

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004208.D
 Acq On : 22 Aug 2018 19:30
 Operator : JC/MD
 Sample : J4579-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0545

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:38 AM

Quant Time: Aug 23 09:35:30 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	5.67	168	320673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	422801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	268665	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	206413	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.50	113	176509	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.71	98	695286	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.14	95	250481	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	1816251	309.95	ug/l	98
39) Methylcyclohexane	7.46	83	1453249	231.07	ug/l	98
40) Benzene	6.14	78	189126	11.49	ug/l	97
52) Toluene	8.79	92	1175776	114.12	ug/l	100
67) Ethyl Benzene	10.26	91	13148707	763.00	ug/l #	72
68) m/p-Xylenes	10.37	106	15156684	2249.30	ug/l #	53
69) o-Xylene	10.71	106	5879390	922.40	ug/l	83
73) Isopropylbenzene	11.02	105	1336118	75.72	ug/l	100
78) n-propylbenzene	11.36	91	2081537	102.56	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3434540	235.03	ug/l	100
83) tert-Butylbenzene	11.77	119	60537	4.12	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	8812433	587.49	ug/l	91
85) sec-Butylbenzene	11.94	105	206083m	11.81	ug/l	
86) p-Isopropyltoluene	12.07	119	170073	10.87	ug/l	99
89) n-Butylbenzene	12.38	91	278049	21.86	ug/l #	21
95) Naphthalene	13.83	128	5693664	324.83	ug/l	98

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

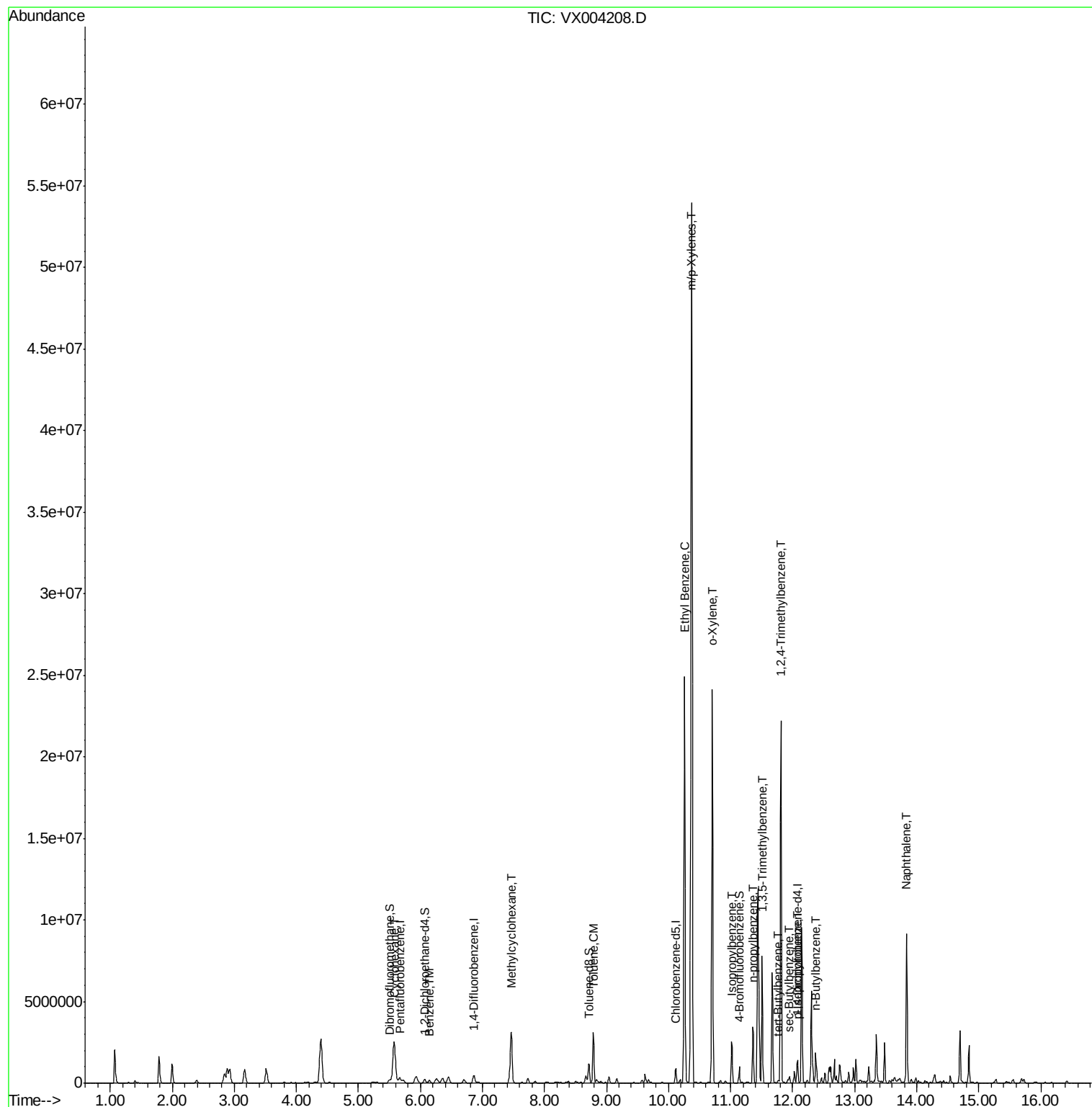
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082218\
Data File : VX004208.D
Acq On : 22 Aug 2018 19:30
Operator : JC/MD
Sample : J4579-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

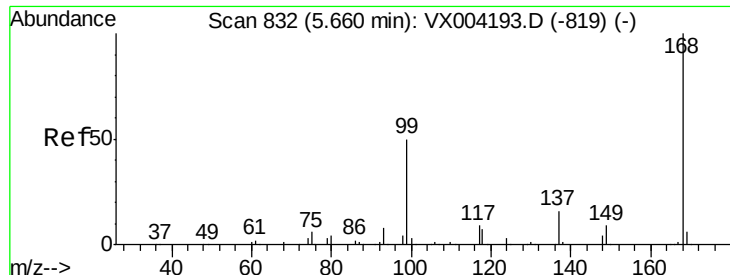
Instrument :
MSVOA_X
ClientSampleId :
FL-0545

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Quant Time: Aug 23 09:35:30 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





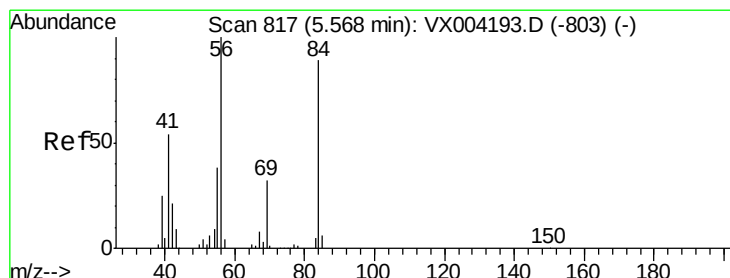
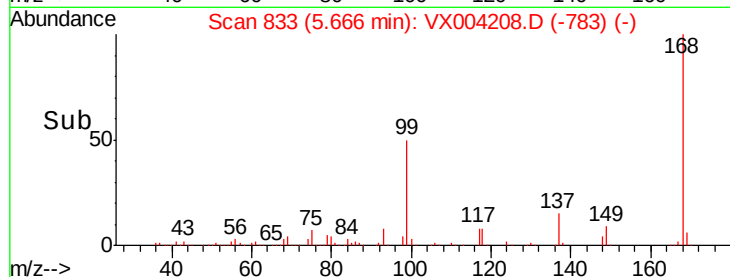
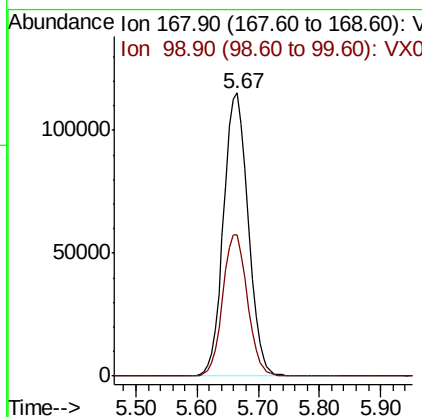
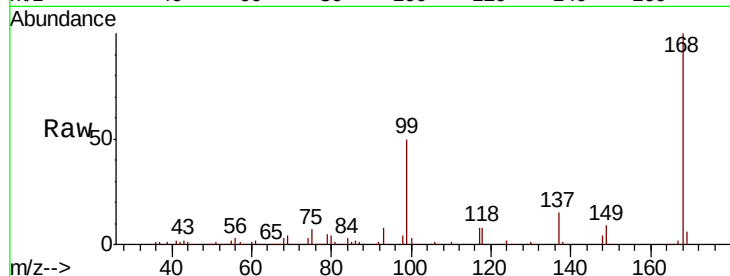
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Instrument :
MSVOA_X
ClientSampled :
FL-0545

