

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004210.D
 Acq On : 22 Aug 2018 20:23
 Operator : JC/MD
 Sample : J4579-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0548

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:46 AM

Quant Time: Aug 23 09:37:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	328428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	510584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	455852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289719	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	209665	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.50	113	181579	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	731335	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.14	95	265364	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	878881	146.44	ug/l	98
39) Methylcyclohexane	7.46	83	1170562	178.61	ug/l	98
67) Ethyl Benzene	10.26	91	3772315	203.03	ug/l	96
68) m/p-Xylenes	10.36	106	3412132	469.66	ug/l	97
69) o-Xylene	10.70	106	1664960	242.27	ug/l	99
73) Isopropylbenzene	11.02	105	538842	28.32	ug/l	100
78) n-propylbenzene	11.36	91	913541	41.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1467847	93.15	ug/l	99
83) tert-Butylbenzene	11.77	119	25678	1.62	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	3710170	229.37	ug/l	98
85) sec-Butylbenzene	11.95	105	115817	6.15	ug/l	98
86) p-Isopropyltoluene	12.07	119	113490	6.73	ug/l	99
89) n-Butylbenzene	12.38	91	154629	11.27	ug/l #	26
95) Naphthalene	13.83	128	1617070	85.55	ug/l	99

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

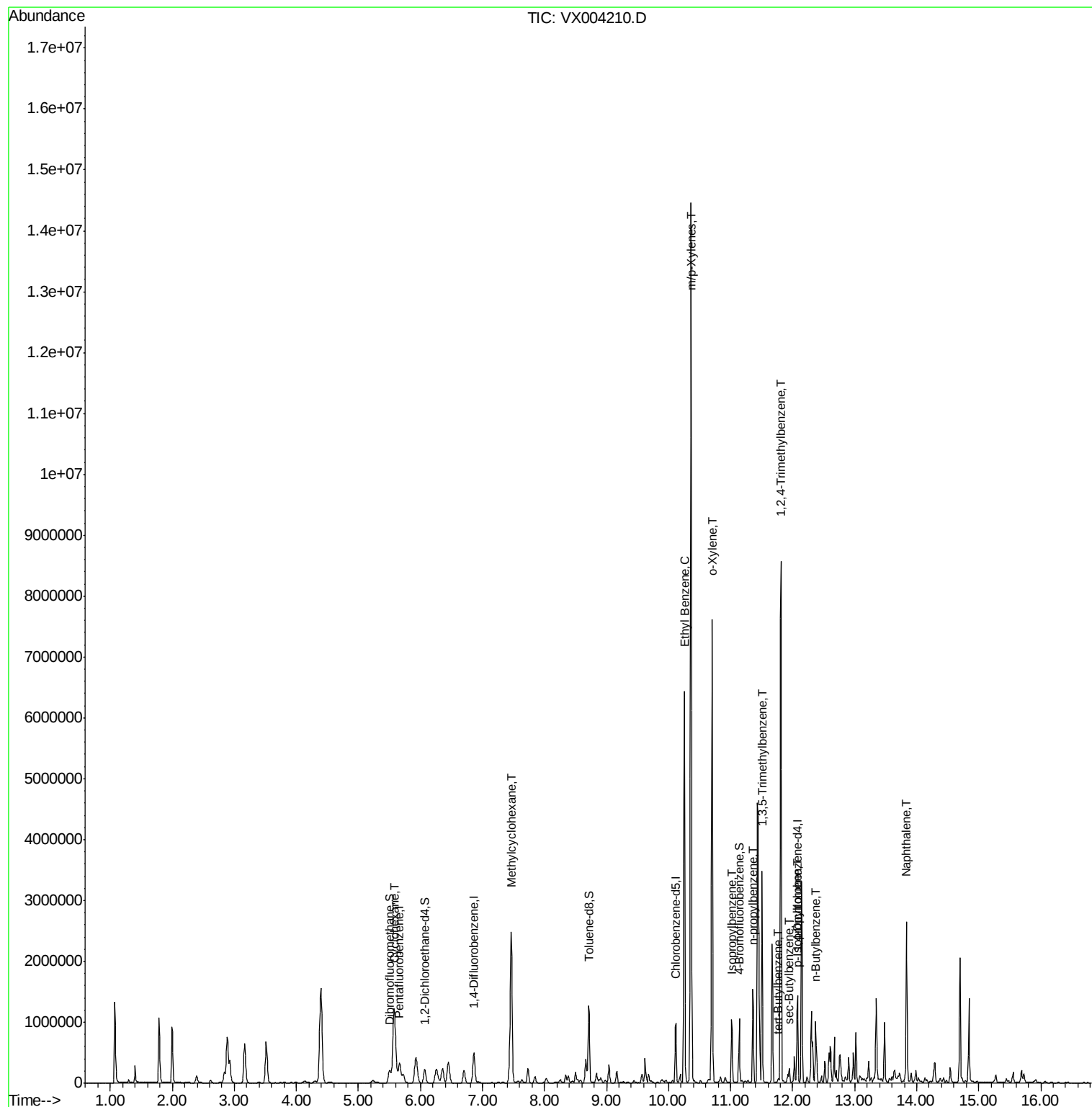
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082218\
Data File : VX004210.D
Acq On : 22 Aug 2018 20:23
Operator : JC/MD
Sample : J4579-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

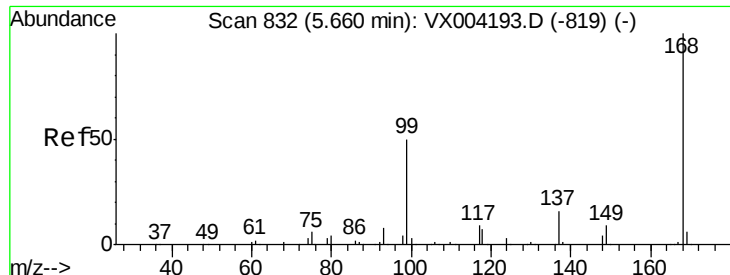
Instrument :
MSVOA_X
ClientSampleId :
FL-0548

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Quant Time: Aug 23 09:37:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

ClientSampled :

FL-0548

Tot Ion:168 Resp: 328428

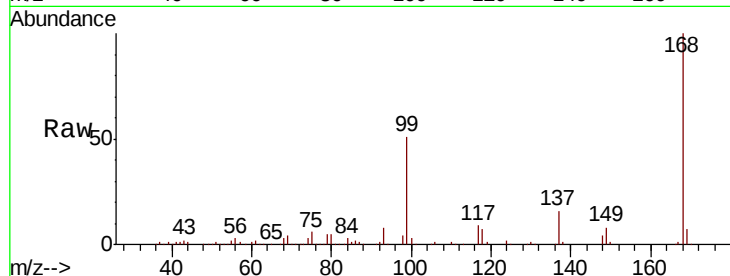
Ion Ratio Lower Upper

168 100

99 50.8 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

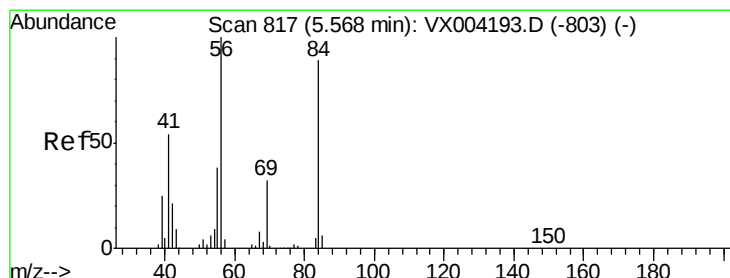
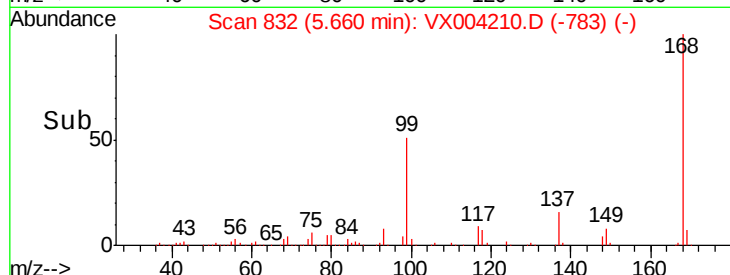
5.66

