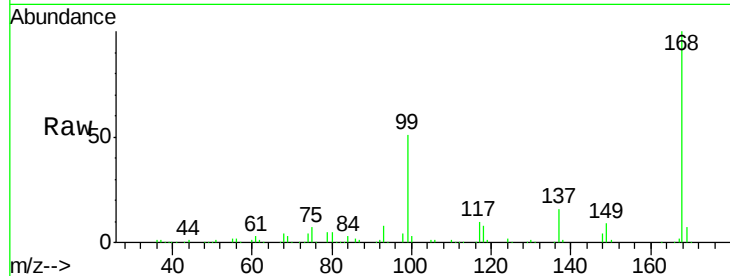
Ion Ratio Lower Upper

168 100

99 50.9 39.3 58.9

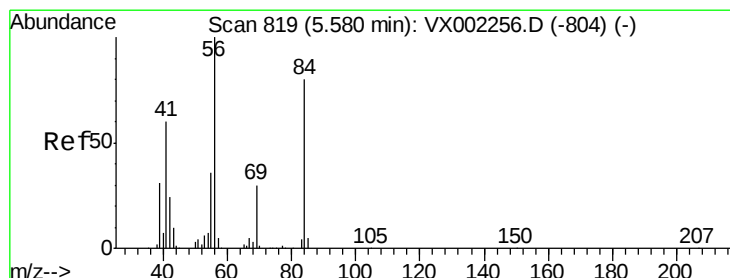
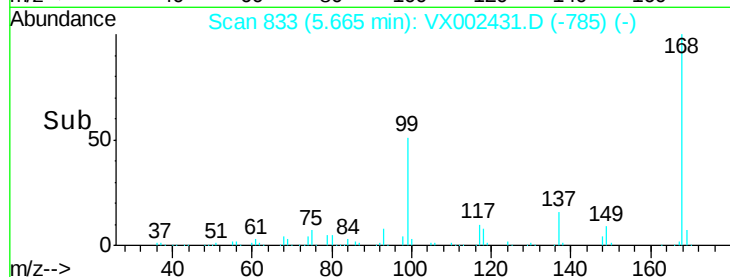
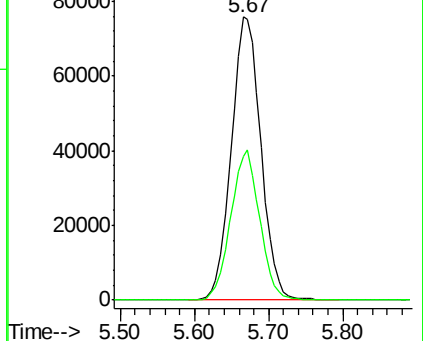
Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

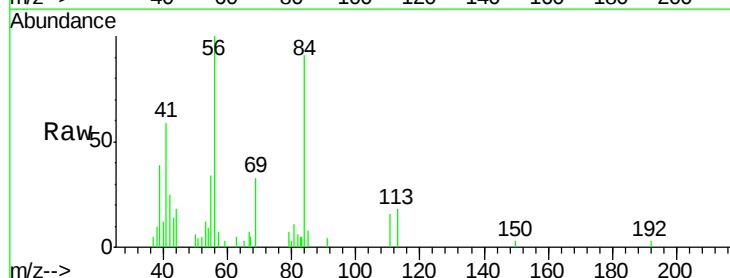
Tgt Ion: 56 Resp: 6125

Ion Ratio Lower Upper

56 100

69 33.4 23.7 35.5

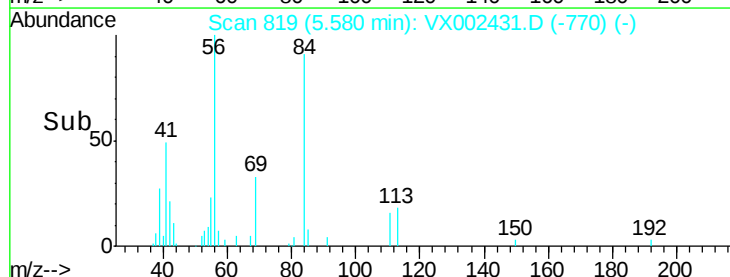
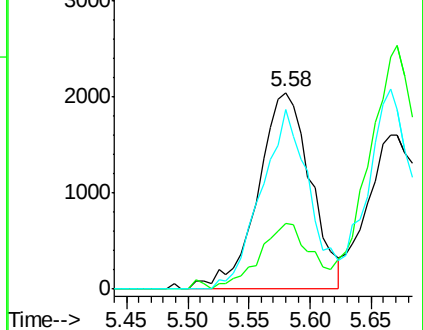
84 91.2 64.1 96.1

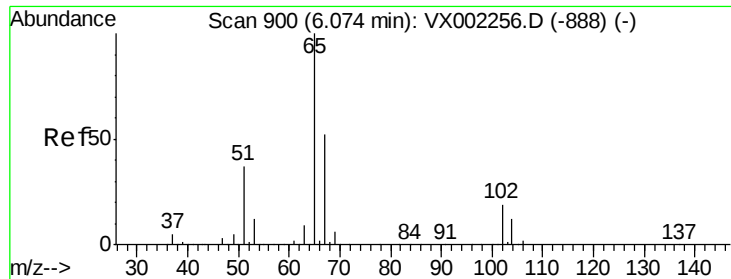


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.33 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

