

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041219\
 Data File : VX008917.D
 Acq On : 13 Apr 2019 03:59
 Operator : JC/SP
 Sample : K2371-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-COMP

Manual Integrations
 APPROVED

MMDadoda
 4/13/2019 2:12:37 PM

Quant Time: Apr 13 07:03:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	264230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	128794	44.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.68%	
35) Dibromofluoromethane	5.50	113	94996	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	
50) Toluene-d8	8.72	98	390143	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.13	95	129775	45.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.98%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.05	59	83614	124.350	ug/l	99
16) Acetone	2.45	43	10376020	6272.252	ug/l	94
18) Methyl Acetate	2.78	43	476603	118.792	ug/l	99
20) Methylene Chloride	2.86	84	11956	4.318	ug/l	99
25) 2-Butanone	4.68	43	277064	105.967	ug/l	100
39) Methylcyclohexane	7.47	83	1865	0.437	ug/l #	62
40) Benzene	6.15	78	5286	0.514	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	180215	38.757	ug/l	100
52) Toluene	8.80	92	12932231	2131.423	ug/l	77
67) Ethyl Benzene	10.25	91	732180	67.039	ug/l	100
68) m/p-Xylenes	10.36	106	1161402	295.753	ug/l	97
69) o-Xylene	10.70	106	460601	121.031	ug/l	97
73) Isopropylbenzene	11.02	105	45810	4.707	ug/l	98
78) n-propylbenzene	11.36	91	187578	16.554	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	316984	38.805	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	748979	90.551	ug/l	99
85) sec-Butylbenzene	11.94	105	5900m	0.632	ug/l	
86) p-Isopropyltoluene	12.06	119	5110	0.610	ug/l #	72
95) Naphthalene	13.83	128	7896	0.817	ug/l #	90

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

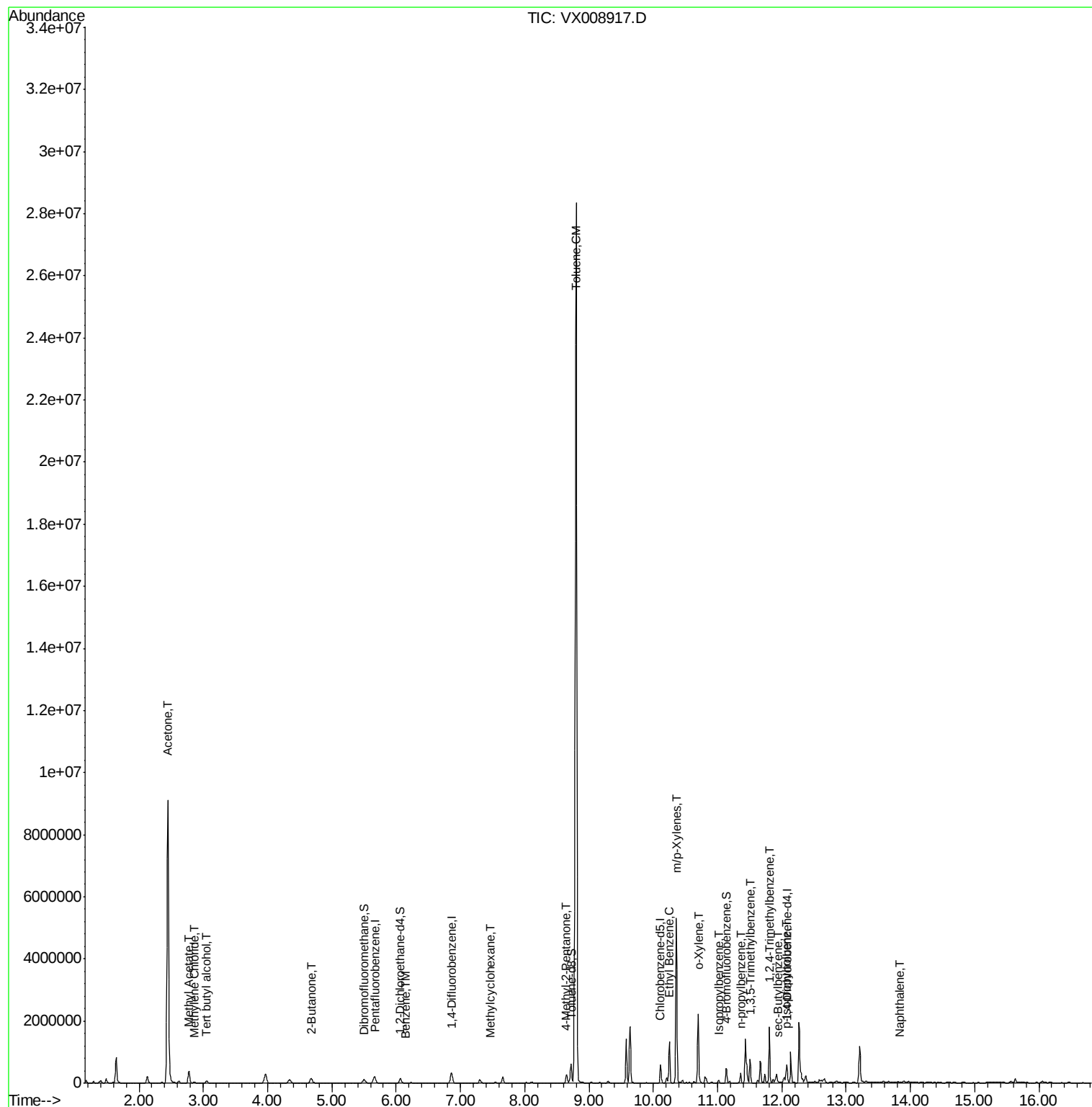
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
Data File : VX008917.D
Acq On : 13 Apr 2019 03:59
Operator : JC/SP
Sample : K2371-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

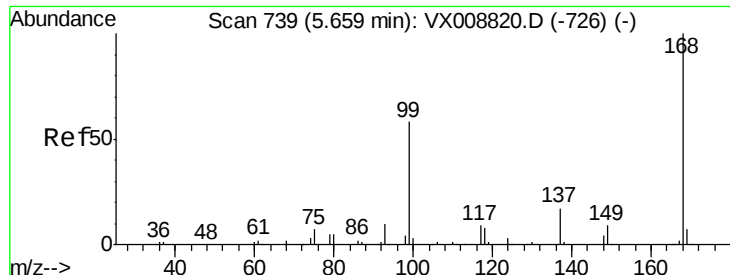
Instrument :
MSVOA_X
ClientSampleId :
OK-COMP

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:37 PM

Quant Time: Apr 13 07:03:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008917.D

Acq: 13 Apr 2019 03:59

Instrument :

MSVOA_X

ClientSampleId :

OK-COMP

Tgt Ion:168 Resp: 196917

Ion Ratio Lower Upper

168 100

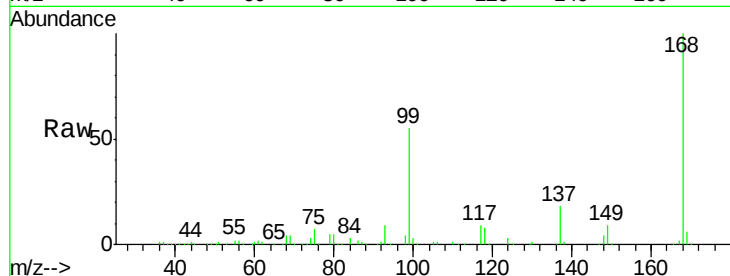
99 55.4 46.7 70.1

Manual Integrations

APPROVED

MMDadoda

4/13/2019 2:12:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

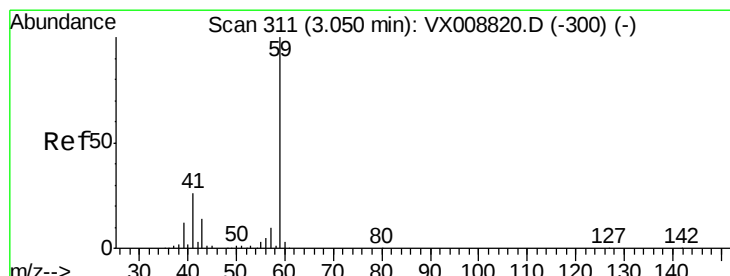
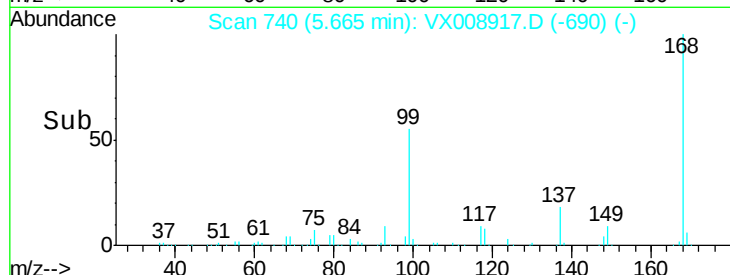
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 124.350 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.01 min

