

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007762.D
 Acq On : 20 Dec 2018 21:52
 Operator : SY/AP
 Sample : J6392-22
 Misc : 7.53G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(22-24)

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:04:28 AM

Quant Time: Dec 21 04:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	136353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	116399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50439	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	29927	34.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.42%	
35) Dibromofluoromethane	7.88	113	27061	32.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.06%	
50) Toluene-d8	10.33	98	208724m	66.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.12%	
62) 4-Bromofluorobenzene	12.62	95	76704	63.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.64%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.37	76	3689	1.514	ug/l #	75
31) Cyclohexane	7.94	56	1422481	1092.348	ug/l #	54
39) Methylcyclohexane	9.34	83	4022659	2459.838	ug/l #	86
40) Benzene	8.32	78	1238860	352.764	ug/l	100
52) Toluene	10.40	92	119363	50.659	ug/l	98
67) Ethyl Benzene	11.74	91	21316140	4930.606	ug/l #	74
68) m/p-Xylenes	11.86	106	11547217	6885.459	ug/l	82
69) o-Xylene	12.18	106	10737415	6830.358	ug/l	77
73) Isopropylbenzene	12.48	105	9735619	2553.520	ug/l	100
78) n-propylbenzene	12.82	91	15212822	3427.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	14975867	4553.784	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	27035601m	8147.068	ug/l	
85) sec-Butylbenzene	13.40	105	1582216	397.861	ug/l #	56
86) p-Isopropyltoluene	13.51	119	982191	271.611	ug/l	99
89) n-Butylbenzene	13.83	91	2160970	651.763	ug/l #	67
95) Naphthalene	15.38	128	7171796	3597.762	ug/l	98

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

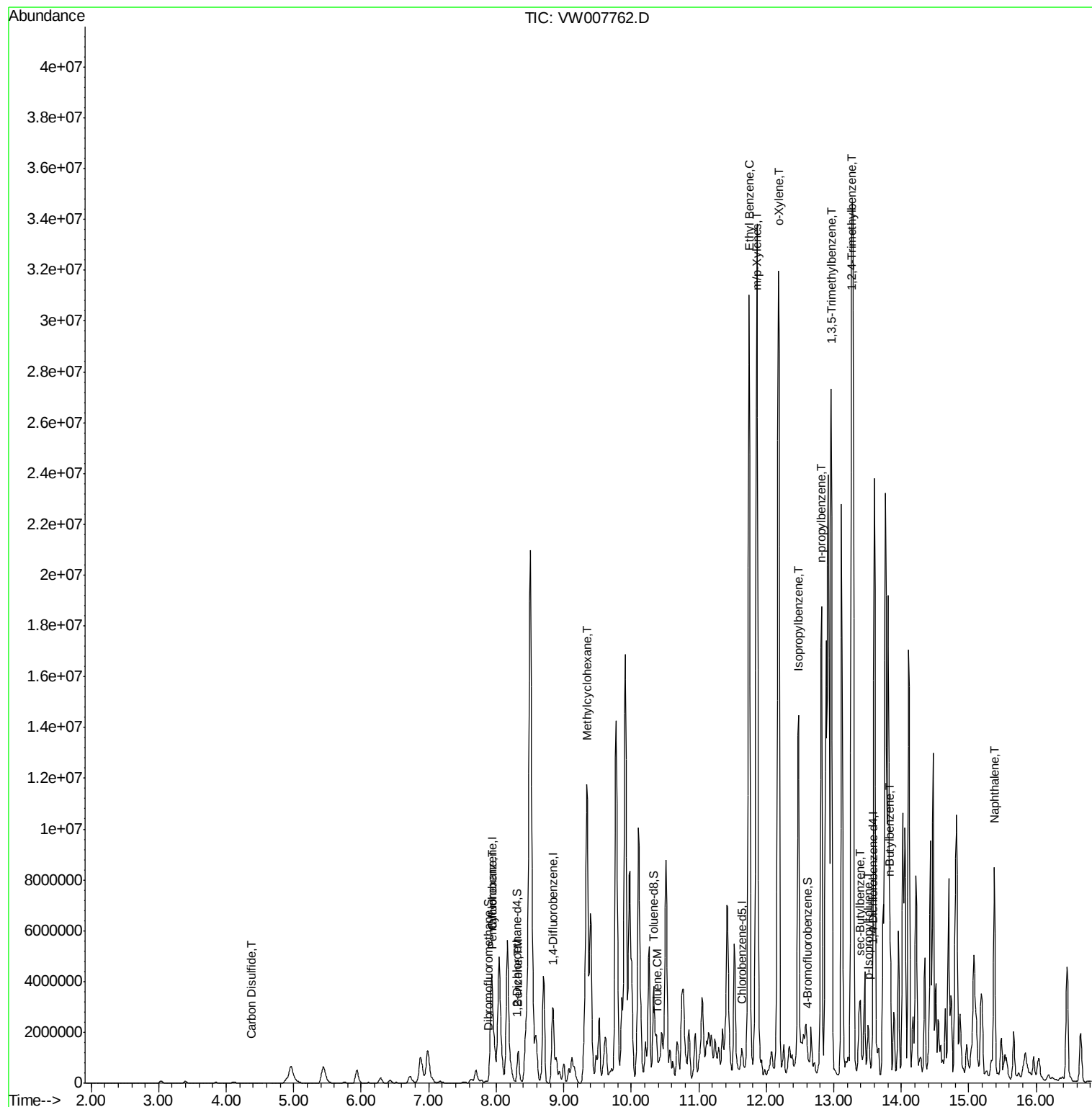
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
Data File : VW007762.D
Acq On : 20 Dec 2018 21:52
Operator : SY/AP
Sample : J6392-22
Misc : 7.53G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

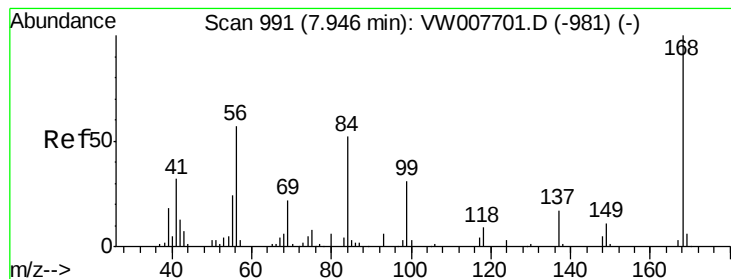
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:28 AM

Quant Time: Dec 21 04:59:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

Tgt Ion:168 Resp: 79813

Ion Ratio Lower Upper

168 100

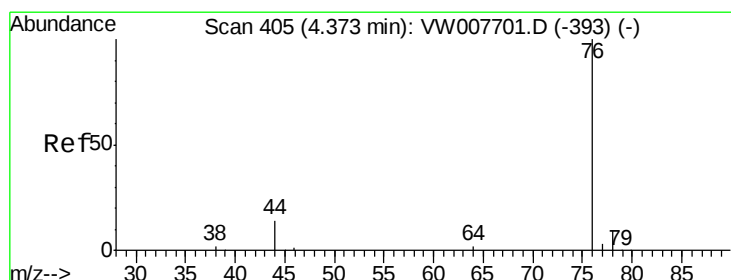
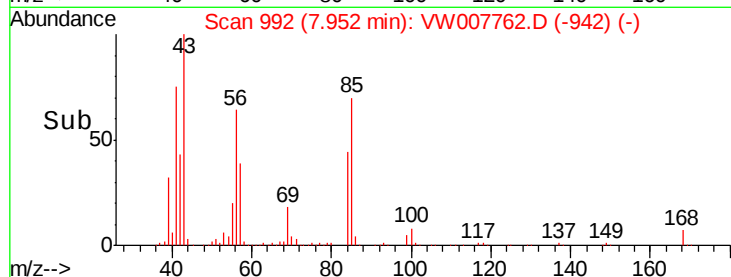
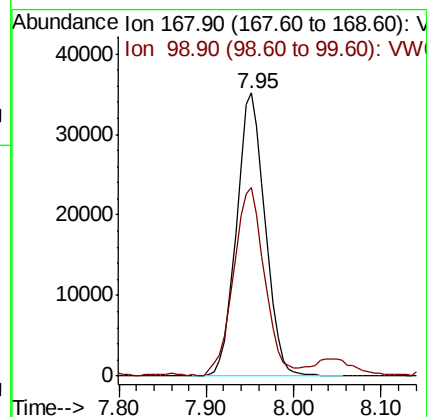
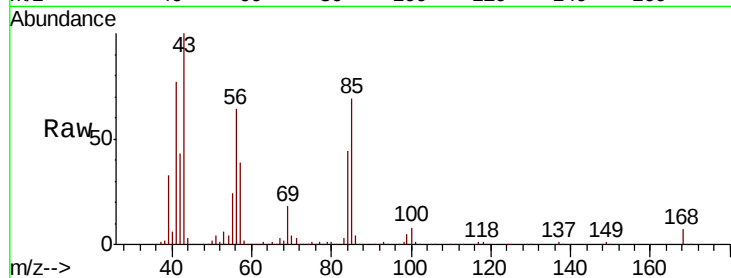
99 66.3 54.0 81.0