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.8	39.9	59.9

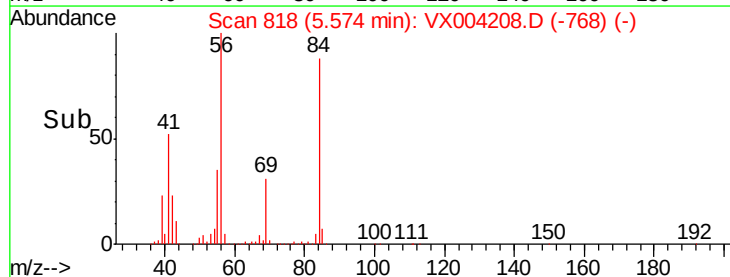
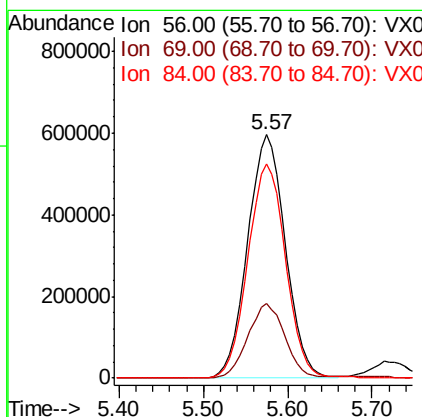
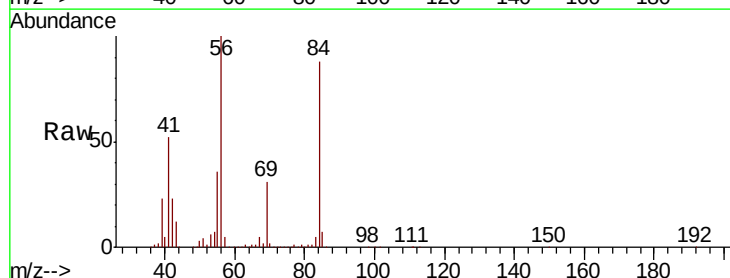
Manual Integrations
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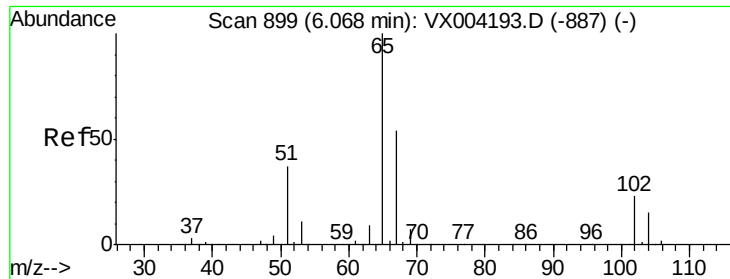
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#31
Cyclohexane
Concen: 309.95 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.4	38.2
84	88.2	71.4	107.2





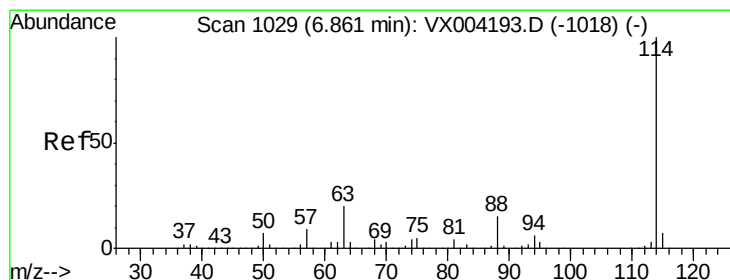
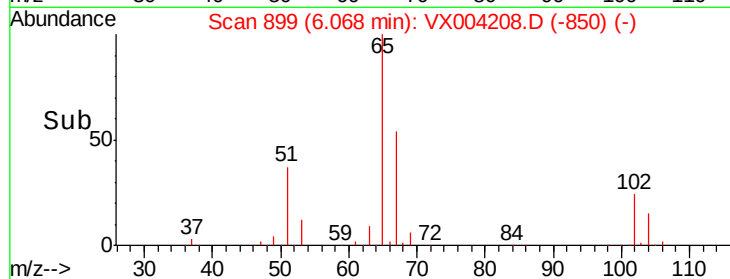
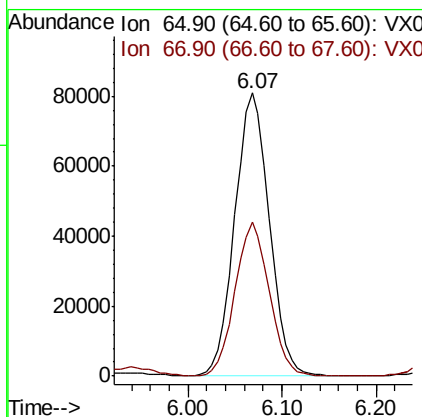
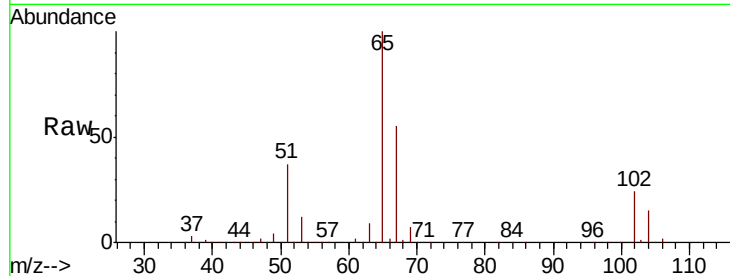
#33
 1,2-Dichloroethane-d4
 Concen: 49.39 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004208.D
 Acq: 22 Aug 2018 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0545

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206413		
67	53.5	0.0	106.8	

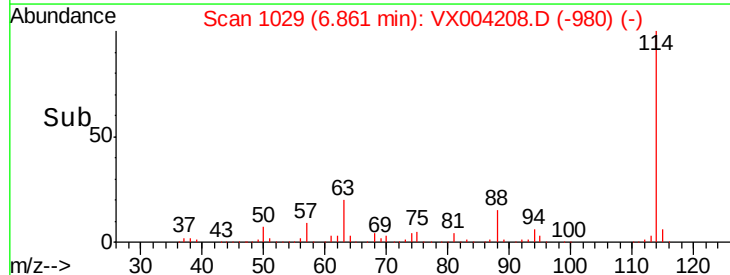
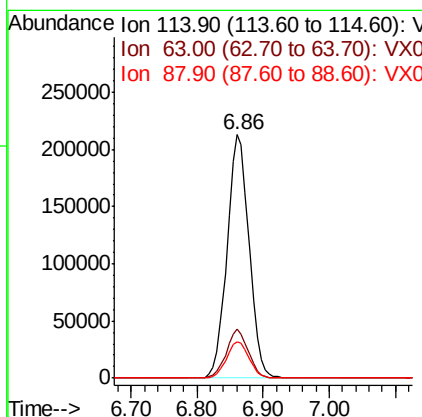
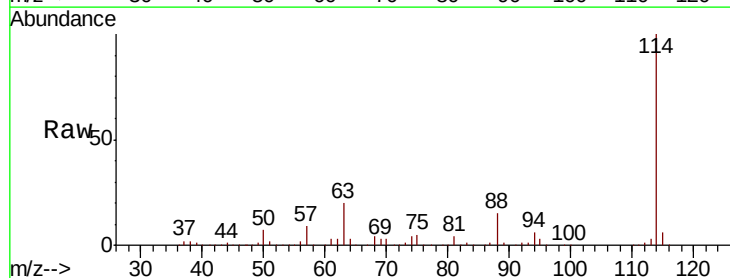
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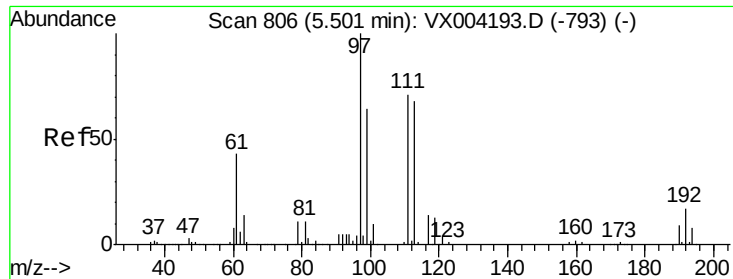
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004208.D
 Acq: 22 Aug 2018 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489983		
63	20.3	0.0	39.0	
88	15.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.42 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Instrument :