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 146.44 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

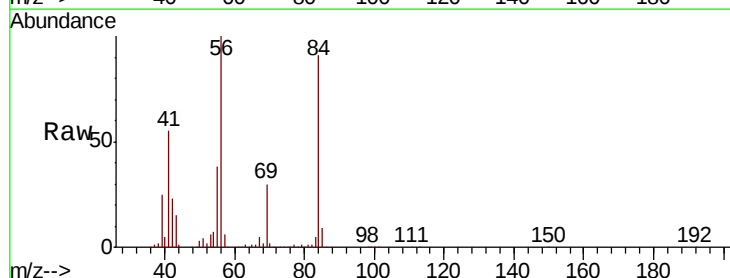
Tgt Ion: 56 Resp: 878881

Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.2

84 90.9 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.57

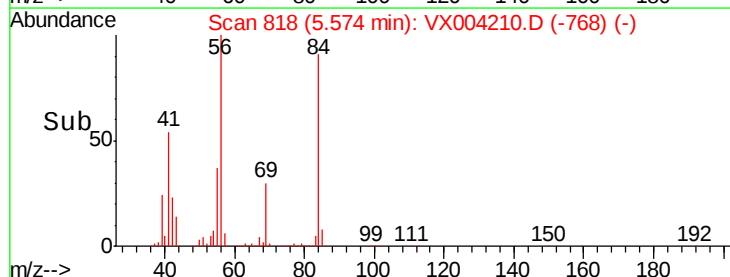
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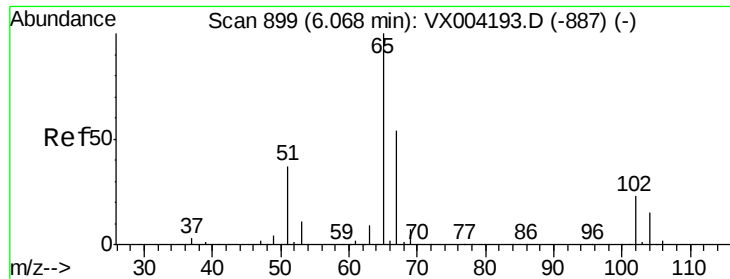
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100000

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Time-->





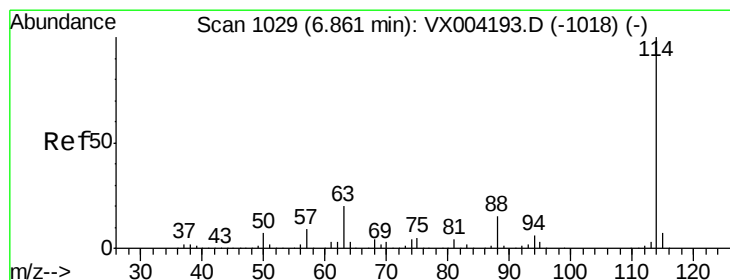
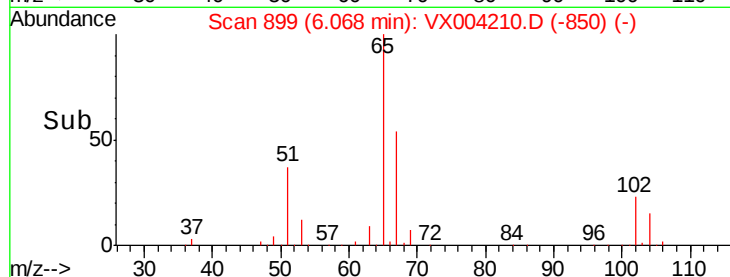
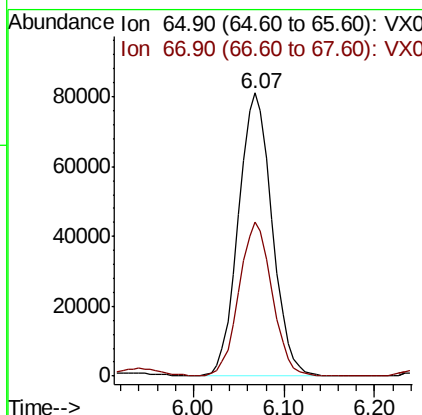
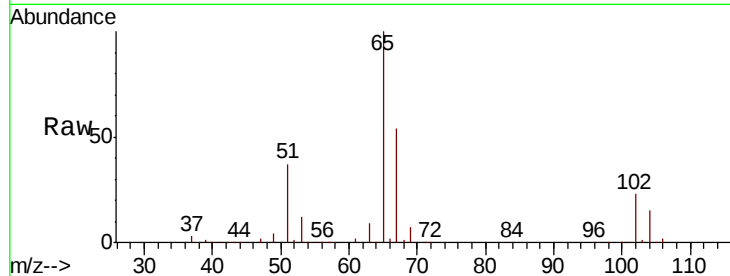
#33
 1,2-Dichloroethane-d4
 Concen: 48.98 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004210.D
 Acq: 22 Aug 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0548

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209665		
67	53.1	0.0	106.8	

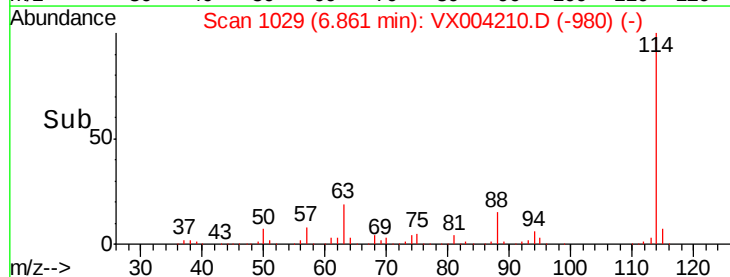
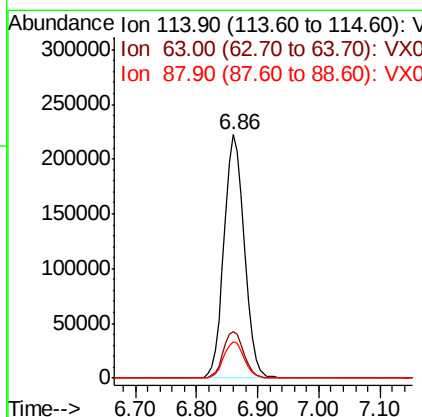
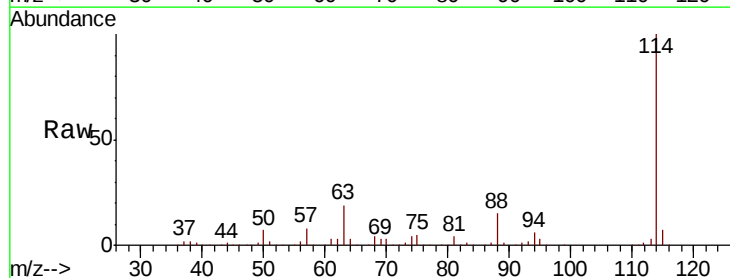
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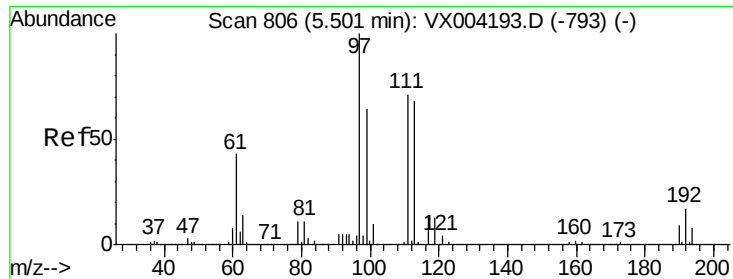
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004210.D
 Acq: 22 Aug 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	510584		
63	19.3	0.0	39.0	
88	15.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.80 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

