

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003084.D
 Acq On : 30 Jun 2018 17:36
 Operator : JC/MD
 Sample : J3716-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037

Manual Integrations
 APPROVED

apatel
 7/2/2018 4:19:18 PM

Quant Time: Jul 02 03:50:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	388861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220163	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	181888	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.80%		
35) Dibromofluoromethane	5.51	113	148630	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.54%		
50) Toluene-d8	8.72	98	548988	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.64%		
62) 4-Bromofluorobenzene	11.14	95	202711	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.48%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.53	142	1761	6.71	ug/l	97
16) Acetone	2.45	43	3442	2.12	ug/l	96
31) Cyclohexane	5.58	56	88016	17.91	ug/l	96
39) Methylcyclohexane	7.46	83	89073	17.93	ug/l	99
67) Ethyl Benzene	10.26	91	219670	14.40	ug/l	99
68) m/p-Xylenes	10.36	106	491445	83.60	ug/l	98
69) o-Xylene	10.70	106	2660	0.46	ug/l	95
73) Isopropylbenzene	11.02	105	208923	14.11	ug/l	99
78) n-propylbenzene	11.37	91	209822	12.45	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	330144	26.47	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	959202	74.21	ug/l	98
85) sec-Butylbenzene	11.95	105	19044m	1.28	ug/l	
86) p-Isopropyltoluene	12.07	119	15159	1.13	ug/l	95
89) n-Butylbenzene	12.38	91	12200	1.05	ug/l #	18
95) Naphthalene	13.84	128	109402	7.26	ug/l	99

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

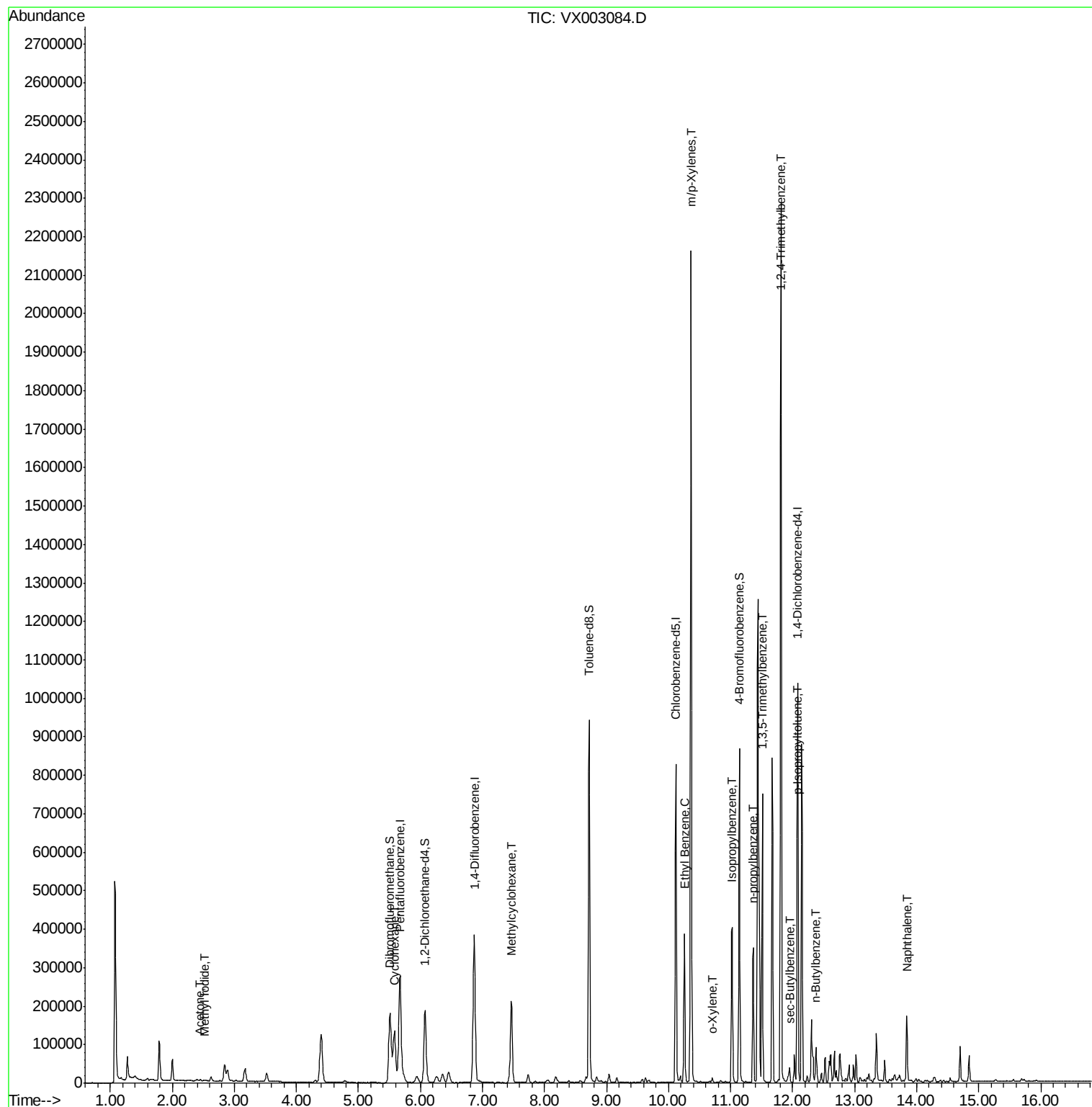
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
Data File : VX003084.D
Acq On : 30 Jun 2018 17:36
Operator : JC/MD
Sample : J3716-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

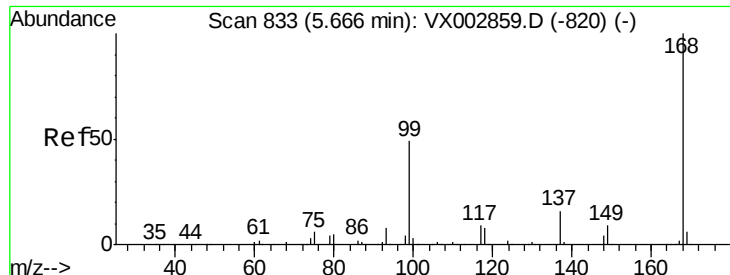
Instrument :
MSVOA_X
ClientSampleId :
S22-0037

Manual Integrations
APPROVED

apatel
7/2/2018 4:19:18 PM

Quant Time: Jul 02 03:50:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003084.D

Acq: 30 Jun 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

S22-0037

Tot Ion:168 Resp: 283579

Ion Ratio Lower Upper

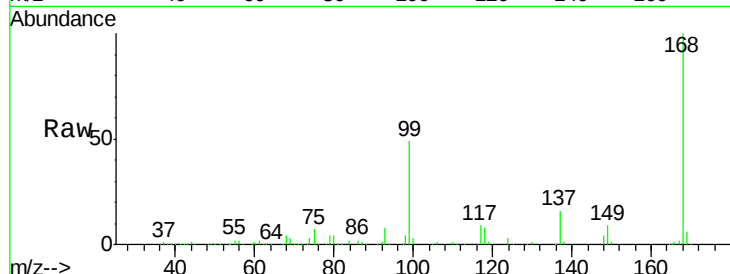
168 100

99 48.5 39.3 58.9

Manual Integrations
APPROVED

apatel

7/2/2018 4:19:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

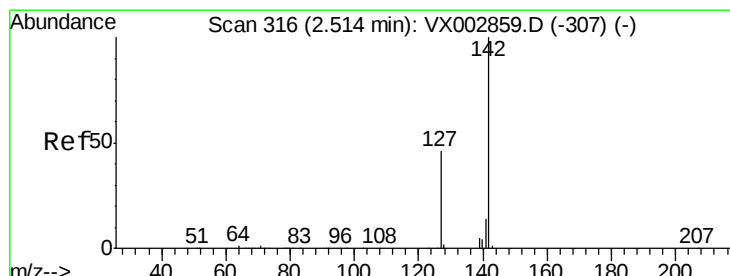
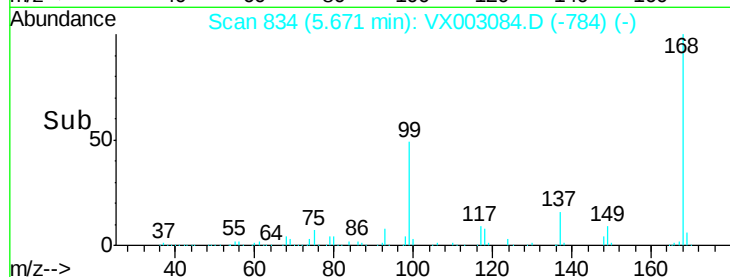
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.71 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003084.D

