

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006191.D
 Acq On : 18 Oct 2018 21:54
 Operator : VA/AP
 Sample : J5515-18
 Misc : 6.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:51:01 PM

Quant Time: Oct 19 07:43:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	323841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	106484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	95097	54.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.30%	
35) Dibromofluoromethane	7.89	113	92450	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	10.33	98	337759	46.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.78%	
62) 4-Bromofluorobenzene	12.62	95	120059	43.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	14438	30.84	ug/l	98
20) Methylene Chloride	4.92	84	13463	5.81	ug/l	96
31) Cyclohexane	7.95	56	130185	40.51	ug/l	86
39) Methylcyclohexane	9.34	83	403423	101.68	ug/l	94
40) Benzene	8.33	78	24985	3.05	ug/l	94
52) Toluene	10.39	92	17595	3.21	ug/l	98
67) Ethyl Benzene	11.74	91	43948	4.38	ug/l	99
68) m/p-Xylenes	11.84	106	39983	10.07	ug/l	99
69) o-Xylene	12.17	106	14866	3.93	ug/l	90
73) Isopropylbenzene	12.47	105	307826	40.92	ug/l	100
78) n-propylbenzene	12.81	91	777790	88.87	ug/l	100
83) tert-Butylbenzene	13.21	119	10815	1.91	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	58250	9.08	ug/l	99
85) sec-Butylbenzene	13.39	105	142628	17.79	ug/l #	57
89) n-Butylbenzene	13.83	91	124739m	18.81	ug/l	

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

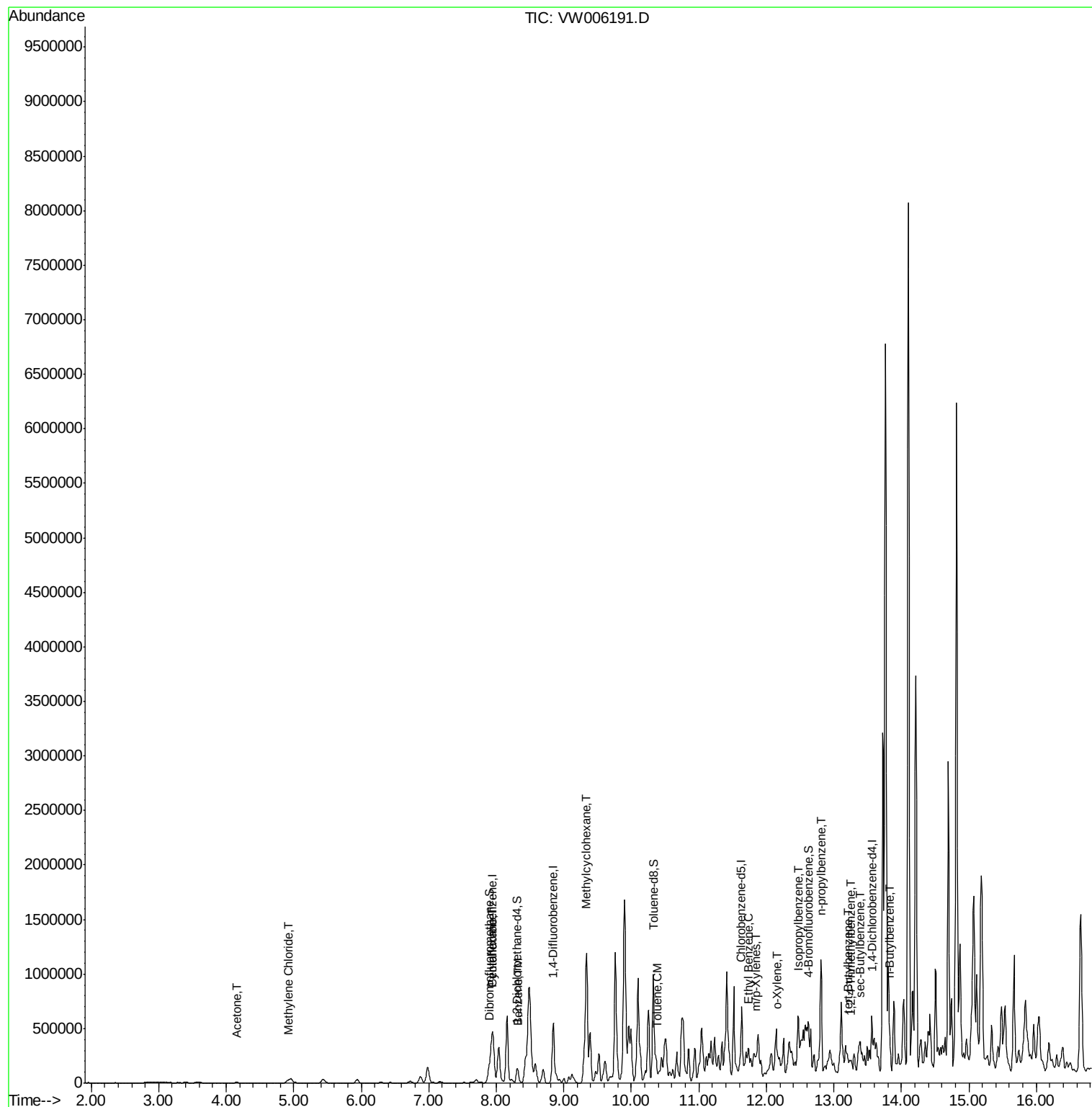
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006191.D
Acq On : 18 Oct 2018 21:54
Operator : VA/AP
Sample : J5515-18
Misc : 6.28G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

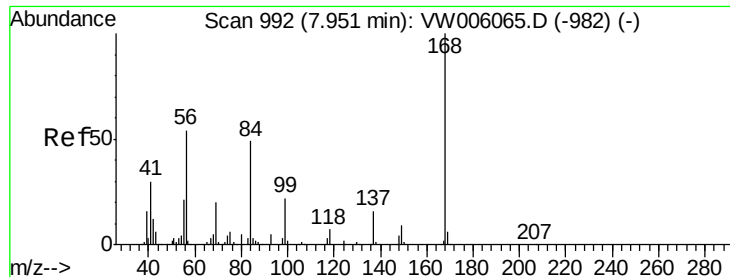
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Quant Time: Oct 19 07:43:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

apatel
10/19/2018 12:51:01 PM





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

AOC1-01A

Tgt Ion:168 Resp: 211836

Ion Ratio Lower Upper

168 100

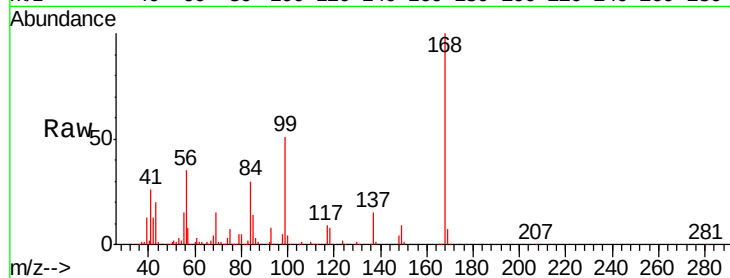
99 50.9 39.9 59.9

Manual Integrations

APPROVED

apatel

10/19/2018 12:51:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

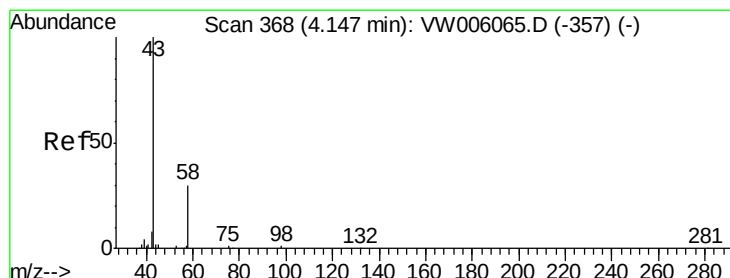
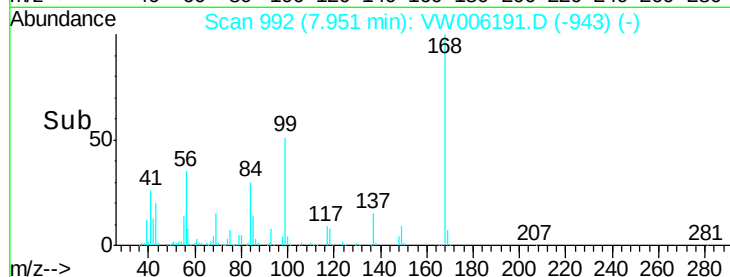
40000