Lab File: VX008917.D

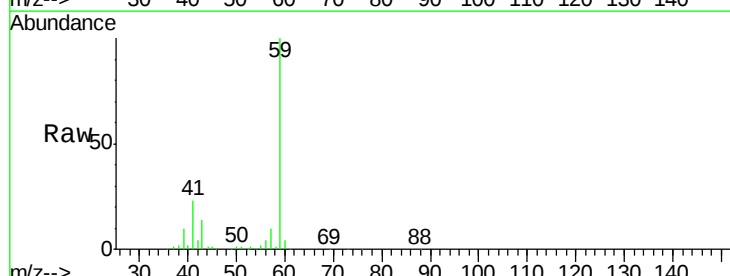
Acq: 13 Apr 2019 03:59

Tgt Ion: 59 Resp: 83614

Ion Ratio Lower Upper

59 100

57 10.2 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.05

40000

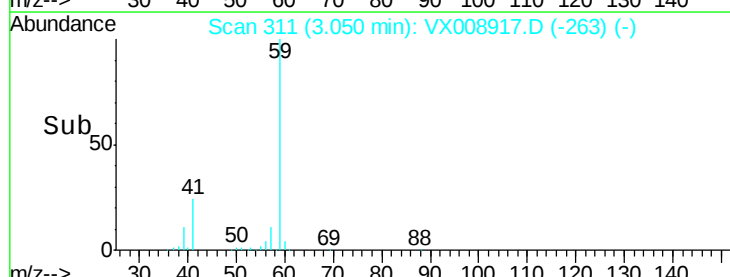
30000

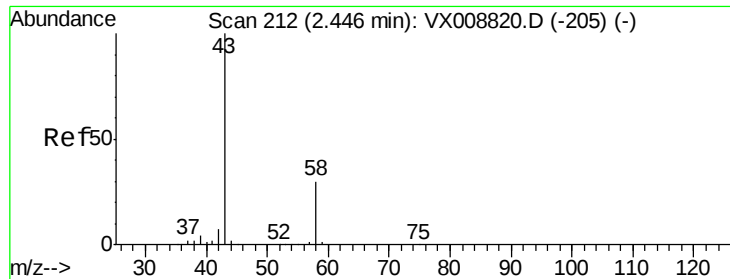
20000

10000

0

Time--> 2.90 3.00 3.10 3.20





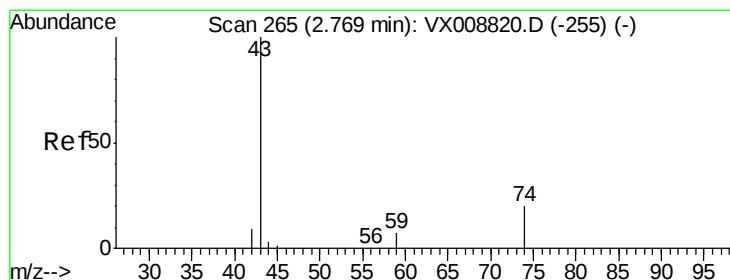
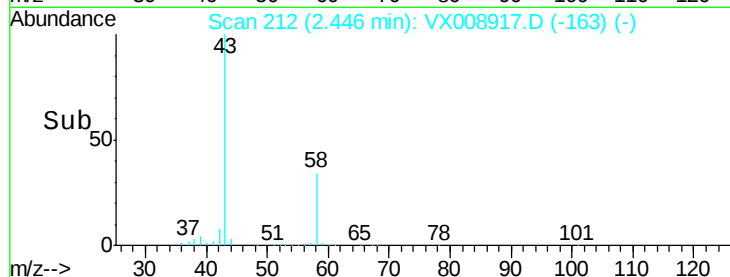
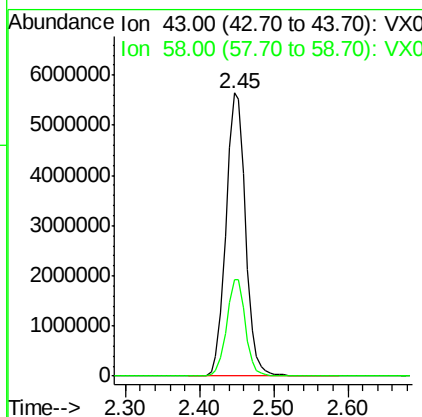
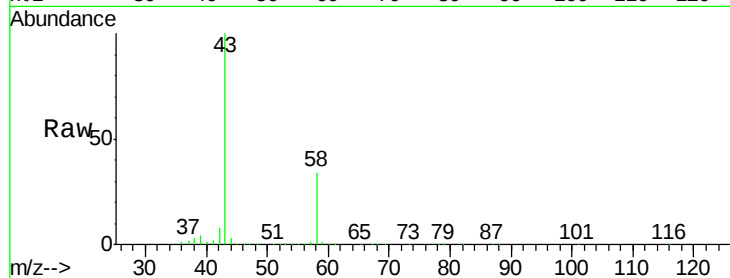
#16
Acetone
Concen: 6272.252 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Instrument :
MSVOA_X
ClientSampleId :
OK-COMP

Tgt Ion: 43 Resp:10376020
Ion Ratio Lower Upper
43 100
58 34.3 24.8 37.2

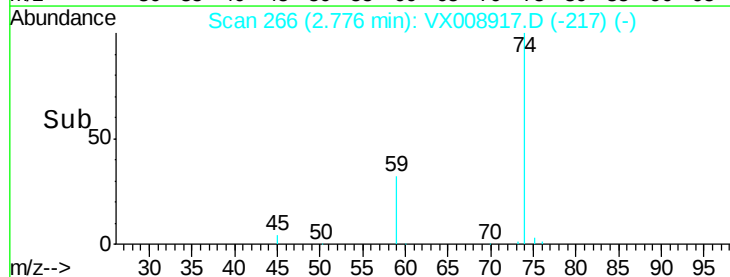
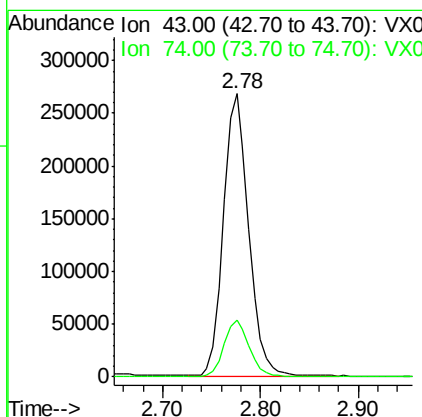
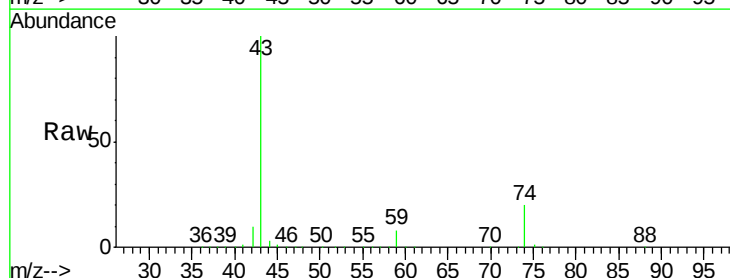
Manual Integrations
APPROVED

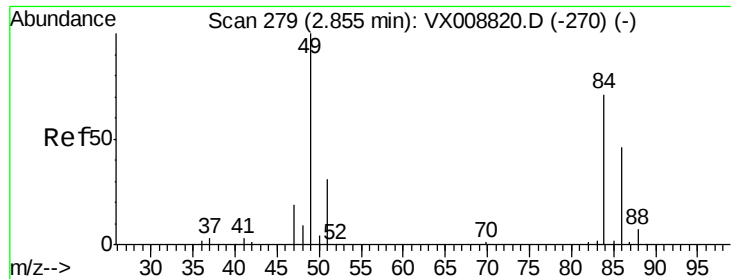
MMDadoda
4/13/2019 2:12:37 PM



#18
Methyl Acetate
Concen: 118.792 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Tgt Ion: 43 Resp: 476603
Ion Ratio Lower Upper
43 100
74 20.0 16.5 24.7





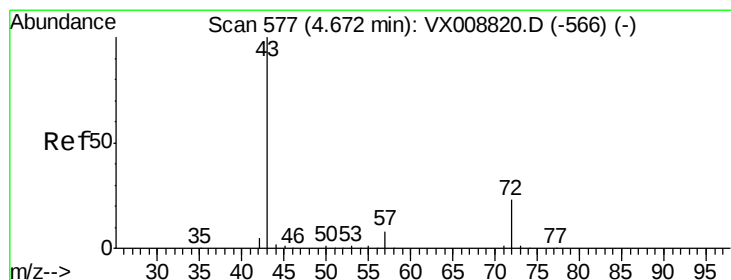
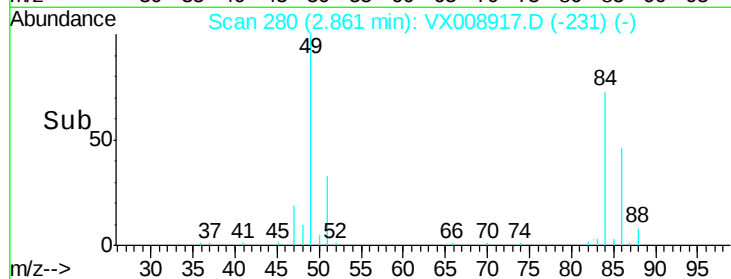
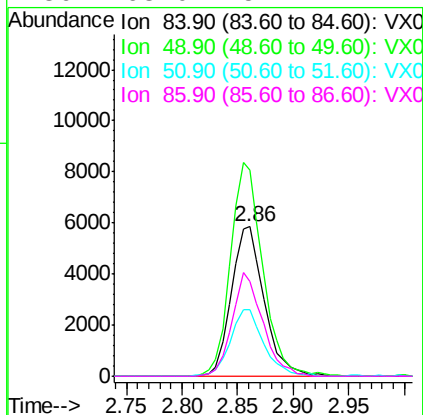
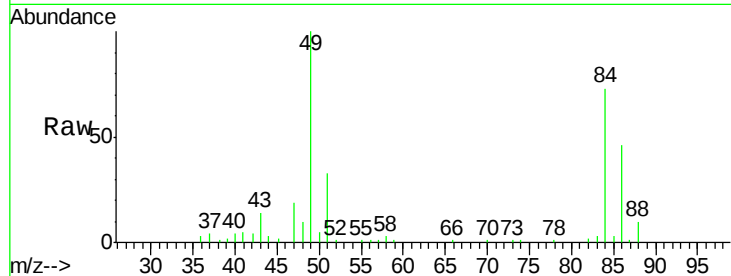
#20
Methylene Chloride
Concen: 4.318 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Instrument :
MSVOA_X
ClientSampleId :
OK-COMP

Tgt Ion:	84	Resp:	11956
Ion	Ratio	Lower	Upper
84	100		
49	137.3	109.7	164.5
51	44.7	33.6	50.4
86	63.0	51.4	77.2