Acq: 30 Jun 2018 17:36

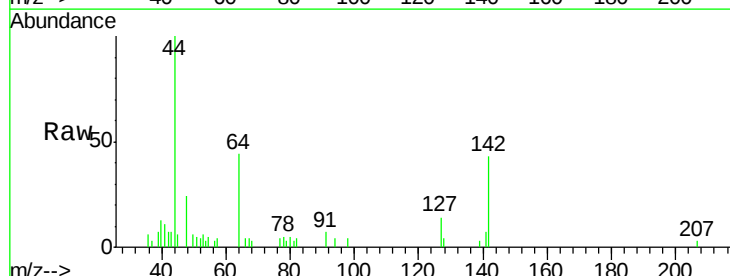
Tgt Ion:142 Resp: 1761

Ion Ratio Lower Upper

142 100

127 44.6 36.6 55.0

141 16.2 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1000

800

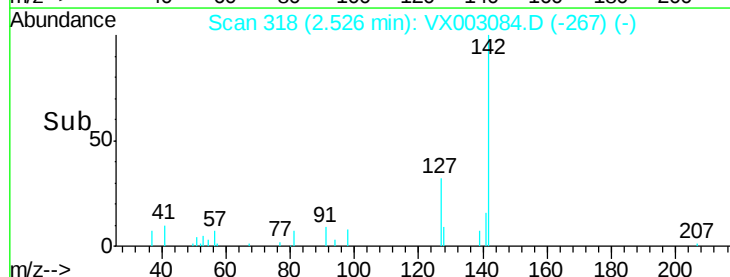
600

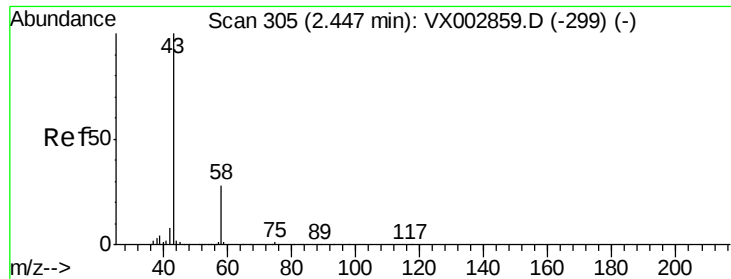
400

200

0

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 2.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003084.D

Acq: 30 Jun 2018 17:36

Instrument :

MSVOA_X

ClientSampled :

S22-0037

Tot Ion: 43 Resp: 3442

Ion Ratio Lower Upper

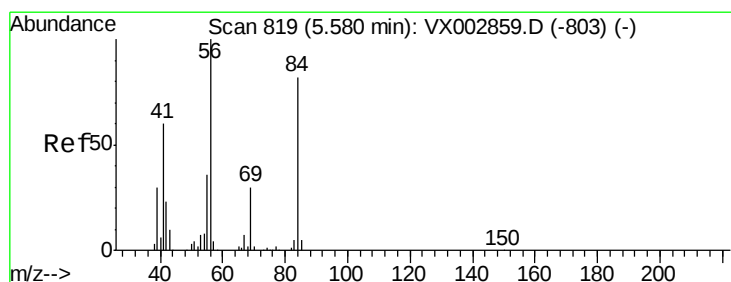
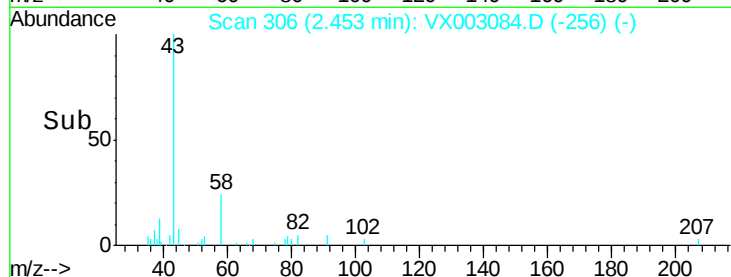
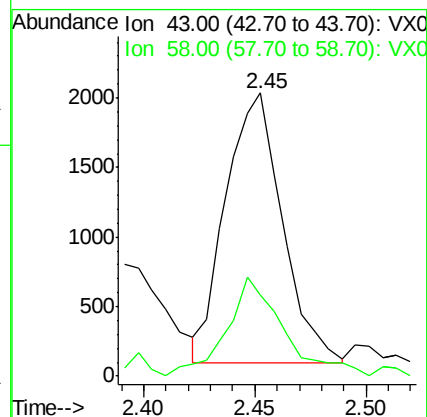
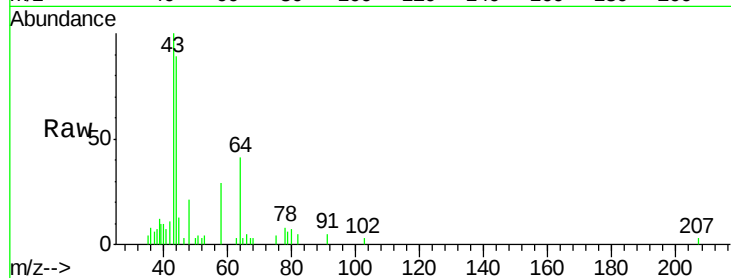
43 100

58 25.7 22.1 33.1

Manual Integrations
APPROVED

apatel

7/2/2018 4:19:18 PM



#31

Cyclohexane

Concen: 17.91 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003084.D

Acq: 30 Jun 2018 17:36

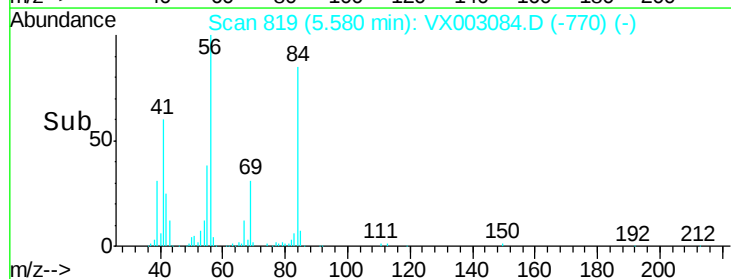
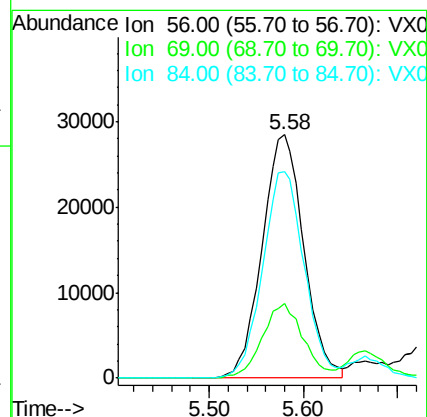
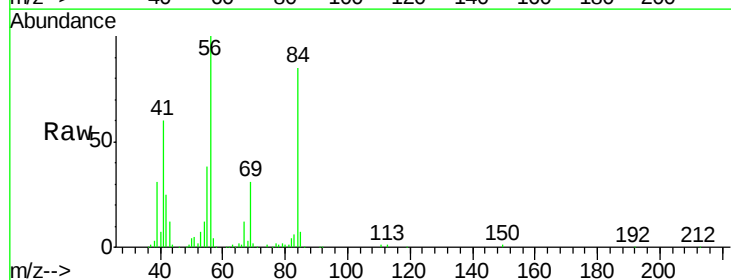
Tgt Ion: 56 Resp: 88016