20000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 30.84 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.00 min

Lab File: VW006191.D

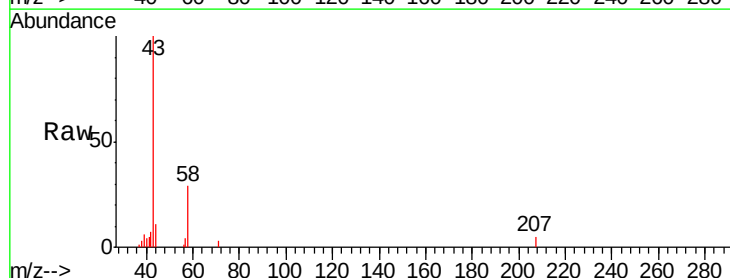
Acq: 18 Oct 2018 21:54

Tgt Ion: 43 Resp: 14438

Ion Ratio Lower Upper

43 100

58 29.0 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

4000

3000

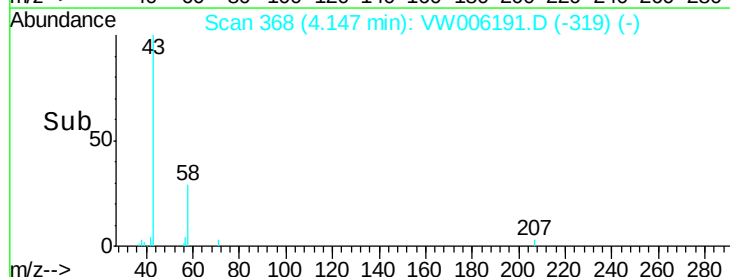
2000

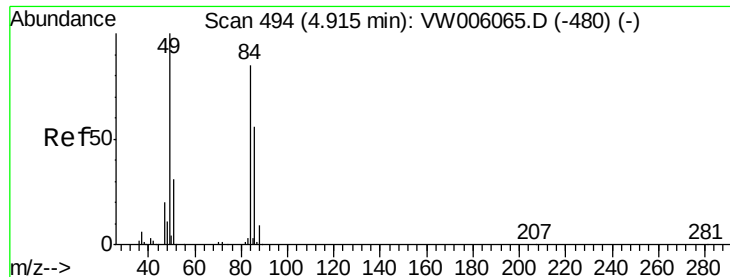
1000

0

4.00 4.10 4.20 4.30

Time-->





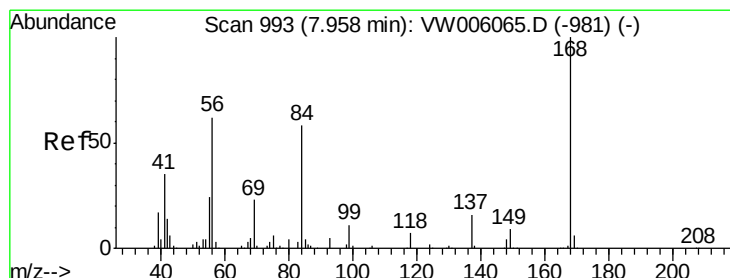
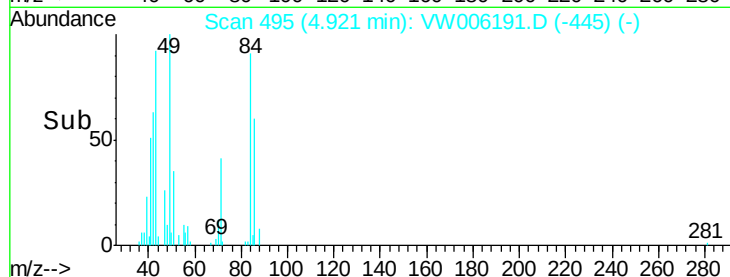
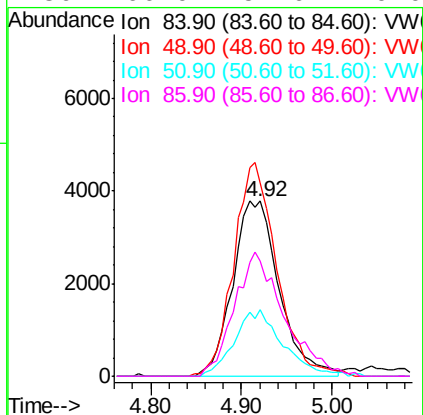
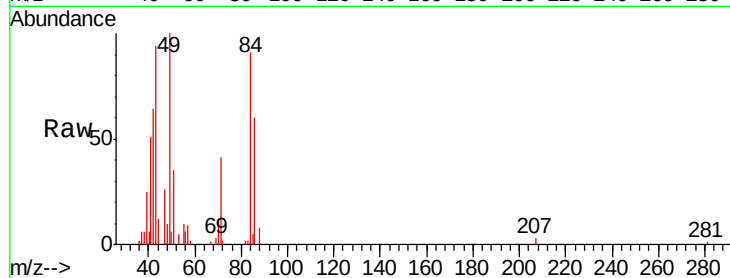
#20
Methylene Chloride
Concen: 5.81 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tgt Ion:	84	Resp:	13463
Ion	Ratio	Lower	Upper
84	100		
49	110.1	93.6	140.4
51	38.1	29.0	43.4
86	66.0	52.6	79.0

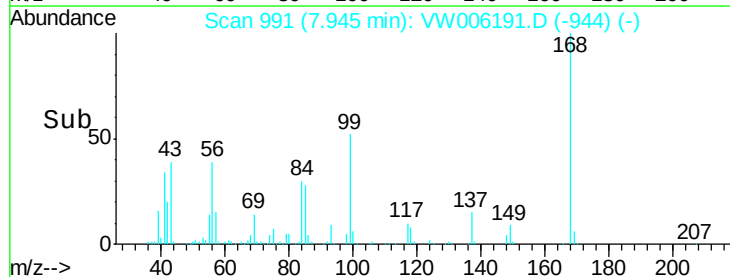
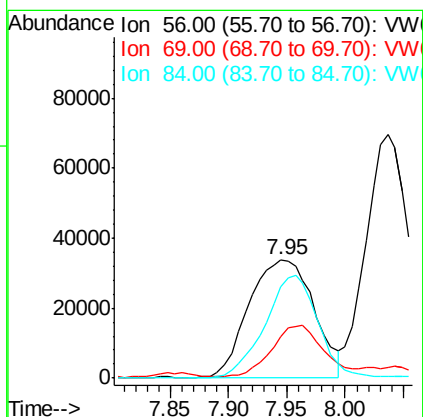
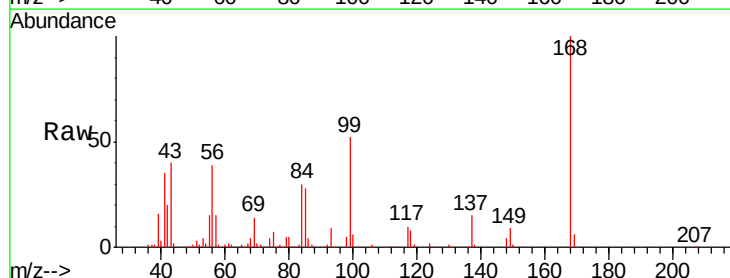
Manual Integrations
APPROVED

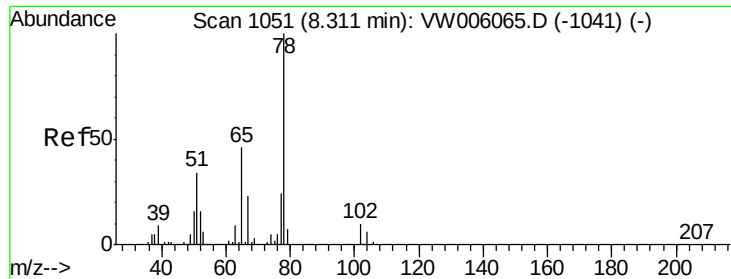
apatel
10/19/2018 12:51:01 PM



#31
Cyclohexane
Concen: 40.51 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion:	56	Resp:	130185
Ion	Ratio	Lower	Upper
56	100		
69	31.7	29.4	44.0
84	77.3	74.0	111.0