MSVOA_X

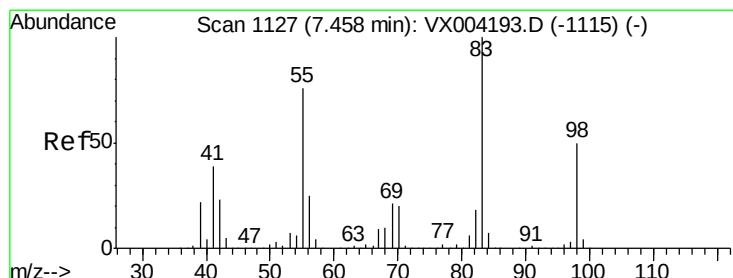
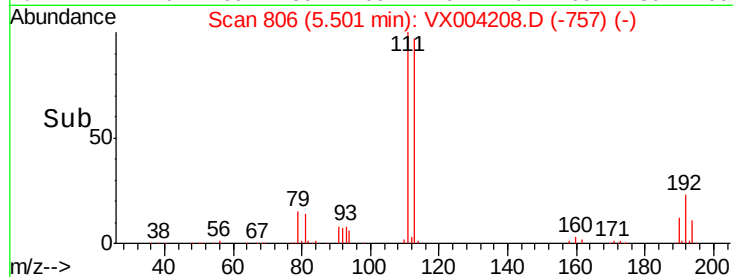
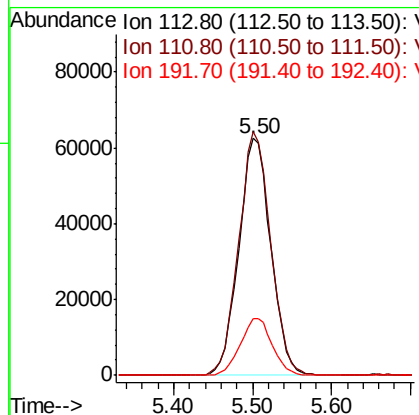
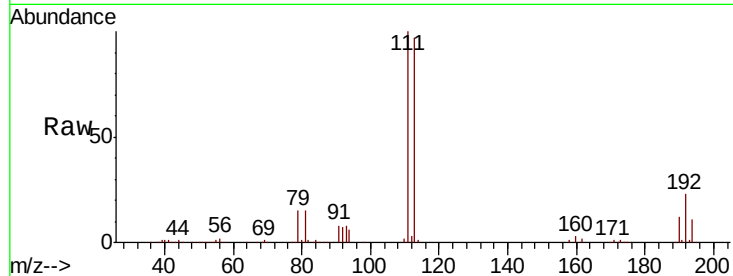
ClientSampleId :

FL-0545

Tot Ion:	113	Resp:	176509
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	24.0	19.4	29.2

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#39

Methylcyclohexane

Concen: 231.07 ug/l

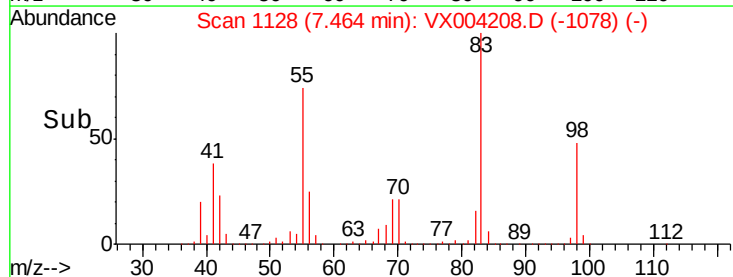
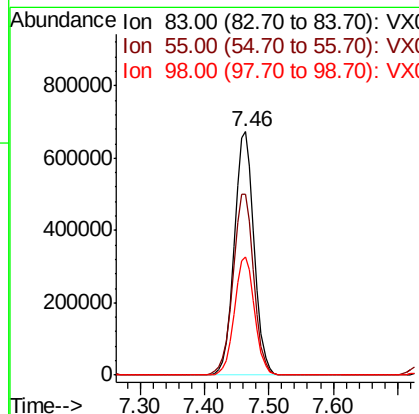
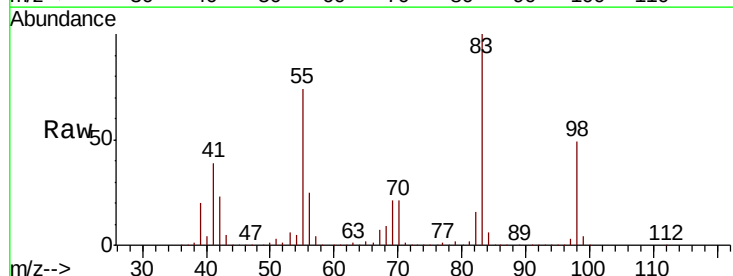
RT: 7.46 min Scan# 1128

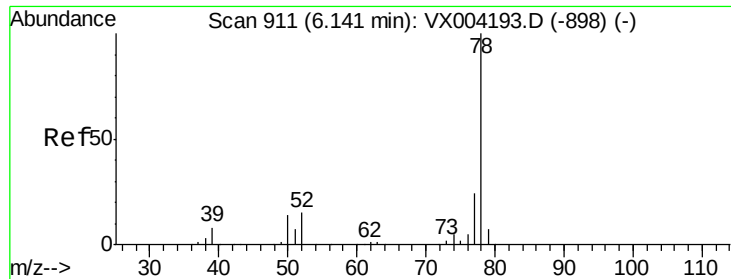
Delta R.T. 0.01 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Tgt Ion:	83	Resp:	1453249
Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.0	91.4
98	48.5	39.6	59.4





#40

Benzene

Concen: 11.49 ug/l

RT: 6.14 min Scan# 911

Delta R.T. 0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

FL-0545

Tot Ion: 78 Resp: 189126

Ion Ratio Lower Upper

78 100

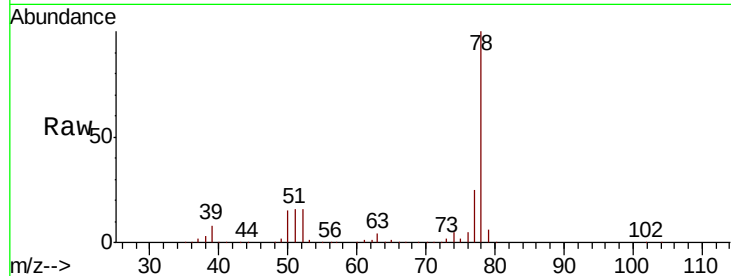
77 25.1 19.0 28.4

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

80000

60000

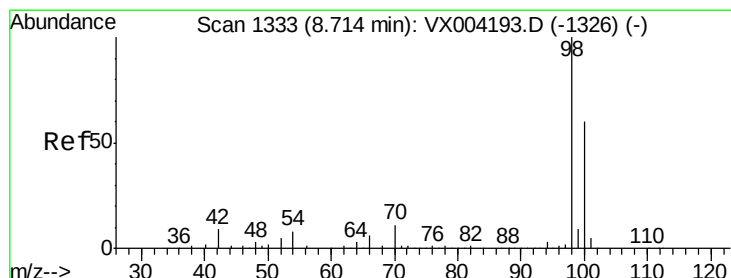
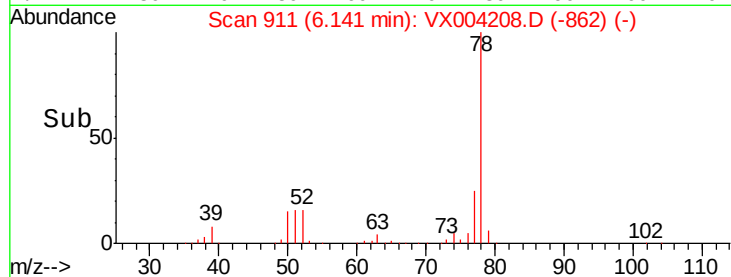
40000