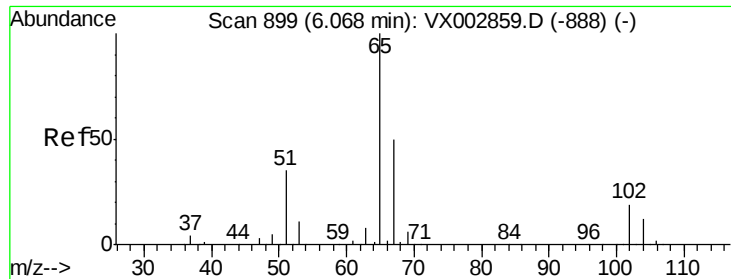
Ion Ratio Lower Upper

56 100

69 30.3 23.7 35.5

84 85.0 64.1 96.1





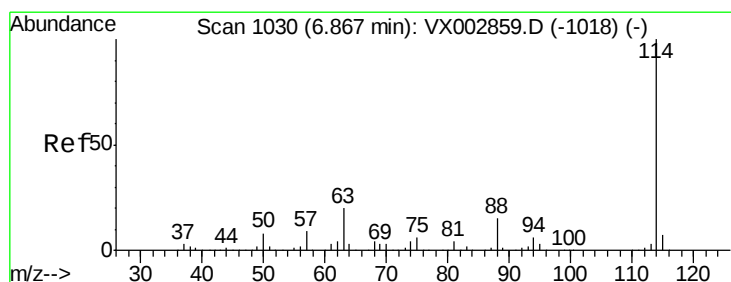
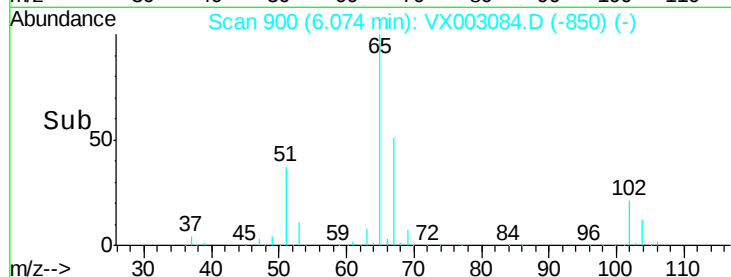
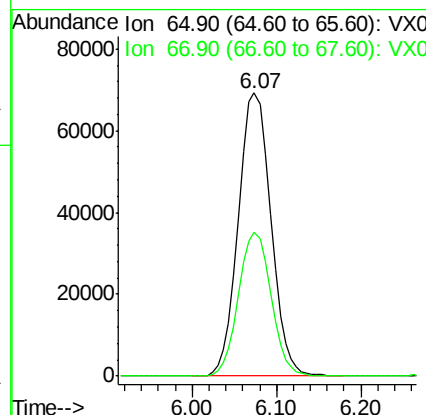
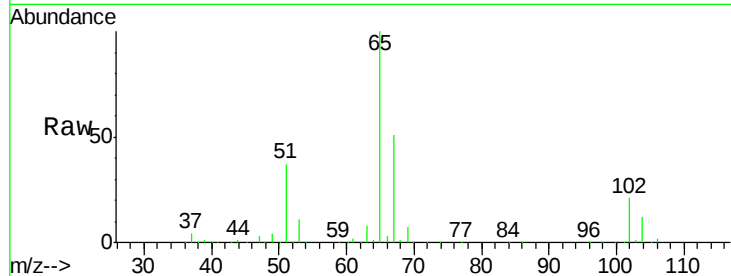
#33
 1,2-Dichloroethane-d4
 Concen: 46.40 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003084.D
 Acq: 30 Jun 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181888		
67	50.8	0.0	102.6	

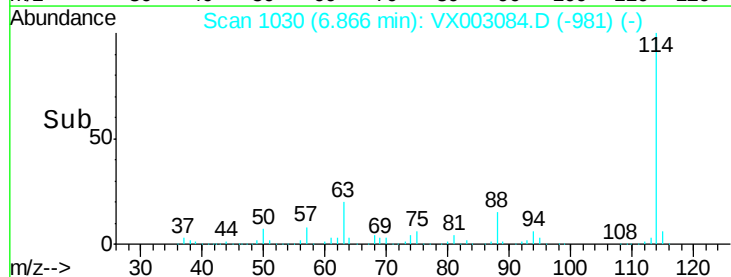
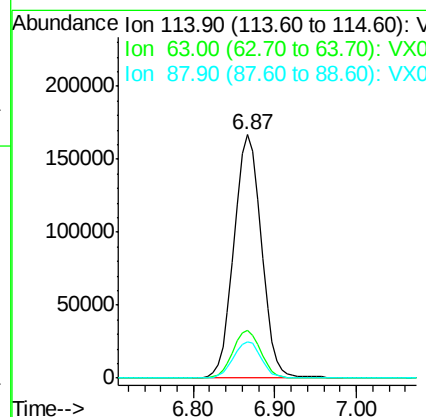
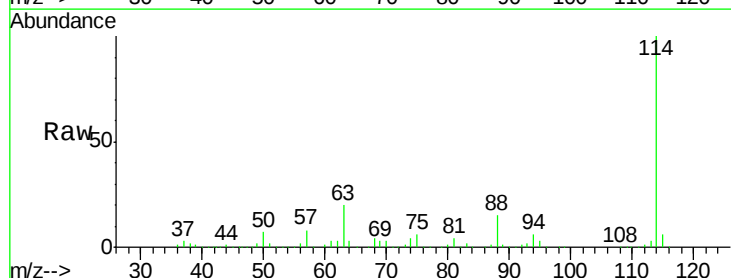
Manual Integrations
 APPROVED

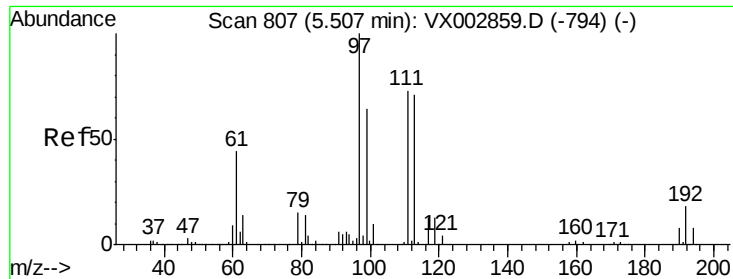
apatel
 7/2/2018 4:19:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003084.D
 Acq: 30 Jun 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	388861		
63	19.6	0.0	41.4	
88	14.8	0.0	30.0	





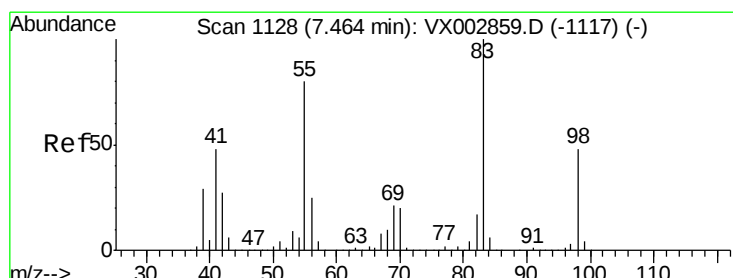
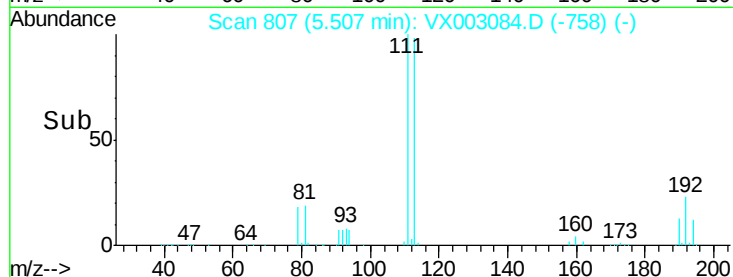
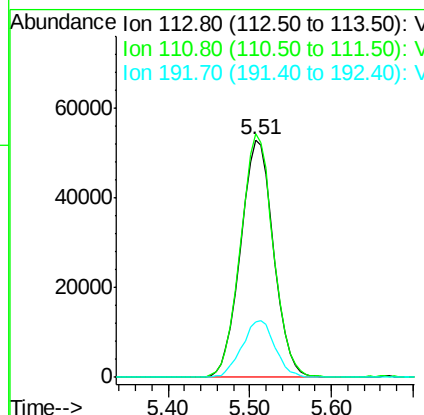
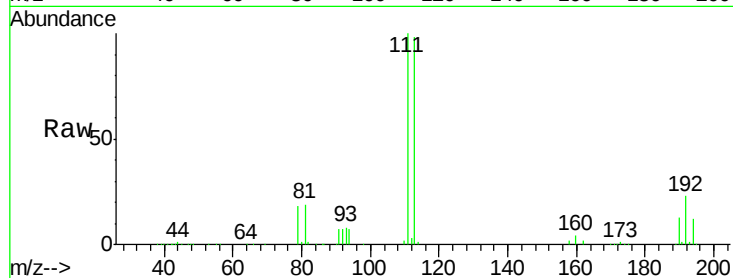
#35
Dibromofluoromethane
Concen: 48.27 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
S22-0037