Manual Integrations

APPROVED

apatel

12/21/2018 11:04:28 AM



#17

Carbon Disulfide

Concen: 1.514 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007762.D

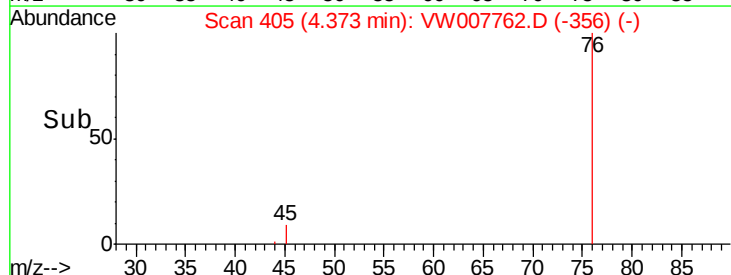
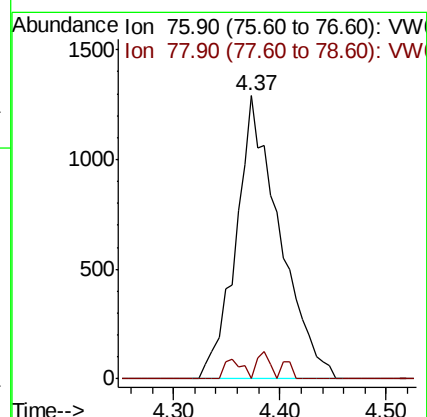
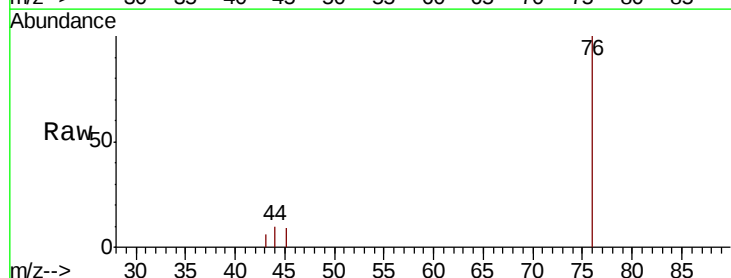
Acq: 20 Dec 2018 21:52

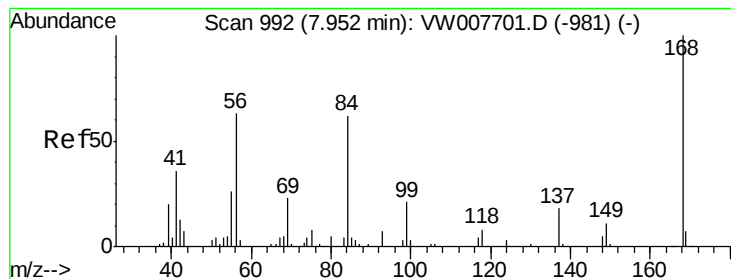
Tgt Ion: 76 Resp: 3689

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#31

Cyclohexane

Concen: 1092.348 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

Tgt Ion: 56 Resp: 1422481

Ion Ratio Lower Upper

56 100

69 12.8 29.7 44.5#

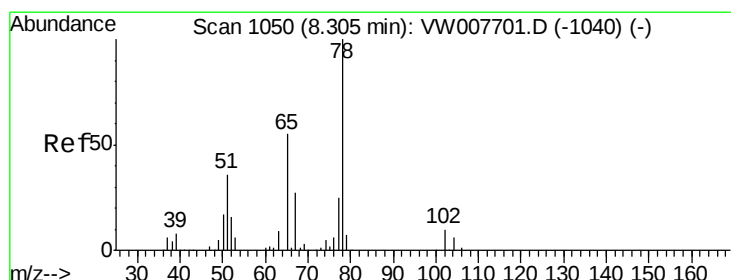
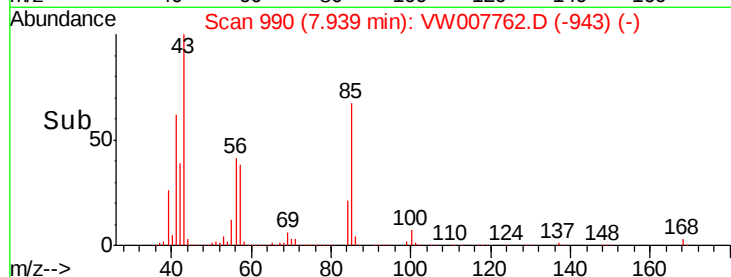
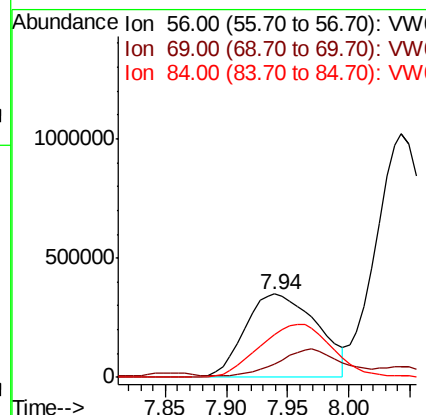
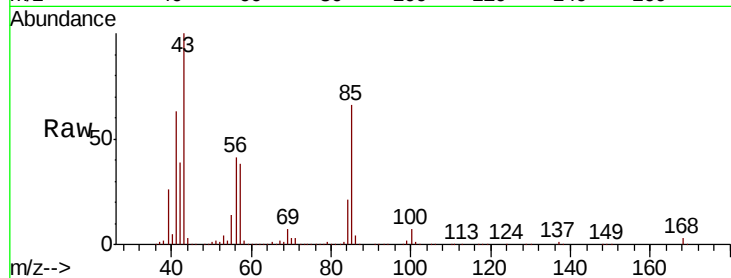
84 51.6 78.9 118.3#

Manual Integrations

APPROVED

apatel

12/21/2018 11:04:28 AM



#33

1,2-Dichloroethane-d4

Concen: 34.211 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007762.D

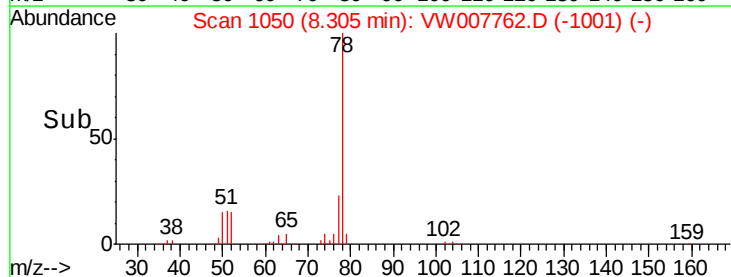
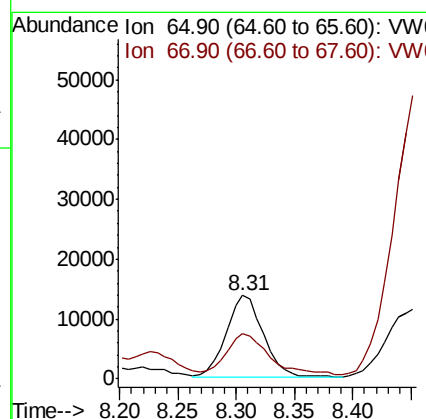
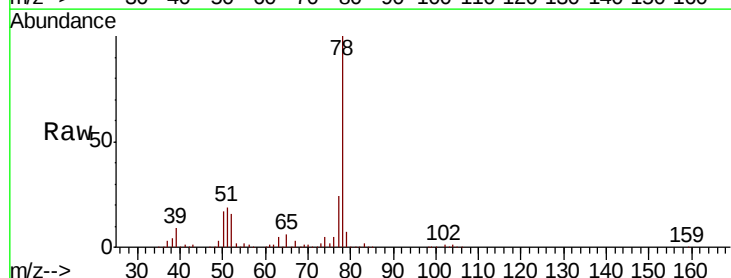
Acq: 20 Dec 2018 21:52