W-53

Tot Ion: 65 Resp: 146281

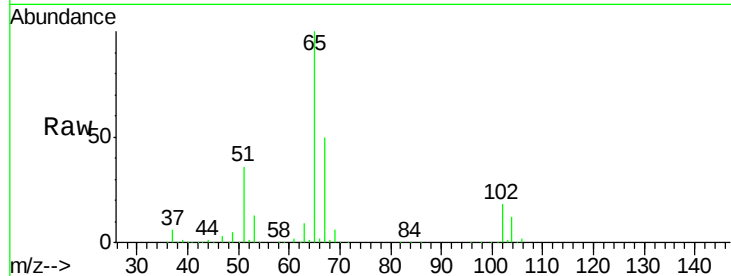
Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6

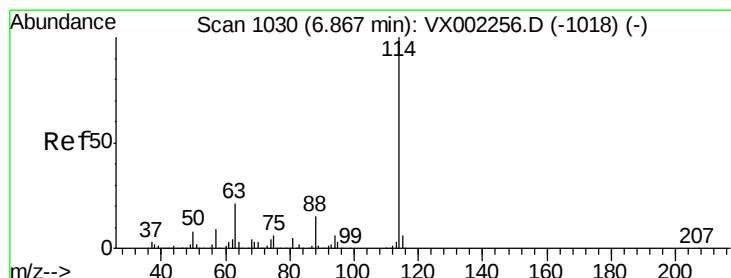
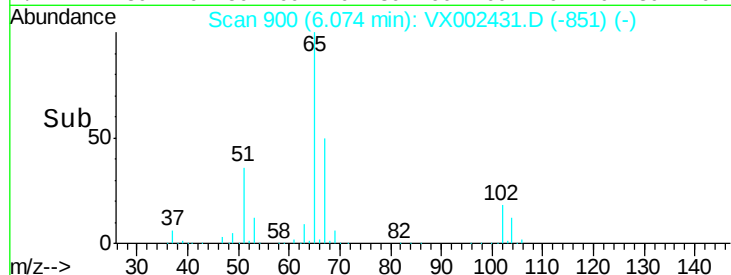
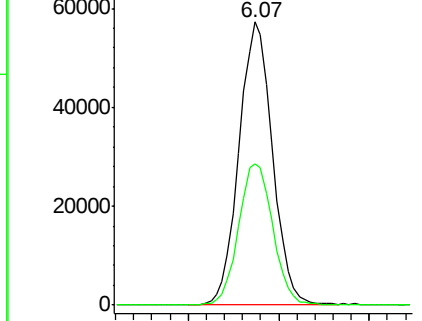
Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:57 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

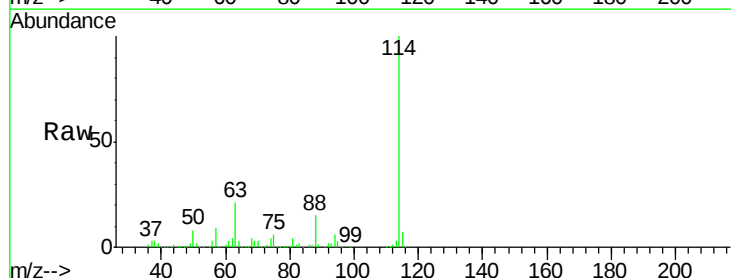
Tgt Ion: 114 Resp: 312094

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

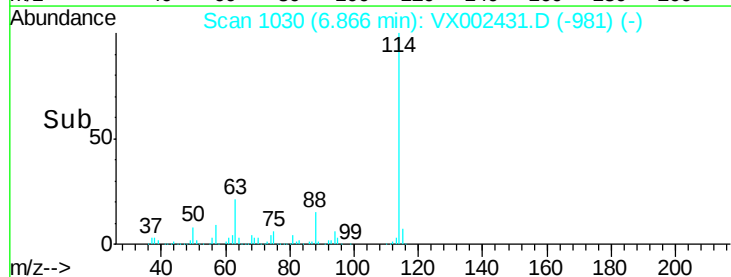
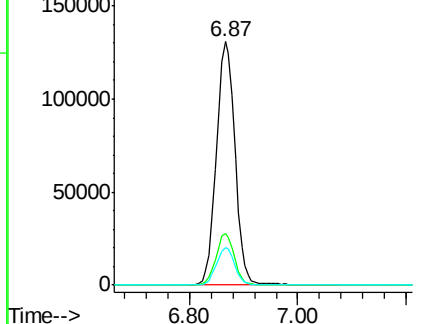
88 15.5 0.0 30.0

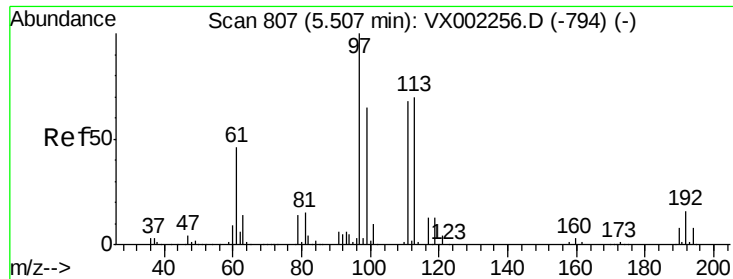


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.28 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