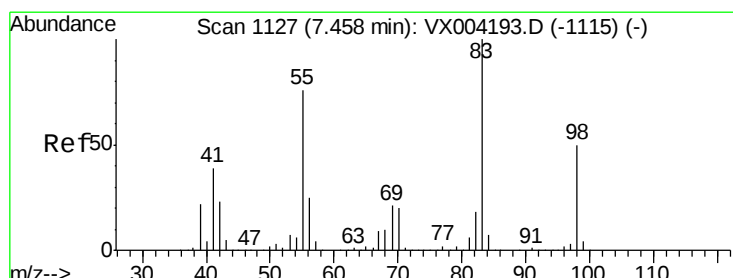
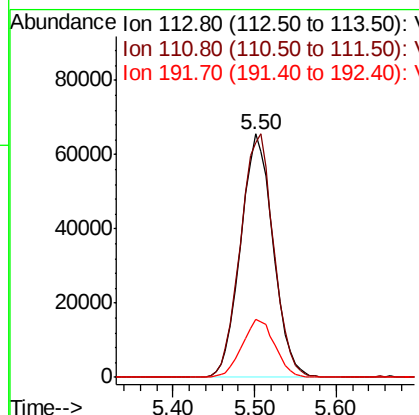
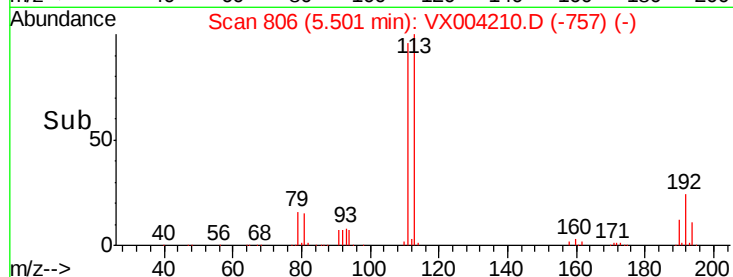
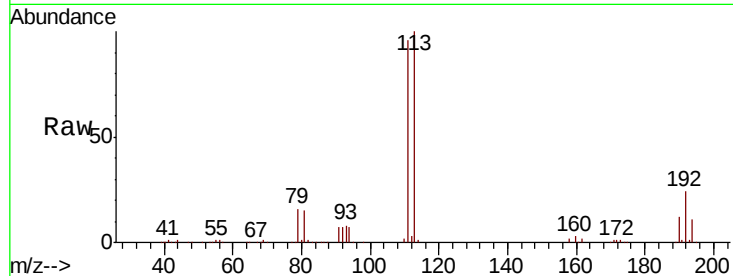
ClientSampled :

FL-0548

Tot Ion:	113	Resp:	181579
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.4	123.6
192	24.1	19.4	29.2

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#39

Methylcyclohexane

Concen: 178.61 ug/l

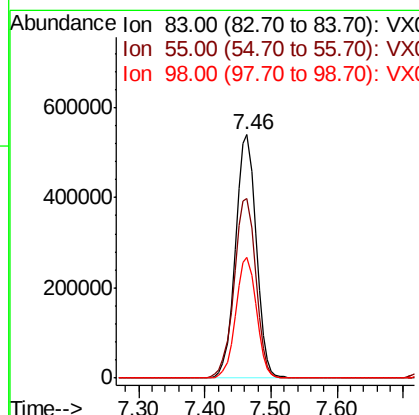
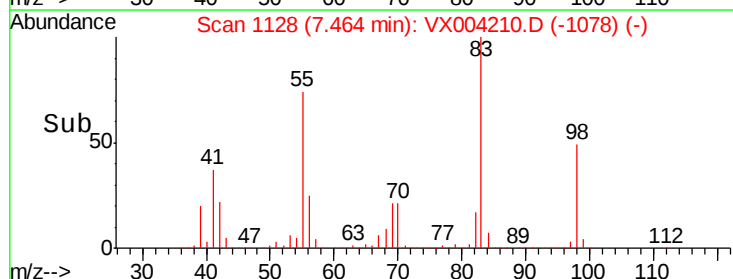
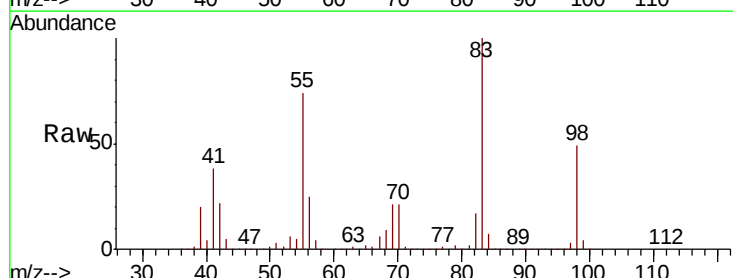
RT: 7.46 min Scan# 1128

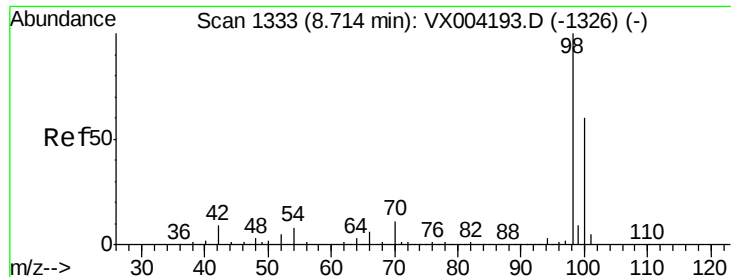
Delta R.T. 0.01 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Tgt Ion:	83	Resp:	1170562
Ion Ratio	Lower	Upper	
83	100		
55	74.0	61.0	91.4
98	49.3	39.6	59.4





#50

Toluene-d8

Concen: 51.01 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

ClientSampled :

FL-0548

Tot Ion: 98 Resp: 731335

Ion Ratio Lower Upper

98 100

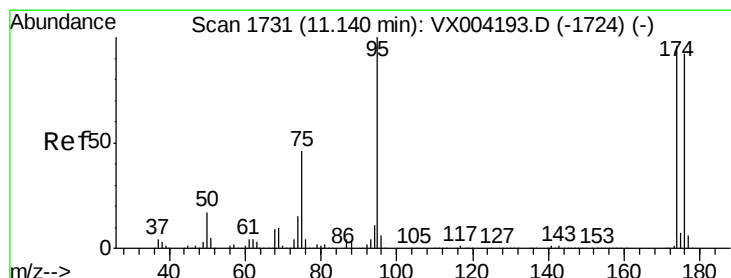
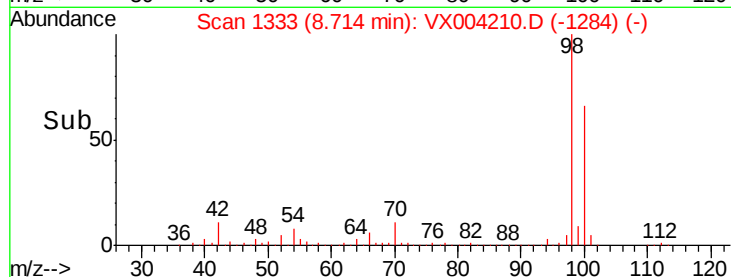
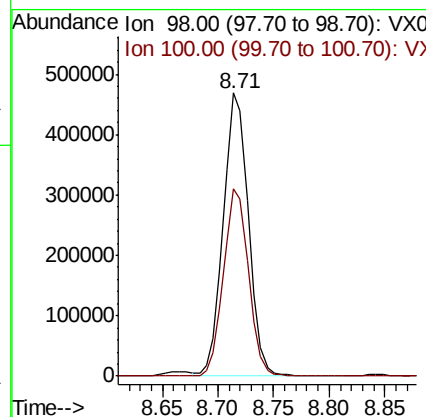
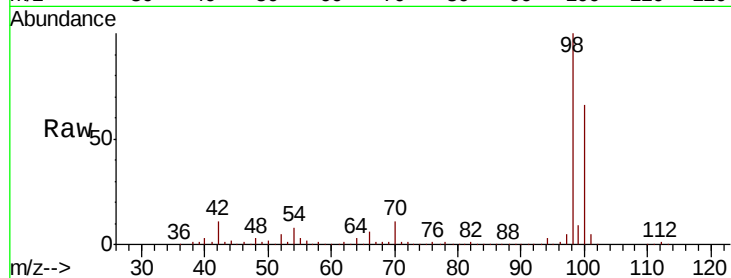
100 66.3 52.9 79.3