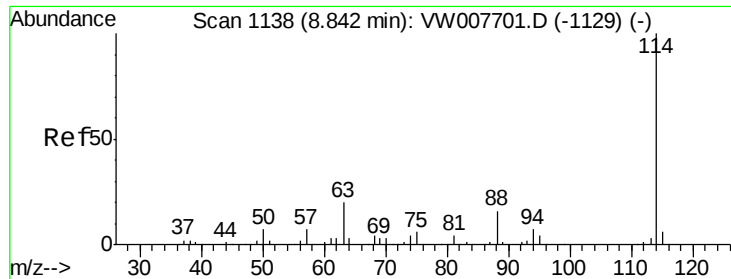
Tgt Ion: 65 Resp: 29927

Ion Ratio Lower Upper

65 100

67 57.1 0.0 100.6





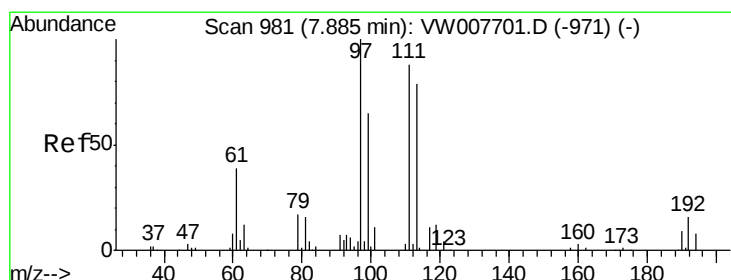
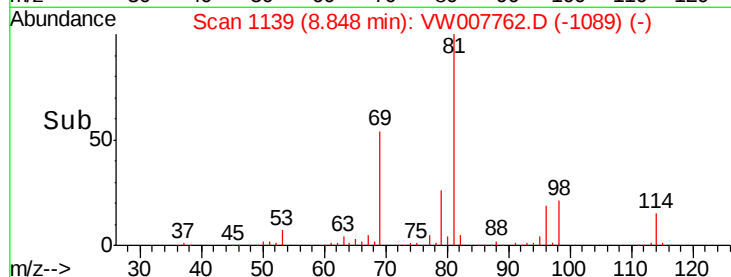
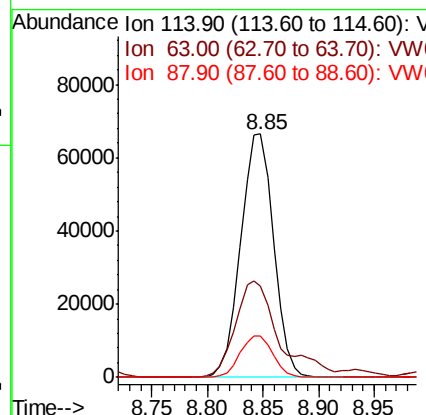
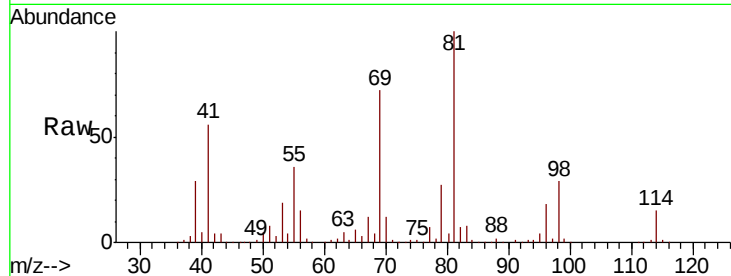
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	37.5	0.0	40.0
88	16.8	0.0	32.6

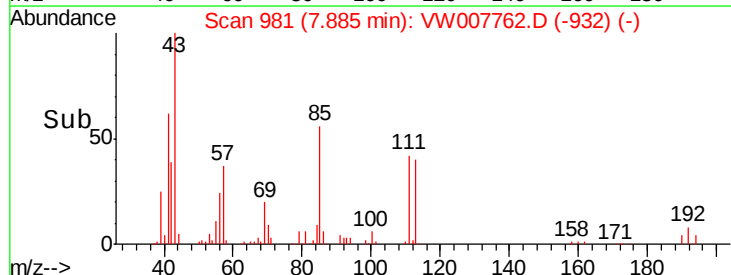
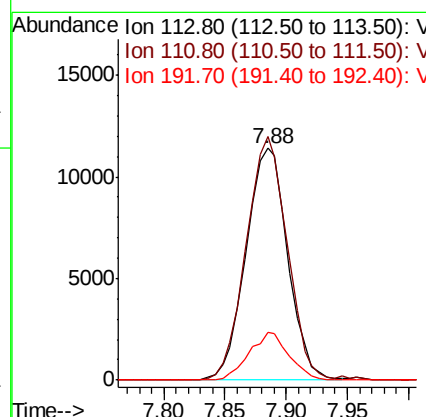
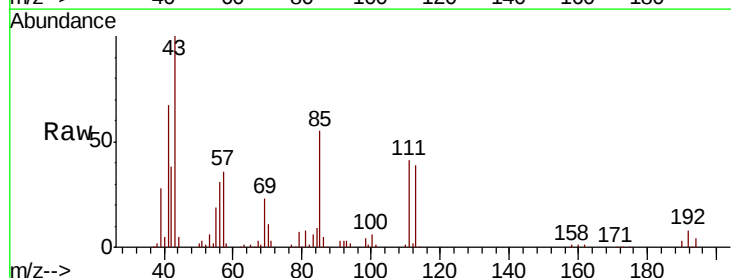
Manual Integrations
APPROVED

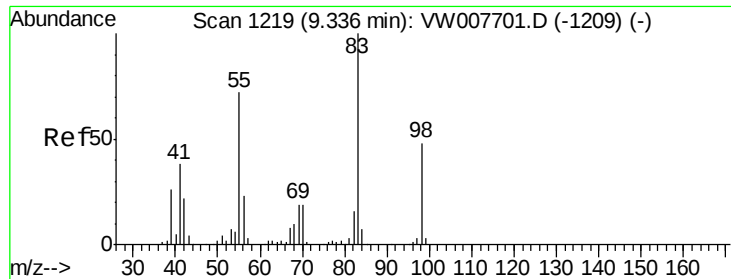
apatel
12/21/2018 11:04:28 AM



#35
Dibromofluoromethane
Concen: 32.532 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	103.5	82.6	124.0
192	19.5	15.5	23.3





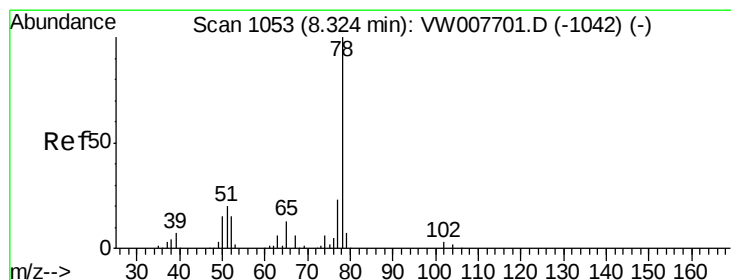
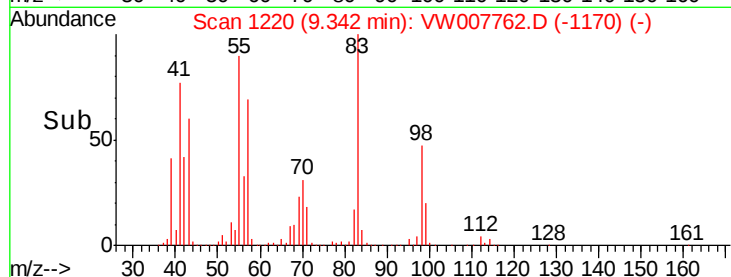
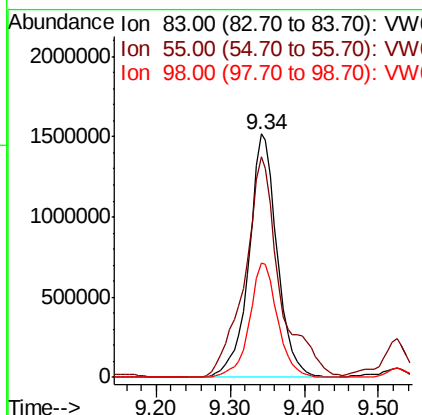
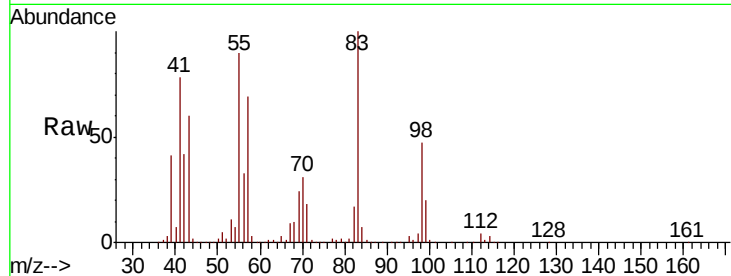
#39
Methylcyclohexane
Concen: 2459.838 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Tgt Ion: 83 Resp: 4022659
Ion Ratio Lower Upper
83 100
55 90.3 57.2 85.8#
98 46.9 38.6 58.0

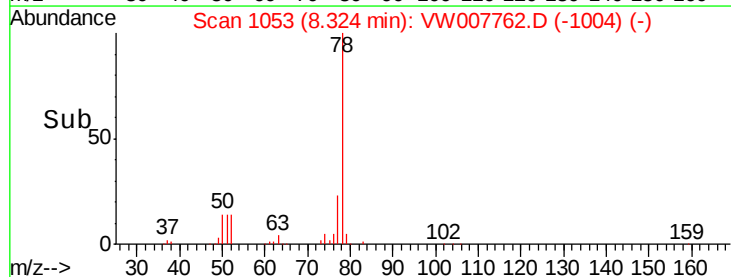
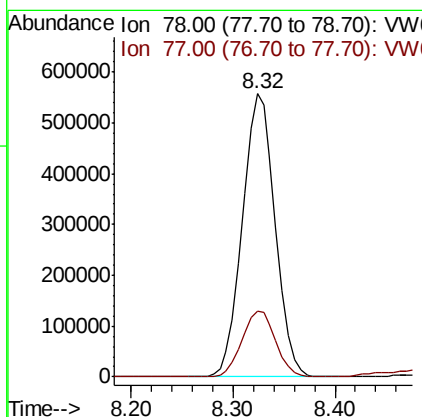
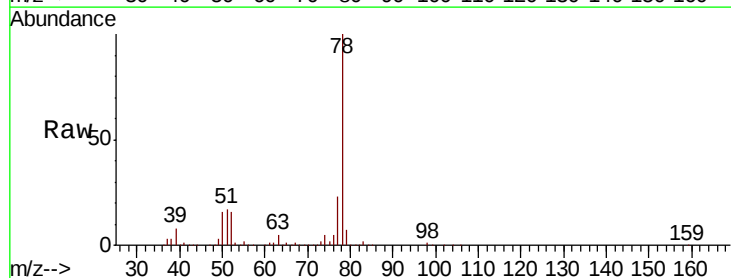
Manual Integrations
APPROVED