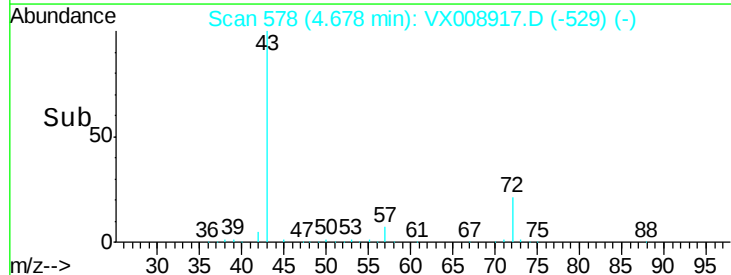
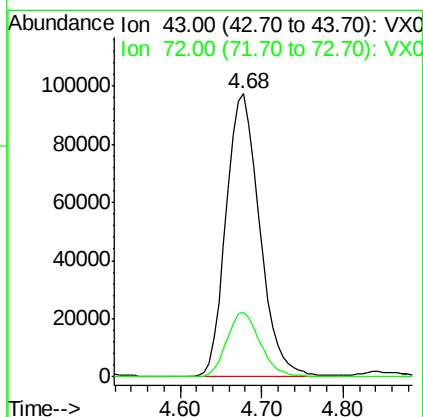
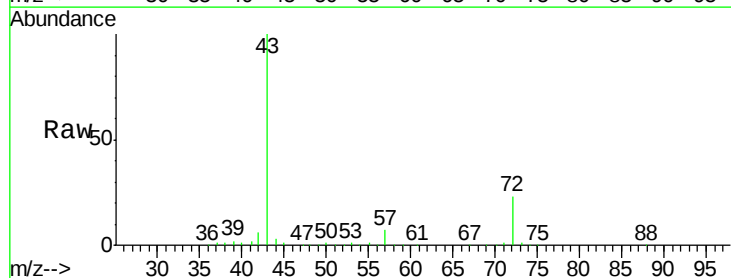
Manual Integrations
APPROVED

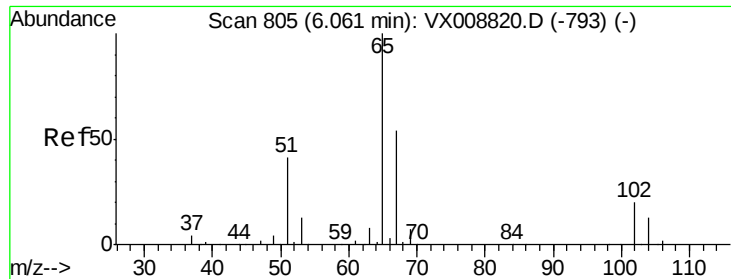
MMDadoda
4/13/2019 2:12:37 PM



#25
2-Butanone
Concen: 105.967 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Tgt Ion:	43	Resp:	277064
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.2	27.4





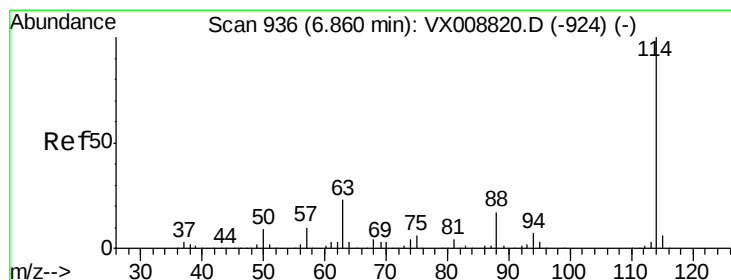
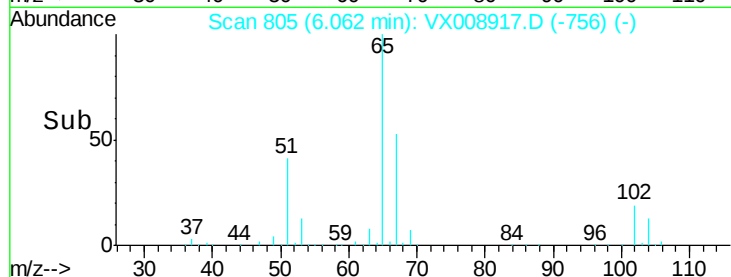
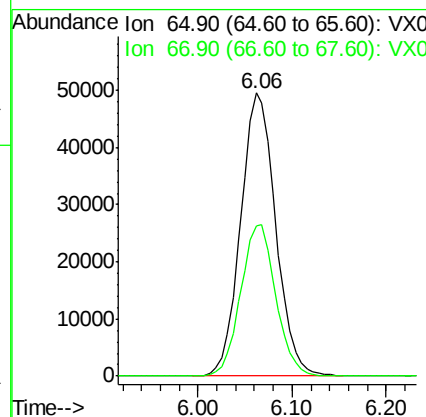
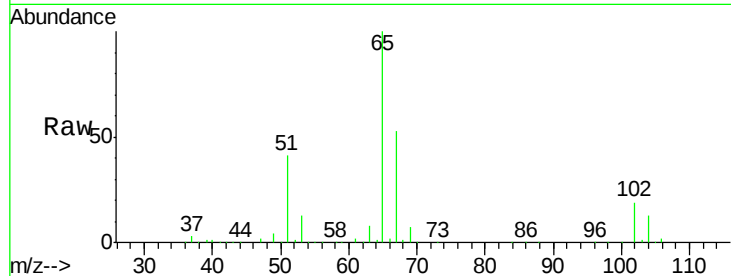
#33
 1,2-Dichloroethane-d4
 Concen: 44.842 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-COMP

Tgt Ion: 65 Resp: 128794
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2

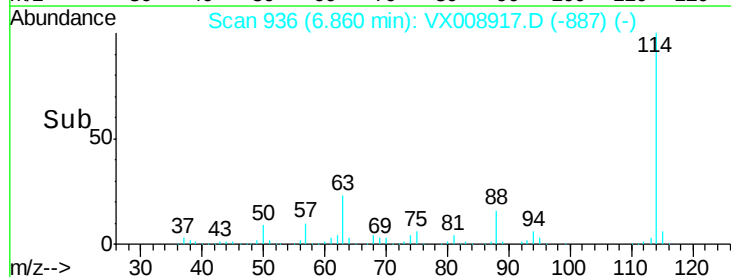
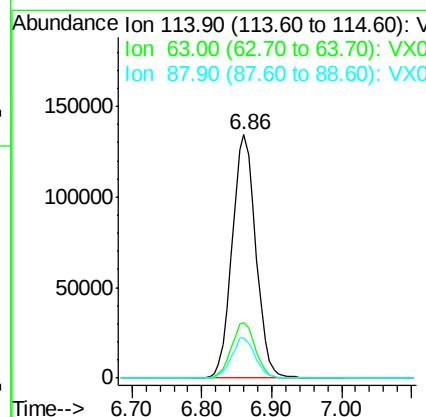
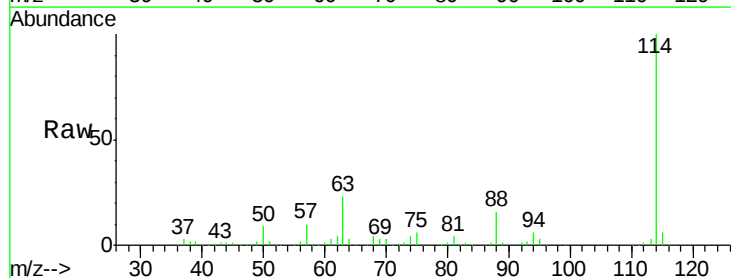
Manual Integrations
 APPROVED

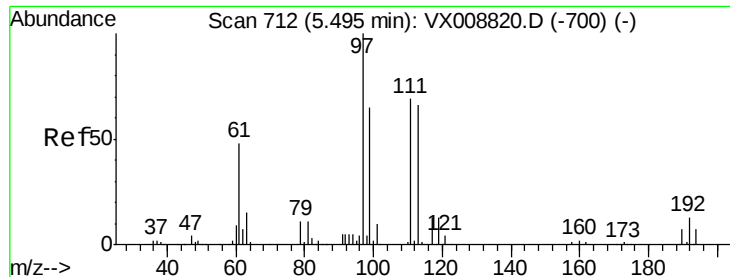
MMDadoda
 4/13/2019 2:12:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Tgt Ion: 114 Resp: 316034
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.3 0.0 34.0





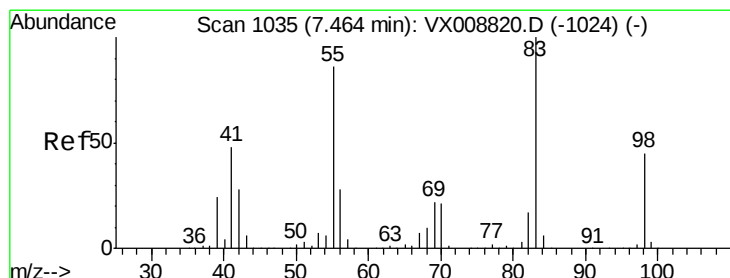
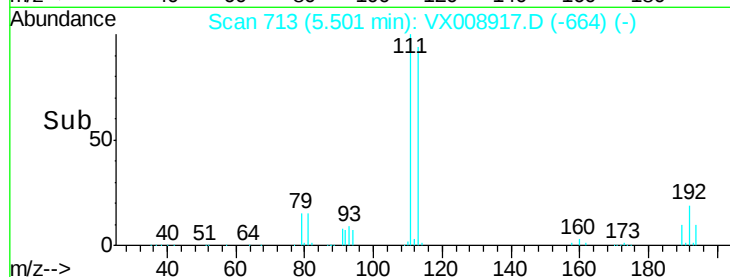
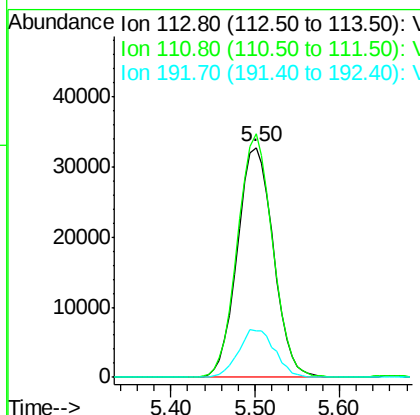
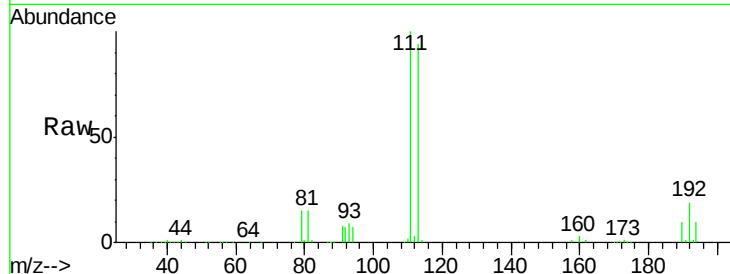
#35
 Dibromofluoromethane
 Concen: 47.014 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	94996		
111	103.3	83.4	125.2	
192	21.2	16.1	24.1	