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148630		
111	101.7	81.4	122.0	
192	24.1	19.1	28.7	

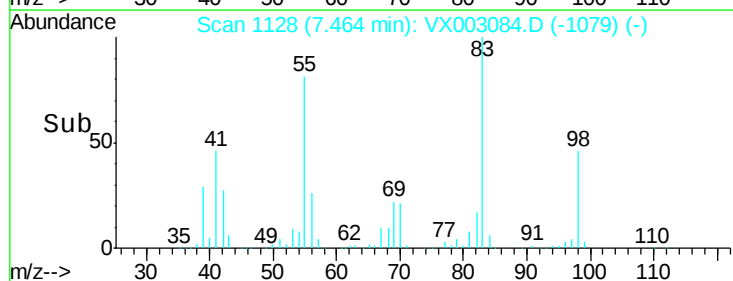
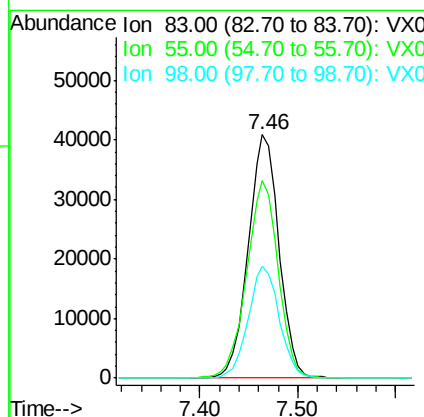
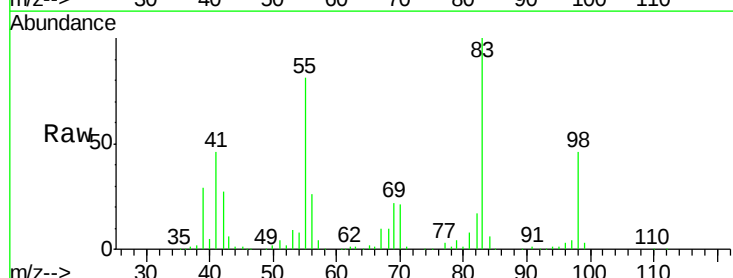
Manual Integrations
APPROVED

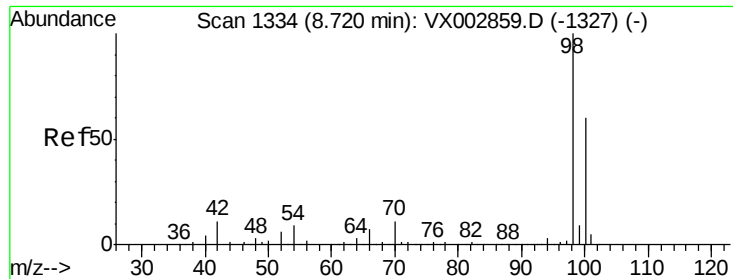
apatel
7/2/2018 4:19:18 PM



#39
Methylcyclohexane
Concen: 17.93 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	89073		
55	80.9	65.4	98.0	
98	45.8	37.4	56.0	





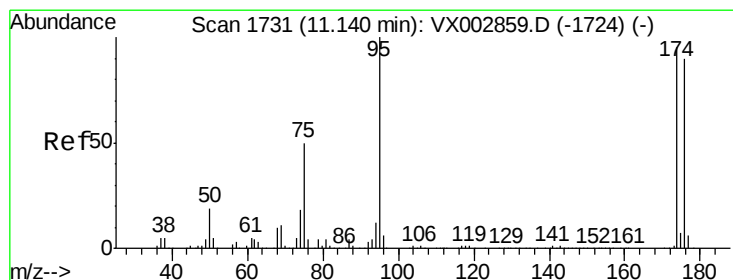
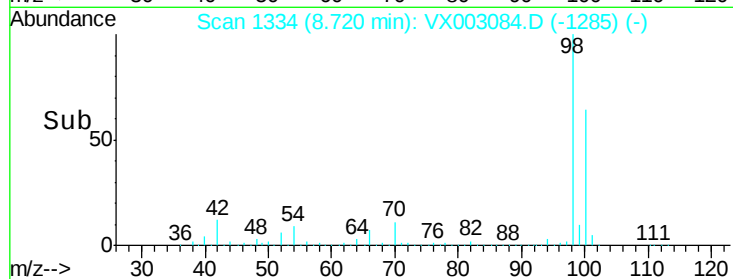
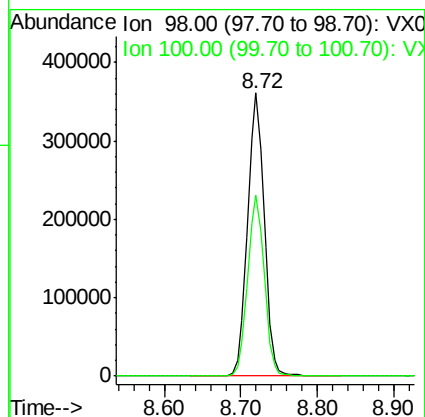
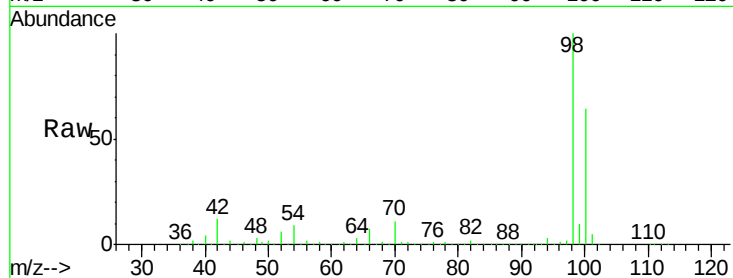
#50
Toluene-d8
Concen: 48.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
S22-0037

Tot Ion: 98 Resp: 548988
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

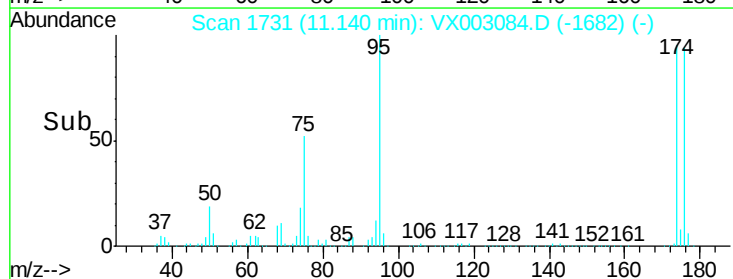
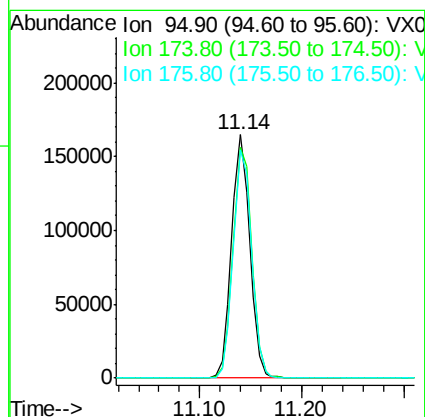
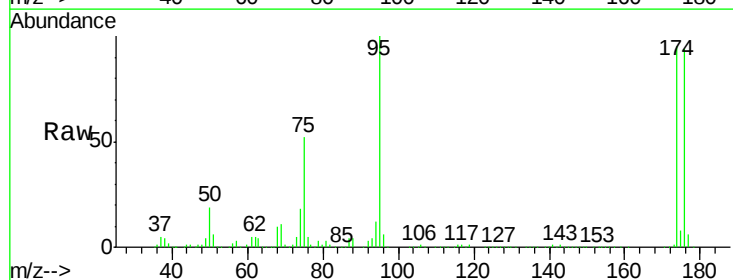
Manual Integrations
APPROVED

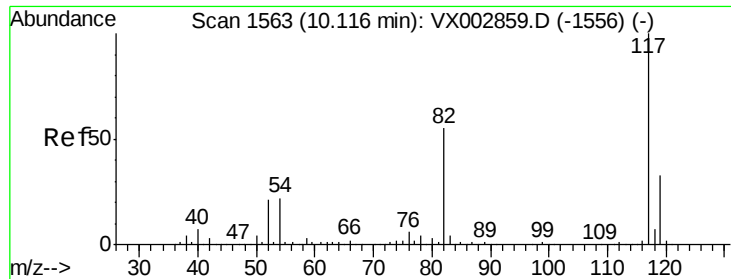
apatel
7/2/2018 4:19:18 PM



#62
4-Bromofluorobenzene
Concen: 46.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Tgt Ion: 95 Resp: 202711
Ion Ratio Lower Upper
95 100
174 97.8 0.0 187.4
176 95.1 0.0 181.0