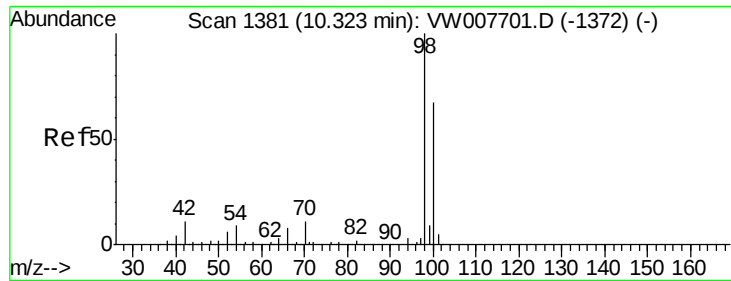
apatel
12/21/2018 11:04:28 AM



#40
Benzene
Concen: 352.764 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 78 Resp: 1238860
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1





#50

Toluene-d8

Concen: 66.560 ug/l m

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

Tgt Ion: 98 Resp: 208724

Ion Ratio Lower Upper

98 100

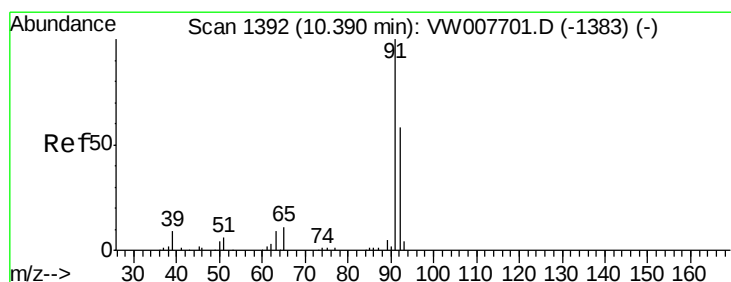
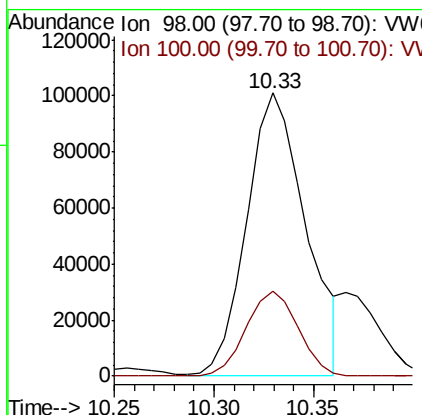
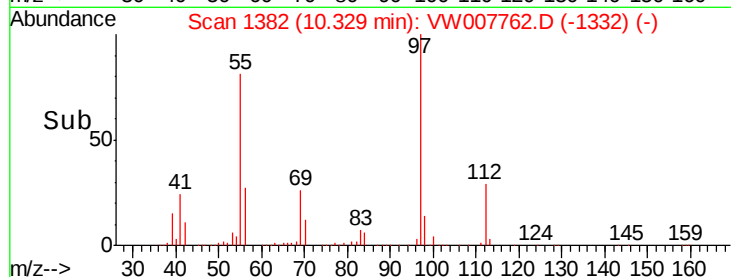
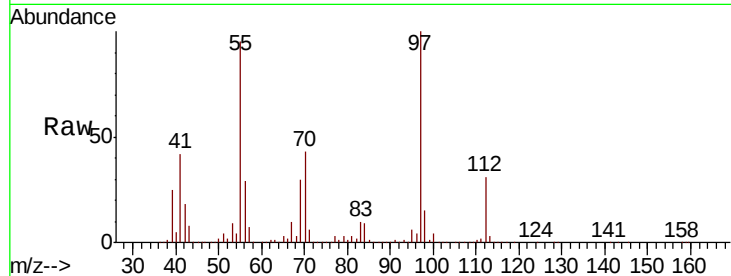
100 26.5 52.2 78.2#

Manual Integrations

APPROVED

apatel

12/21/2018 11:04:28 AM



#52

Toluene

Concen: 50.659 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007762.D

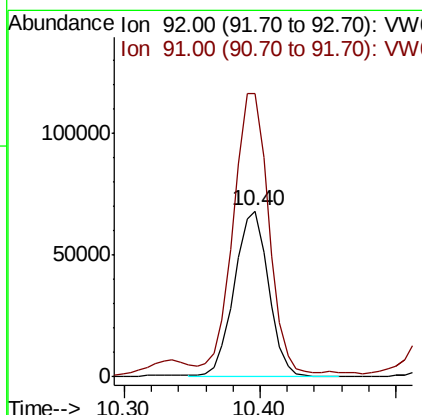
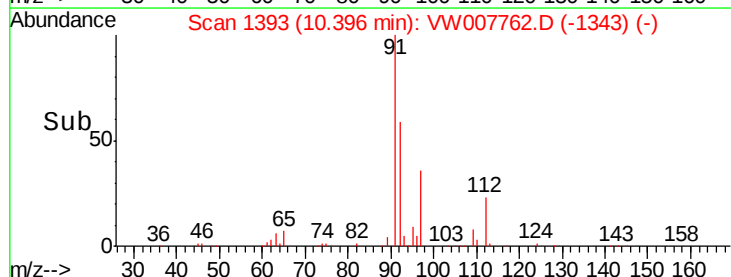
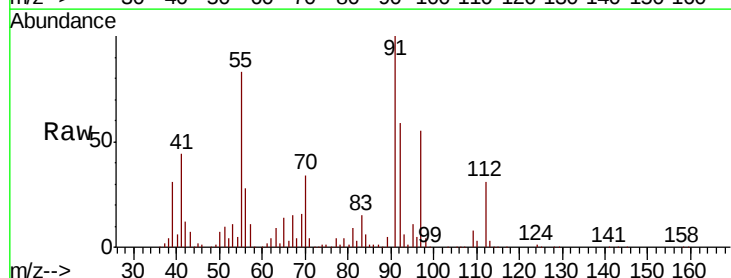
Acq: 20 Dec 2018 21:52

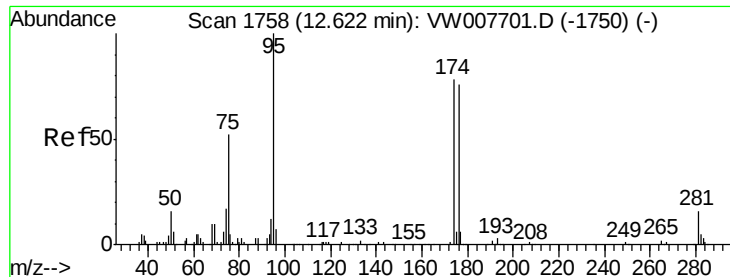
Tgt Ion: 92 Resp: 119363

Ion Ratio Lower Upper

92 100

91 173.5 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 63.316 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

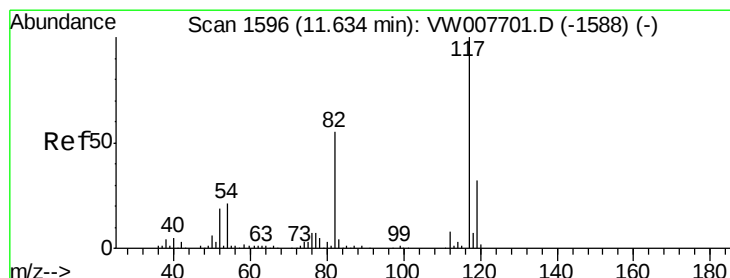
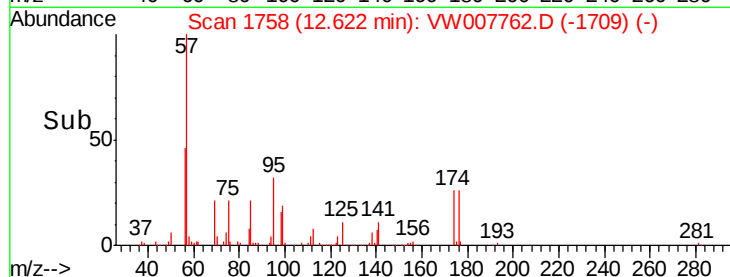
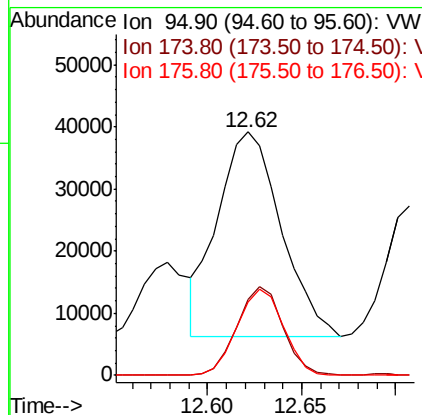
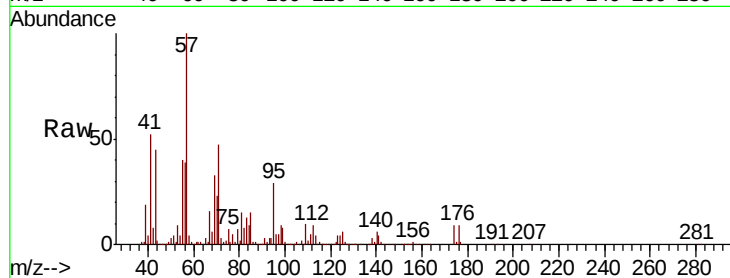
ClientSampleId :