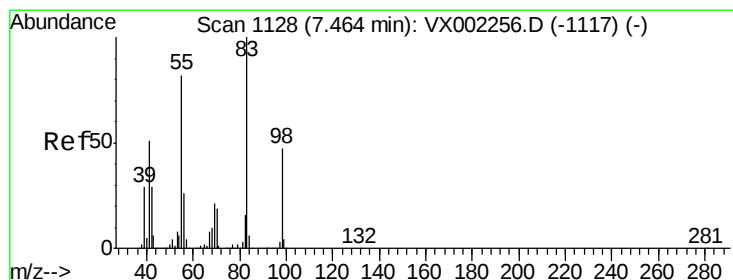
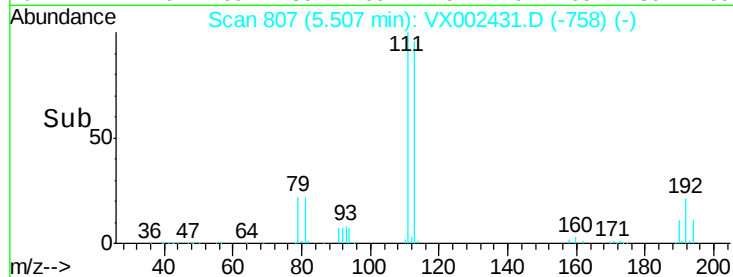
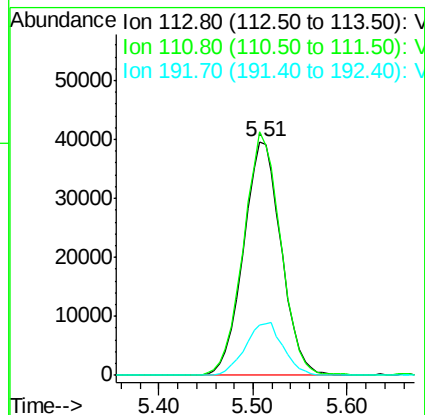
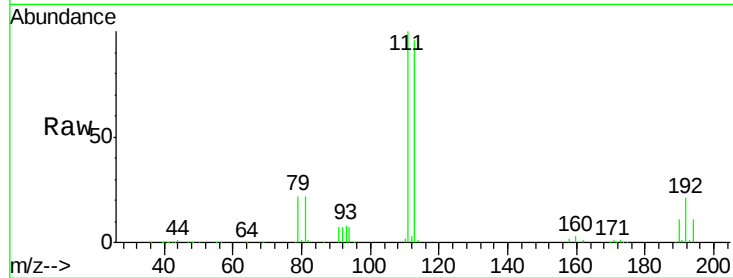
ClientSampled :

W-53

Tot Ion:	113	Resp:	111138
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.4	122.0
192	22.8	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:57 PM



#39

Methylcyclohexane

Concen: 2.46 ug/l

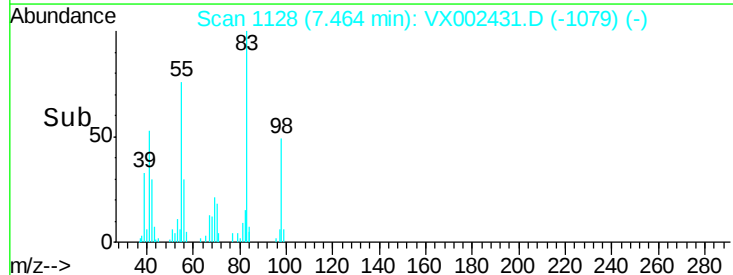
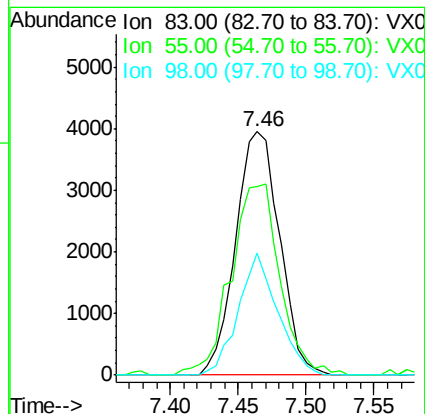
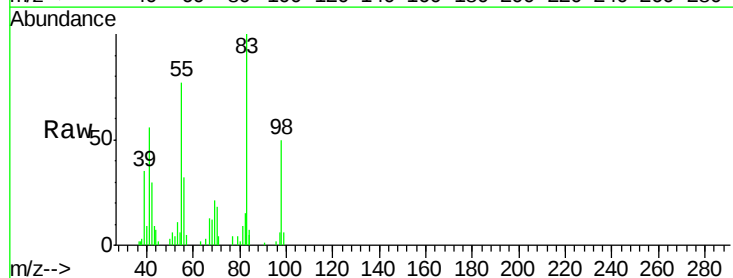
RT: 7.46 min Scan# 1128

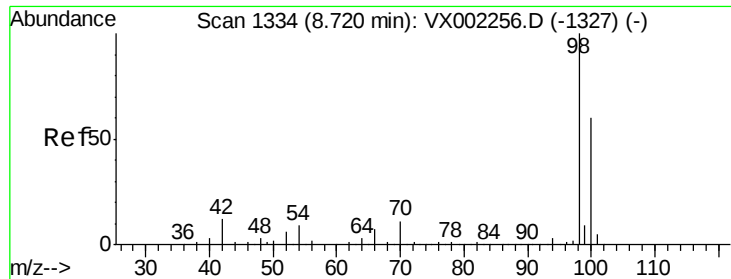
Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Tgt Ion:	83	Resp:	8953
Ion Ratio	Lower	Upper	
83	100		
55	75.5	65.4	98.0
98	50.3	37.4	56.0