20000

0

Time-->

6.00 6.10 6.20



#50

Toluene-d8

Concen: 50.53 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004208.D

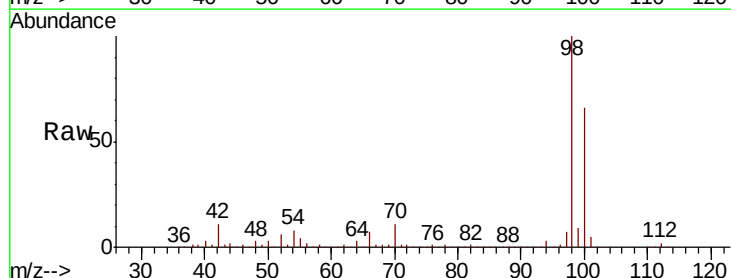
Acq: 22 Aug 2018 19:30

Tgt Ion: 98 Resp: 695286

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

500000

400000

300000

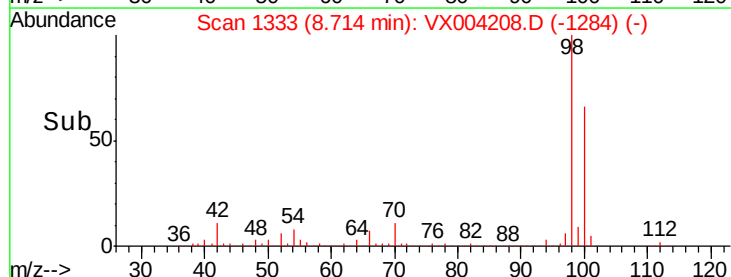
200000

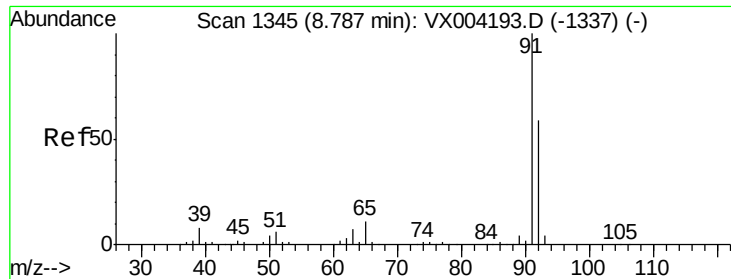
100000

0

Time-->

8.65 8.70 8.75 8.80 8.85





#52

Toluene

Concen: 114.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampled :

FL-0545

Tot Ion: 92 Resp: 1175776

Ion Ratio Lower Upper

92 100

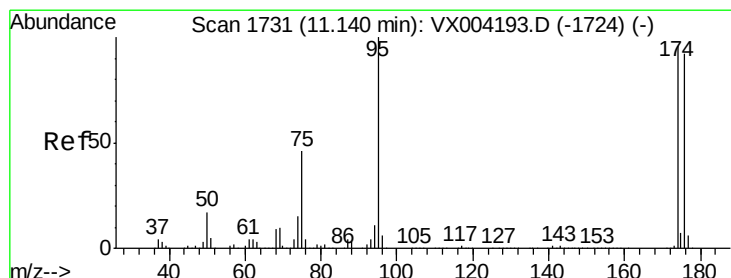
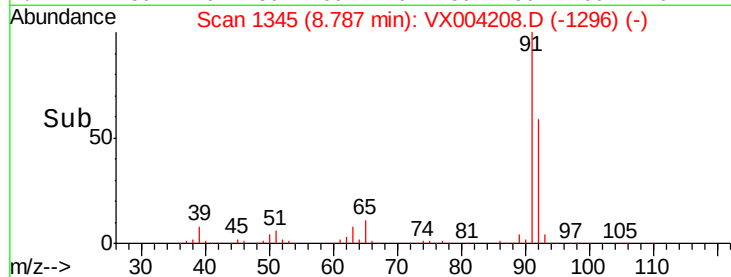
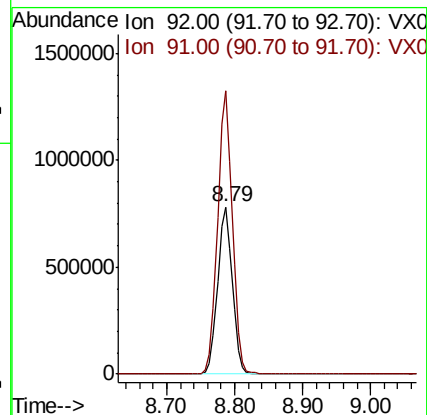
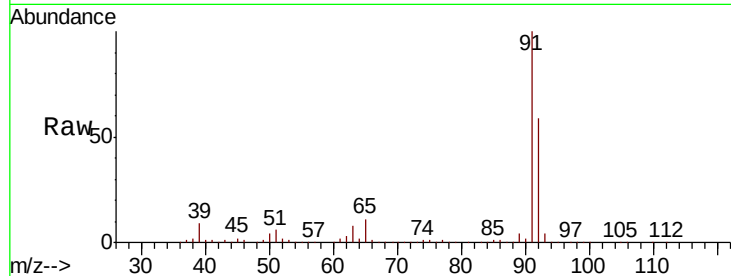
91 169.8 136.4 204.6

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#62

4-Bromofluorobenzene

Concen: 48.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

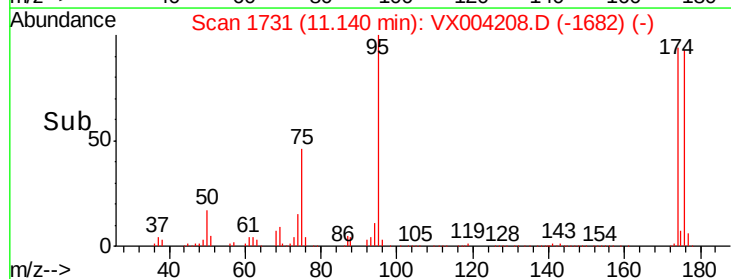
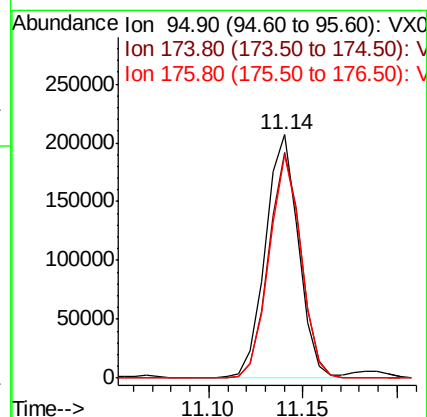
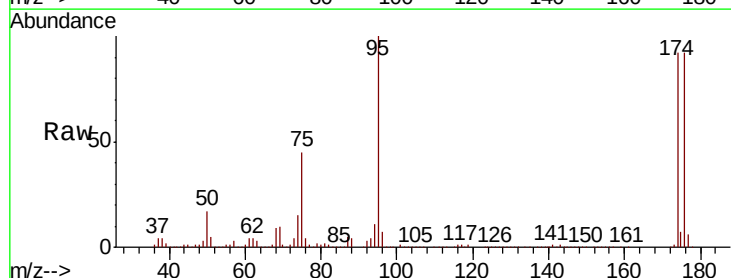
Tgt Ion: 95 Resp: 250481

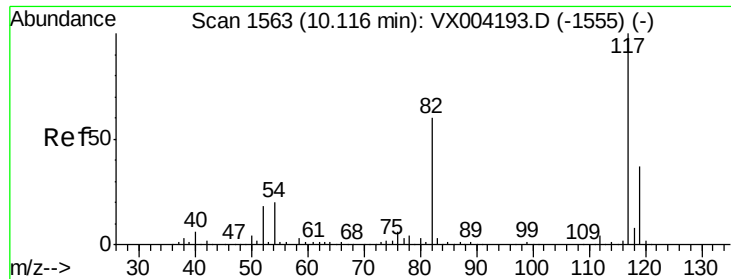
Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.2