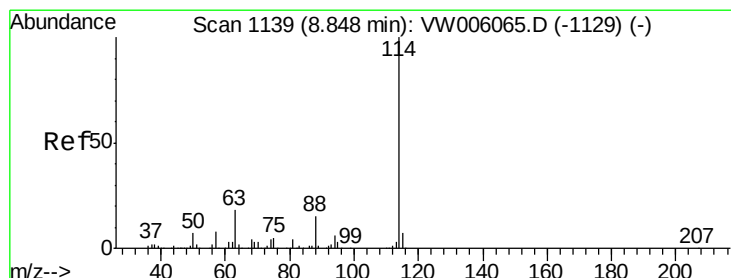
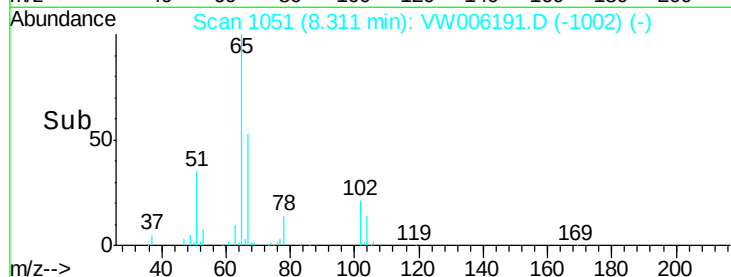
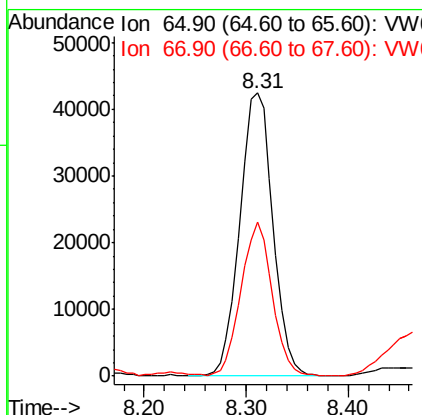
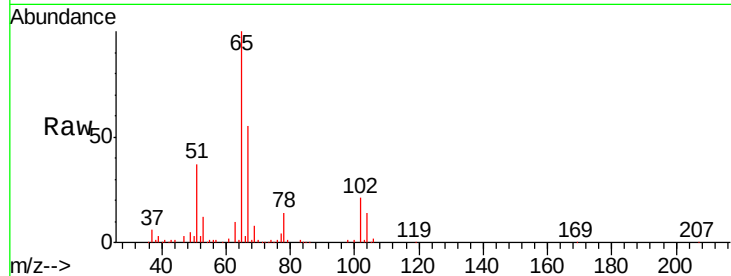
#33
 1,2-Dichloroethane-d4
 Concen: 54.15 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	95097		
67	51.1	0.0	101.0	

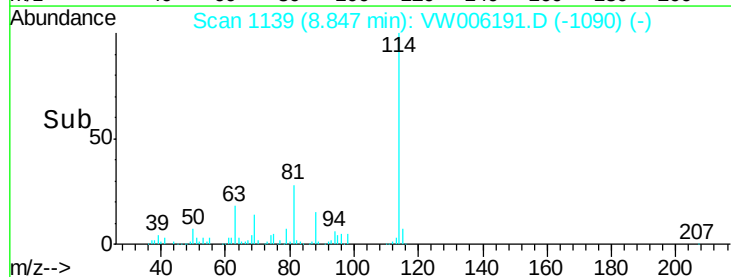
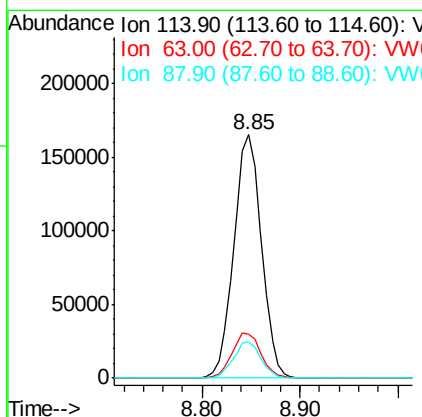
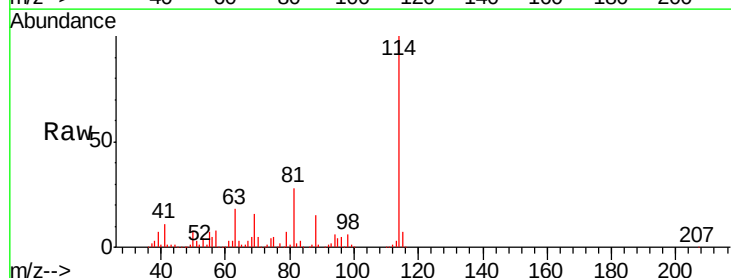
Manual Integrations
 APPROVED

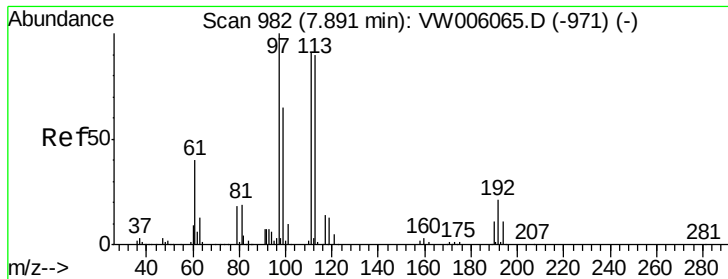
apatel
 10/19/2018 12:51:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323841		
63	18.3	0.0	36.8	
88	15.1	0.0	29.0	





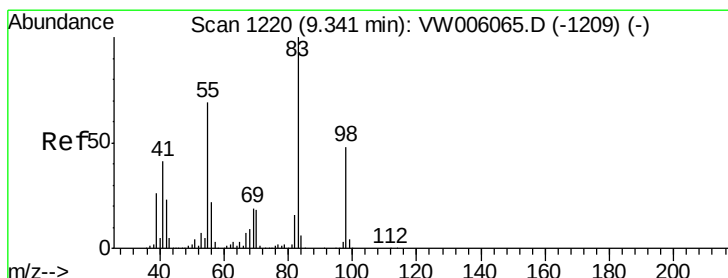
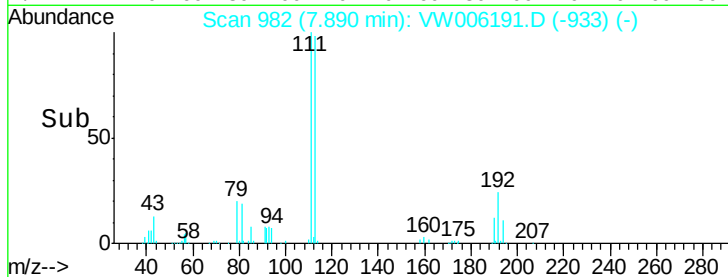
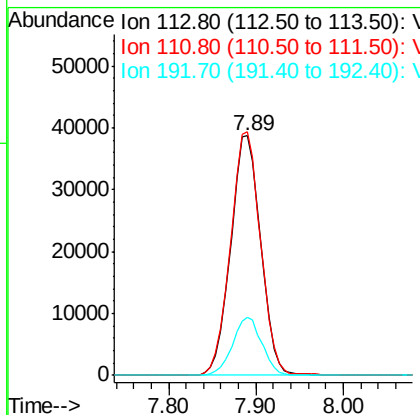
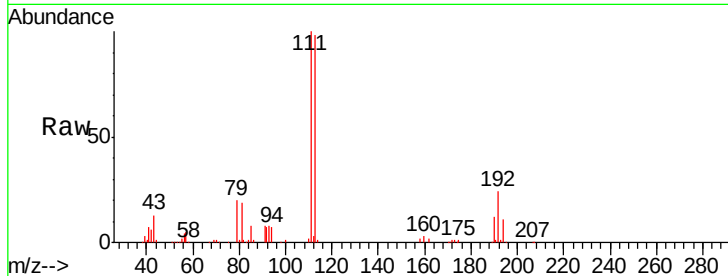
#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Instrument :
 MSVOA_W
 ClientSampled :
 AOC1-01A