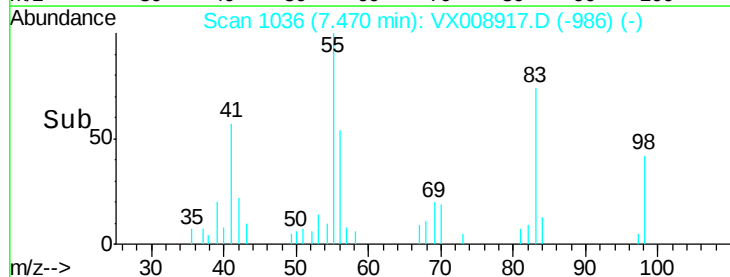
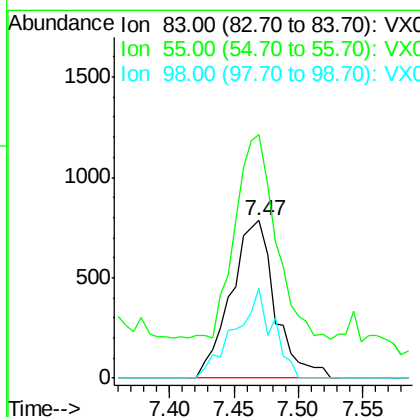
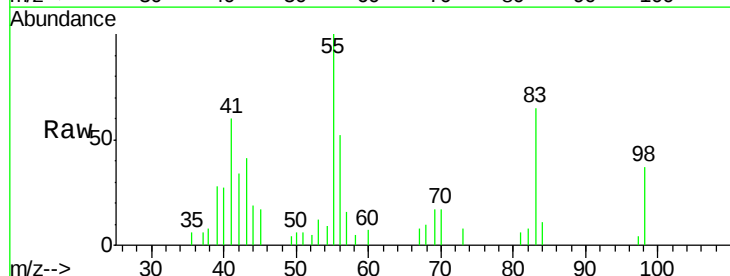
Manual Integrations
 APPROVED

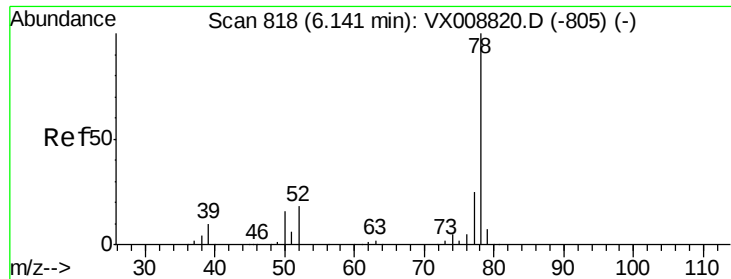
MMDadoda
 4/13/2019 2:12:37 PM



#39
 Methylcyclohexane
 Concen: 0.437 ug/l
 RT: 7.47 min Scan# 1036
 Delta R.T. 0.01 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1865		
55	129.1	69.0	103.6#	
98	57.3	34.4	51.6#	





#40

Benzene

Concen: 0.514 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008917.D

Acq: 13 Apr 2019 03:59

Instrument :

MSVOA_X

ClientSampleId :

OK-COMP

Tgt Ion: 78 Resp: 5286

Ion Ratio Lower Upper

78 100

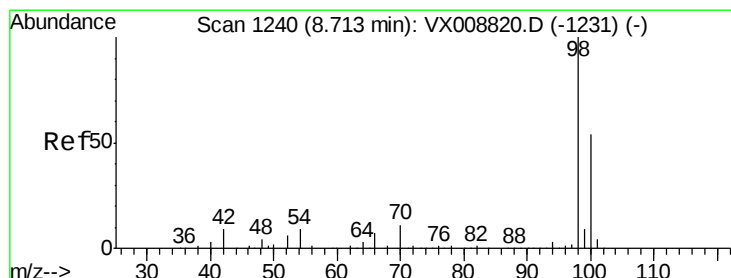
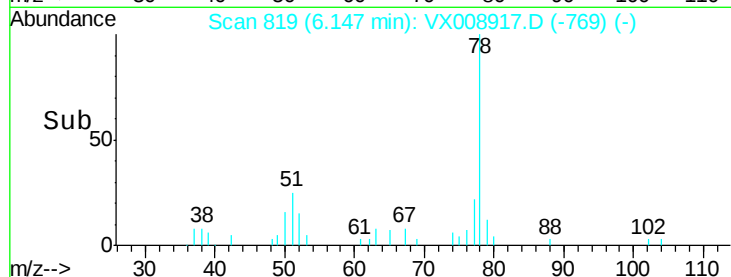
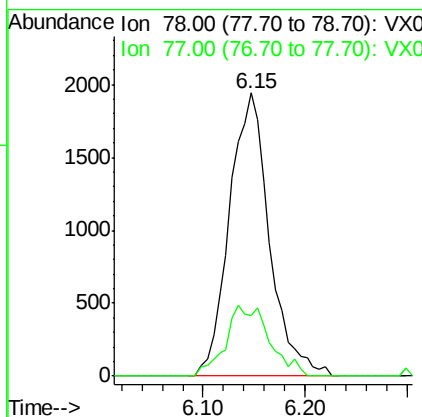
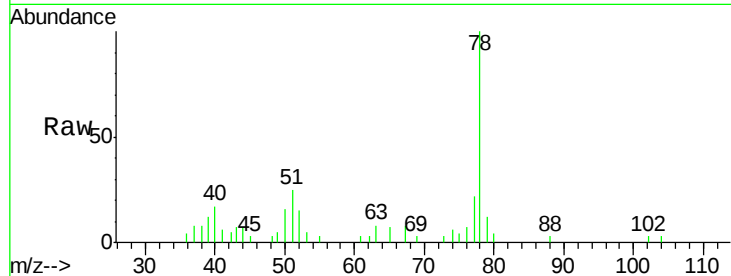
77 21.6 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

4/13/2019 2:12:37 PM



#50

Toluene-d8

Concen: 48.492 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX008917.D

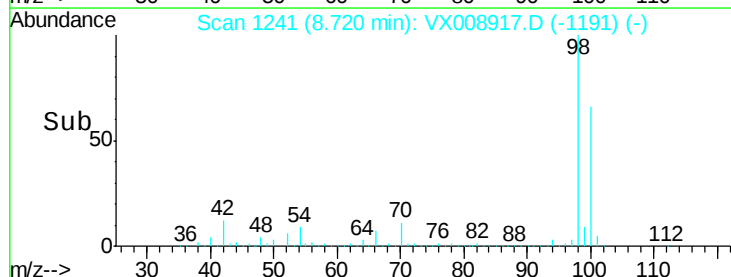
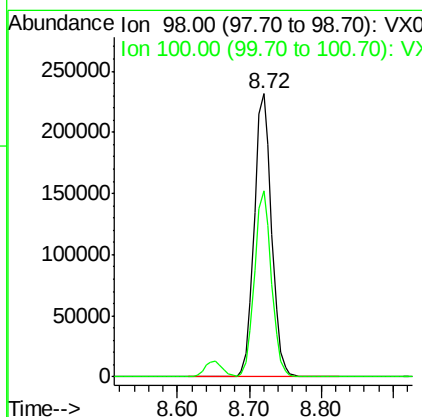
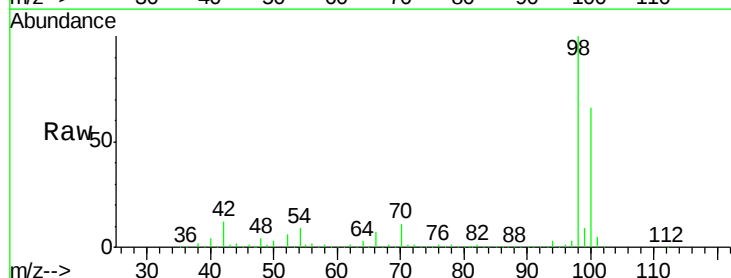
Acq: 13 Apr 2019 03:59