176 89.2 0.0 178.6





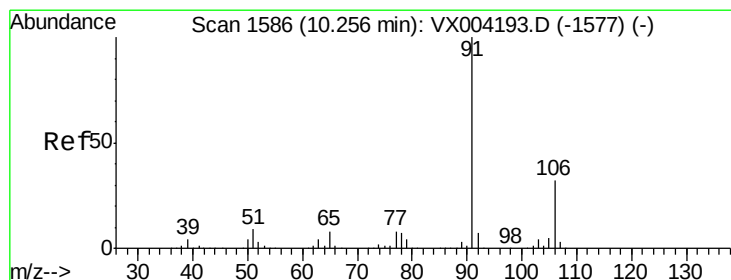
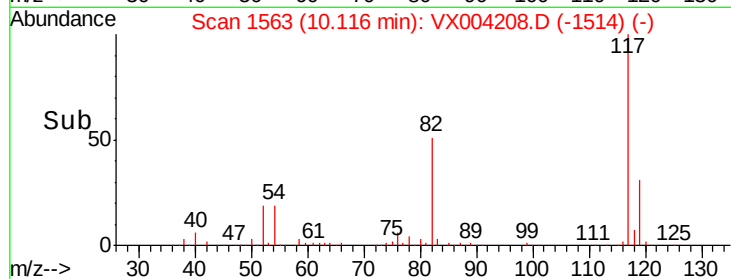
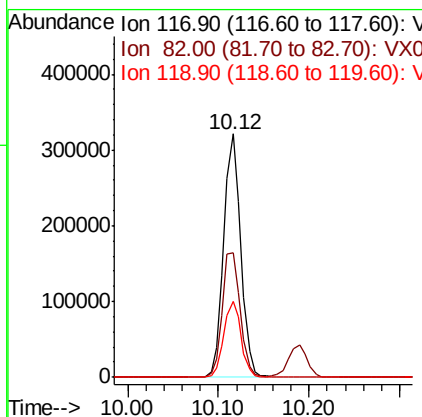
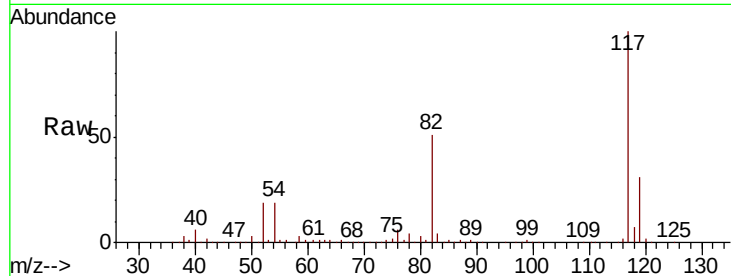
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Instrument :
MSVOA_X
ClientSampled :
FL-0545

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	47.8	71.6
119	31.1	29.3	43.9

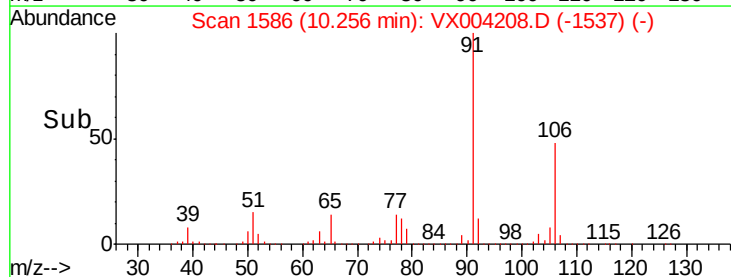
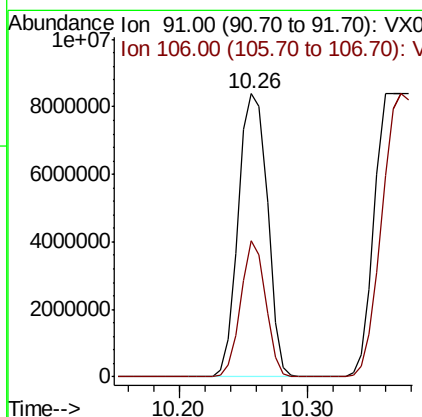
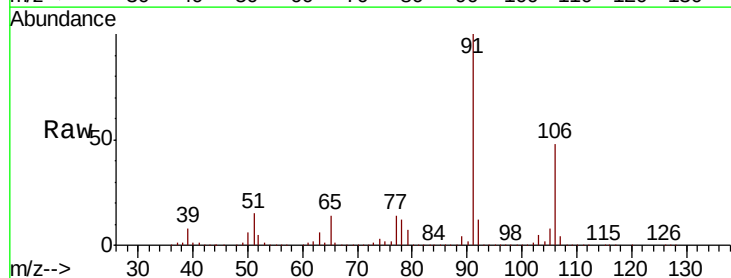
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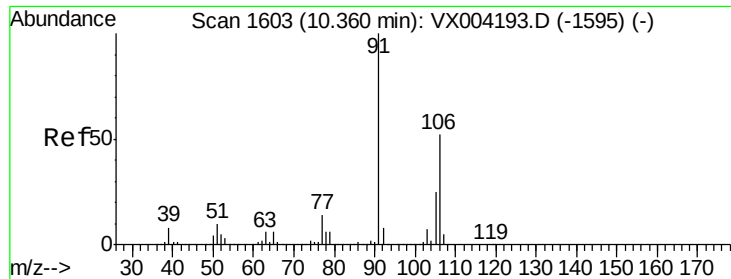
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#67
Ethyl Benzene
Concen: 763.00 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	48.0	25.9	38.9





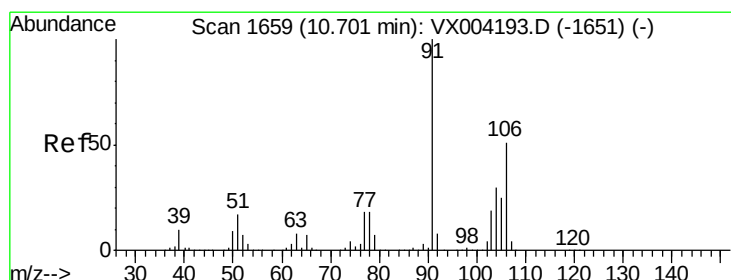
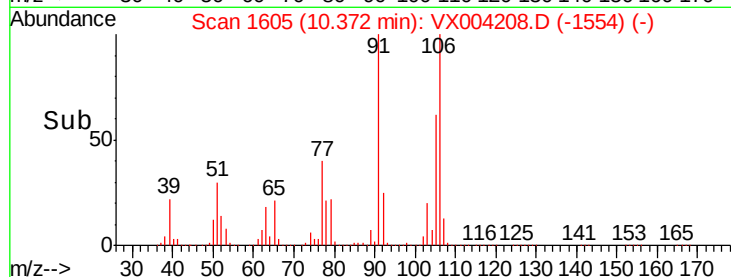
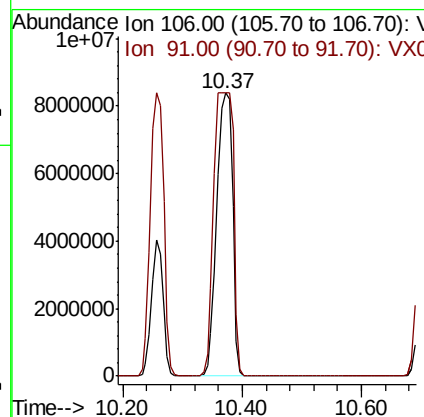
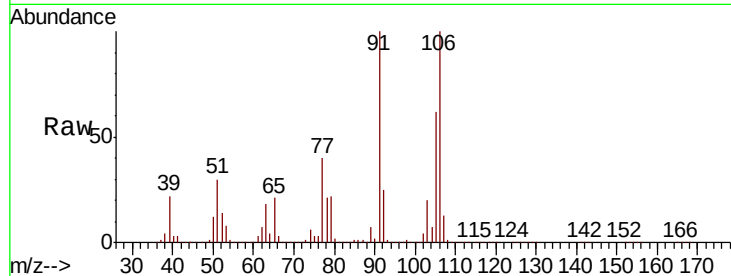
#68
m/p-Xylenes
Concen: 2249.30 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Instrument :
MSVOA_X
ClientSampleId :
FL-0545