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	23.4	18.7	28.1

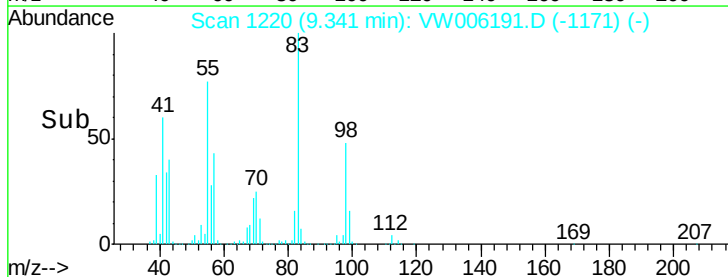
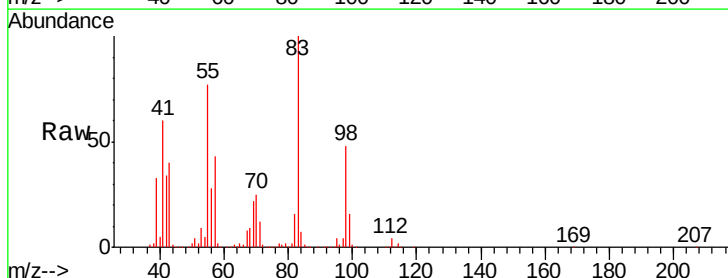
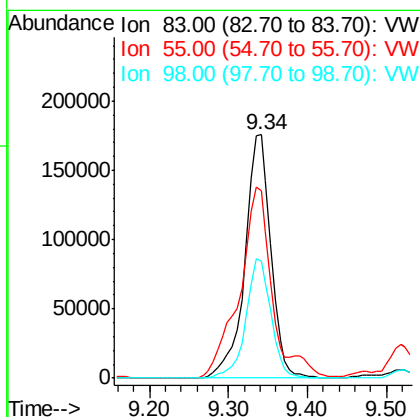
Manual Integrations
 APPROVED

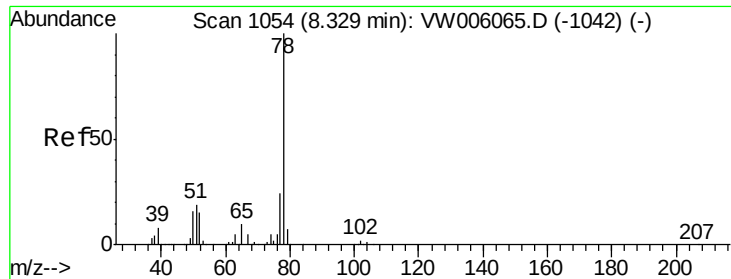
apatel
 10/19/2018 12:51:01 PM



#39
 Methylcyclohexane
 Concen: 101.68 ug/l
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.0	55.0	82.6
98	48.1	38.6	57.8





#40

Benzene

Concen: 3.05 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampled :

AOC1-01A

Tgt Ion: 78 Resp: 24985

Ion Ratio Lower Upper

78 100

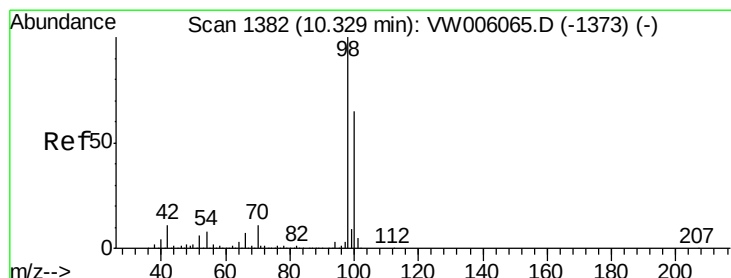
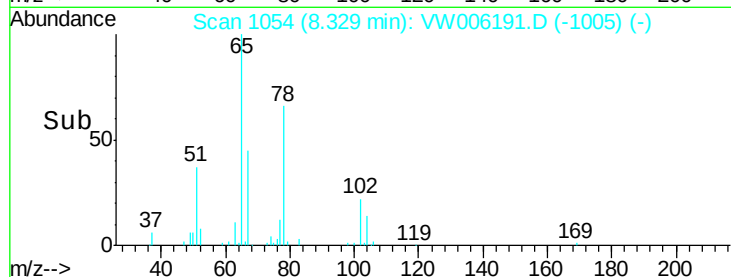
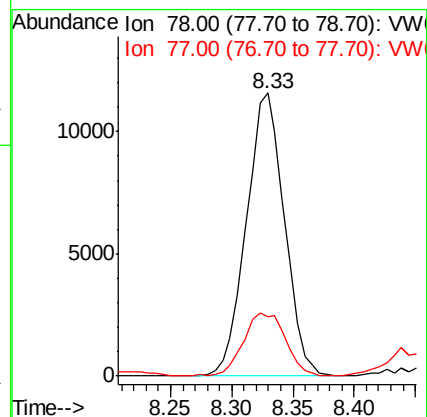
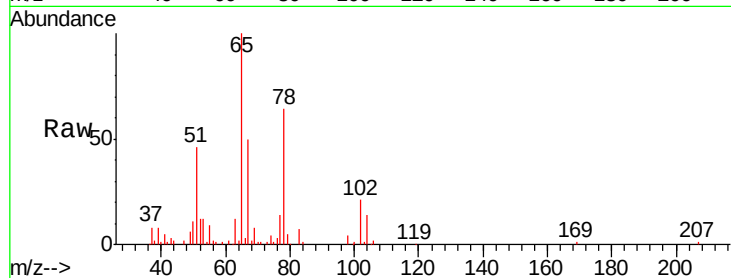
77 21.1 19.4 29.0

Manual Integrations

APPROVED

apatel

10/19/2018 12:51:01 PM



#50

Toluene-d8

Concen: 46.39 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006191.D

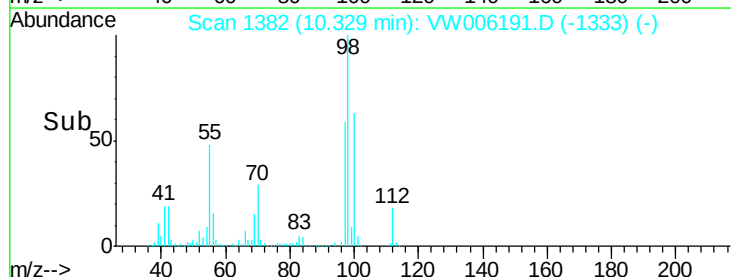
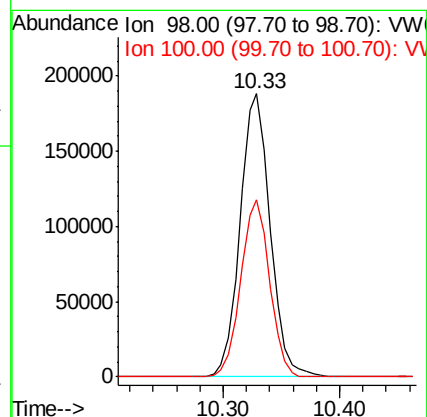
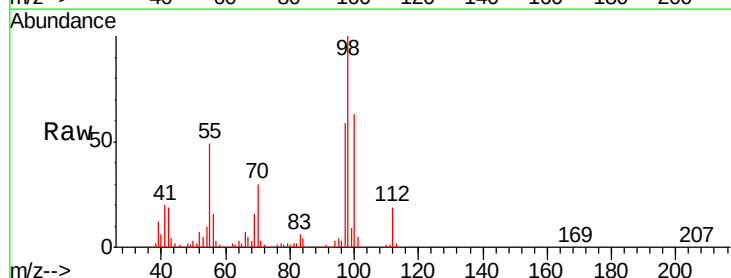
Acq: 18 Oct 2018 21:54