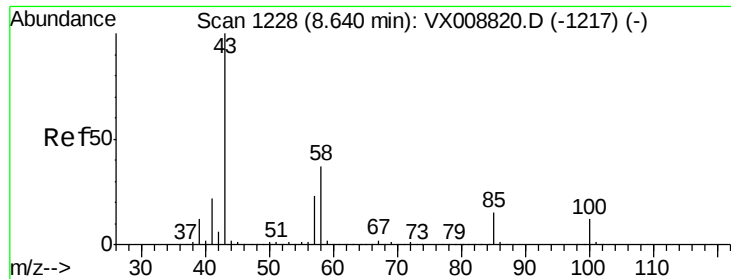
Tgt Ion: 98 Resp: 390143

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0





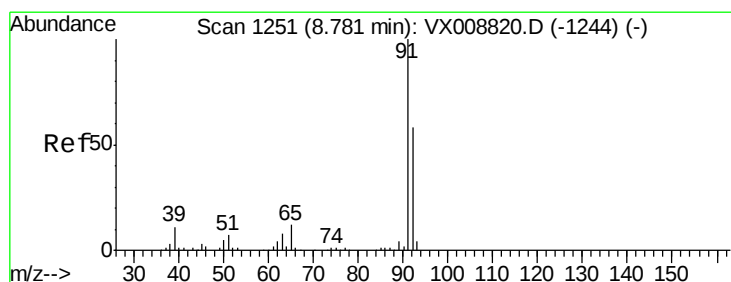
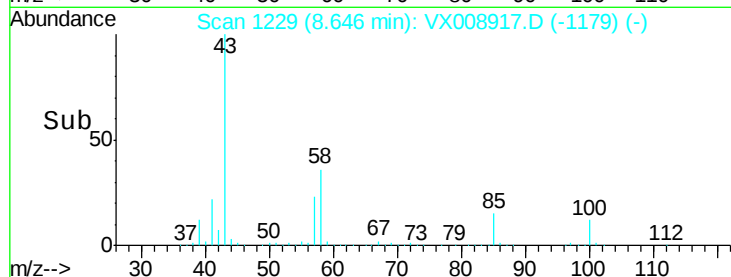
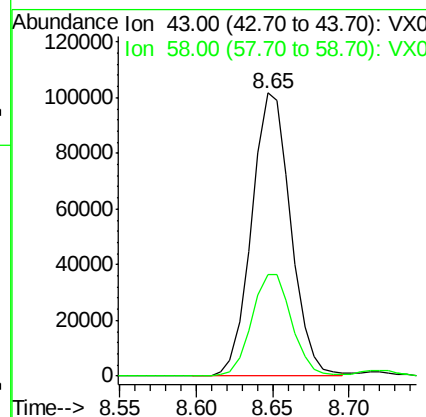
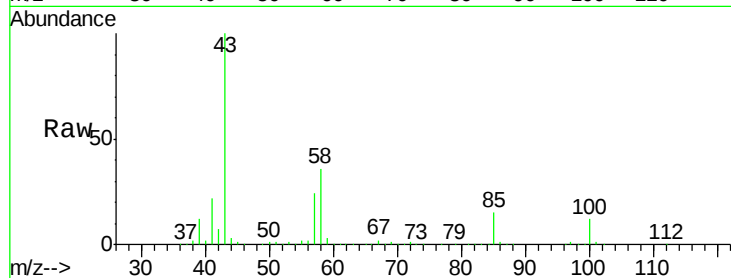
#51
 4-Methyl-2-Pentanone
 Concen: 38.757 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-COMP

Tgt Ion: 43 Resp: 180215
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3

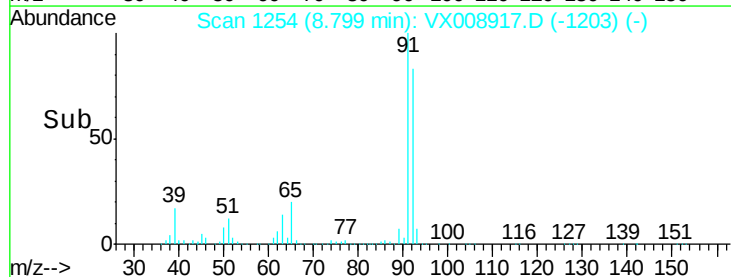
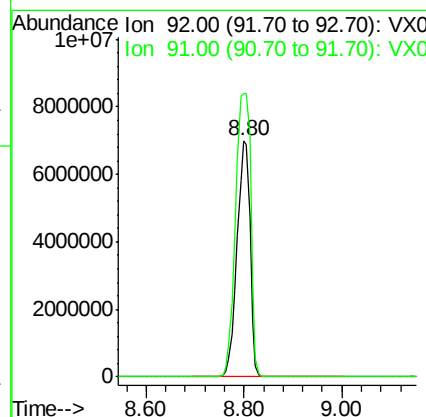
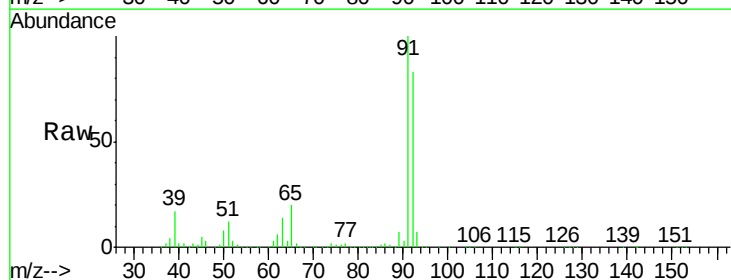
Manual Integrations
 APPROVED

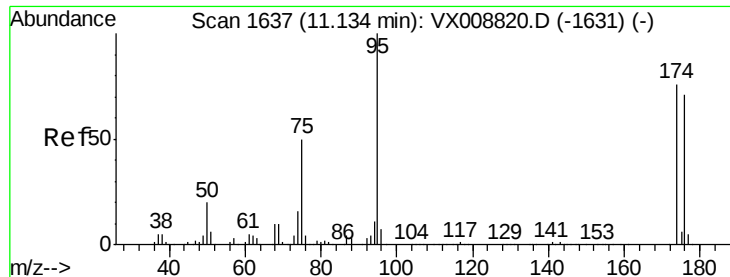
MMDadoda
 4/13/2019 2:12:37 PM



#52
 Toluene
 Concen: 2131.423 ug/l
 RT: 8.80 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Tgt Ion: 92 Resp: 12932231
 Ion Ratio Lower Upper
 92 100
 91 141.2 138.5 207.7





#62

4-Bromofluorobenzene

Concen: 45.486 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008917.D

Acq: 13 Apr 2019 03:59

Instrument :

MSVOA_X

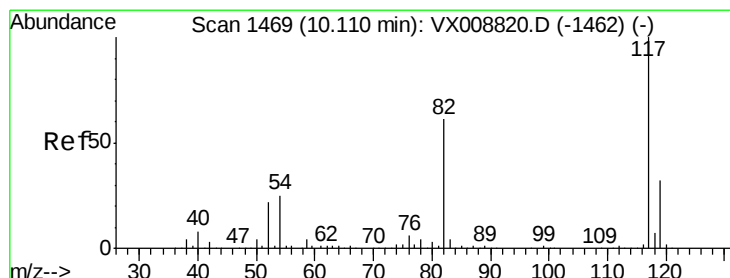
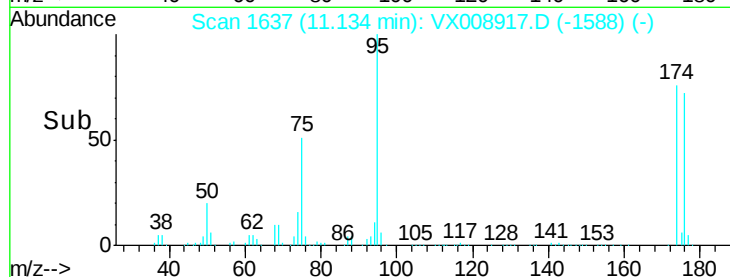
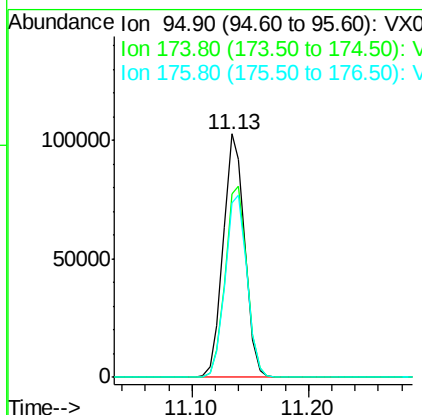
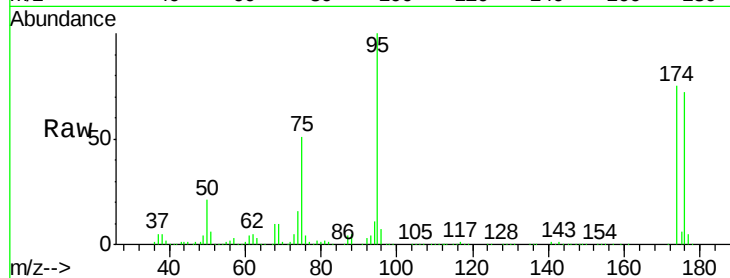
ClientSampled :

OK-COMP

Tgt Ion:	95	Resp:	129775
Ion Ratio	Lower	Upper	
95	100		
174	80.0	0.0	151.8
176	76.8	0.0	145.8

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:37 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

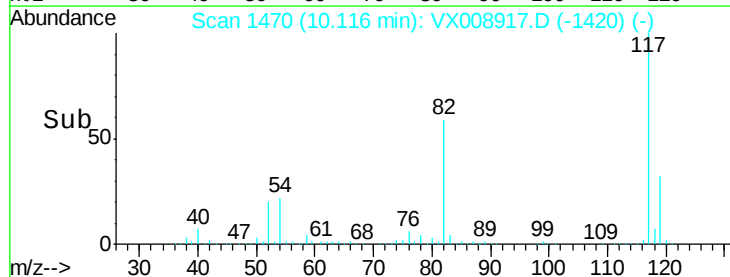
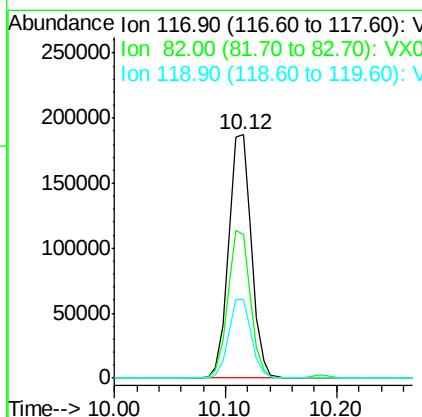
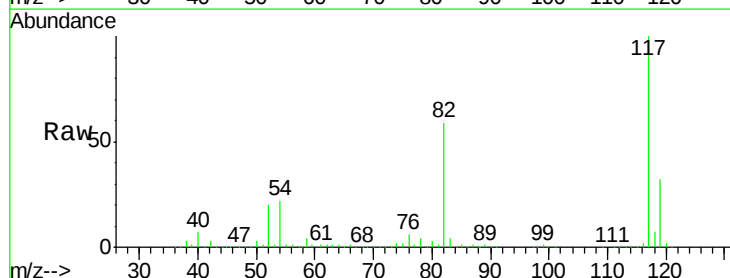
RT: 10.12 min Scan# 1470