Tot Ion:106 Resp:15156684
Ion Ratio Lower Upper
106 100
91 126.5 157.1 235.7#

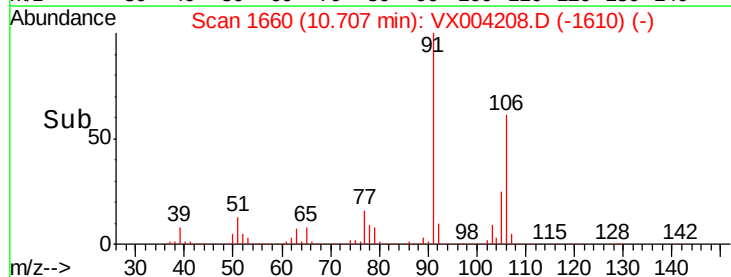
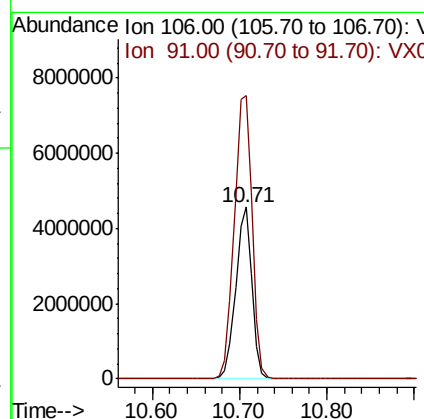
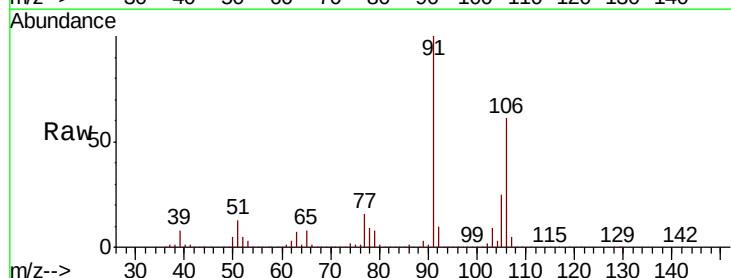
Manual Integrations
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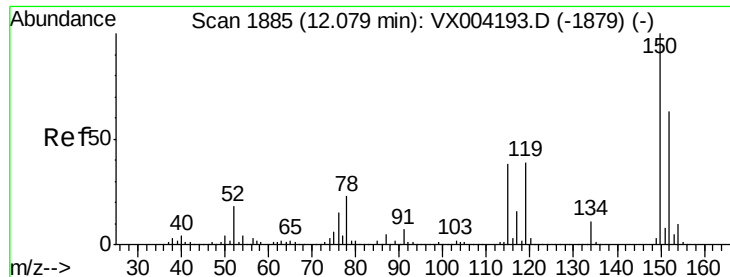
MMDadoda
8/23/2018 9:40:38 AM



#69
o-Xylene
Concen: 922.40 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Tgt Ion:106 Resp: 5879390
Ion Ratio Lower Upper
106 100
91 183.1 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampled :

FL-0545

Tot Ion:152 Resp: 268665

Ion Ratio Lower Upper

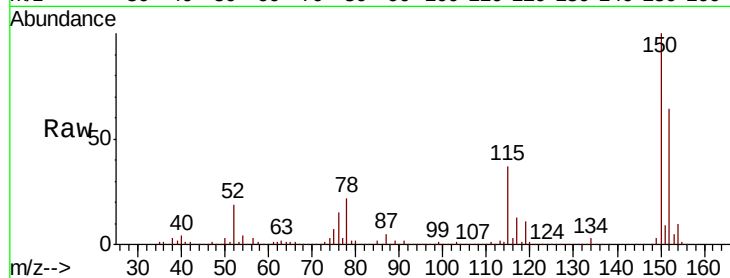
152 100

115 59.9 39.0 117.0

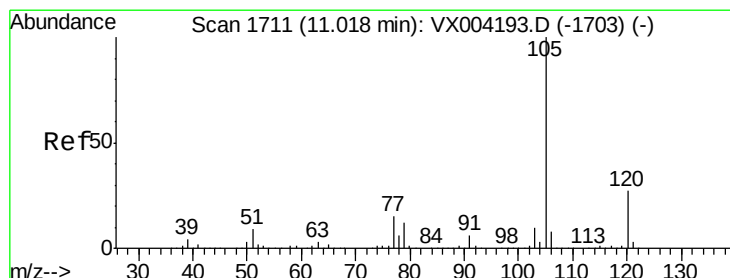
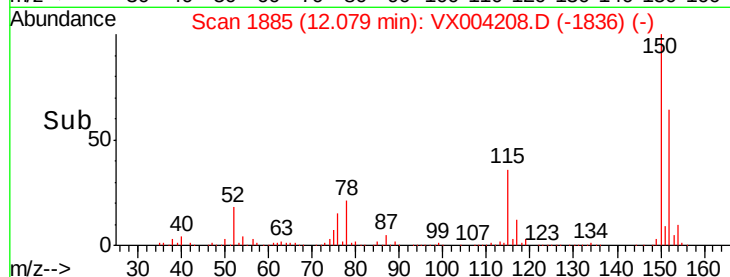
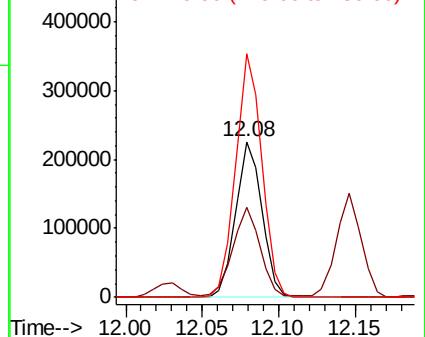
150 156.4 0.0 351.0

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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: 75.72 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004208.D

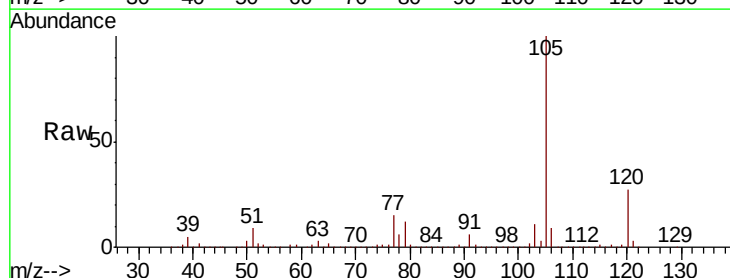
Acq: 22 Aug 2018 19:30

Tgt Ion:105 Resp: 1336118

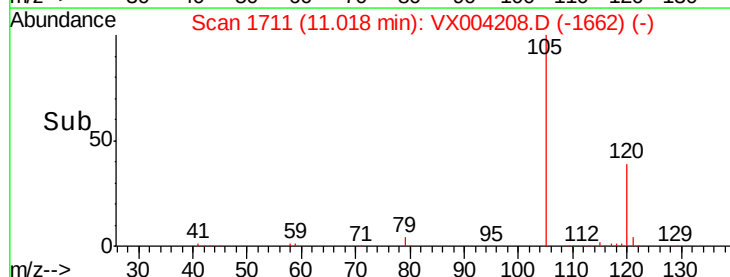
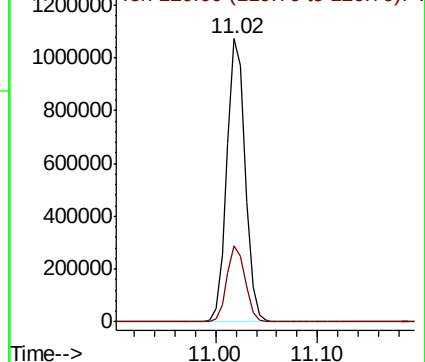
Ion Ratio Lower Upper

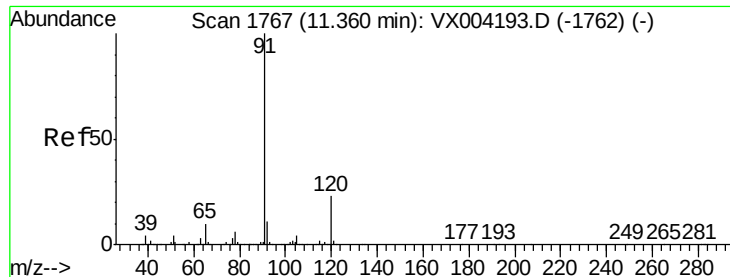
105 100

120 26.9 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: 102.56 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

FL-0545

Tot Ion: 91 Resp: 2081537

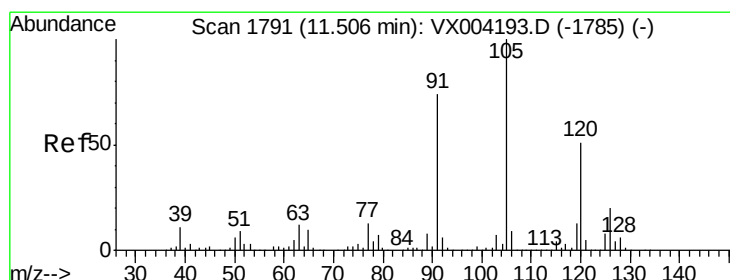
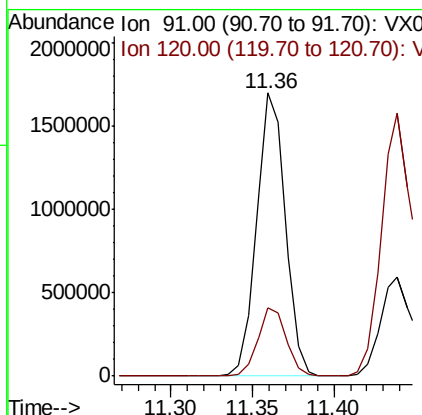
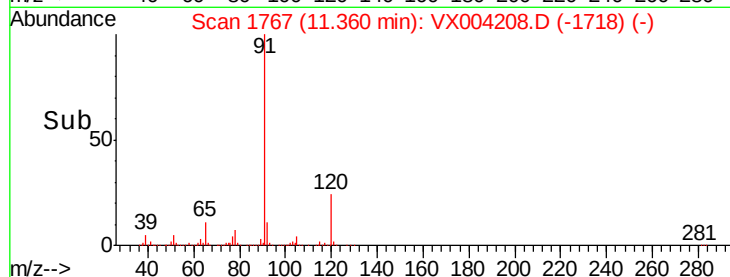
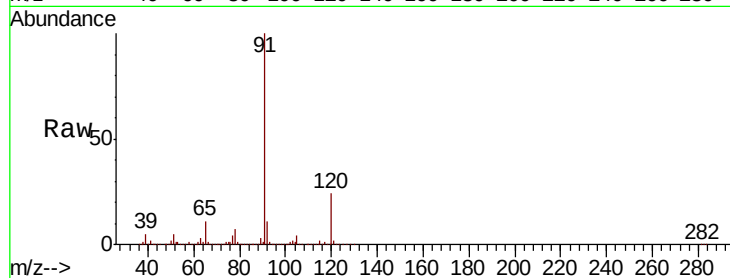
Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.9