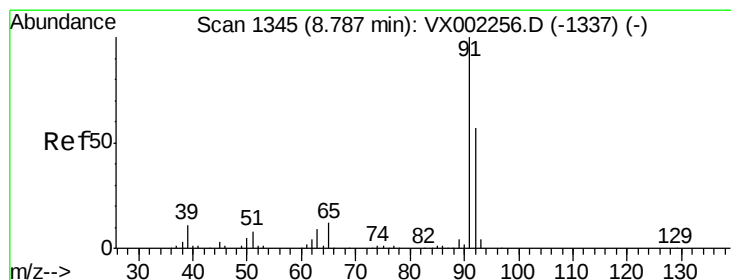
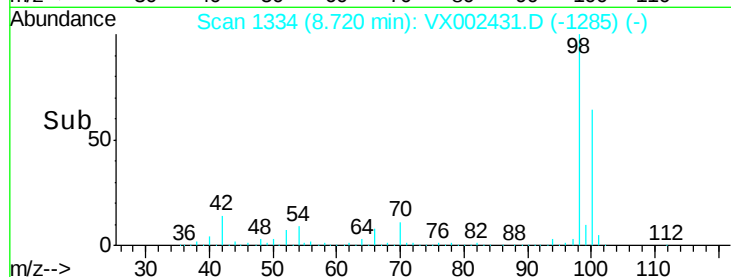
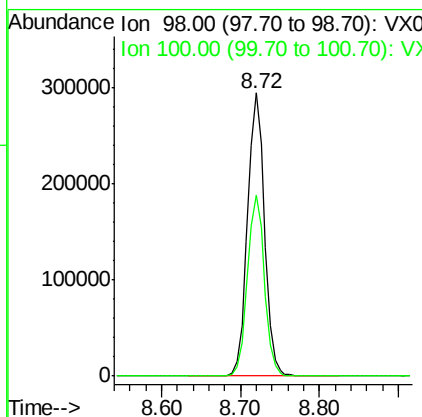
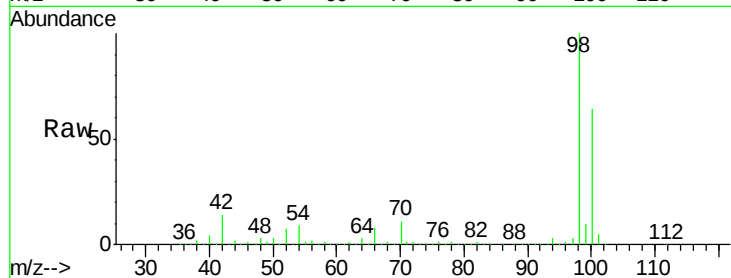
#50
Toluene-d8
Concen: 46.89 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :
W-53

Tot Ion: 98 Resp: 441121
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

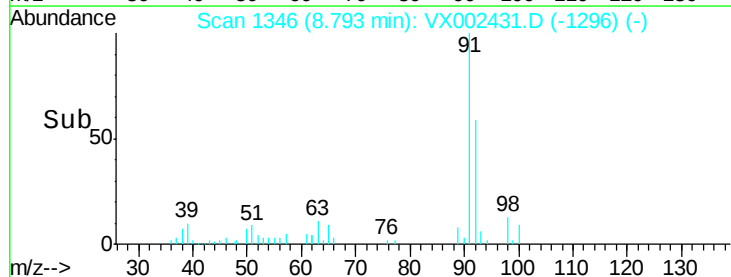
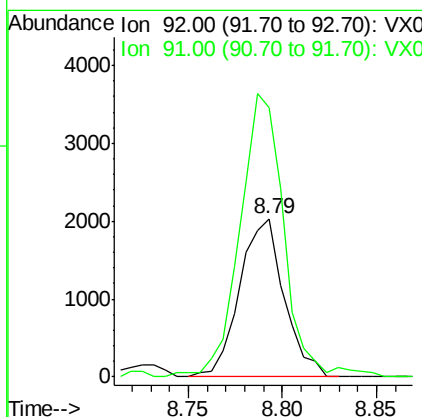
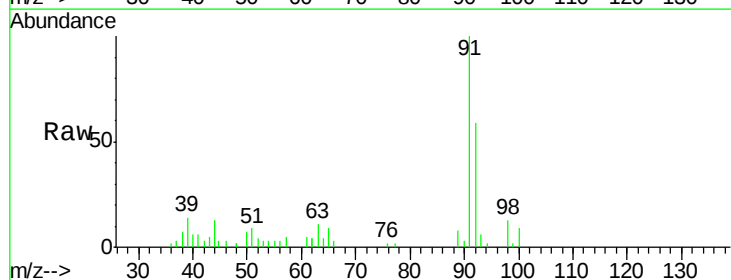
Manual Integrations
APPROVED

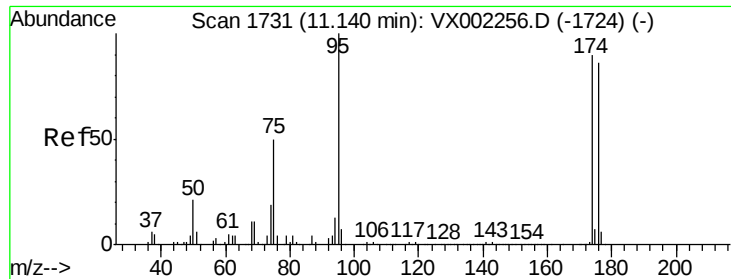
MMDadoda
6/11/2018 2:32:57 PM



#52
Toluene
Concen: 0.52 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 92 Resp: 3329
Ion Ratio Lower Upper
92 100
91 177.1 140.4 210.6