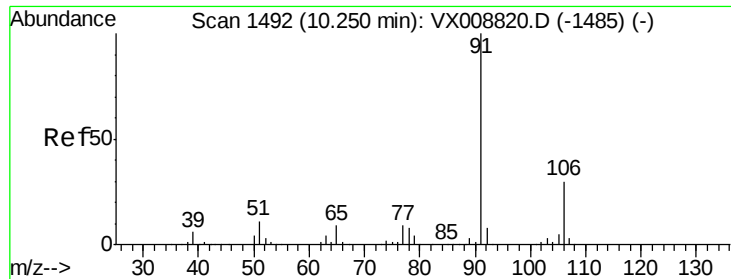
Delta R.T. 0.01 min

Lab File: VX008917.D

Acq: 13 Apr 2019 03:59

Tgt Ion:	117	Resp:	264230
Ion Ratio	Lower	Upper	
117	100		
82	59.1	49.6	74.4
119	32.2	25.0	37.4





#67

Ethyl Benzene

Concen: 67.039 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008917.D

Acq: 13 Apr 2019 03:59

Instrument :

MSVOA_X

ClientSampleId :

OK-COMP

Tgt Ion: 91 Resp: 732180

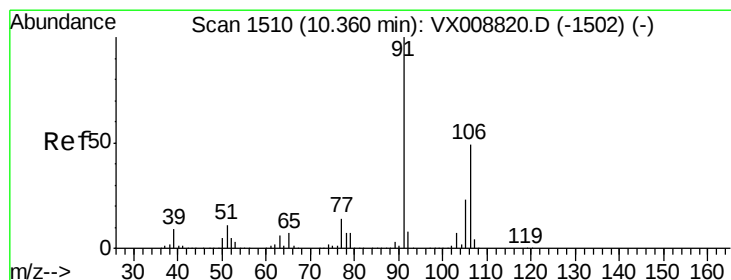
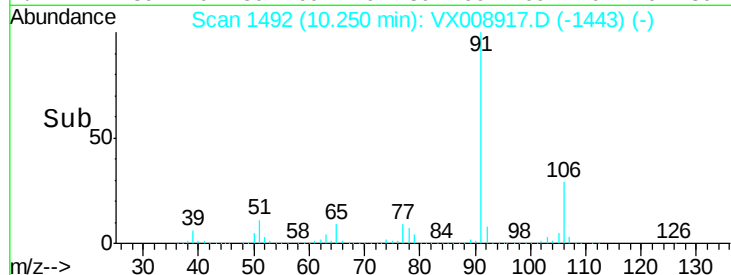
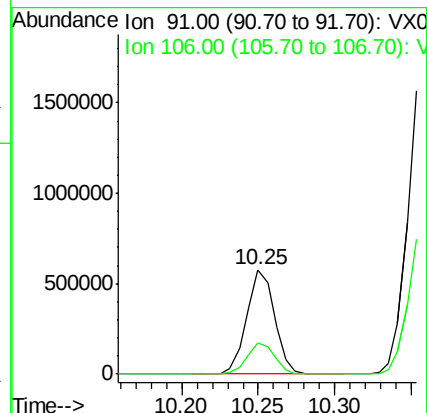
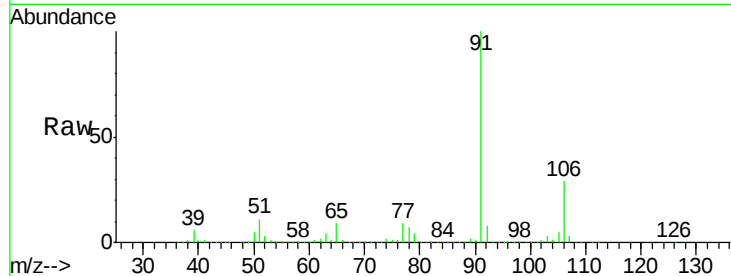
Ion Ratio Lower Upper

91 100

106 29.5 23.7 35.5

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:37 PM



#68

m/p-Xylenes

Concen: 295.753 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008917.D

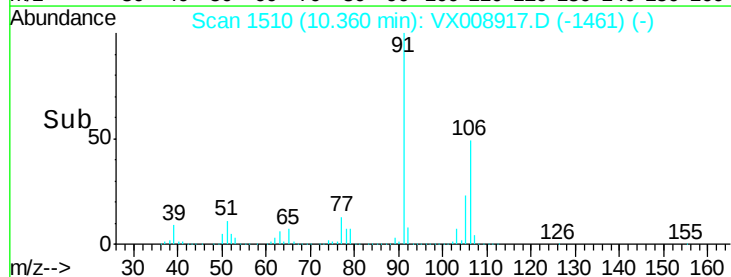
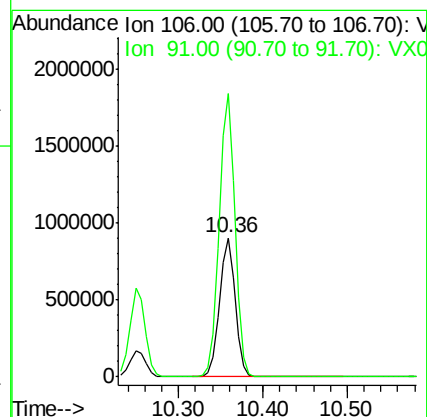
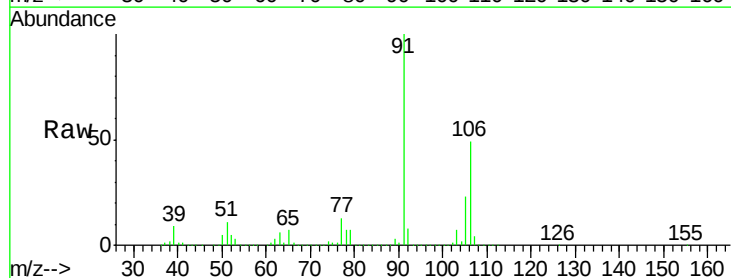
Acq: 13 Apr 2019 03:59

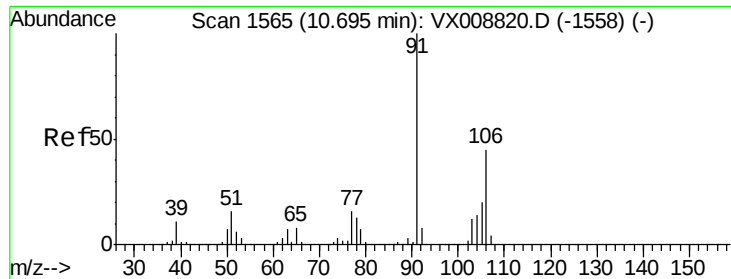
Tgt Ion: 106 Resp: 1161402

Ion Ratio Lower Upper

106 100

91 205.7 168.5 252.7





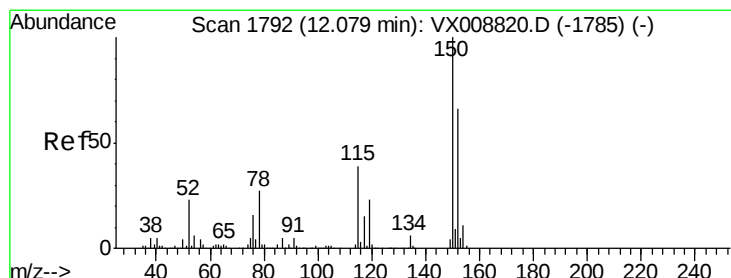
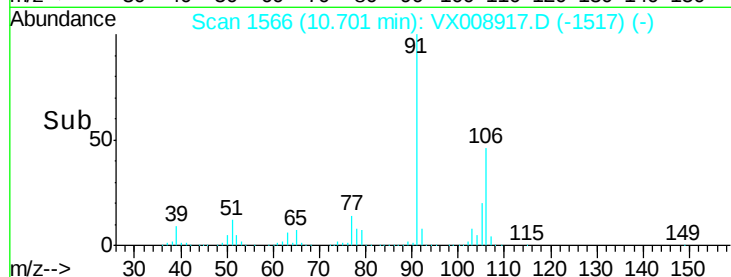
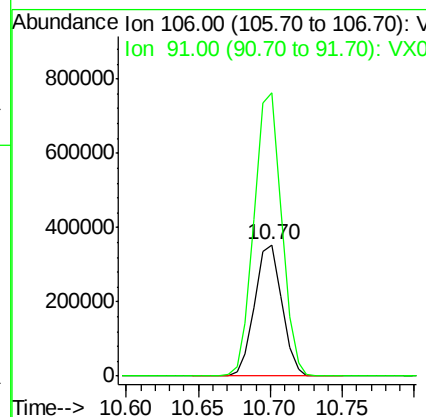
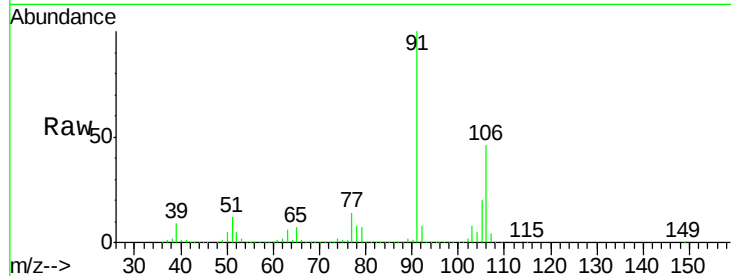
#69
o-Xylene
Concen: 121.031 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Instrument :
MSVOA_X
ClientSampleId :
OK-COMP