KY001SB106-121218-(22-24)

Tgt Ion:	95	Resp:	76704
Ion Ratio	Lower	Upper	
95	100		
174	31.6	0.0	152.2
176	30.9	0.0	146.8

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:28 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

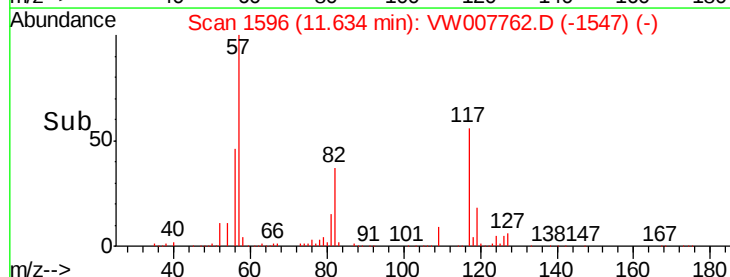
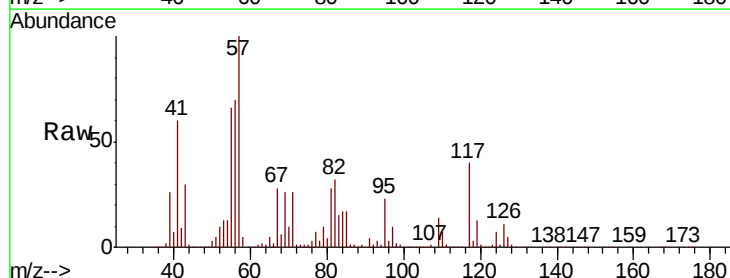
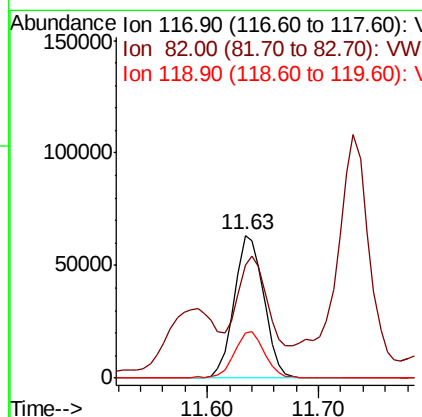
RT: 11.63 min Scan# 1596

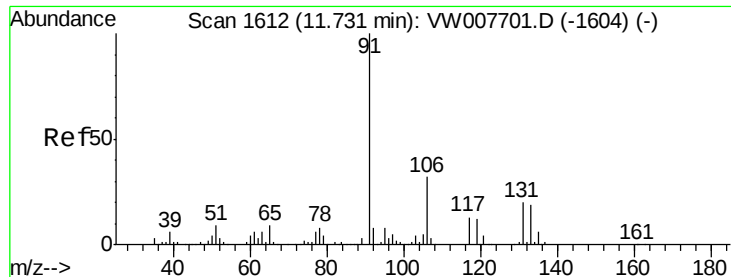
Delta R.T. -0.00 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Tgt Ion:	117	Resp:	116399
Ion Ratio	Lower	Upper	
117	100		
82	31.8	44.3	66.5#
119	31.3	25.7	38.5





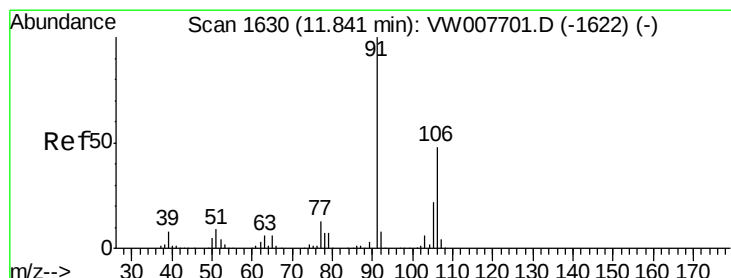
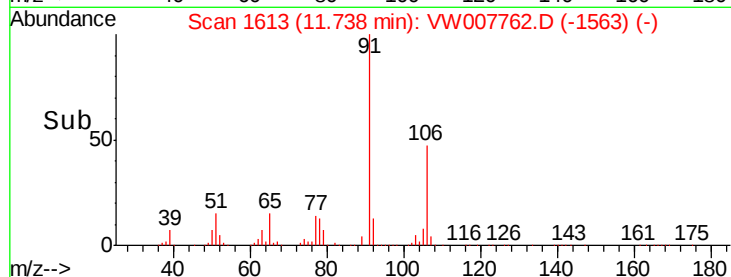
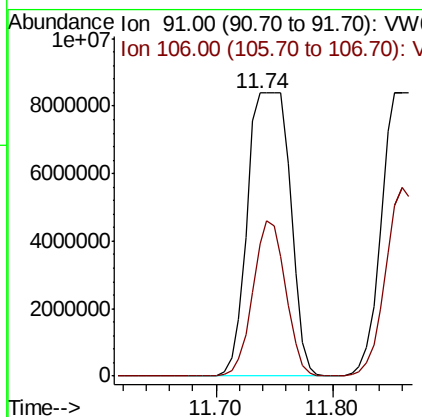
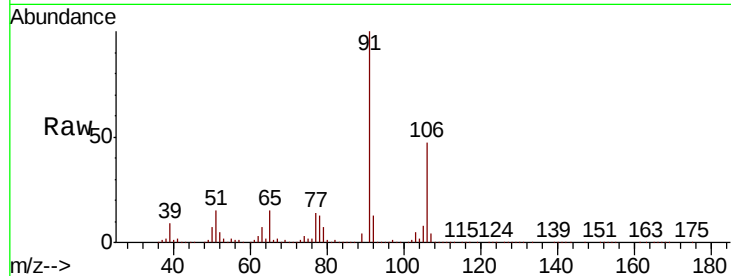
#67
Ethyl Benzene
Concen: 4930.606 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Tgt Ion: 91 Resp:21316140
Ion Ratio Lower Upper
91 100
106 46.7 25.8 38.8#

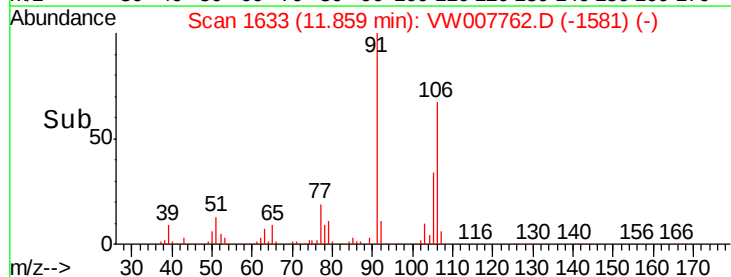
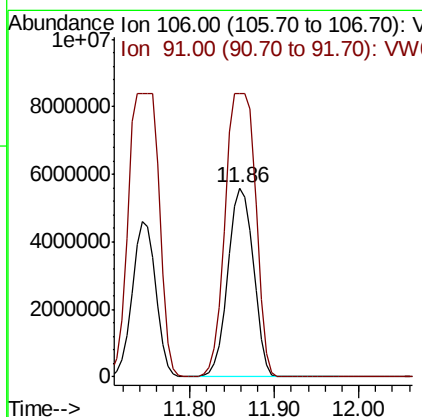
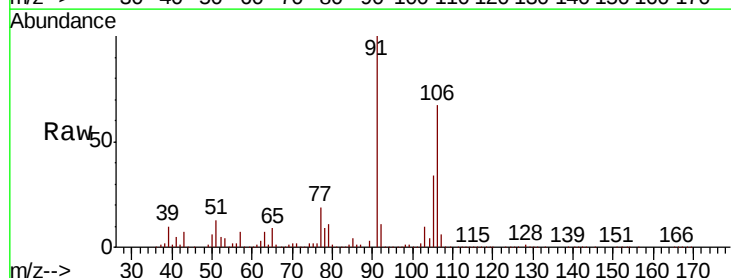
Manual Integrations
APPROVED