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#62

4-Bromofluorobenzene

Concen: 49.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

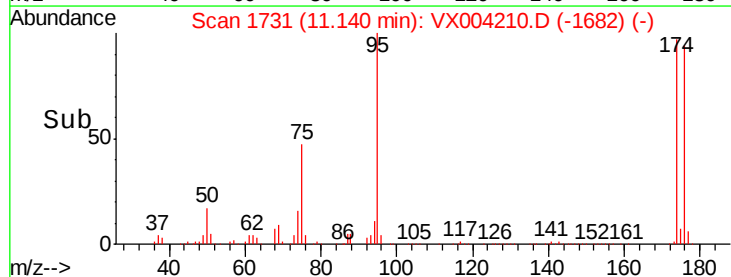
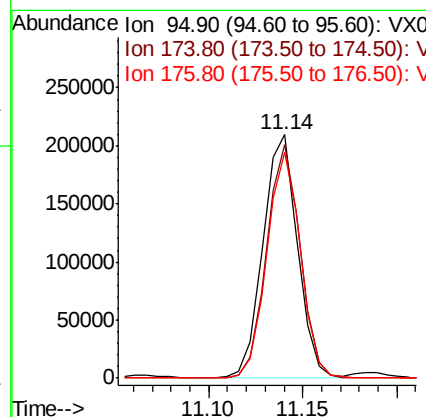
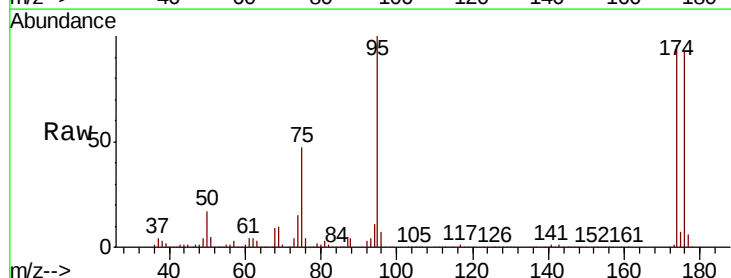
Tgt Ion: 95 Resp: 265364

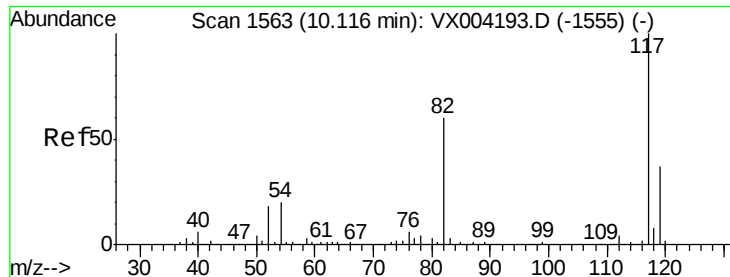
Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.2

176 90.4 0.0 178.6





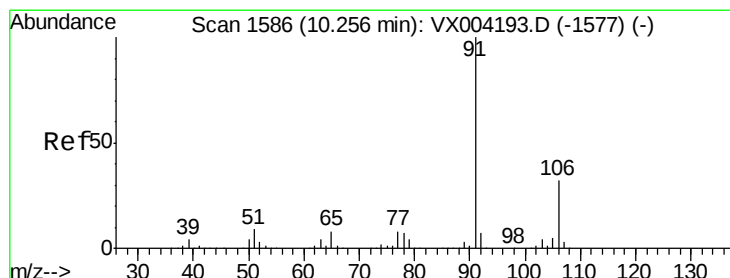
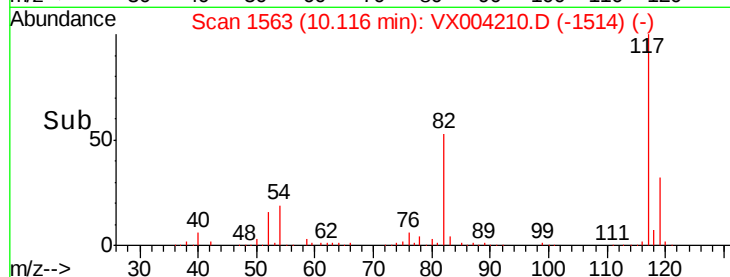
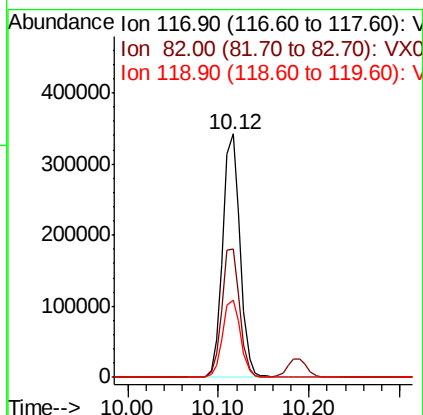
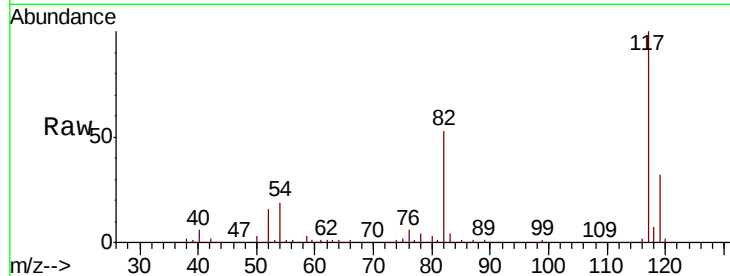
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004210.D
Acq: 22 Aug 2018 20:23

Instrument :
MSVOA_X
ClientSampled :
FL-0548

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	47.8	71.6
119	31.9	29.3	43.9

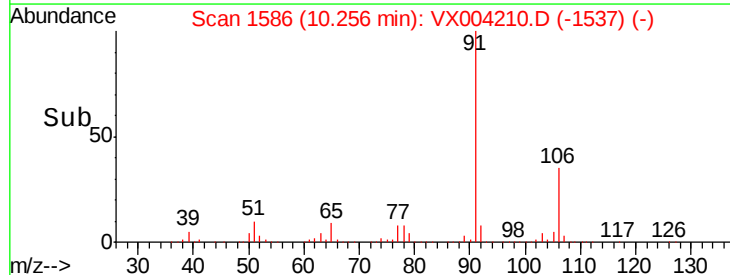
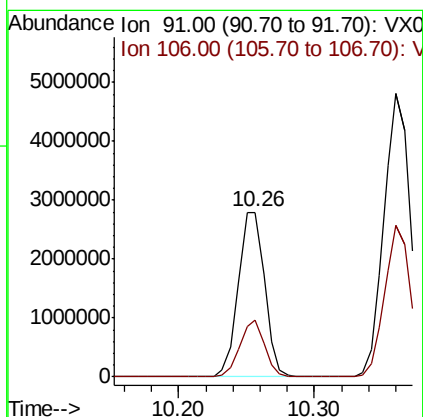
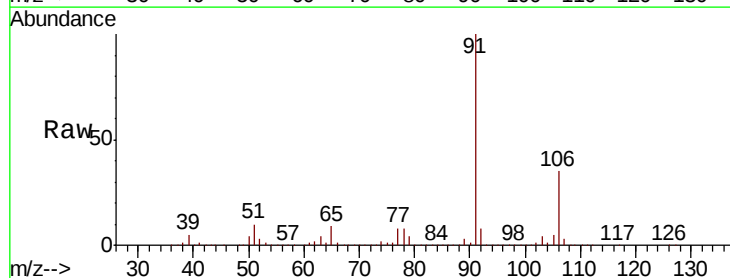
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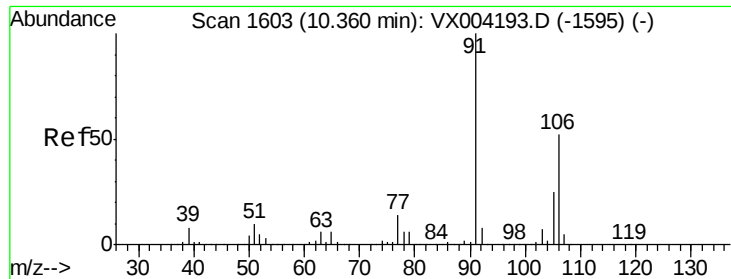
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#67
Ethyl Benzene
Concen: 203.03 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX004210.D
Acq: 22 Aug 2018 20:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.6	25.9	38.9