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#80

1,3,5-Trimethylbenzene

Concen: 235.03 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX004208.D

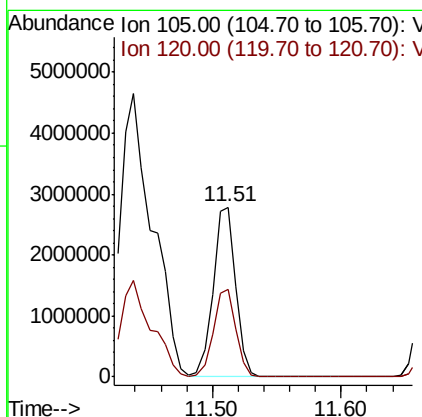
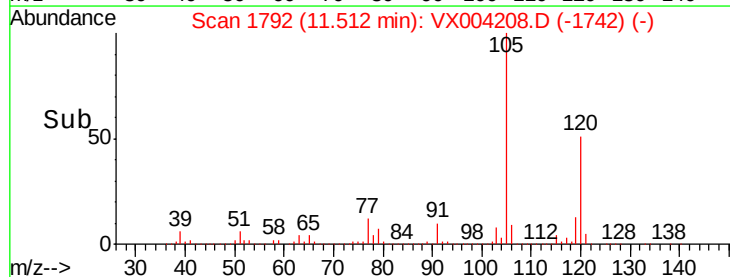
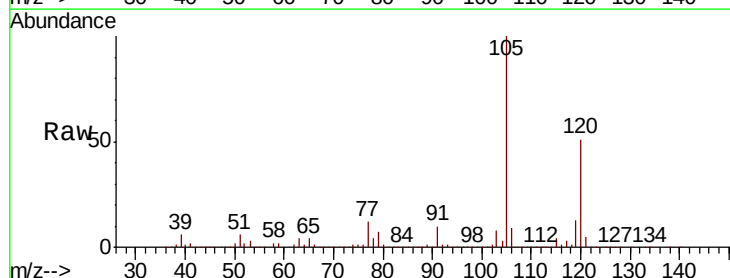
Acq: 22 Aug 2018 19:30

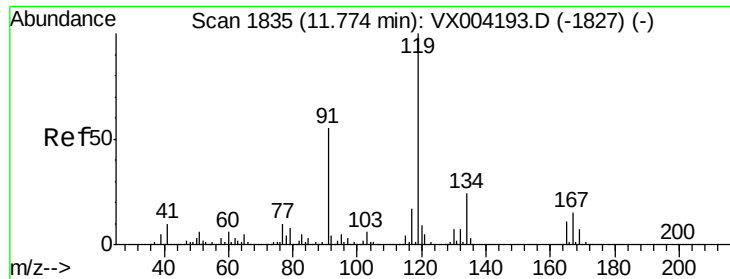
Tgt Ion: 105 Resp: 3434540

Ion Ratio Lower Upper

105 100

120 51.5 25.6 76.8





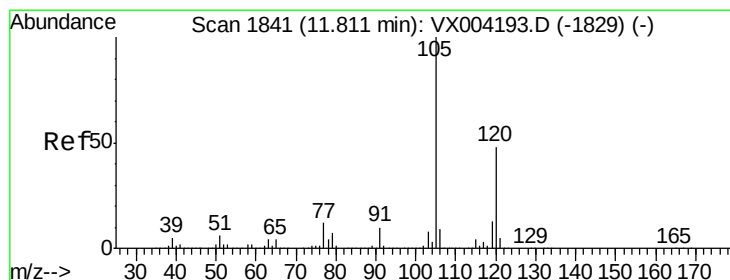
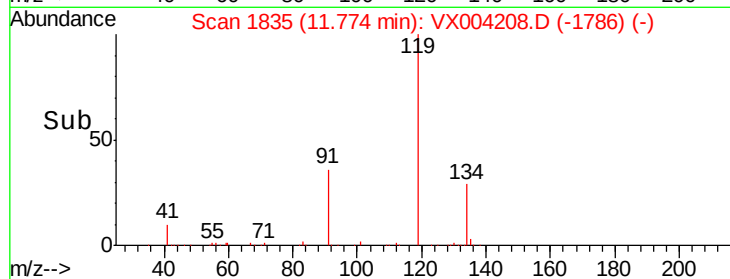
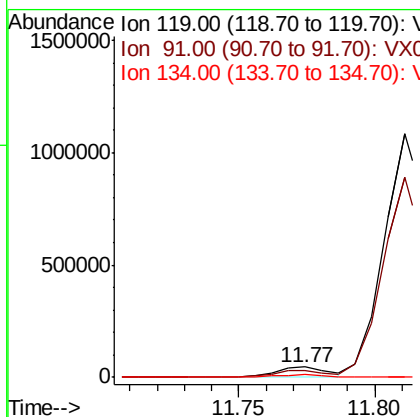
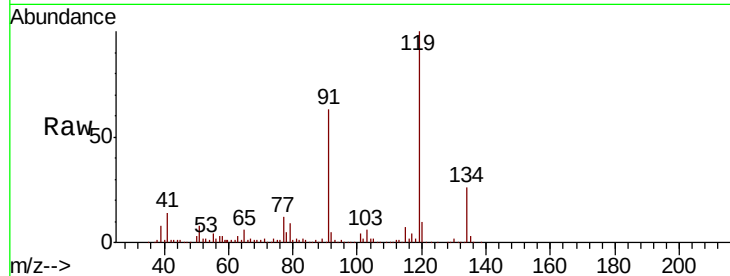
#83
 tert-Butylbenzene
 Concen: 4.12 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004208.D
 Acq: 22 Aug 2018 19:30

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0545

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	27.0	81.0
134	25.0	11.7	35.1

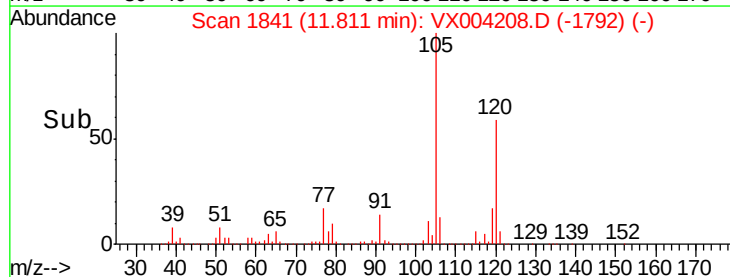
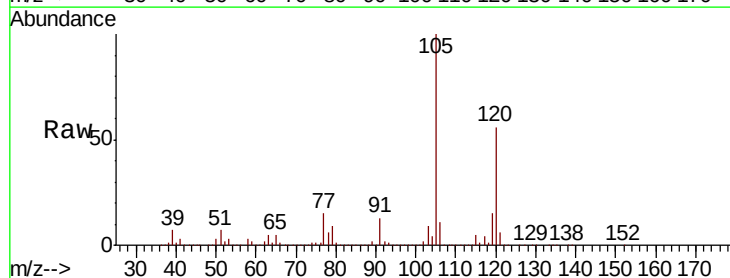
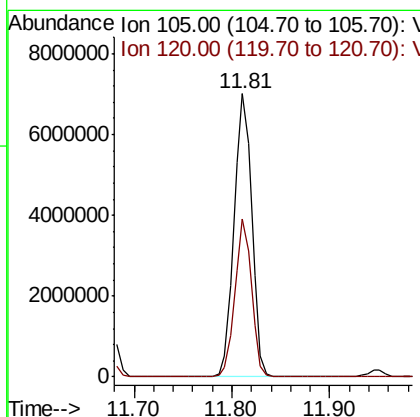
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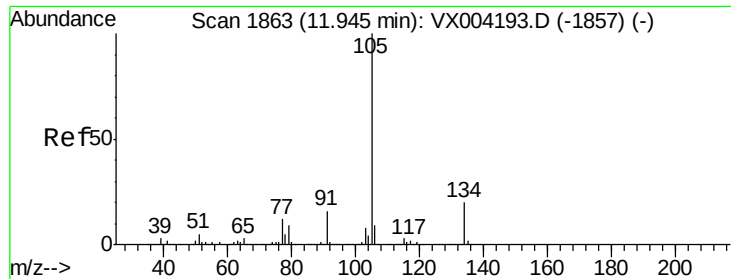
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 8/23/2018 9:40:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 587.49 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004208.D
 Acq: 22 Aug 2018 19:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 11.81 ug/l m