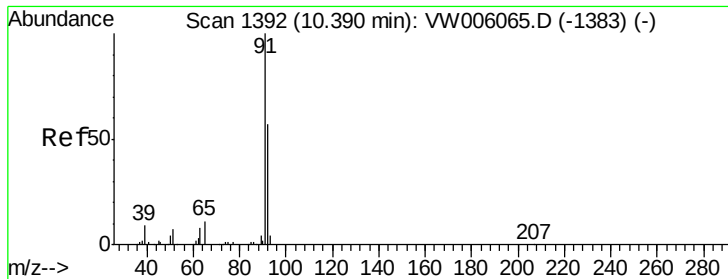
Tgt Ion: 98 Resp: 337759

Ion Ratio Lower Upper

98 100

100 60.1 51.6 77.4





#52

Toluene

Concen: 3.21 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

Tgt Ion: 92 Resp: 17595

Ion Ratio Lower Upper

92 100

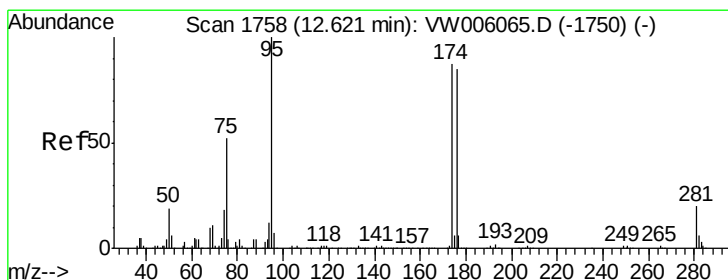
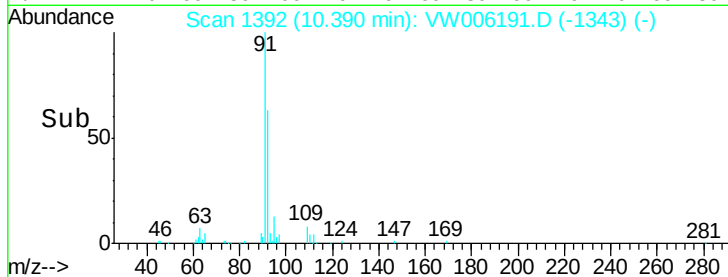
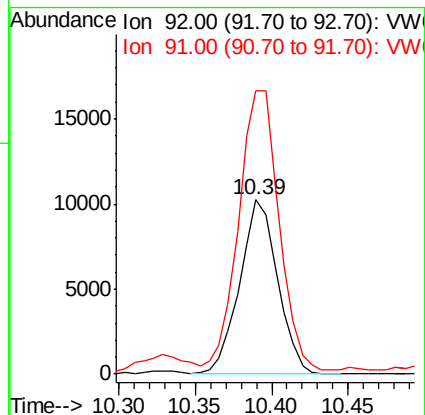
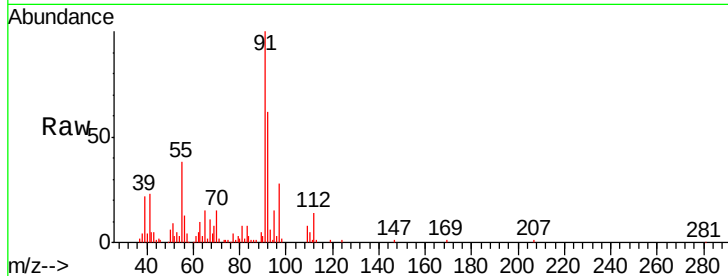
91 171.6 140.0 210.0

Manual Integrations

APPROVED

apatel

10/19/2018 12:51:01 PM



#62

4-Bromofluorobenzene

Concen: 43.91 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006191.D

Acq: 18 Oct 2018 21:54

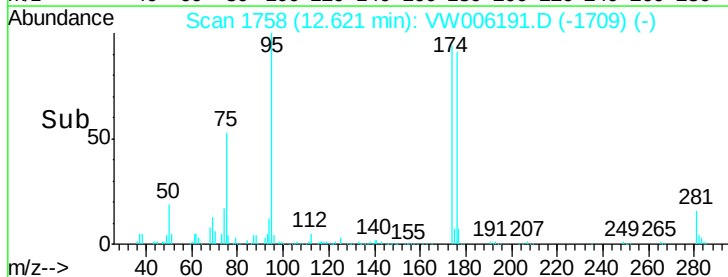
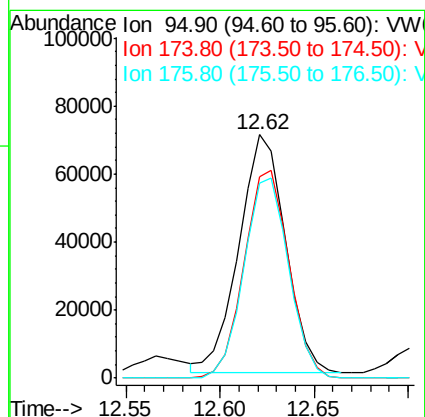
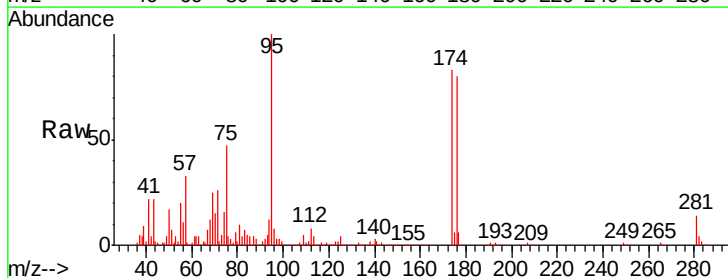
Tgt Ion: 95 Resp: 120059

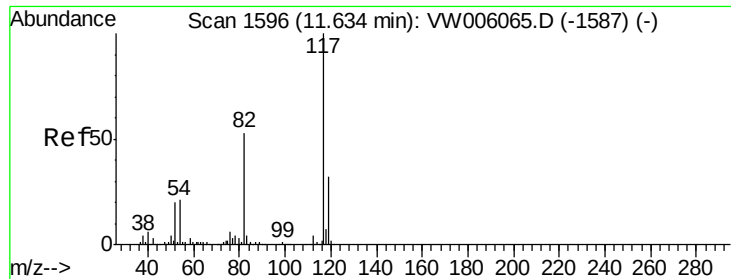
Ion Ratio Lower Upper

95 100

174 83.7 0.0 186.0

176 80.9 0.0 181.6





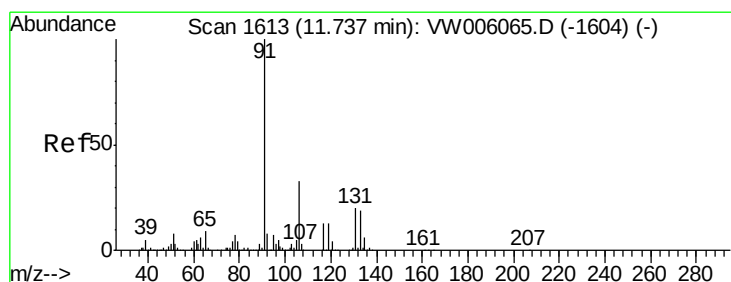
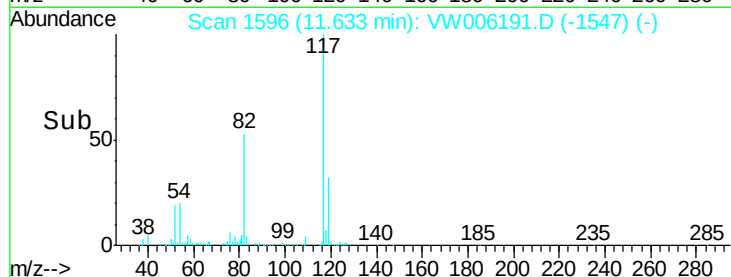
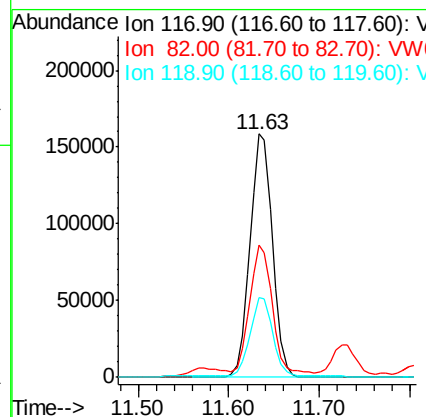
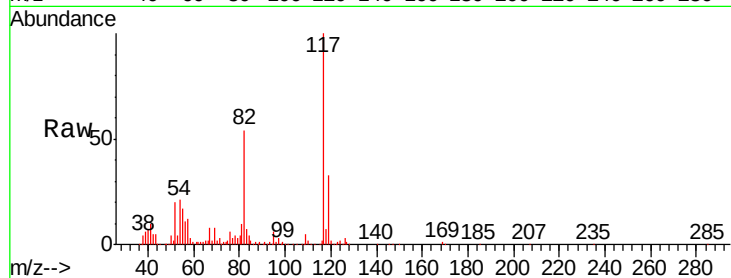
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.1	63.1
119	32.1	25.8	38.6