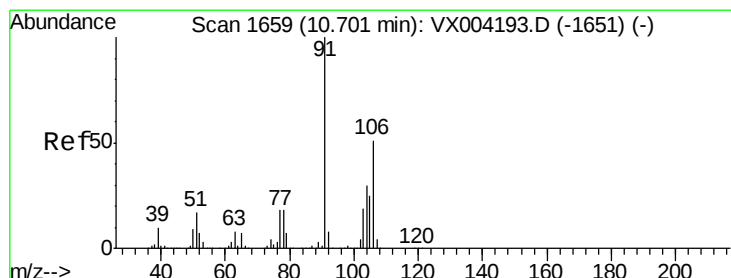
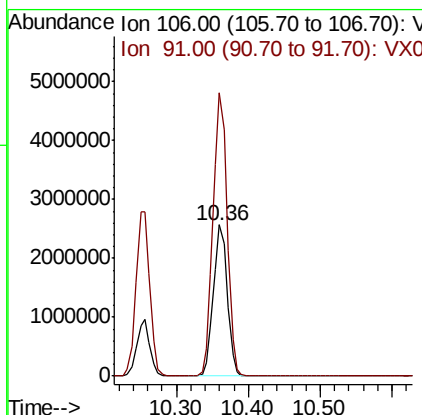
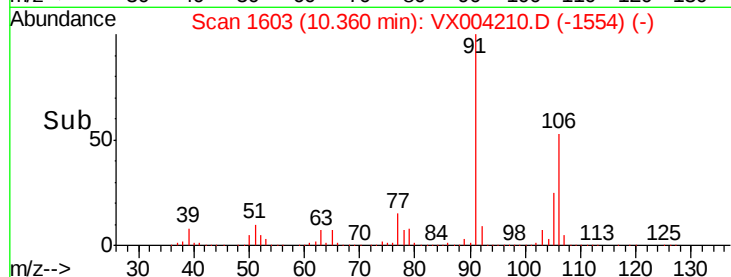
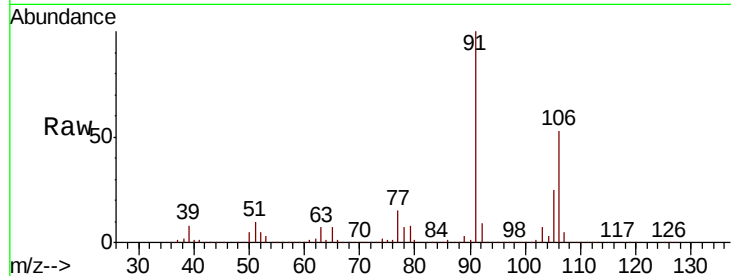
#68
m/p-Xvlenes
Concen: 469.66 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004210.D
Acq: 22 Aug 2018 20:23

Instrument :
MSVOA_X
ClientSampled :
FL-0548

Tot Ion:106 Resp: 3412132
Ion Ratio Lower Upper
106 100
91 191.2 157.1 235.7

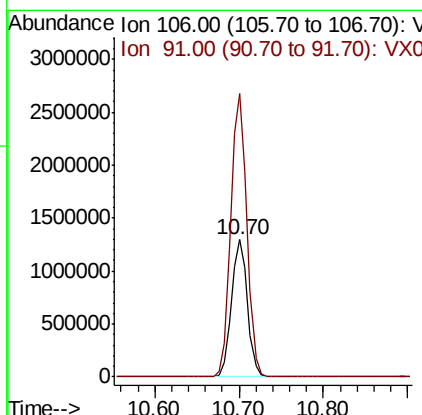
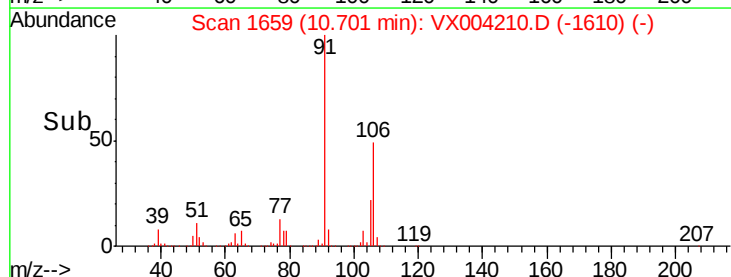
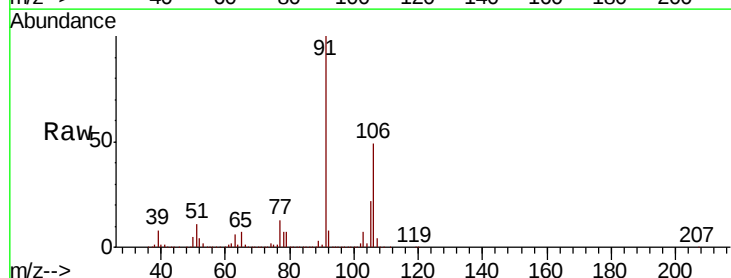
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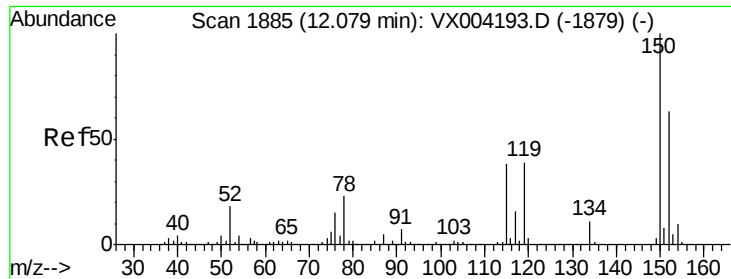
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#69
o-Xylene
Concen: 242.27 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004210.D
Acq: 22 Aug 2018 20:23

Tgt Ion:106 Resp: 1664960
Ion Ratio Lower Upper
106 100
91 209.2 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

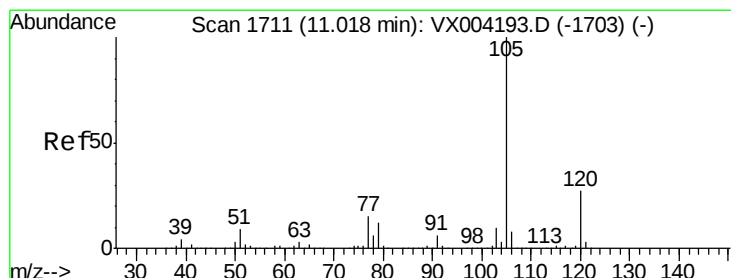
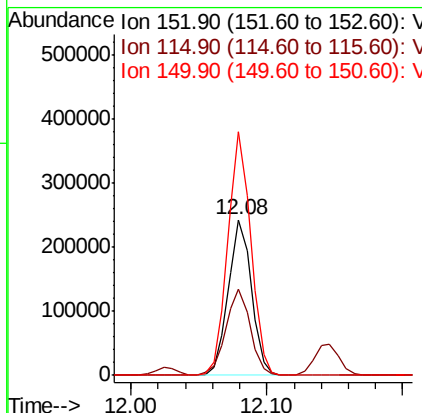
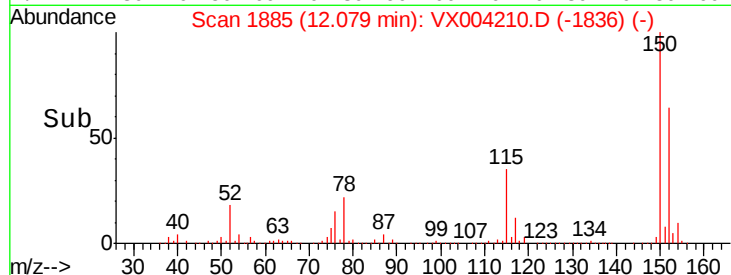
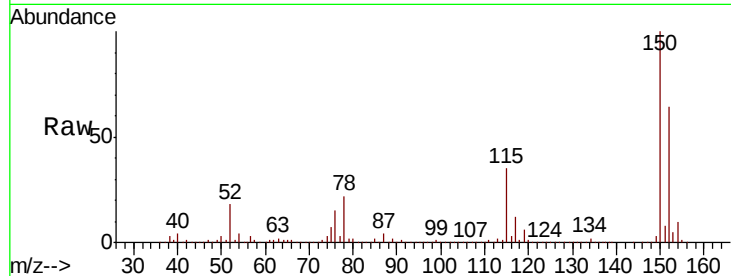
ClientSampled :