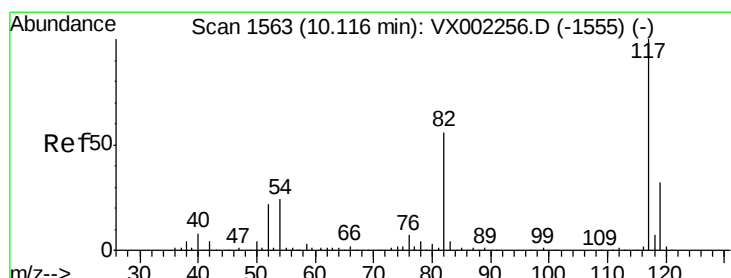
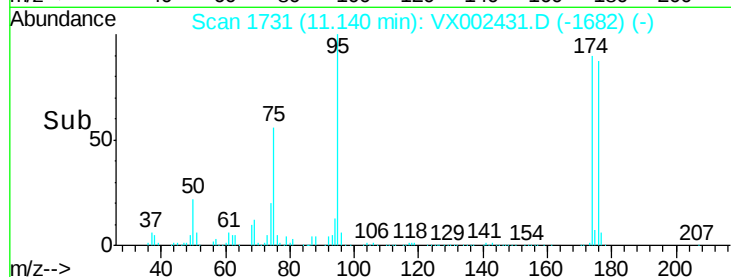
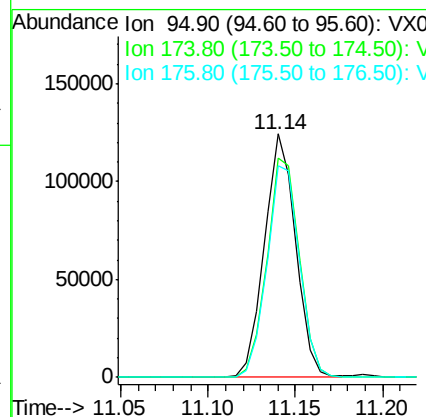
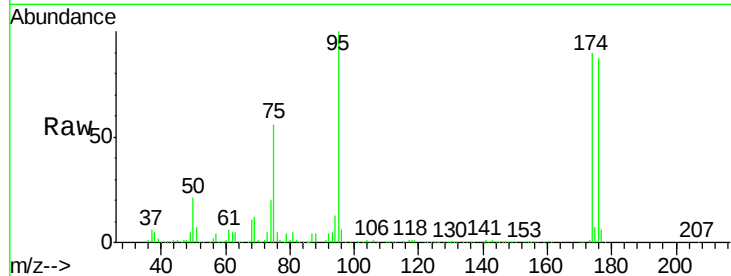
#62
4-Bromofluorobenzene
Concen: 42.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :
W-53

Tot Ion	Ratio	Resp	Lower	Upper
95	100	154351		
174	93.7	0.0	187.4	
176	90.8	0.0	181.0	

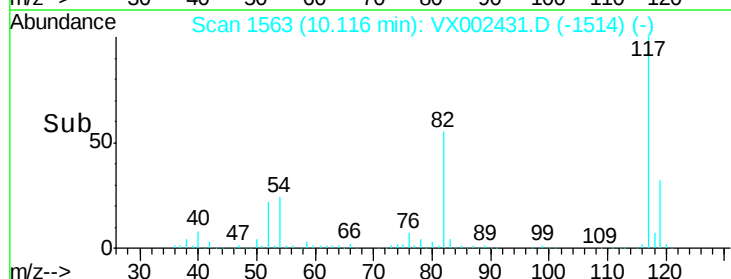
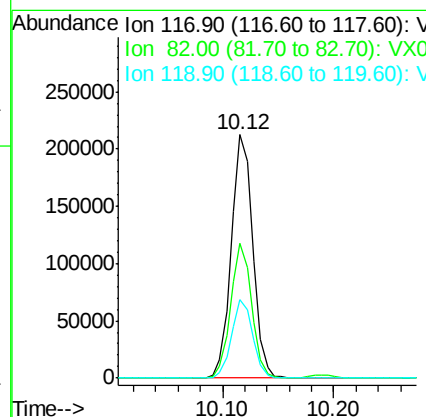
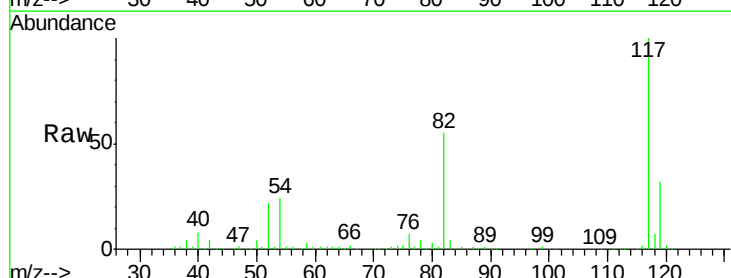
Manual Integrations
APPROVED

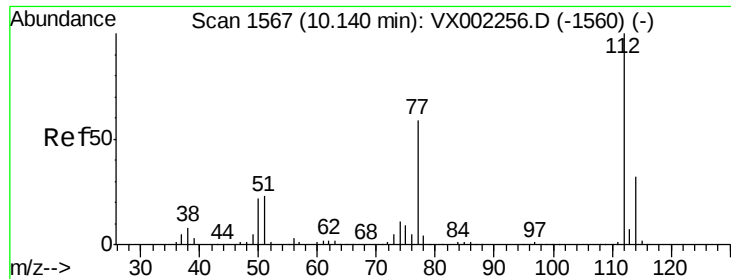
MMDadoda
6/11/2018 2:32:57 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	283527		
82	55.3	45.0	67.4	
119	32.1	25.8	38.6	