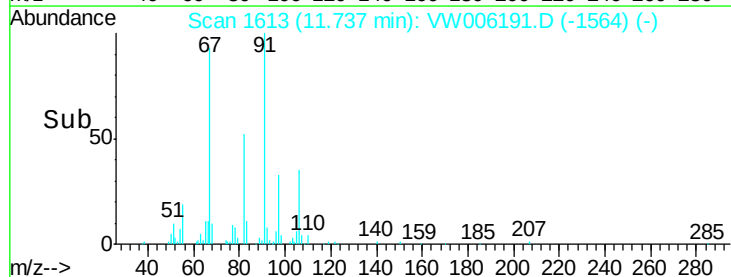
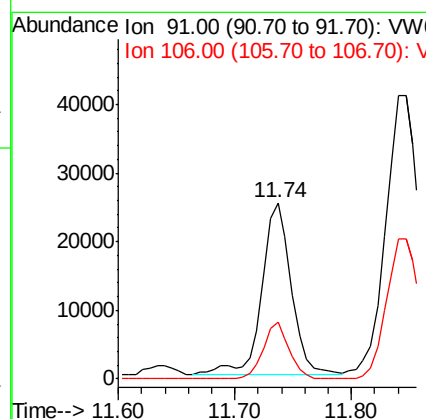
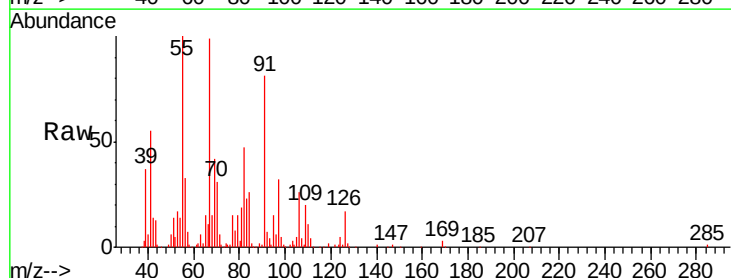
Manual Integrations
APPROVED

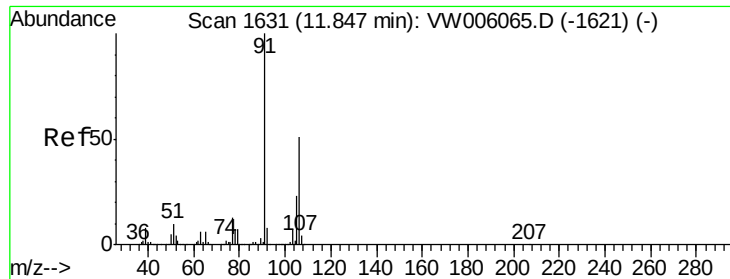
apatel
10/19/2018 12:51:01 PM



#67
Ethyl Benzene
Concen: 4.38 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.4	26.1	39.1





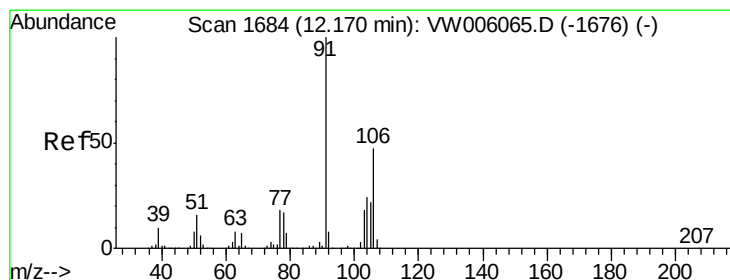
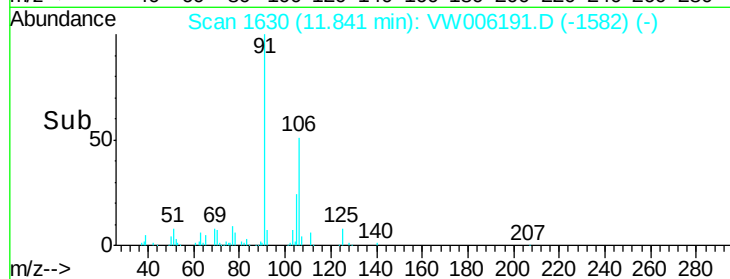
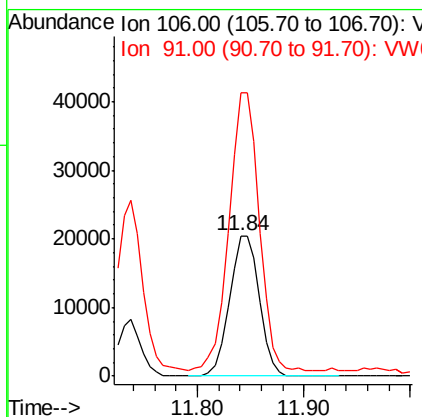
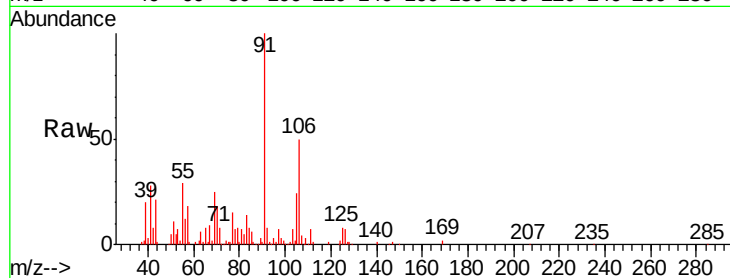
#68
m/p-Xylenes
Concen: 10.07 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

Tgt Ion:106 Resp: 39983
Ion Ratio Lower Upper
106 100
91 200.0 159.1 238.7

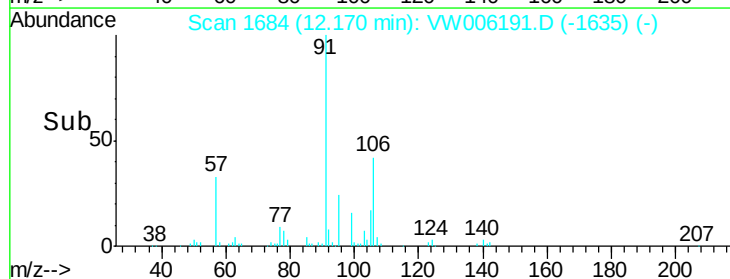
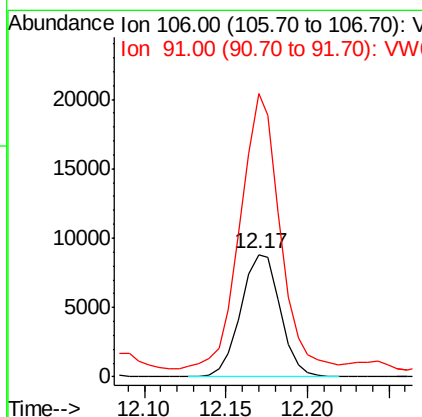
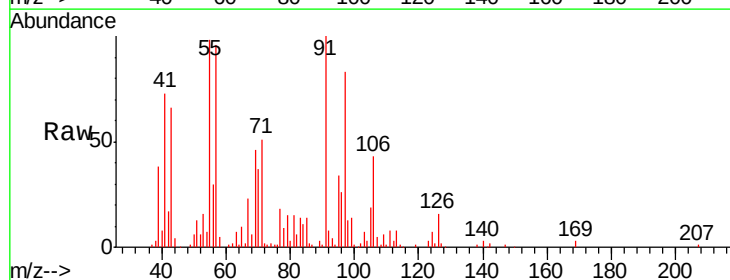
Manual Integrations
APPROVED

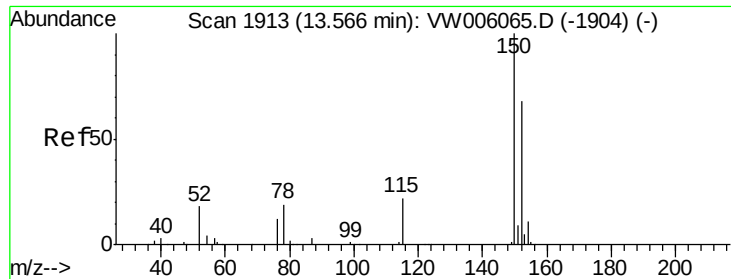
apatel
10/19/2018 12:51:01 PM



#69
o-Xylene
Concen: 3.93 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion:106 Resp: 14866
Ion Ratio Lower Upper
106 100
91 226.2 105.4 316.1