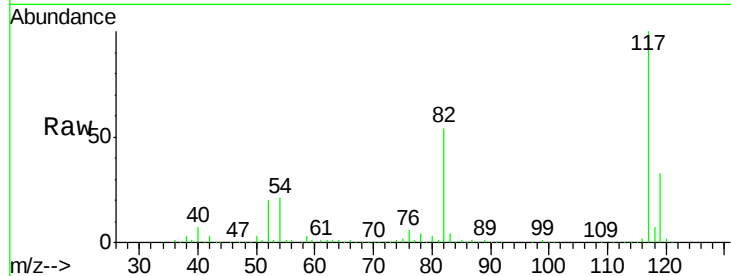
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampled :
S22-0037

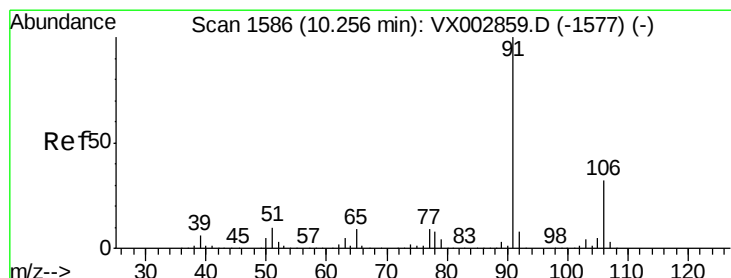
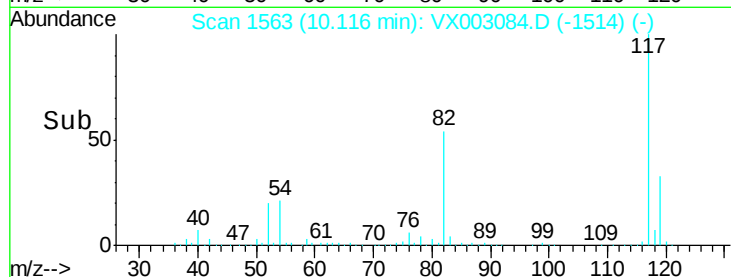
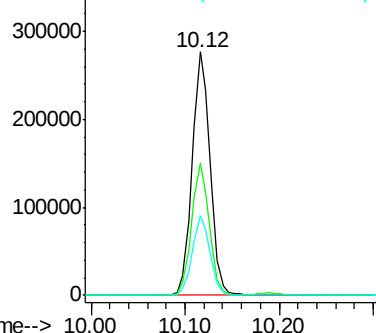
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.4
119	32.5	25.8	38.6

Manual Integrations
APPROVED

apatel
7/2/2018 4:19:18 PM

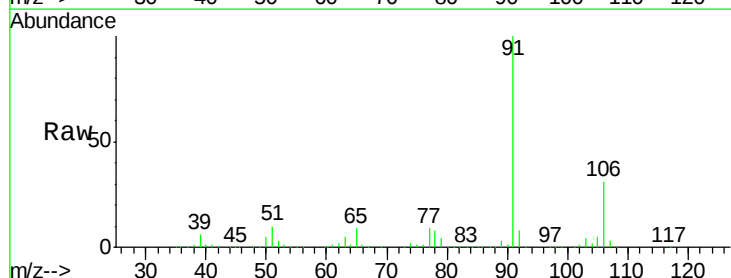


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

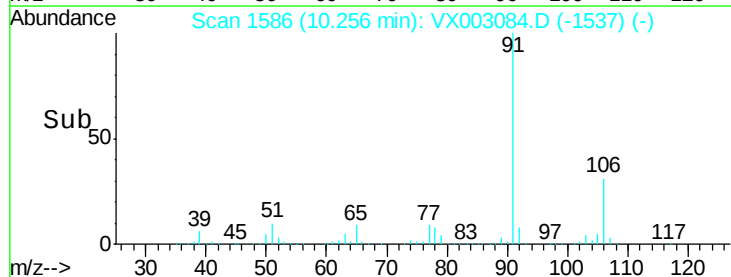
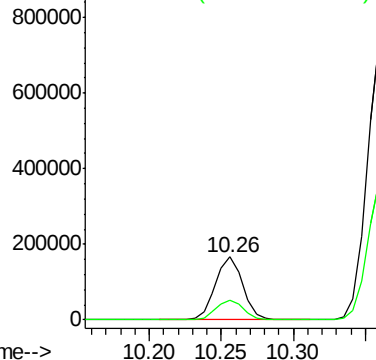


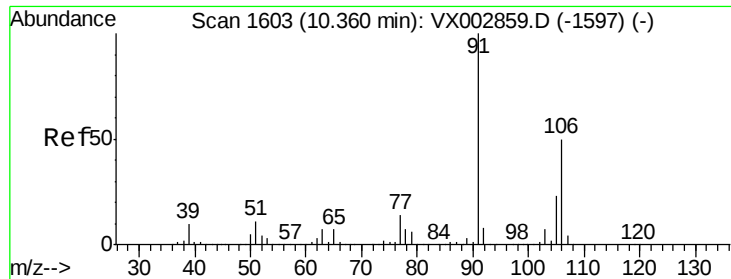
#67
Ethyl Benzene
Concen: 14.40 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.5	38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





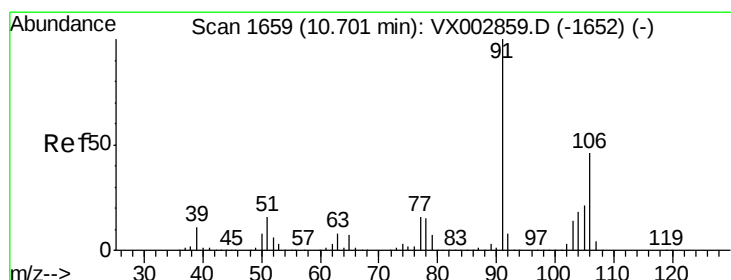
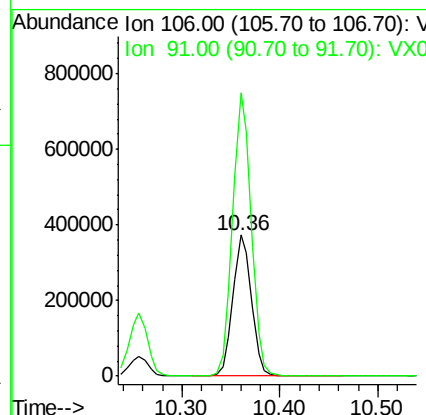
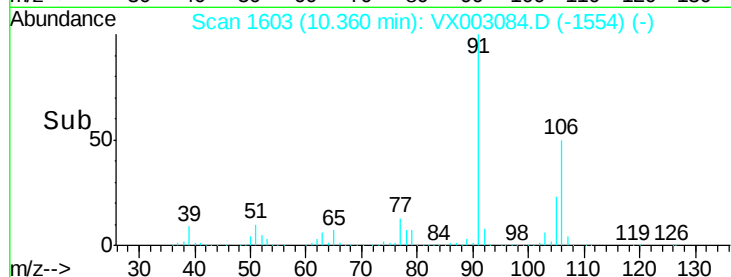
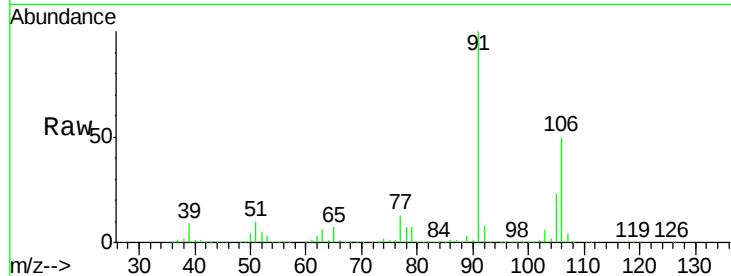
#68
m/p-Xylenes
Concen: 83.60 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampled :
S22-0037