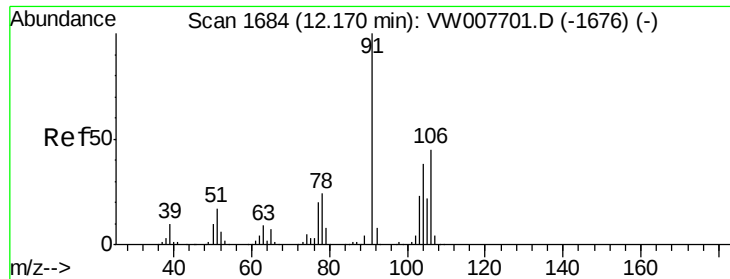
apatel
12/21/2018 11:04:28 AM



#68
m/p-Xylenes
Concen: 6885.459 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion:106 Resp:11547217
Ion Ratio Lower Upper
106 100
91 178.0 165.2 247.8





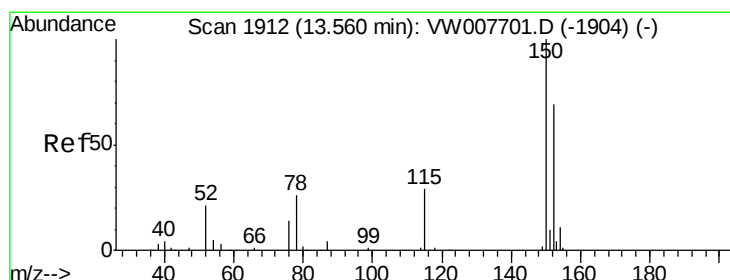
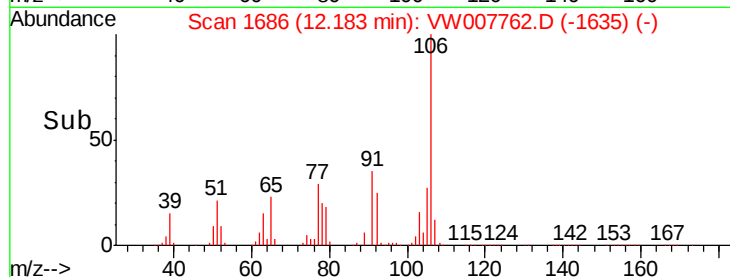
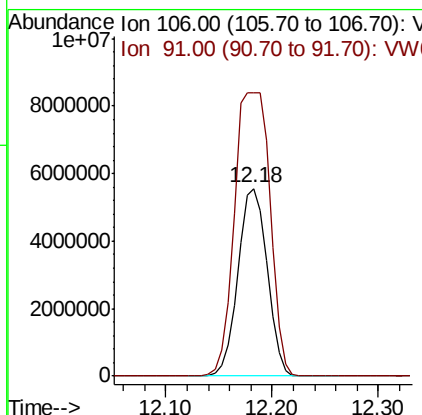
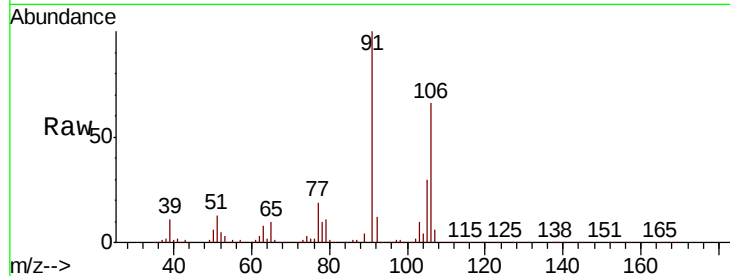
#69
o-Xylene
Concen: 6830.358 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Tgt Ion:106 Resp:10737415
Ion Ratio Lower Upper
106 100
91 183.9 110.5 331.4

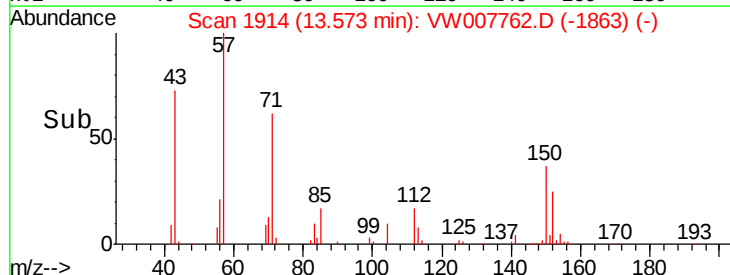
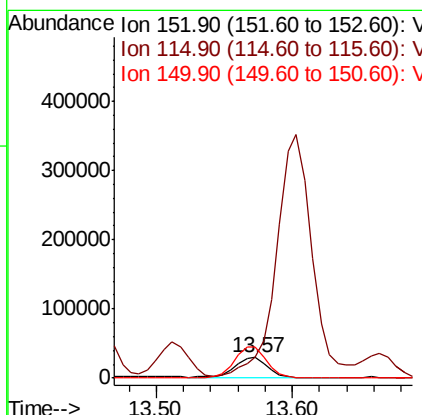
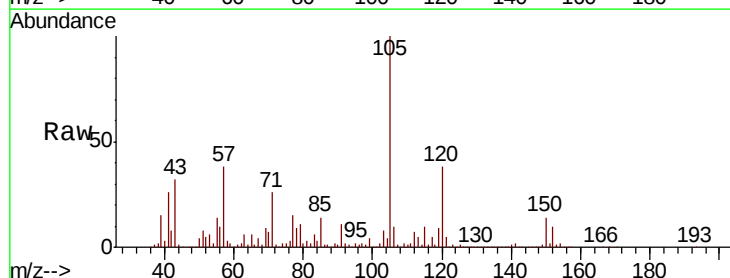
Manual Integrations
APPROVED

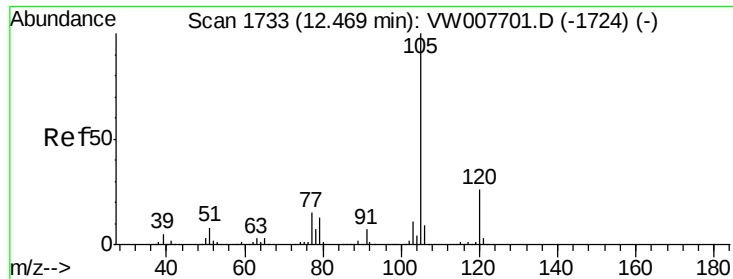
apatel
12/21/2018 11:04:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion:152 Resp: 50439
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 146.8 0.0 350.8





#73

Isopropylbenzene

Concen: 2553.520 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007762.D

Acq: 20 Dec 2018 21:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(22-24)

Tgt Ion: 105 Resp: 9735619

Ion Ratio Lower Upper

105 100

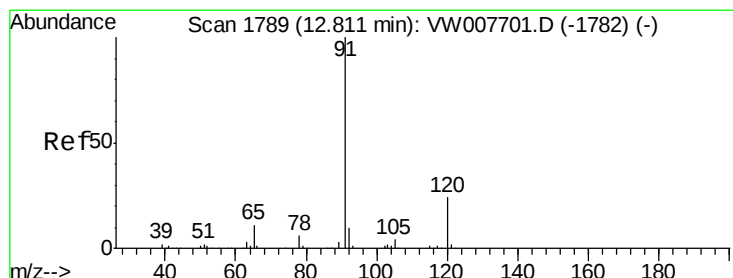
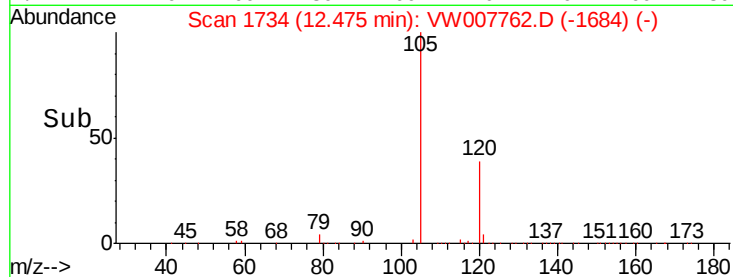
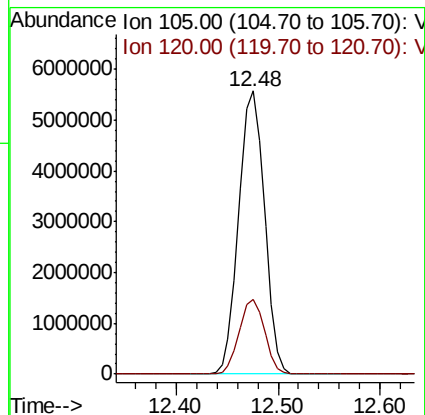
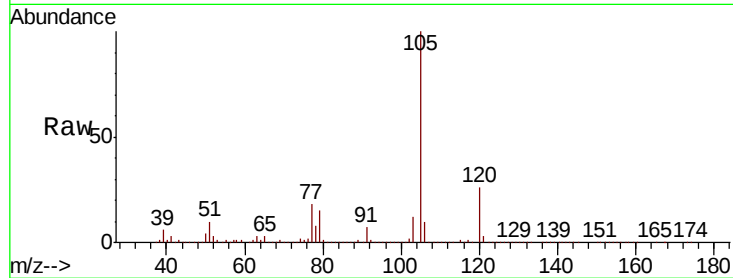
120 26.0 13.1 39.3