#72

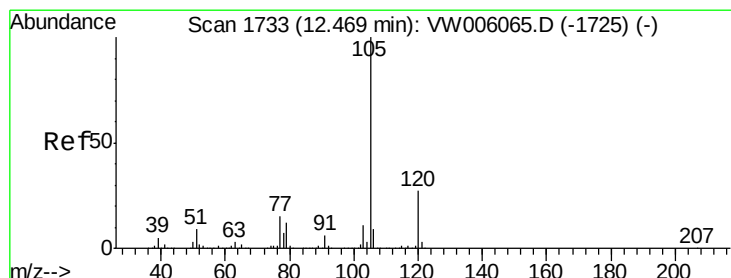
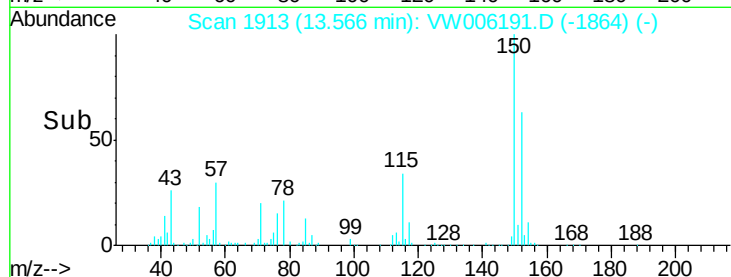
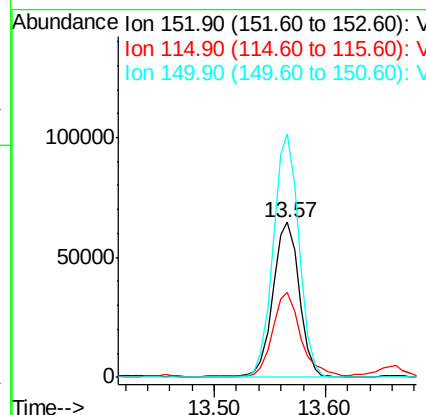
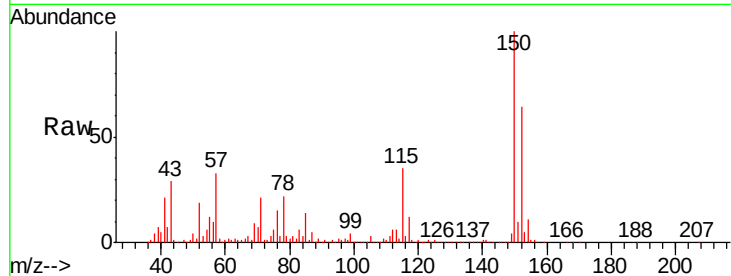
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.3
150	153.3	0.0	349.2

Manual Integrations
APPROVED

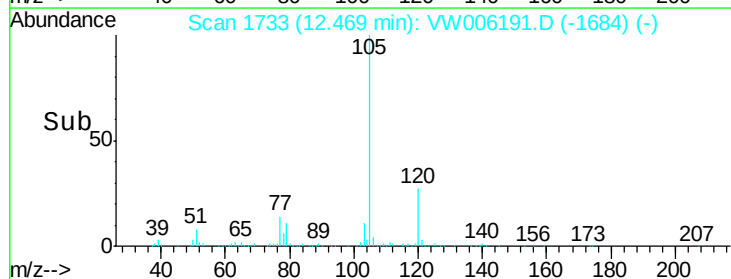
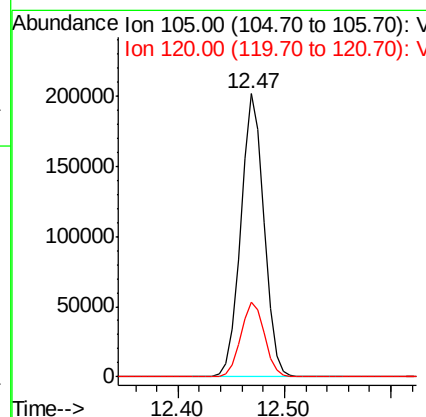
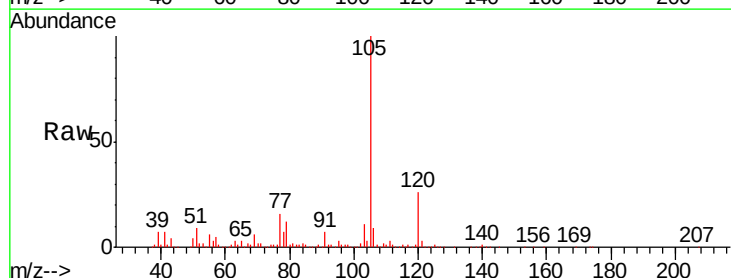
apatel
10/19/2018 12:51:01 PM

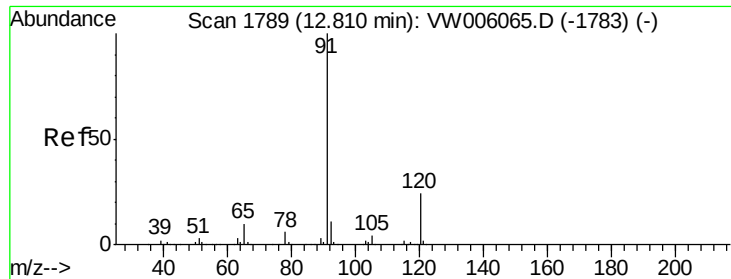


#73

Isopropylbenzene
Concen: 40.92 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.7





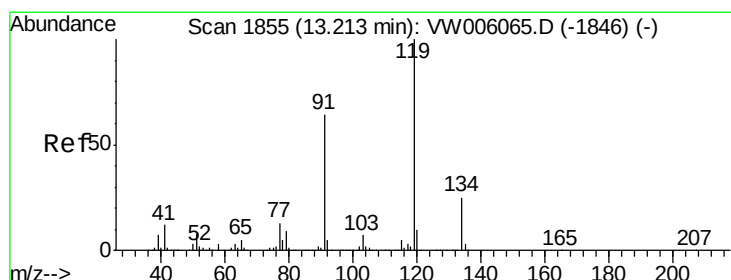
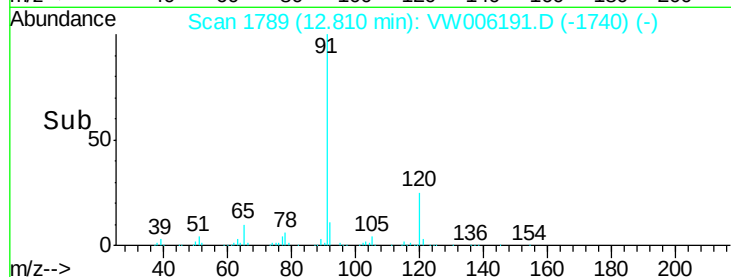
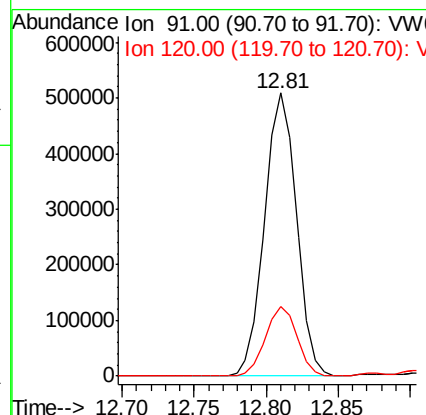
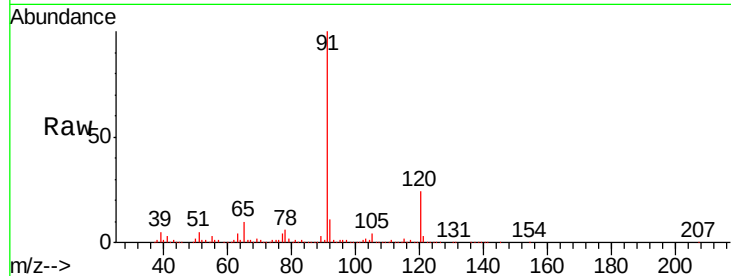
#78
n-propylbenzene
Concen: 88.87 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