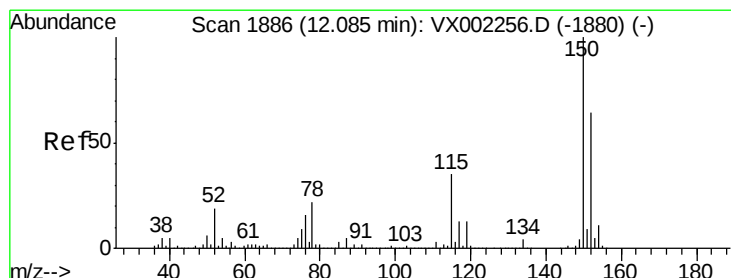
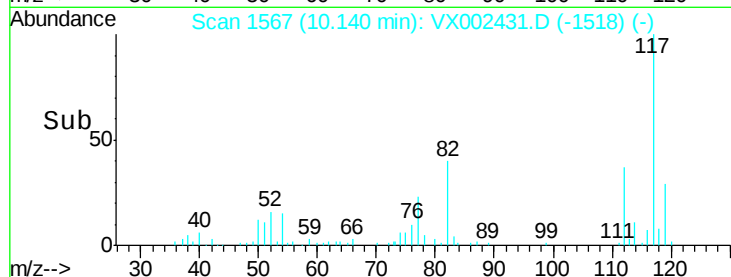
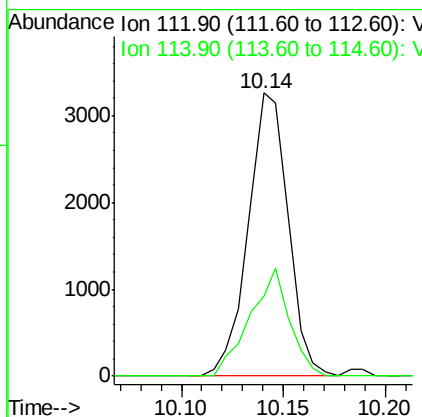
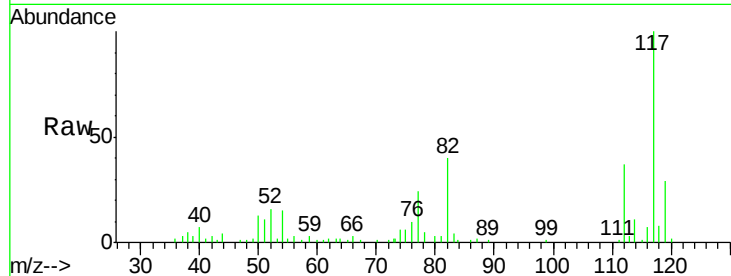
#65
Chlorobenzene
Concen: 0.63 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :
W-53

Tot Ion:112 Resp: 4446
Ion Ratio Lower Upper
112 100
114 28.4 25.3 37.9

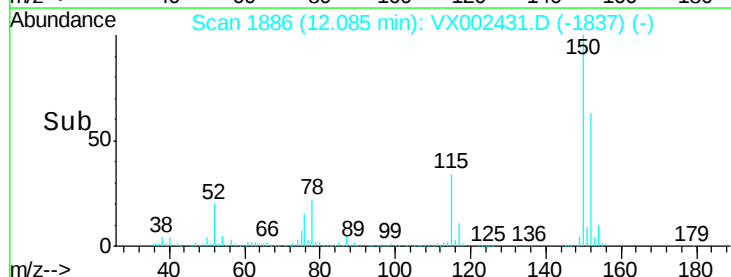
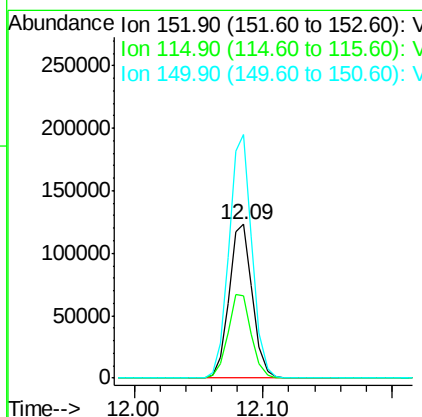
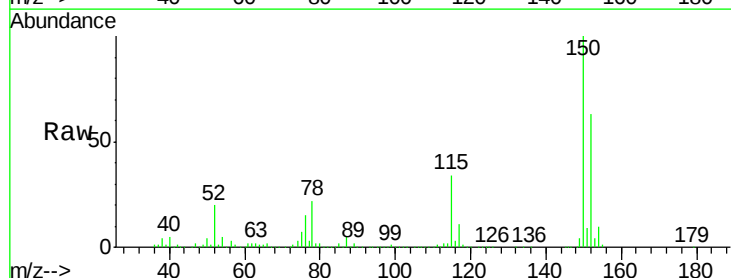
Manual Integrations
APPROVED

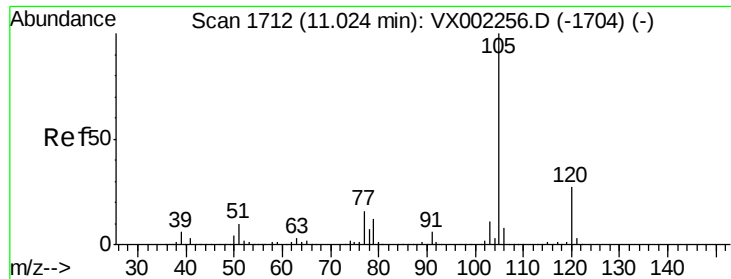
MMDadoda
6/11/2018 2:32:57 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion:152 Resp: 155764
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 156.3 0.0 347.2





#73

Isopropylbenzene

Concen: 9.11 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

ClientSampled :