Tgt Ion:106 Resp: 460601
Ion Ratio Lower Upper
106 100
91 218.0 111.5 334.4

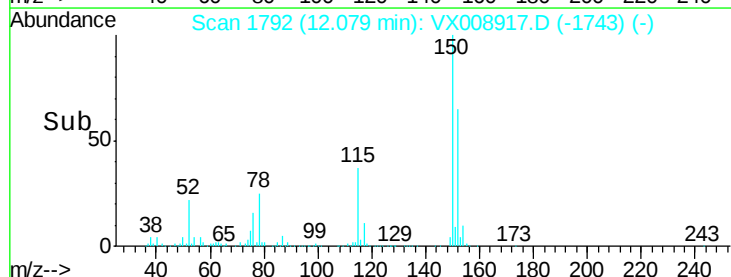
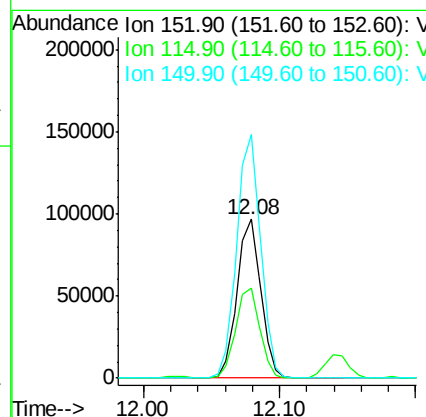
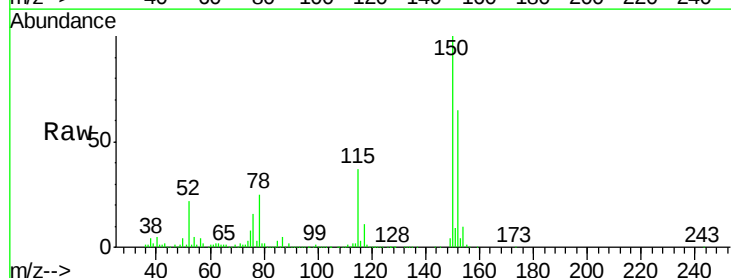
Manual Integrations
APPROVED

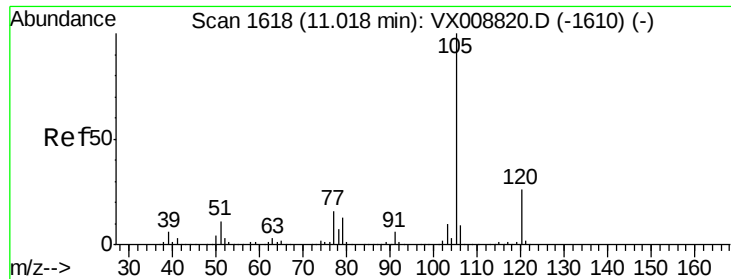
MMDadoda
4/13/2019 2:12:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Tgt Ion:152 Resp: 117426
Ion Ratio Lower Upper
152 100
115 57.7 43.5 130.5
150 154.4 0.0 348.8





#73

Isopropylbenzene

Concen: 4.707 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008917.D

Acq: 13 Apr 2019 03:59

Instrument :

MSVOA_X

ClientSampleId :

OK-COMP

Tgt Ion: 105 Resp: 45810

Ion Ratio Lower Upper

105 100

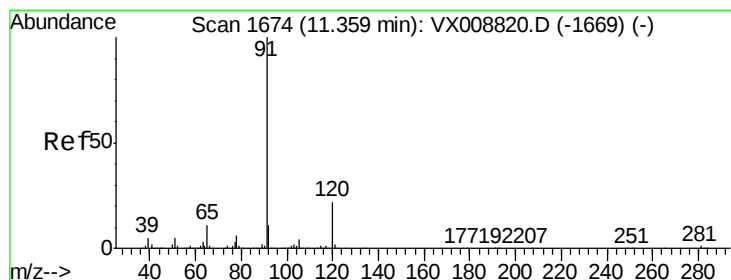
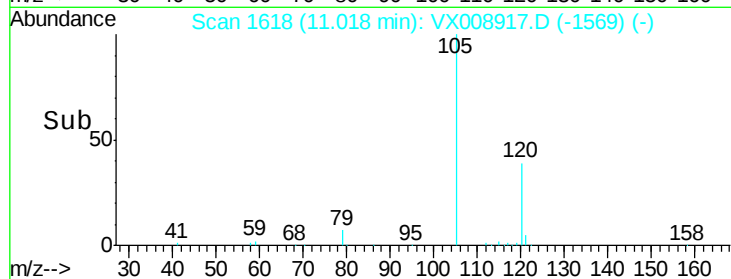
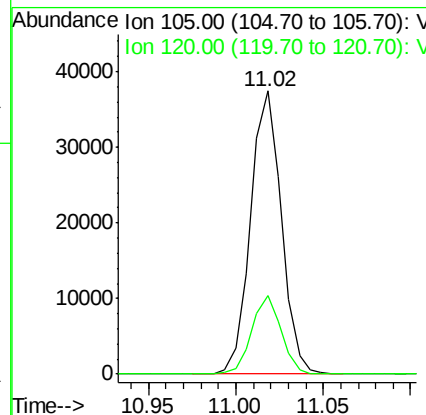
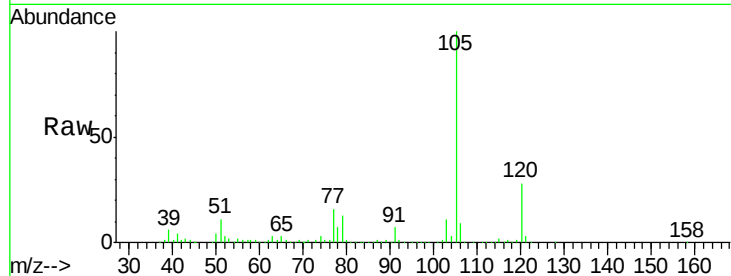
120 26.6 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

4/13/2019 2:12:37 PM



#78

n-propylbenzene

Concen: 16.554 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008917.D

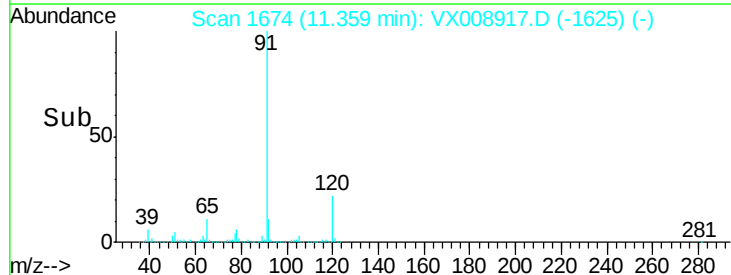
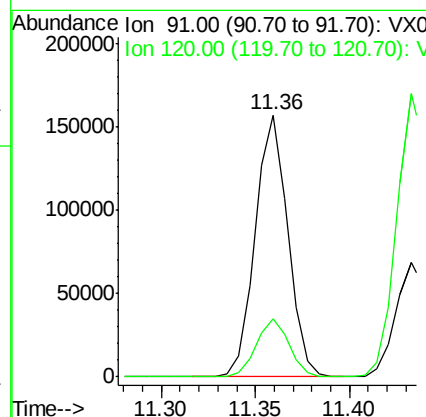
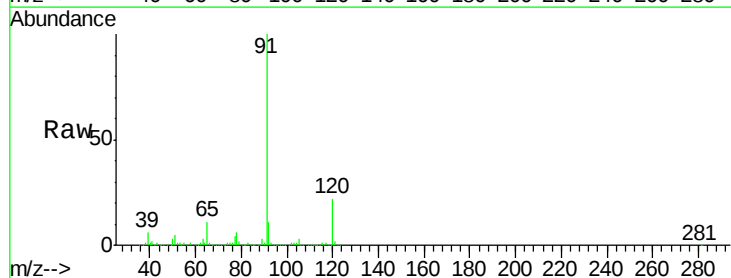
Acq: 13 Apr 2019 03:59

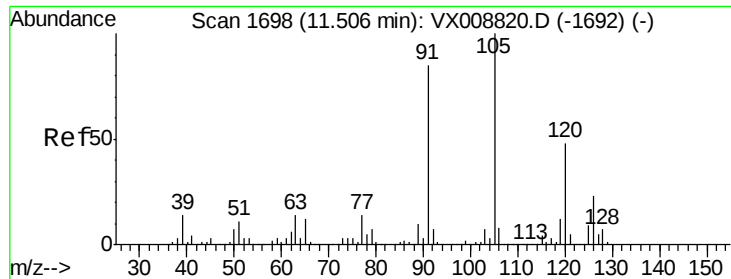
Tgt Ion: 91 Resp: 187578

Ion Ratio Lower Upper

91 100

120 22.2 10.9 32.7





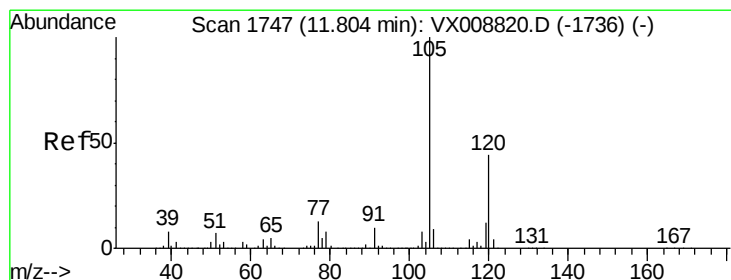
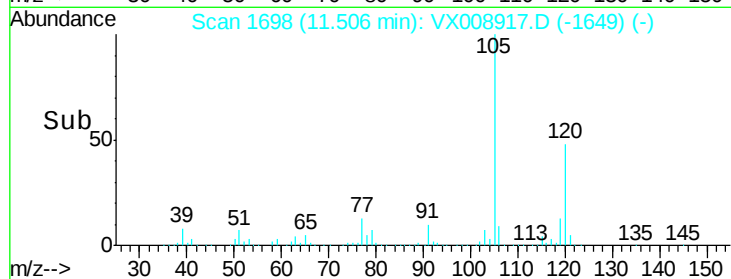
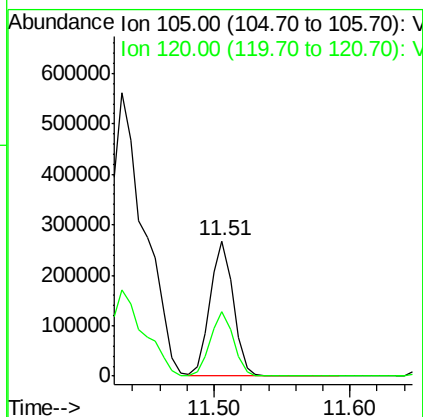
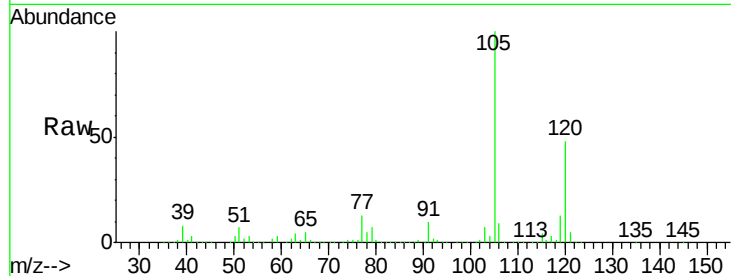
#80
 1,3,5-Trimethylbenzene
 Concen: 38.805 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-COMP