Manual Integrations

APPROVED

apatel

12/21/2018 11:04:28 AM



#78

n-propylbenzene

Concen: 3427.746 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007762.D

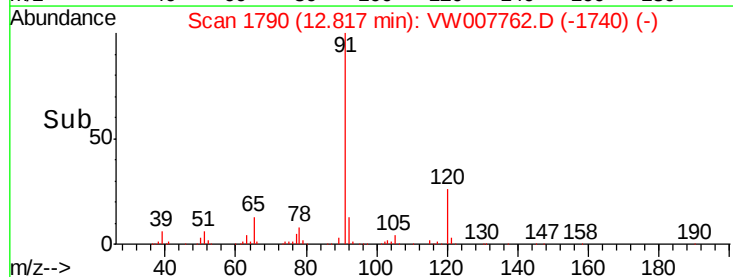
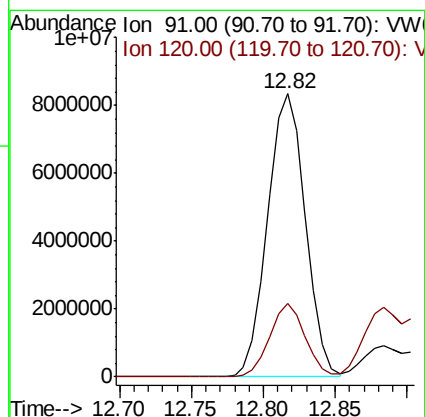
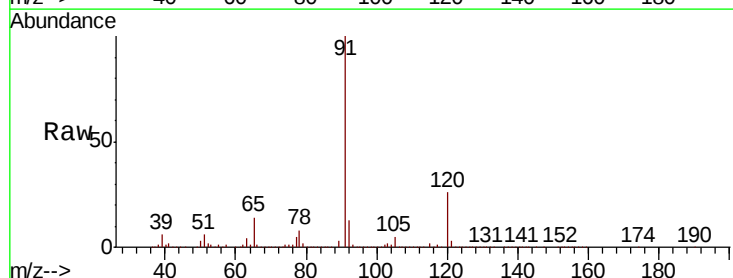
Acq: 20 Dec 2018 21:52

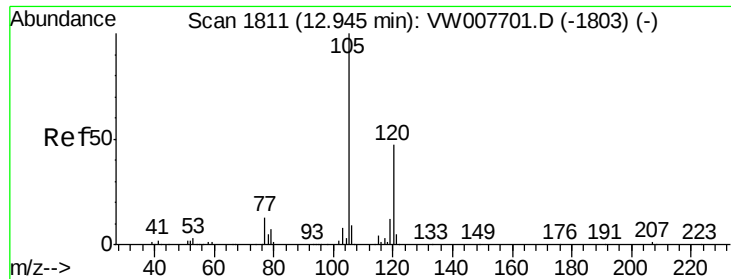
Tgt Ion: 91 Resp: 15212822

Ion Ratio Lower Upper

91 100

120 24.3 11.9 35.7





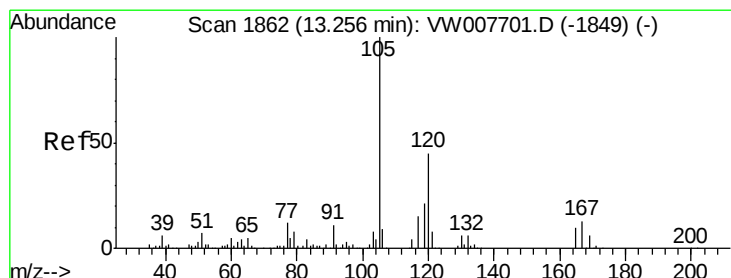
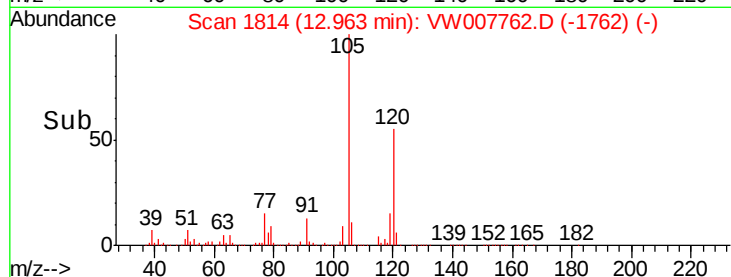
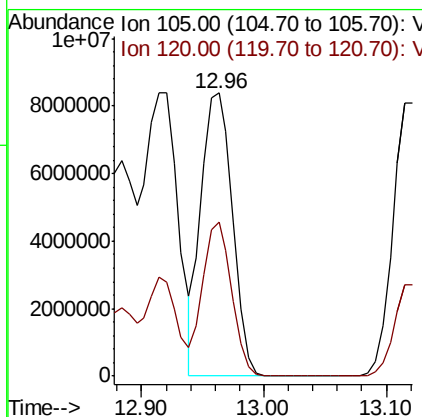
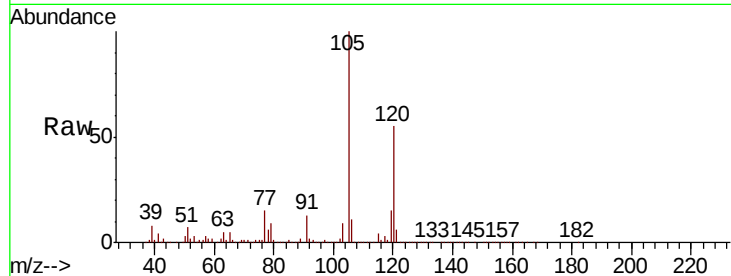
#80
 1,3,5-Trimethylbenzene
 Concen: 4553.784 ug/l
 RT: 12.96 min Scan# 1814
 Delta R.T. 0.02 min
 Lab File: VW007762.D
 Acq: 20 Dec 2018 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(22-24)

Tgt Ion:105 Resp:14975867
 Ion Ratio Lower Upper
 105 100
 120 50.6 23.6 70.8

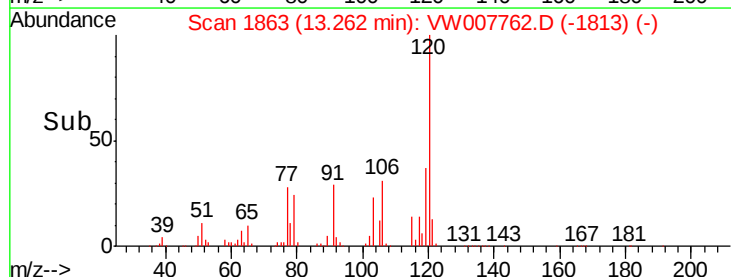
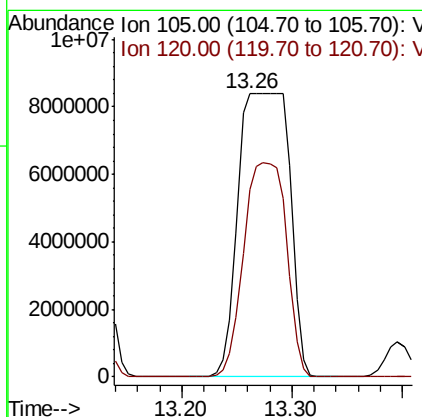
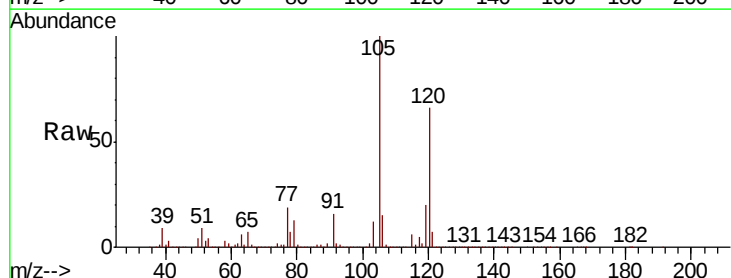
Manual Integrations
 APPROVED

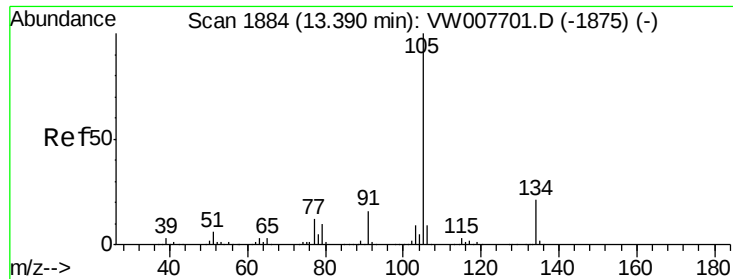
apatel
 12/21/2018 11:04:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 8147.068 ug/l m
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007762.D
 Acq: 20 Dec 2018 21:52