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Tot Ion:	152	Resp:	289719
Ion Ratio	Lower	Upper	
152	100		
115	57.5	39.0	117.0
150	154.8	0.0	351.0

Manual Integrations
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#73

Isopropylbenzene

Concen: 28.32 ug/l

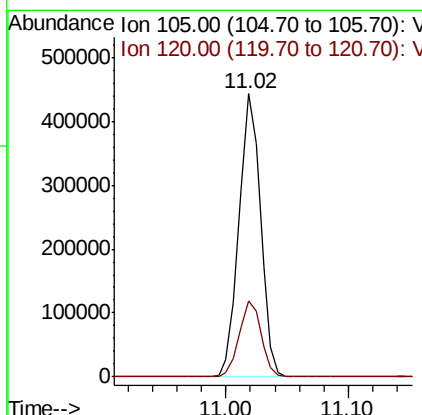
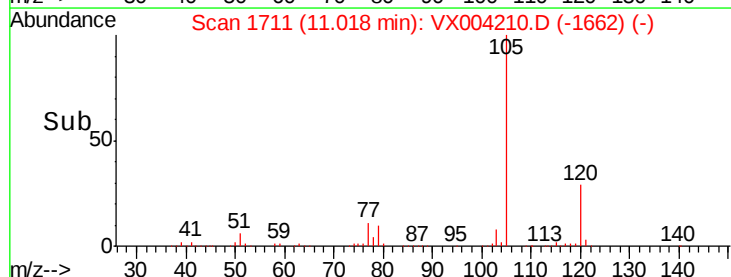
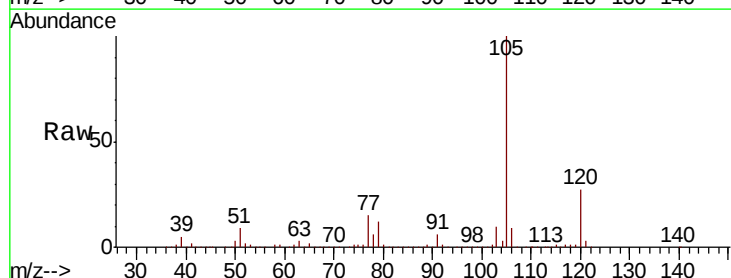
RT: 11.02 min Scan# 1711

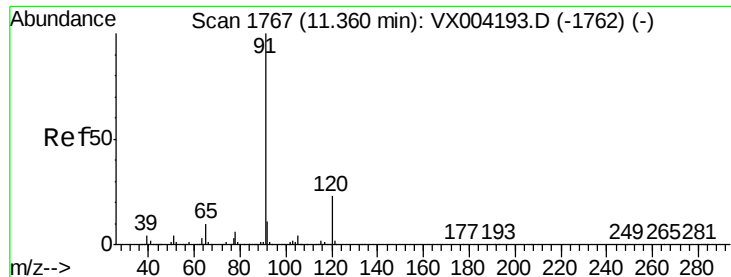
Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Tgt Ion:	105	Resp:	538842
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.4





#78

n-propylbenzene

Concen: 41.74 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

ClientSampled :

FL-0548

Tot Ion: 91 Resp: 913541

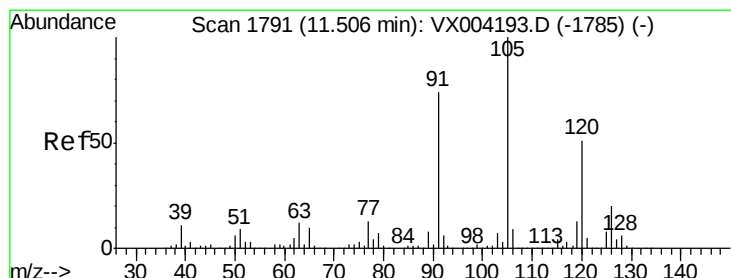
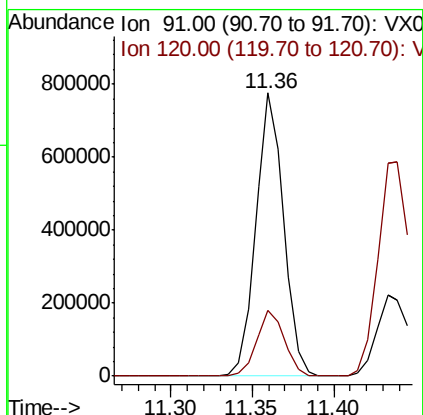
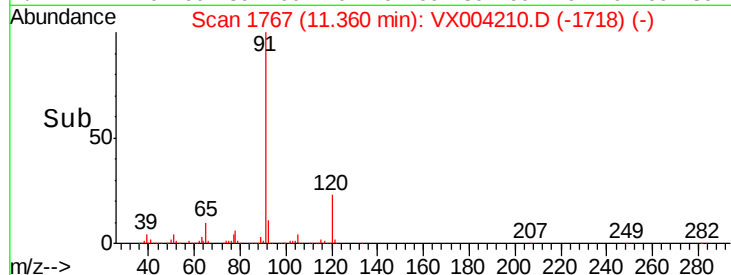
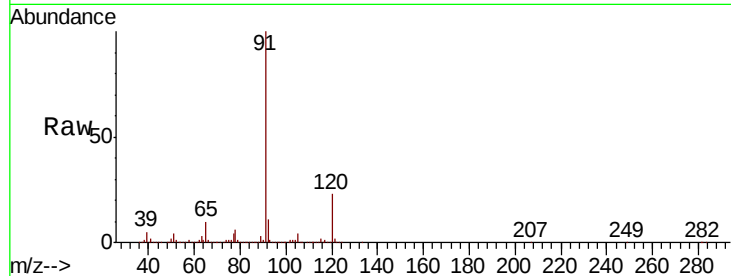
Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.9

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#80

1,3,5-Trimethylbenzene

Concen: 93.15 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004210.D

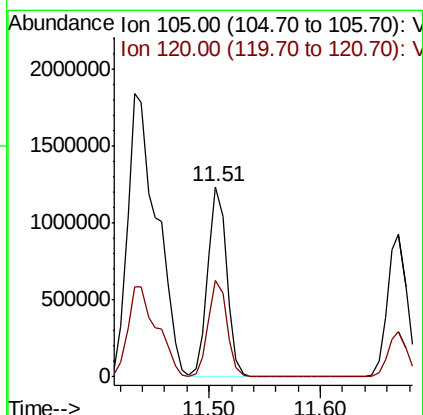
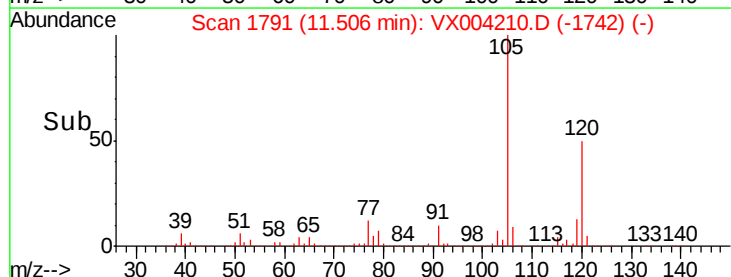
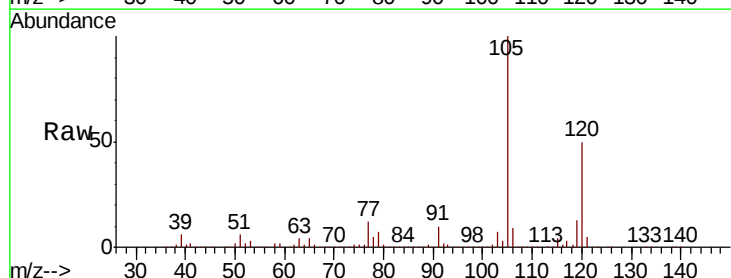
Acq: 22 Aug 2018 20:23