Tot Ion:106 Resp: 491445
Ion Ratio Lower Upper
106 100
91 201.8 163.4 245.2

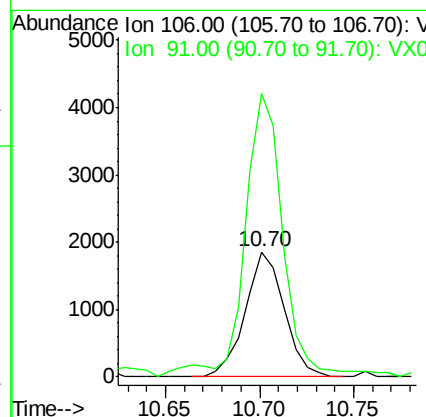
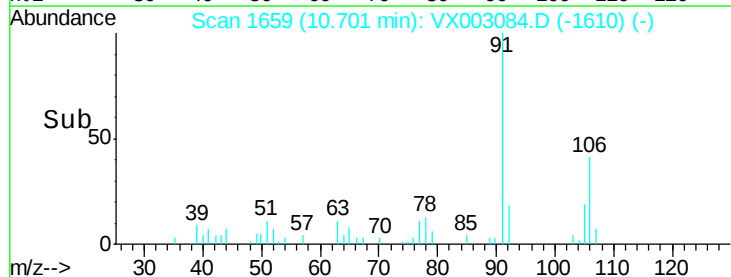
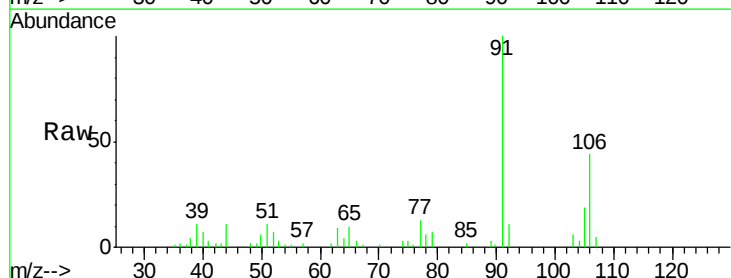
Manual Integrations
APPROVED

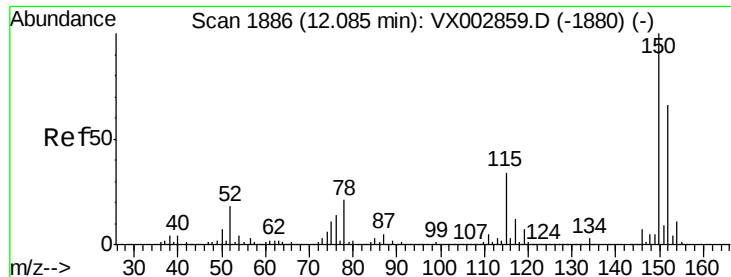
apatel
7/2/2018 4:19:18 PM



#69
o-Xylene
Concen: 0.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Tgt Ion:106 Resp: 2660
Ion Ratio Lower Upper
106 100
91 224.6 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003084.D

Acq: 30 Jun 2018 17:36

Instrument :

MSVOA_X

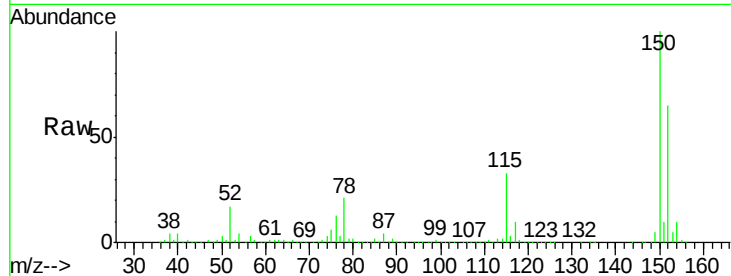
ClientSampled :

S22-0037

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.8	40.1	120.2
150	155.9	0.0	347.2

Manual Integrations
APPROVED

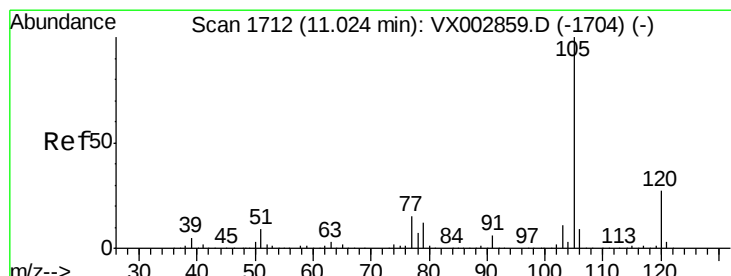
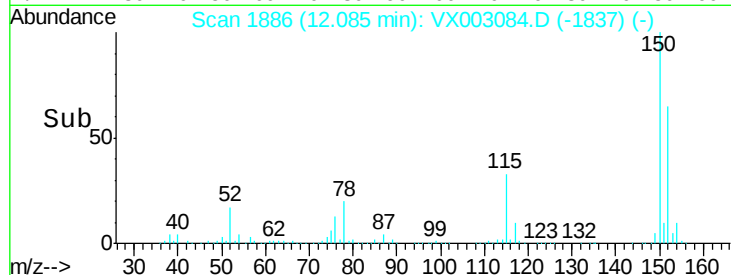
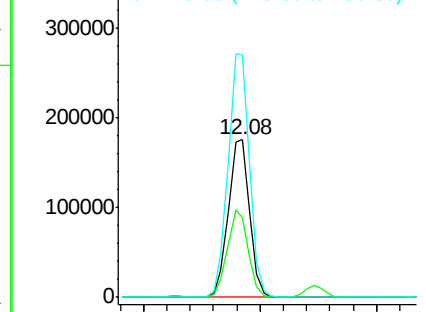
apatel
7/2/2018 4:19:18 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 14.11 ug/l

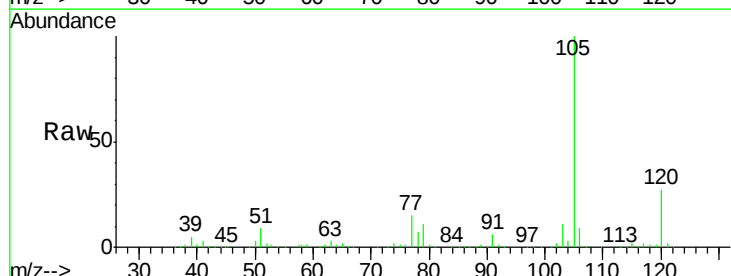
RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003084.D

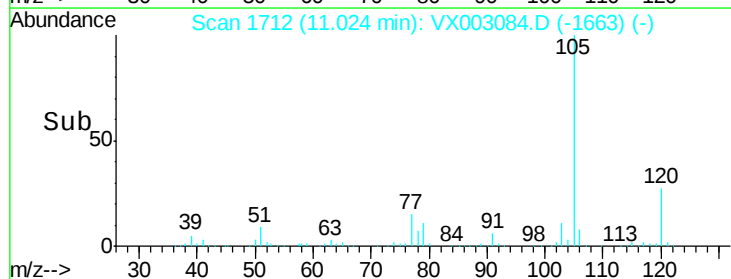
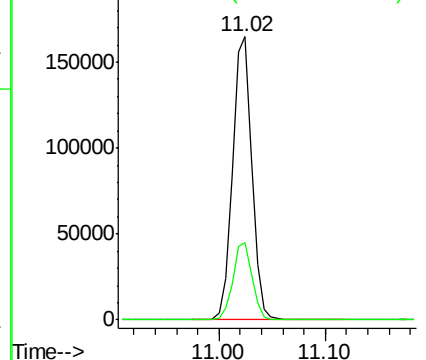
Acq: 30 Jun 2018 17:36

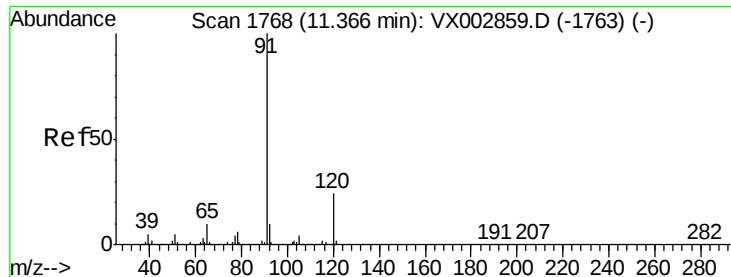
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.45 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003084.D

Acq: 30 Jun 2018 17:36

Instrument :

MSVOA_X

ClientSampled :