W-53

Tot Ion: 105 Resp: 98713

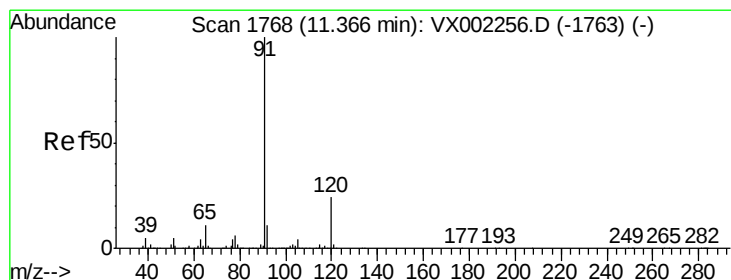
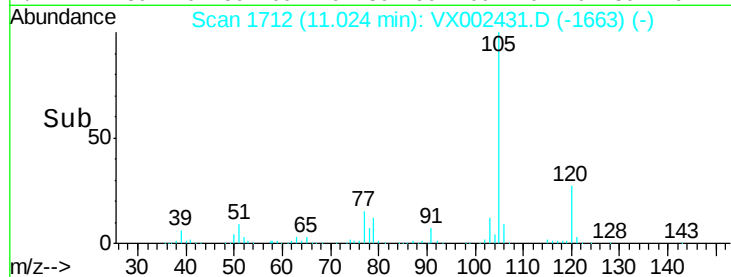
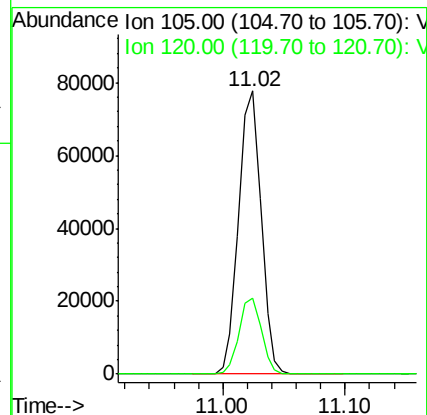
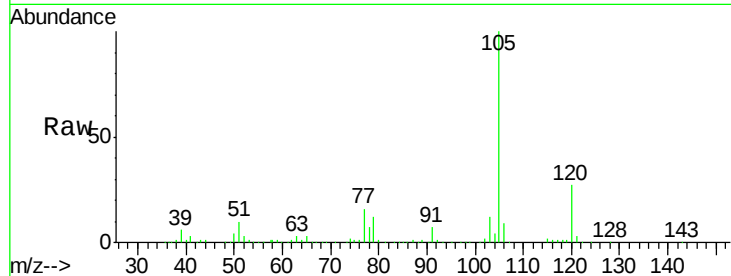
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4

Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:57 PM



#78

n-propylbenzene

Concen: 2.34 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002431.D

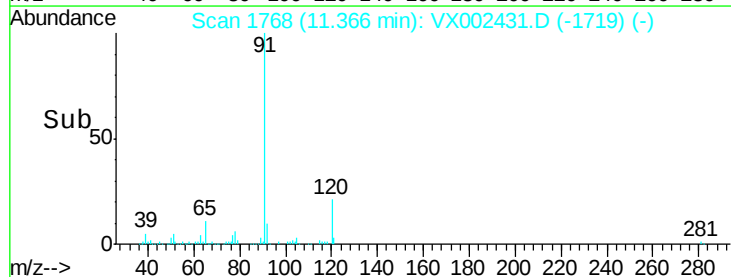
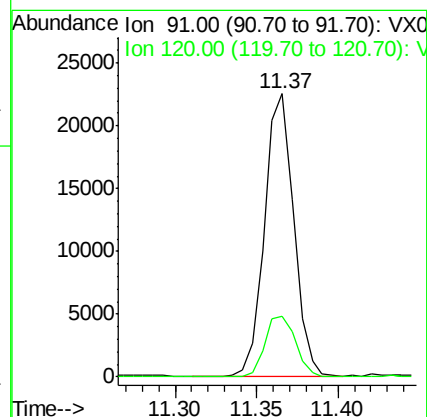
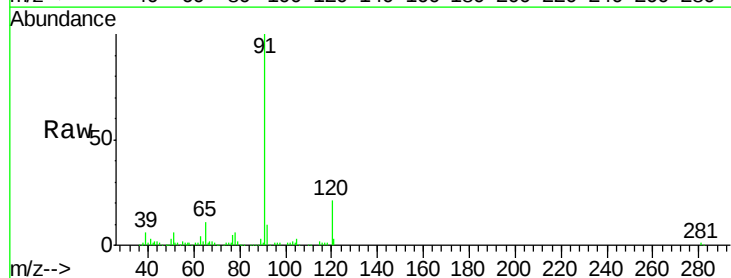
Acq: 09 Jun 2018 19:43