Tgt Ion:105 Resp: 316984
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.5 70.6

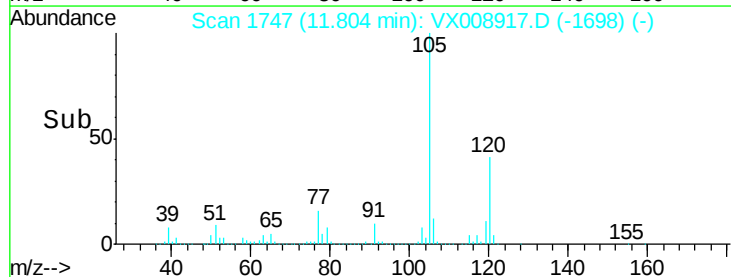
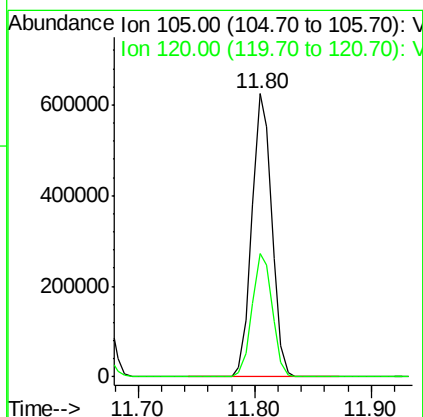
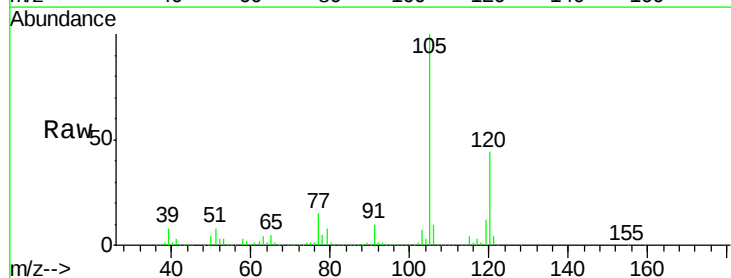
Manual Integrations
 APPROVED

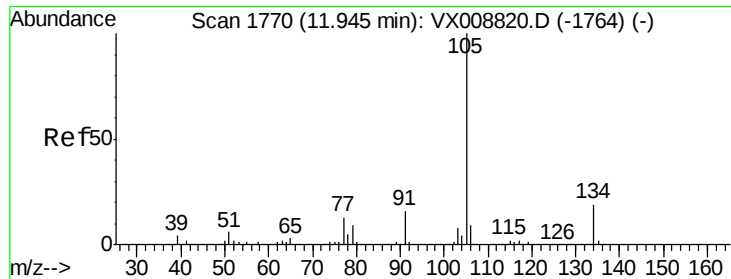
MMDadoda
 4/13/2019 2:12:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 90.551 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Tgt Ion:105 Resp: 748979
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.3





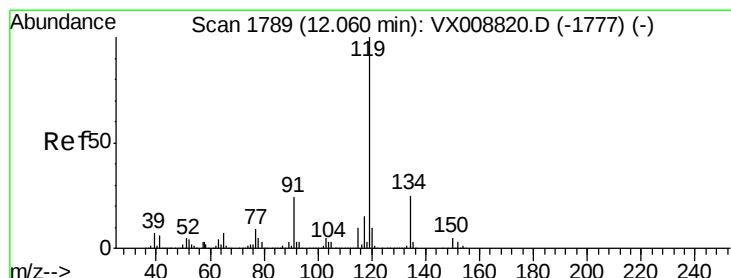
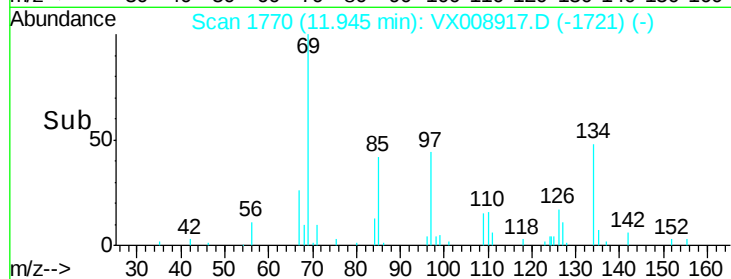
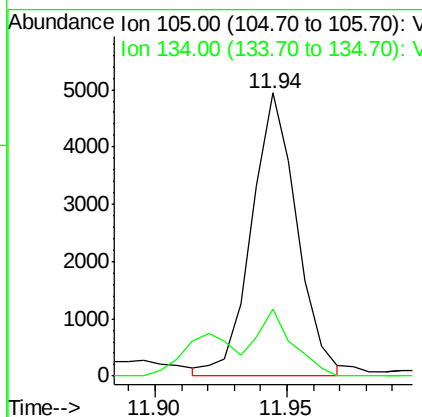
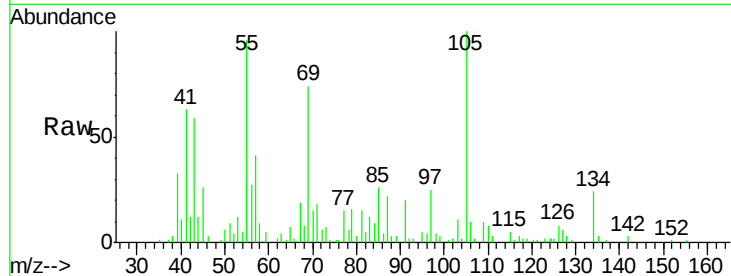
#85
 sec-Butylbenzene
 Concen: 0.632 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-COMP

Tgt Ion:105 Resp: 5900
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

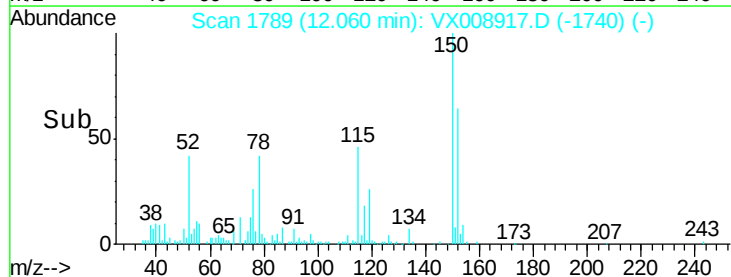
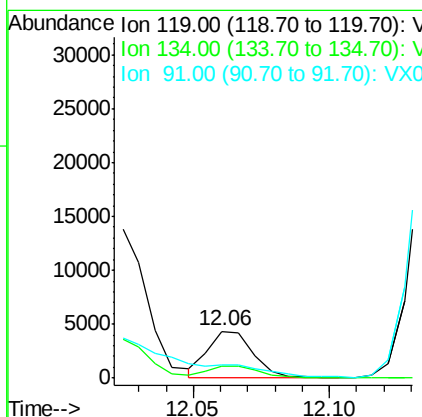
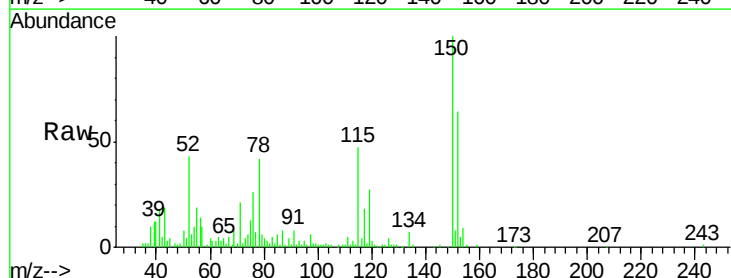
Manual Integrations
 APPROVED

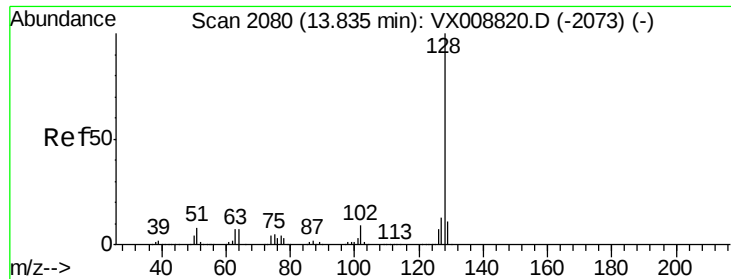
MMDadoda
 4/13/2019 2:12:37 PM



#86
 p-Isopropyltoluene
 Concen: 0.610 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008917.D
 Acq: 13 Apr 2019 03:59

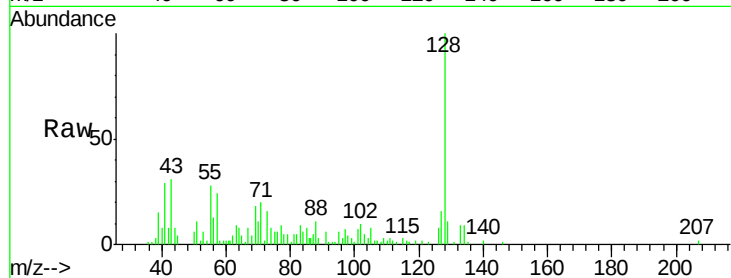
Tgt Ion:119 Resp: 5110
 Ion Ratio Lower Upper
 119 100
 134 29.2 12.8 38.4
 91 0.0 12.2 36.6#





#95
Naphthalene
Concen: 0.817 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008917.D
Acq: 13 Apr 2019 03:59

Instrument :
MSVOA_X
ClientSampleId :
OK-COMP



Tgt Ion:	128	Resp:	7896
Ion Ratio		Lower	Upper
128	100		
127	16.1	10.4	15.6#
129	15.7	8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:37 PM