RT: 11.94 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

Instrument :

MSVOA_X

ClientSampled :

FL-0545

Tot Ion:105 Resp: 206083

Ion Ratio Lower Upper

105 100

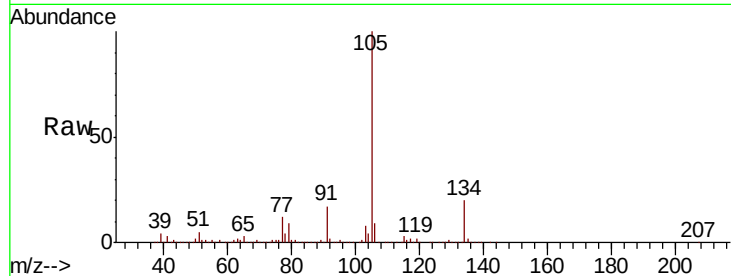
134 0.0 10.5 31.5#

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

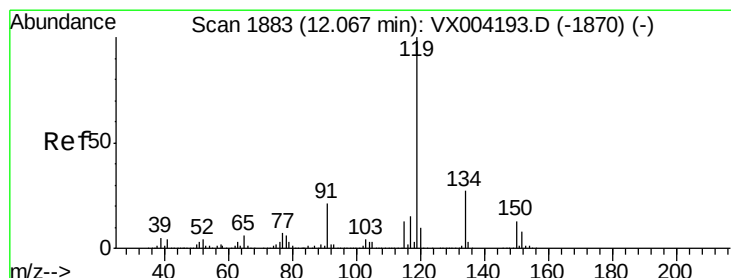
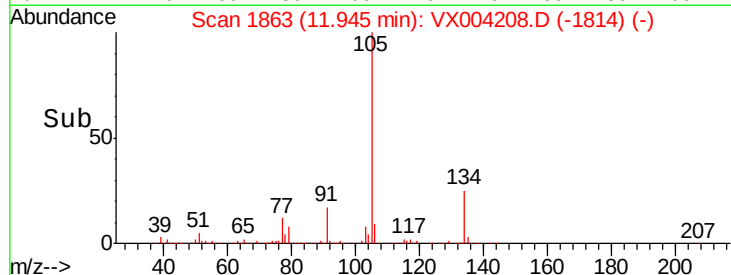
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 10.87 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004208.D

Acq: 22 Aug 2018 19:30

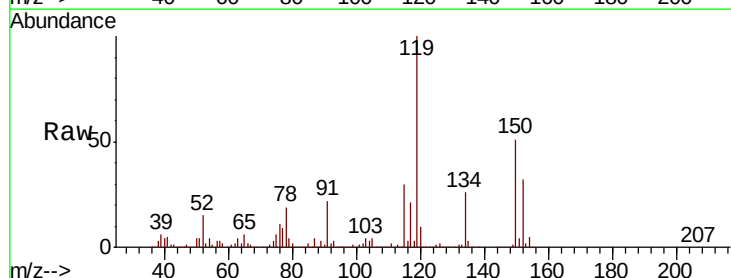
Tgt Ion:119 Resp: 170073

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.7 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

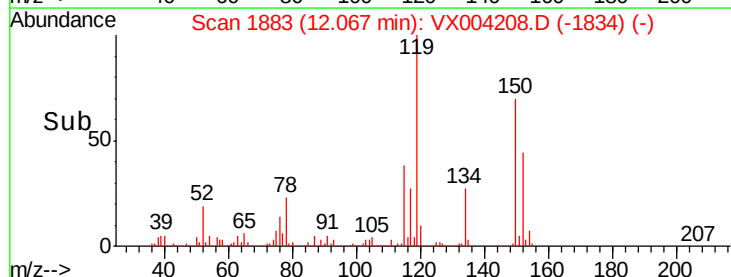
300000

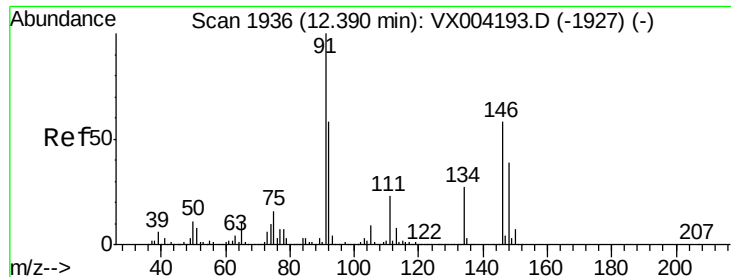
200000

100000

0

Time-->





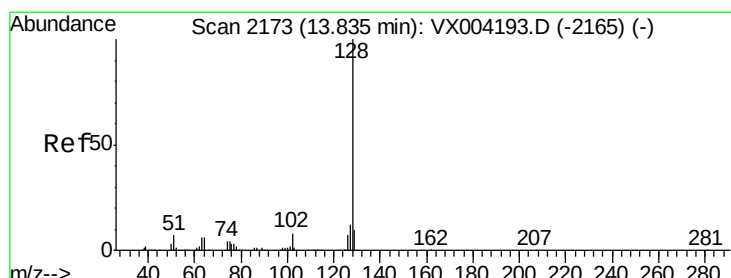
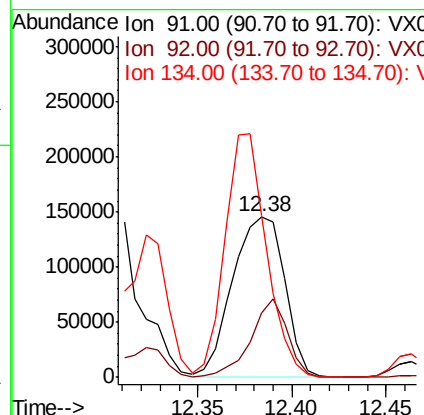
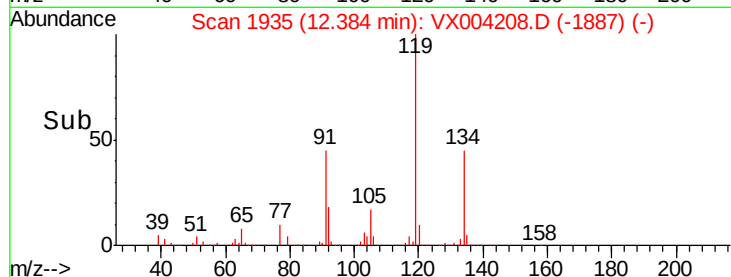
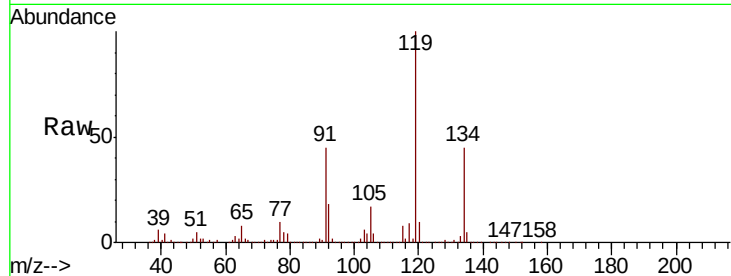
#89
n-Butylbenzene
Concen: 21.86 ug/l
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Instrument :
MSVOA_X
ClientSampled :
FL-0545

Tot Ion	Ratio	Resp	Lower	Upper
91	100	278049		
92	34.5		27.3	81.9
134	120.9		13.6	40.7#

Manual Integrations
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#95
Naphthalene
Concen: 324.83 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004208.D
Acq: 22 Aug 2018 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	5693664		
127	13.0		10.2	15.2
129	11.7		8.6	12.8