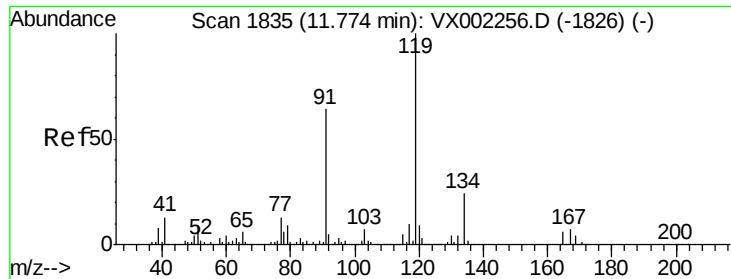
Tgt Ion: 91 Resp: 28131

Ion Ratio Lower Upper

91 100

120 22.4 11.8 35.4





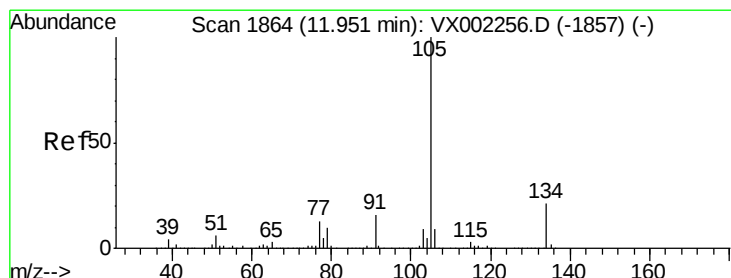
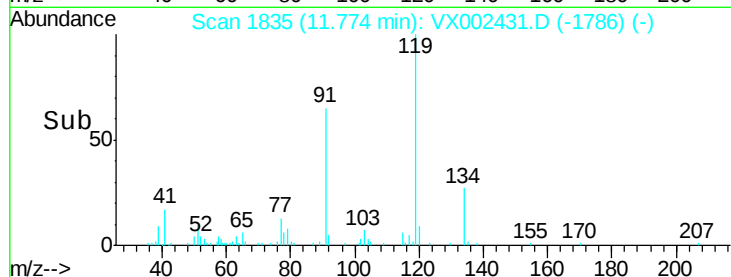
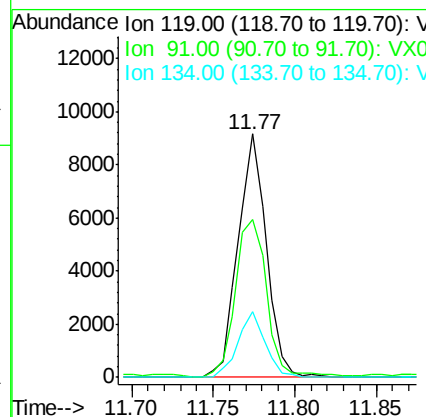
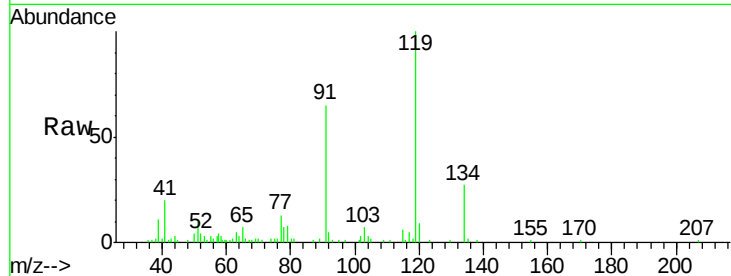
#83
tert-Butylbenzene
Concen: 1.22 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampled :
W-53

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.5	30.3	90.9
134	25.6	11.7	35.1

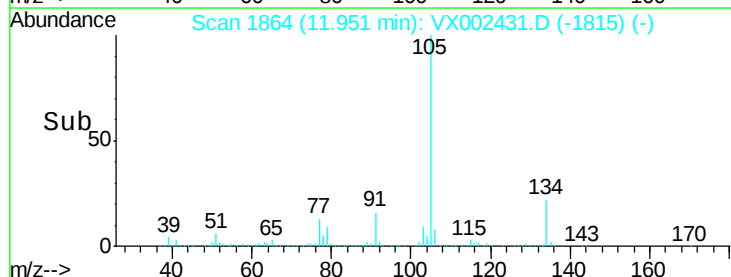
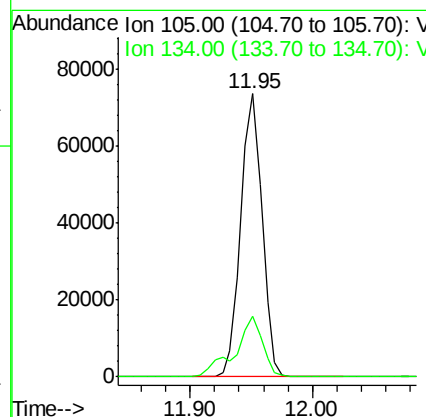
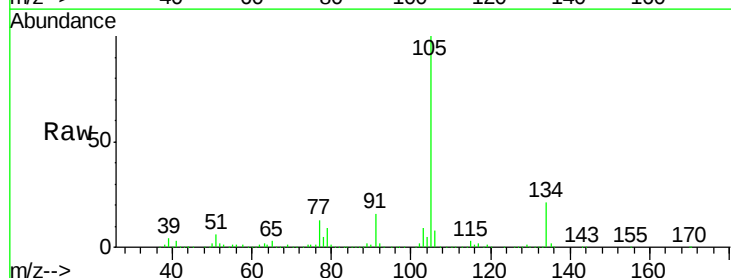
Manual Integrations
APPROVED

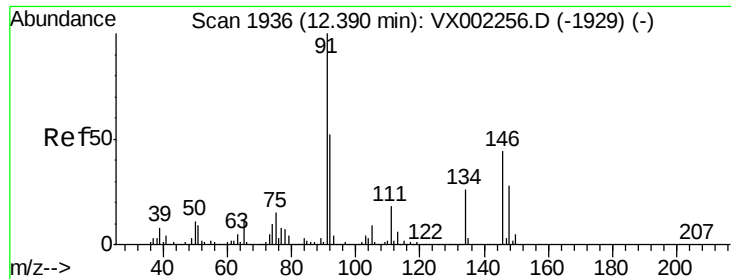
MMDadoda
6/11/2018 2:32:57 PM



#85
sec-Butylbenzene
Concen: 8.37 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion	Ratio	Lower	Upper
105	100		
134	27.5	10.4	31.1





#89
n-Butylbenzene
Concen: 2.91 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :
W-53

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.8	26.0	78.0
134	77.5	13.5	40.5#

Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:57 PM