S22-0037

Tot Ion: 91 Resp: 209822

Ion Ratio Lower Upper

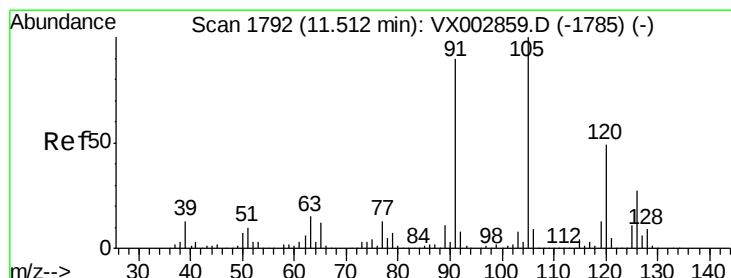
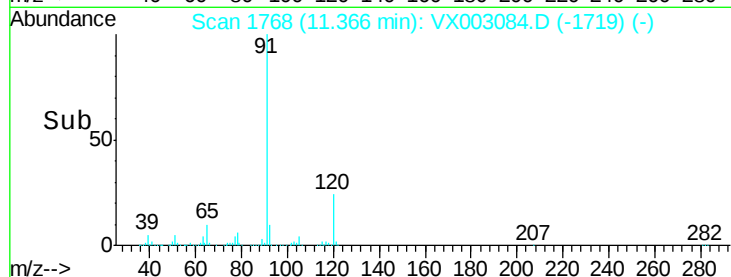
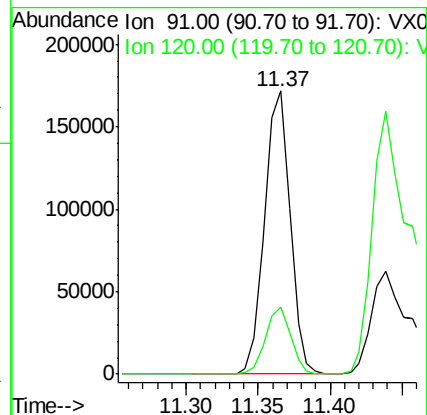
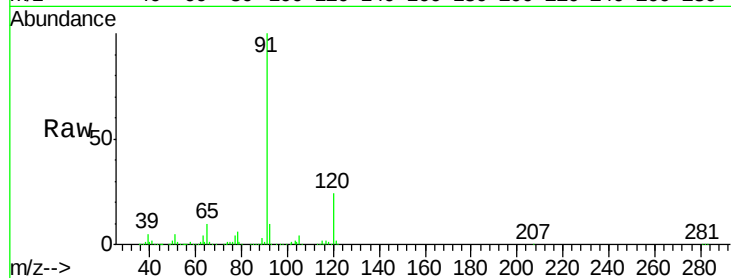
91 100

120 23.4 11.8 35.4

Manual Integrations
APPROVED

apatel

7/2/2018 4:19:18 PM



#80

1,3,5-Trimethylbenzene

Concen: 26.47 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003084.D

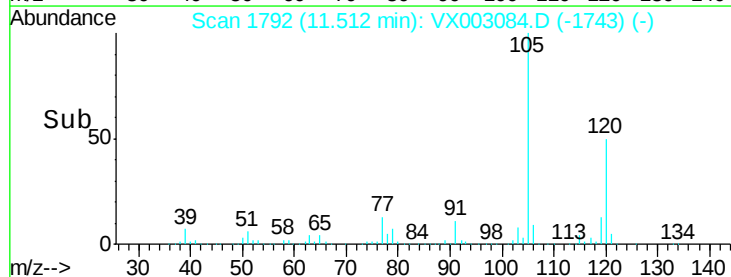
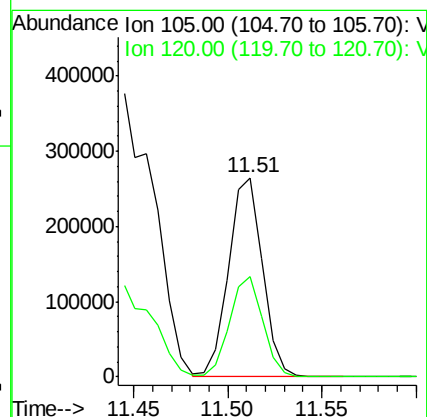
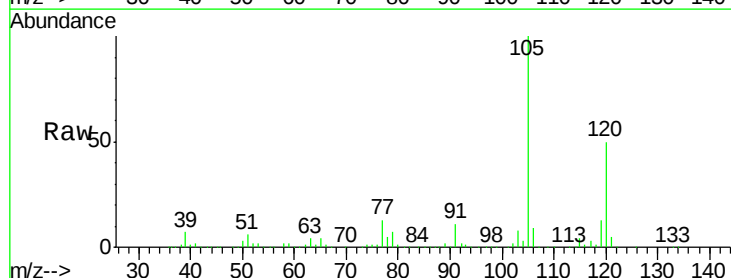
Acq: 30 Jun 2018 17:36

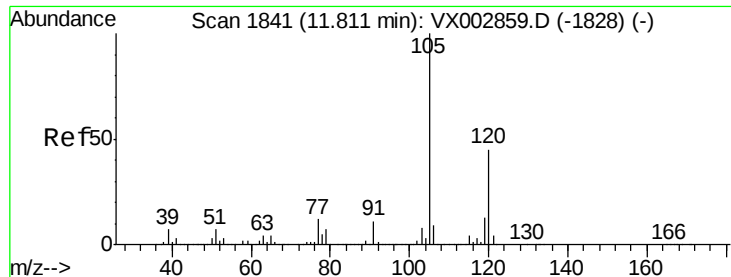
Tgt Ion: 105 Resp: 330144

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.4





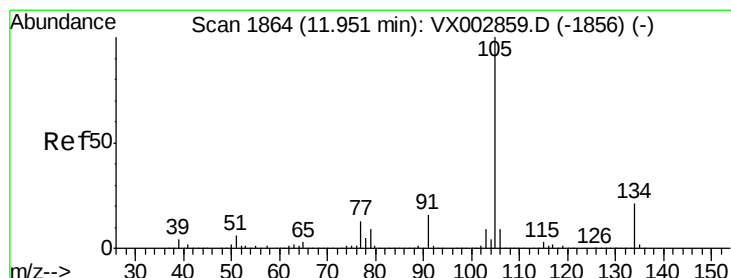
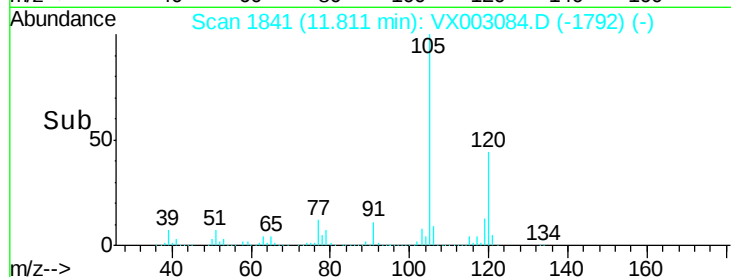
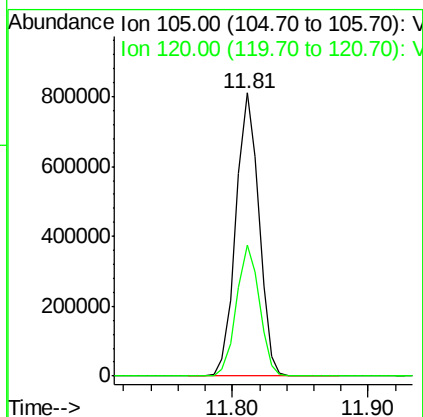
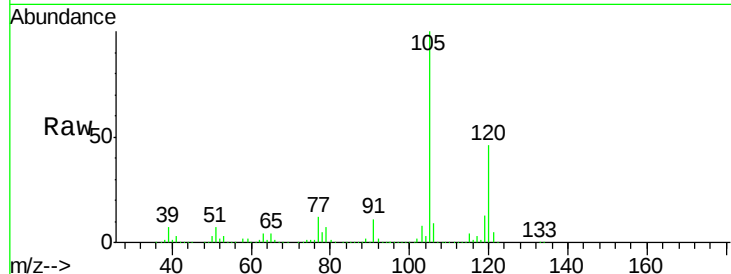
#84
1,2,4-Trimethylbenzene
Concen: 74.21 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampled :
S22-0037