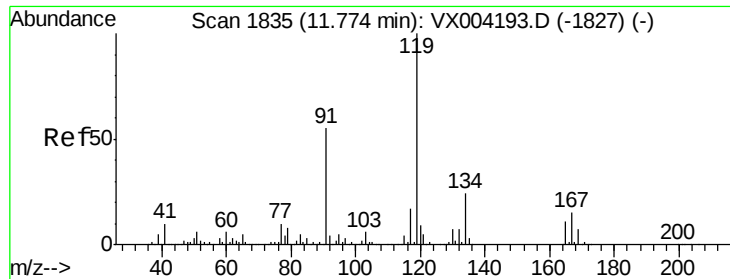
Tgt Ion: 105 Resp: 1467847

Ion Ratio Lower Upper

105 100

120 50.2 25.6 76.8





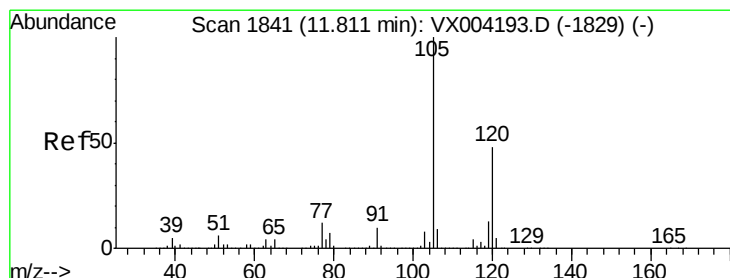
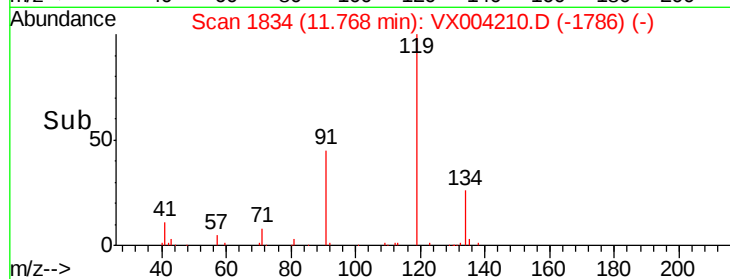
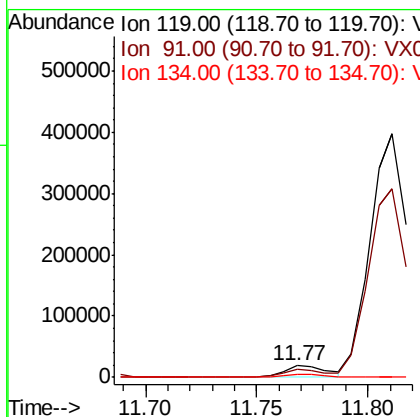
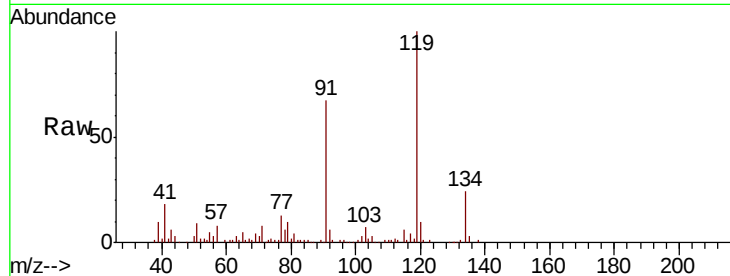
#83
 tert-Butylbenzene
 Concen: 1.62 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004210.D
 Acq: 22 Aug 2018 20:23

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0548

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	27.0	81.0
134	24.1	11.7	35.1

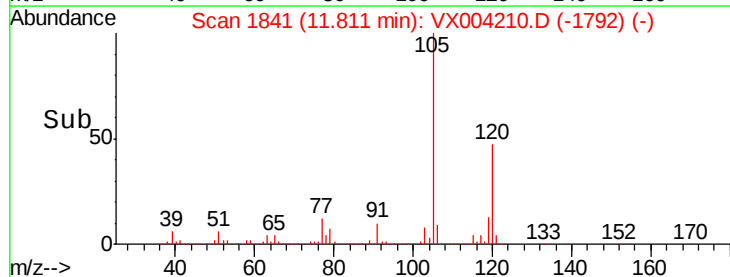
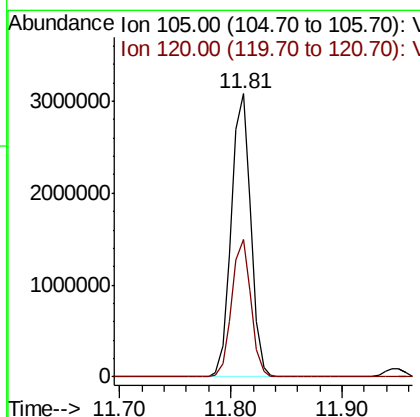
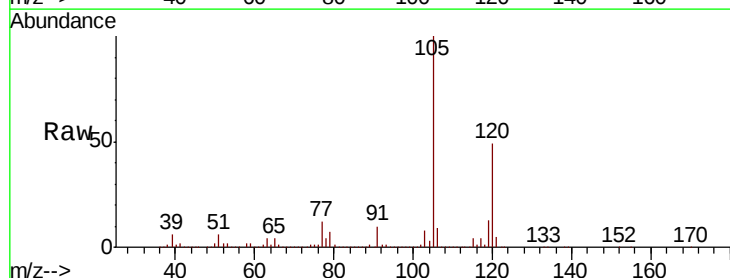
Manual Integrations
 APPROVED

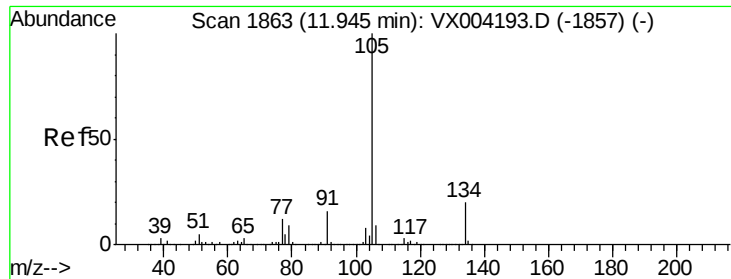
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#84
 1,2,4-Trimethylbenzene
 Concen: 229.37 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004210.D
 Acq: 22 Aug 2018 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 6.15 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

ClientSampled :