Tgt Ion: 91 Resp: 777790
Ion Ratio Lower Upper
91 100
120 24.5 12.2 36.6

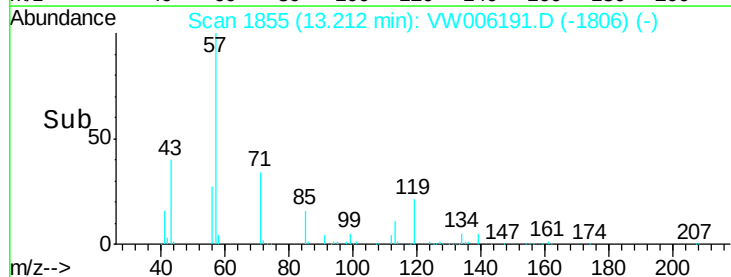
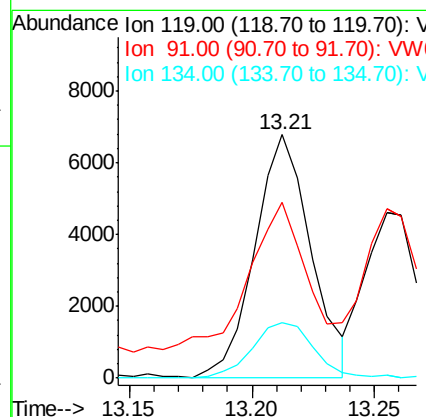
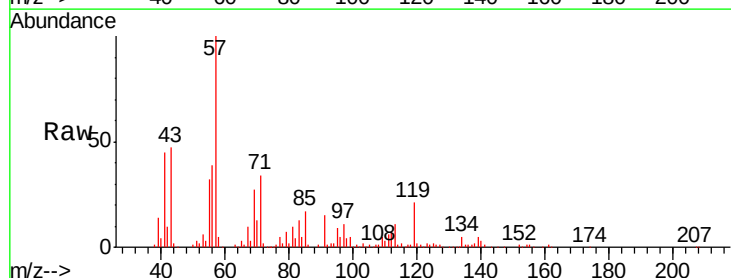
Manual Integrations
APPROVED

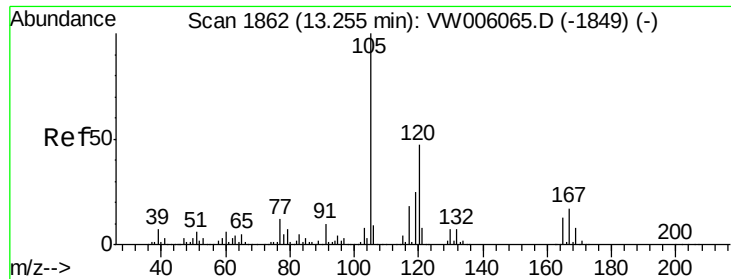
apatel
10/19/2018 12:51:01 PM



#83
tert-Butylbenzene
Concen: 1.91 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006191.D
Acq: 18 Oct 2018 21:54

Tgt Ion: 119 Resp: 10815
Ion Ratio Lower Upper
119 100
91 63.5 32.3 96.9
134 25.4 13.6 40.8





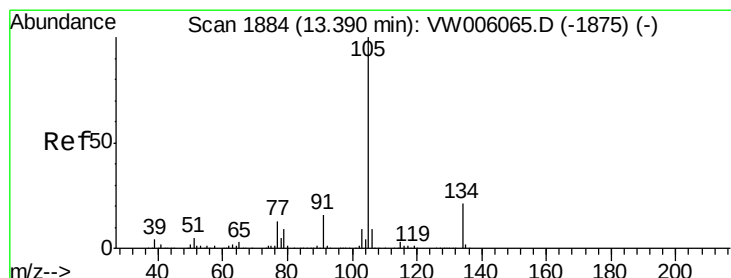
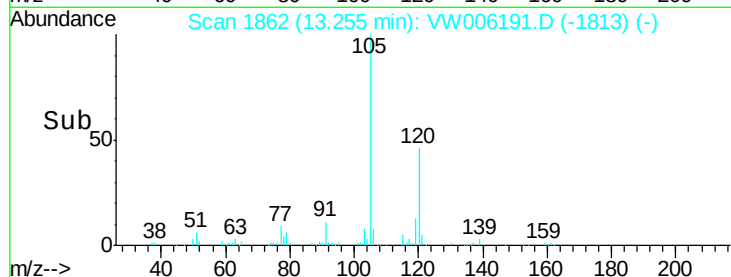
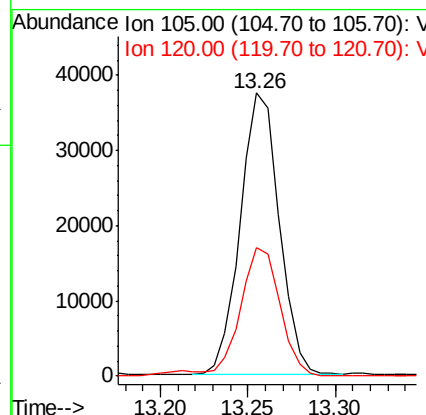
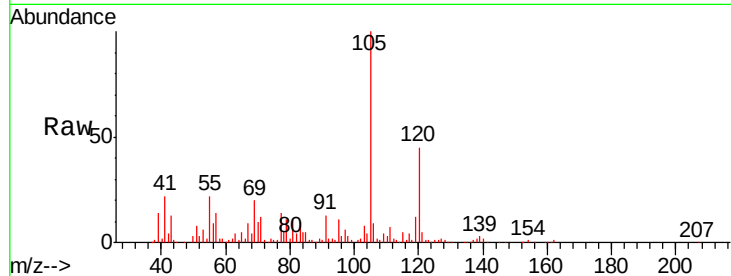
#84
 1,2,4-Trimethylbenzene
 Concen: 9.08 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Tgt Ion:105 Resp: 58250
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3

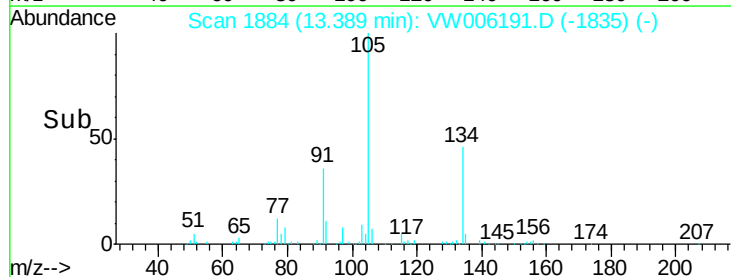
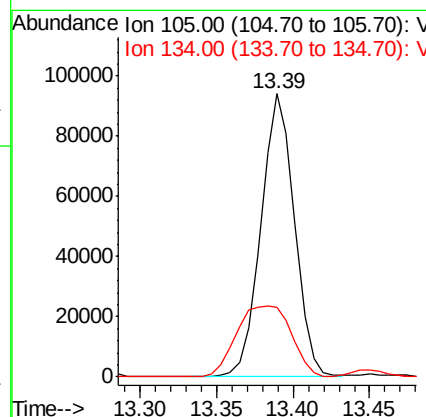
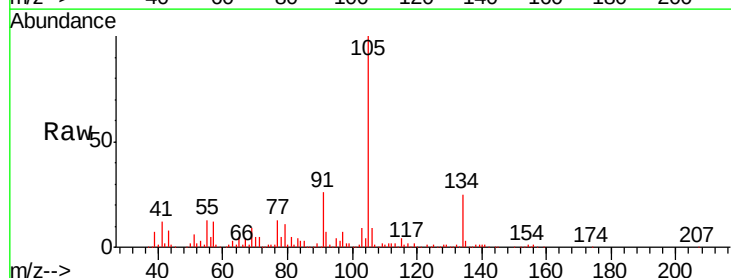
Manual Integrations
 APPROVED

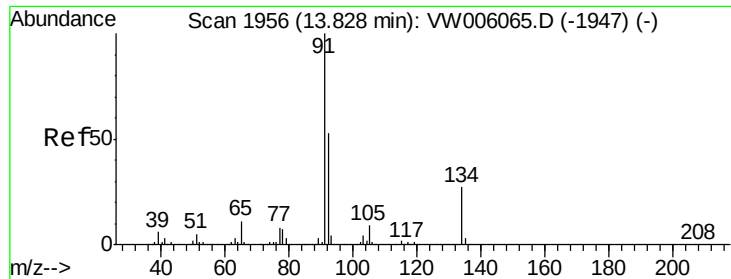
apatel
 10/19/2018 12:51:01 PM



#85
 sec-Butylbenzene
 Concen: 17.79 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Tgt Ion:105 Resp: 142628
 Ion Ratio Lower Upper
 105 100
 134 41.3 10.5 31.6#





#89
 n-Butylbenzene
 Concen: 18.81 ug/l m
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW006191.D
 Acq: 18 Oct 2018 21:54

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	124739		
92	60.6	26.6	79.7	
134	154.8	14.0	41.9#	

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:51:01 PM