Tot Ion:105 Resp: 959202
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.8

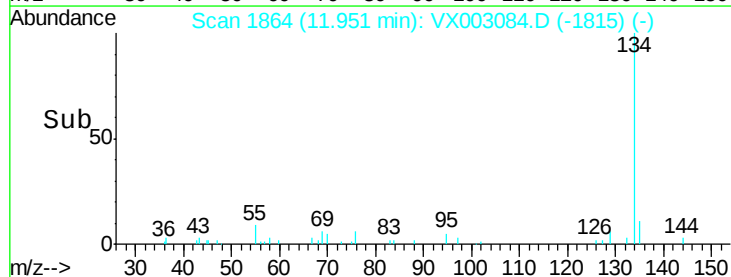
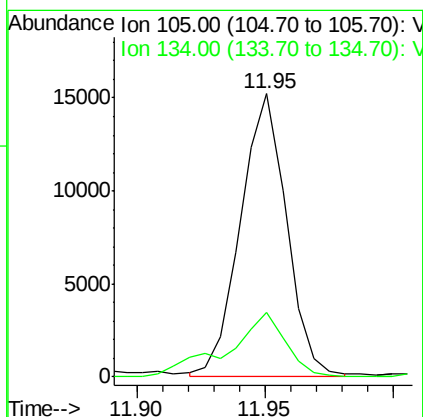
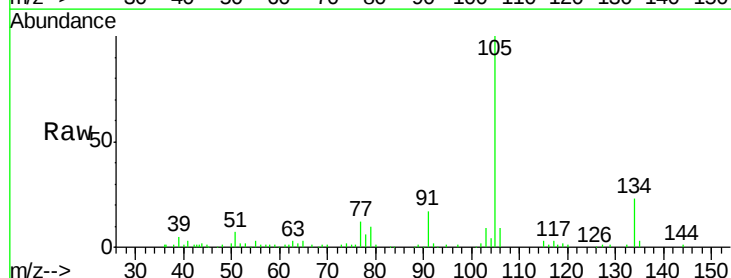
Manual Integrations
APPROVED

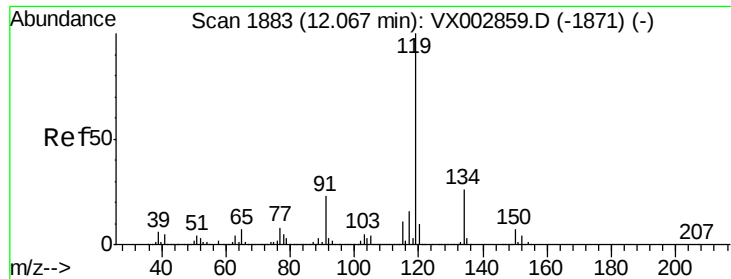
apatel
7/2/2018 4:19:18 PM



#85
sec-Butylbenzene
Concen: 1.28 ug/l m
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Tgt Ion:105 Resp: 19044
Ion Ratio Lower Upper
105 100
134 2.3 10.4 31.1#





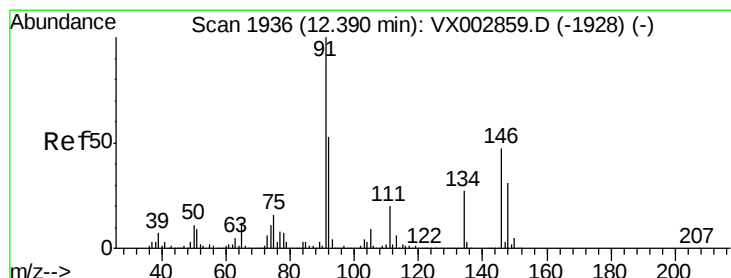
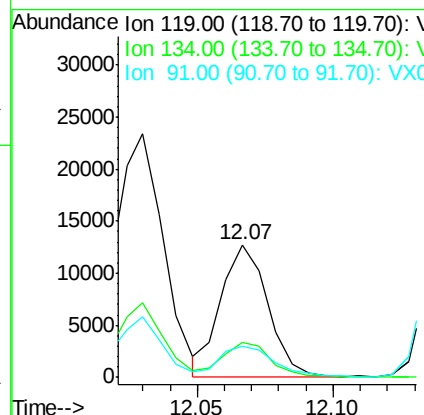
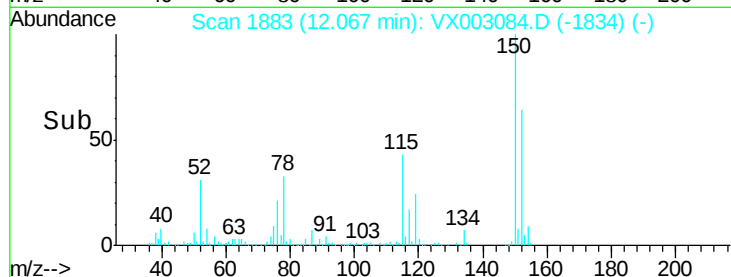
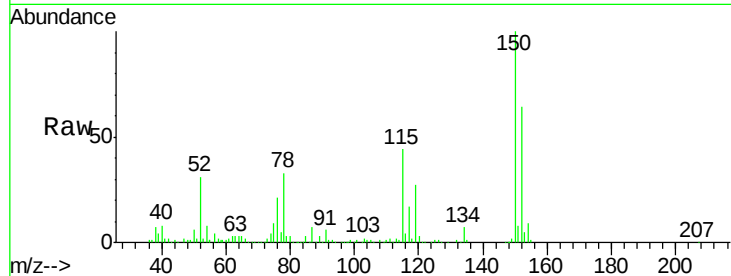
#86
p-Isopropyltoluene
Concen: 1.13 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampled :
S22-0037

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.4	40.1
91	27.8	11.9	35.7

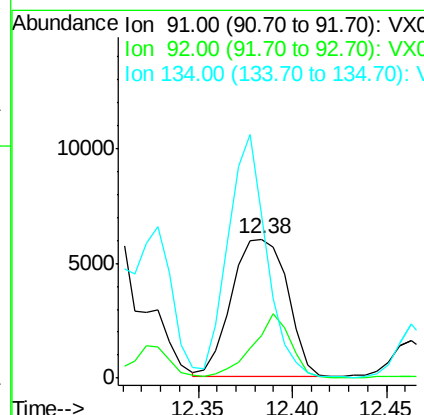
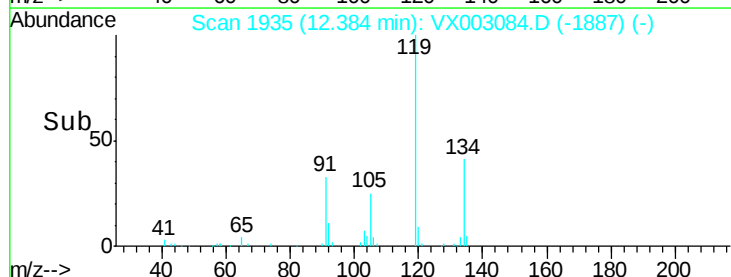
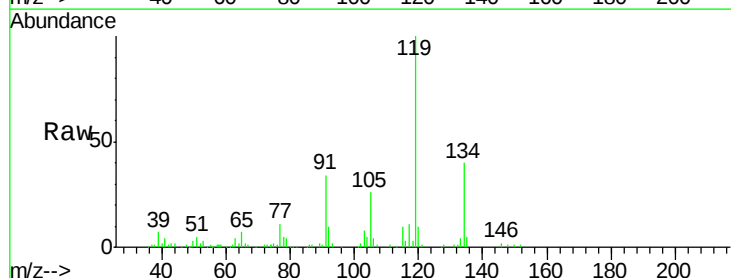
Manual Integrations
APPROVED

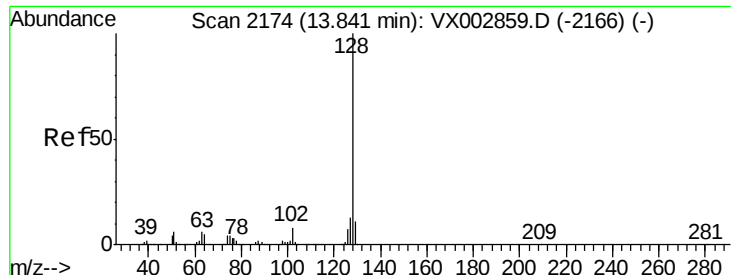
apatel
7/2/2018 4:19:18 PM



#89
n-Butylbenzene
Concen: 1.05 ug/l
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	32.7	26.0	78.0
134	123.3	13.5	40.5#





#95
Naphthalene
Concen: 7.26 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003084.D
Acq: 30 Jun 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
S22-0037

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.5	8.6	13.0

Manual Integrations
APPROVED

apatel
7/2/2018 4:19:18 PM