FL-0548

Tot Ion:105 Resp: 115817

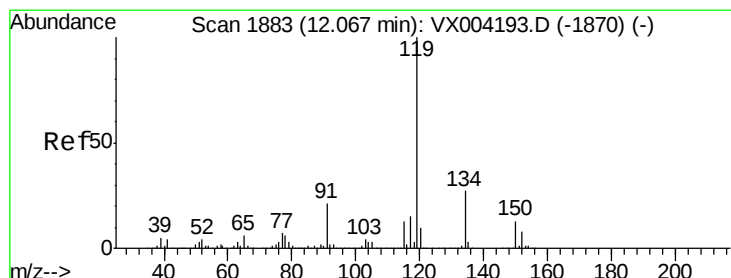
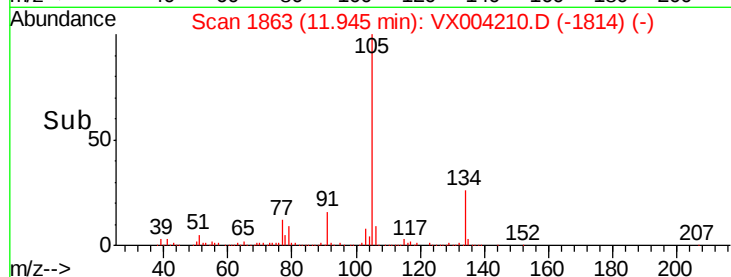
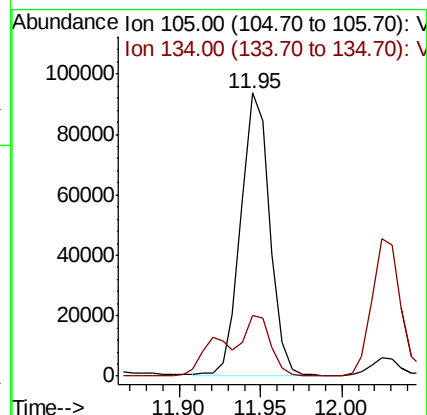
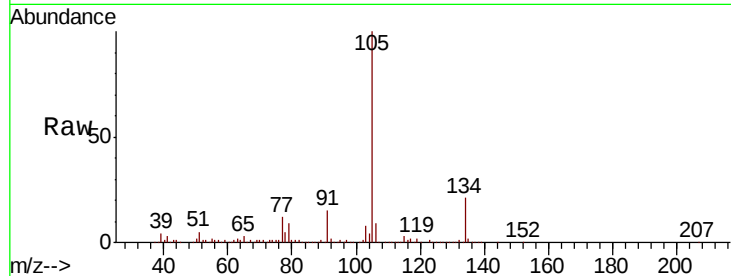
Ion Ratio Lower Upper

105 100

134 20.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 6.73 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

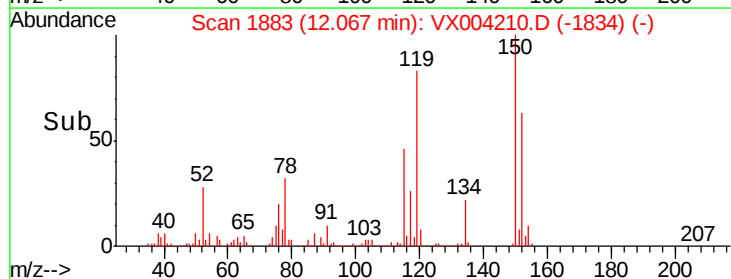
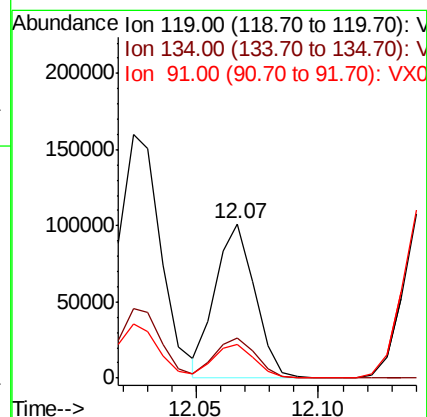
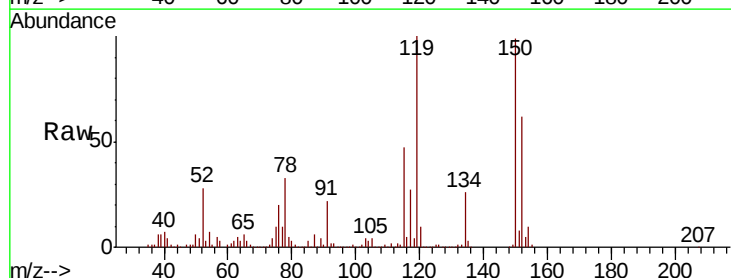
Tgt Ion:119 Resp: 113490

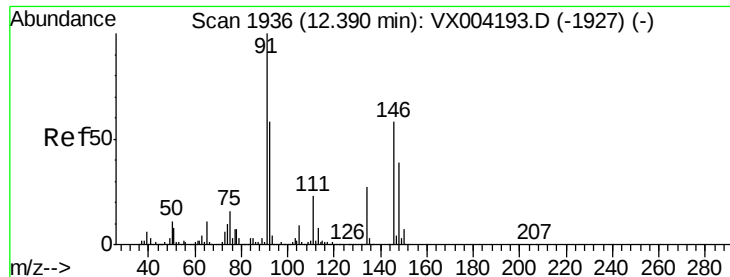
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.7 10.9 32.7





#89

n-Butylbenzene

Concen: 11.27 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Instrument :

MSVOA_X

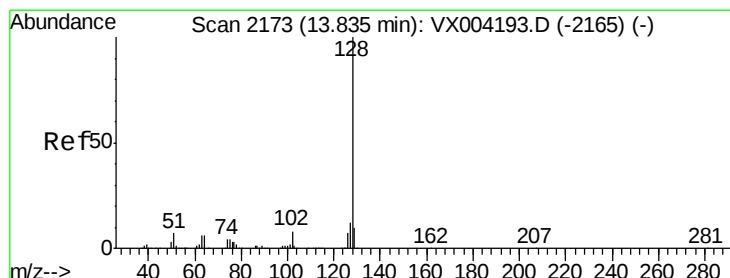
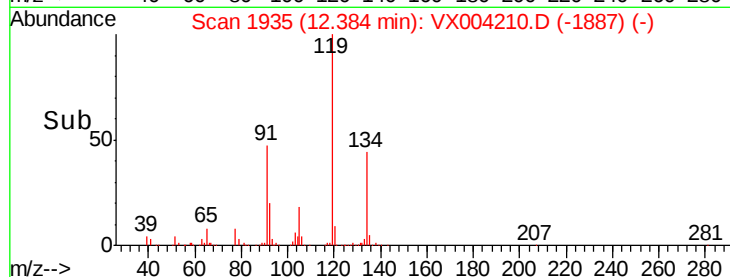
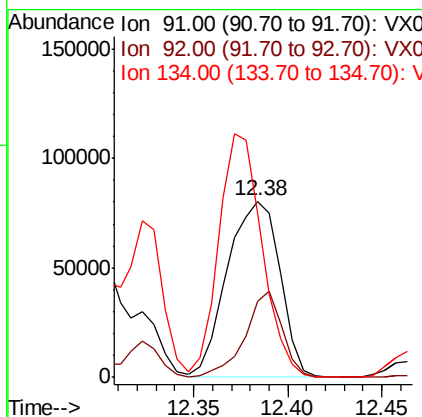
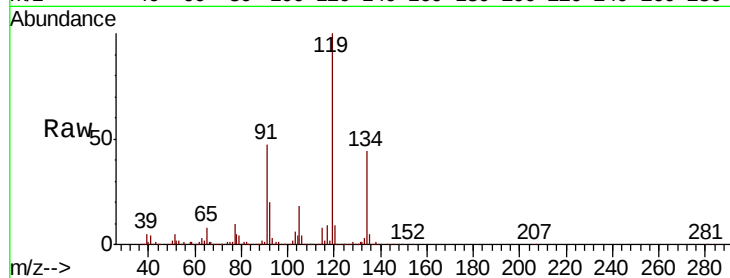
ClientSampled :

FL-0548

Tot Ion:	91	Resp:	154629
Ion Ratio	Lower	Upper	
91	100		
92	34.7	27.3	81.9
134	114.0	13.6	40.7#

Manual Integrations
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#95

Naphthalene

Concen: 85.55 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004210.D

Acq: 22 Aug 2018 20:23

Tgt Ion:	128	Resp:	1617070
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	11.1	8.6	12.8