Tgt Ion:105 Resp:27035601
 Ion Ratio Lower Upper
 105 100
 120 17.2 22.0 66.0#





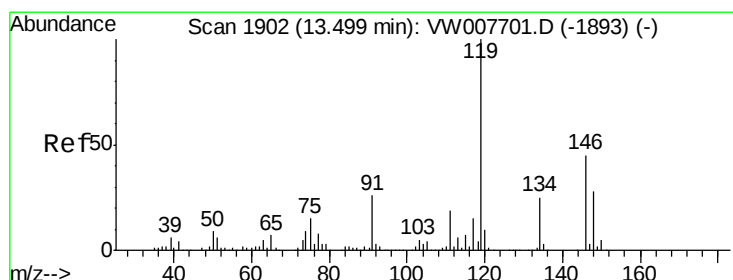
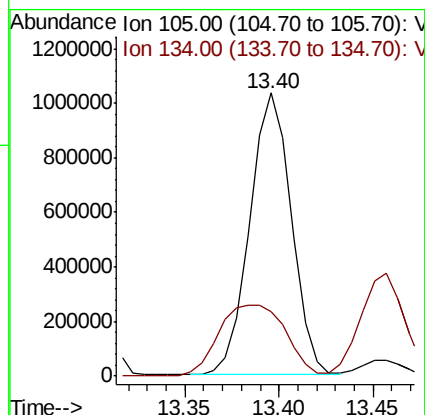
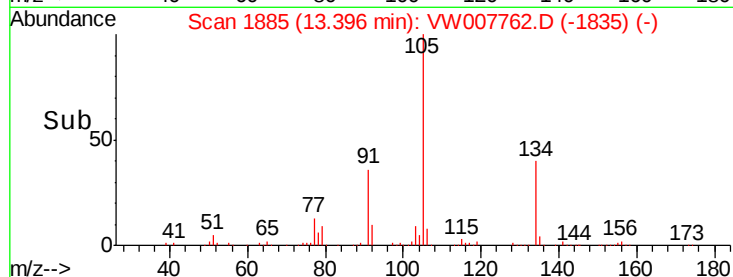
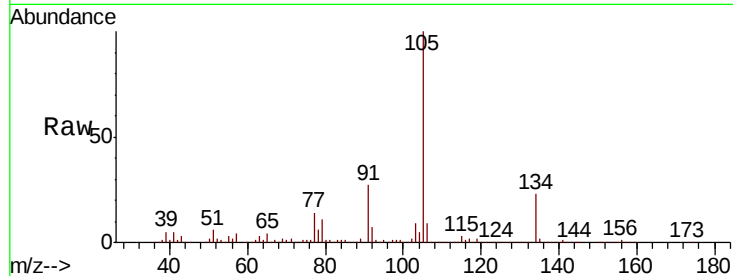
#85
 sec-Butylbenzene
 Concen: 397.861 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.01 min
 Lab File: VW007762.D
 Acq: 20 Dec 2018 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(22-24)

Tgt Ion:105 Resp: 1582216
 Ion Ratio Lower Upper
 105 100
 134 40.8 10.2 30.4#

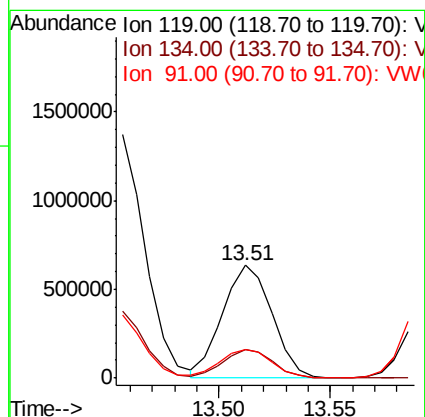
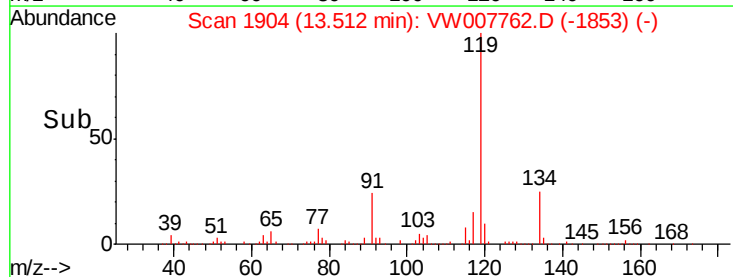
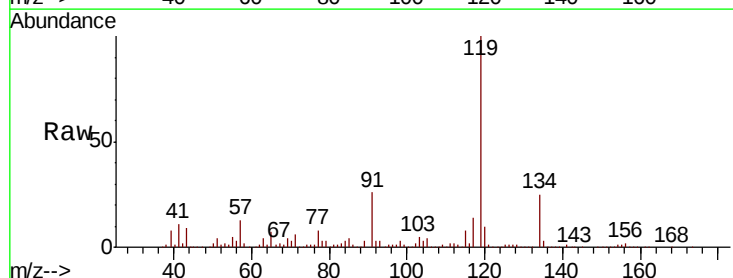
Manual Integrations
 APPROVED

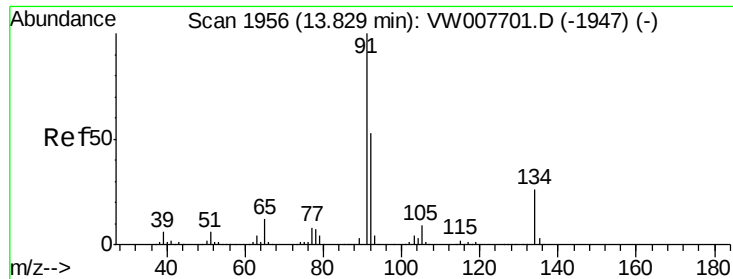
apatel
 12/21/2018 11:04:28 AM



#86
 p-Isopropyltoluene
 Concen: 271.611 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW007762.D
 Acq: 20 Dec 2018 21:52

Tgt Ion:119 Resp: 982191
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.0 39.0
 91 25.6 12.8 38.4





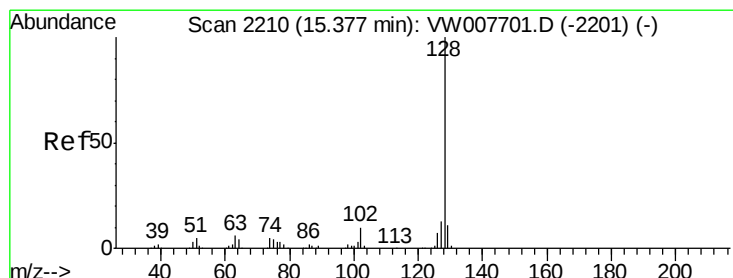
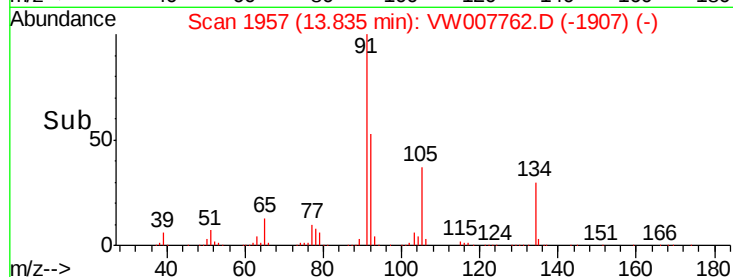
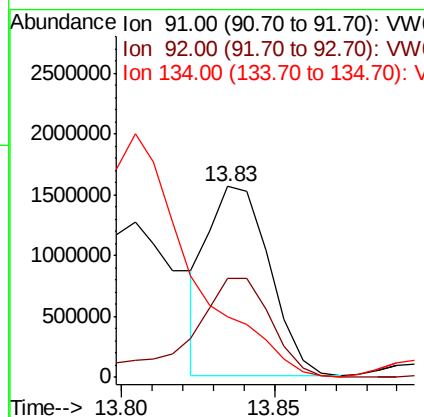
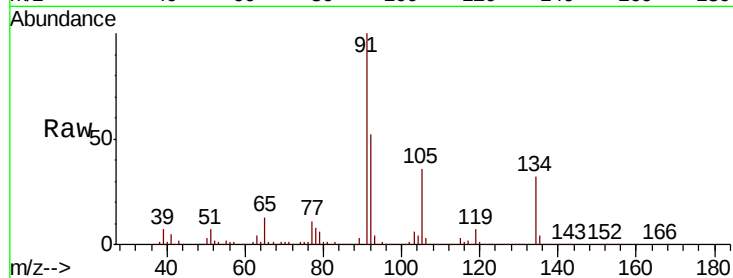
#89
n-Butylbenzene
Concen: 651.763 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(22-24)

Tgt Ion: 91 Resp: 2160970
Ion Ratio Lower Upper
91 100
92 69.3 26.4 79.2
134 0.0 13.7 41.0#

Manual Integrations
APPROVED

apatel
12/21/2018 11:04:28 AM



#95
Naphthalene
Concen: 3597.762 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007762.D
Acq: 20 Dec 2018 21:52

Tgt Ion: 128 Resp: 7171796
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 11.3 8.8 13.2

