

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004209.D
 Acq On : 22 Aug 2018 19:57
 Operator : JC/MD
 Sample : J4579-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0544

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:42 AM

Quant Time: Aug 23 09:36:30 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	310514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276231	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	200730	49.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.20%	
35) Dibromofluoromethane	5.51	113	170815	48.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	685303	51.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.14	95	254467	51.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	2535440	446.84	ug/l	99
39) Methylcyclohexane	7.46	83	1191991	195.19	ug/l	99
52) Toluene	8.79	92	3084	0.31	ug/l	95
67) Ethyl Benzene	10.26	91	9962676	558.10	ug/l #	86
68) m/p-Xylenes	10.37	106	9299123	1332.23	ug/l #	73
69) o-Xylene	10.70	106	2978571	451.12	ug/l	99
73) Isopropylbenzene	11.02	105	727955	40.12	ug/l	99
78) n-propylbenzene	11.36	91	1097278	52.59	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1894358	126.08	ug/l	99
83) tert-Butylbenzene	11.77	119	50888	3.37	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	6128845	397.40	ug/l	96
85) sec-Butylbenzene	11.94	105	69248m	3.86	ug/l	
86) p-Isopropyltoluene	12.07	119	79461m	4.94	ug/l	
89) n-Butylbenzene	12.38	91	119222	9.12	ug/l #	28
95) Naphthalene	13.83	128	3960304	219.75	ug/l	99

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

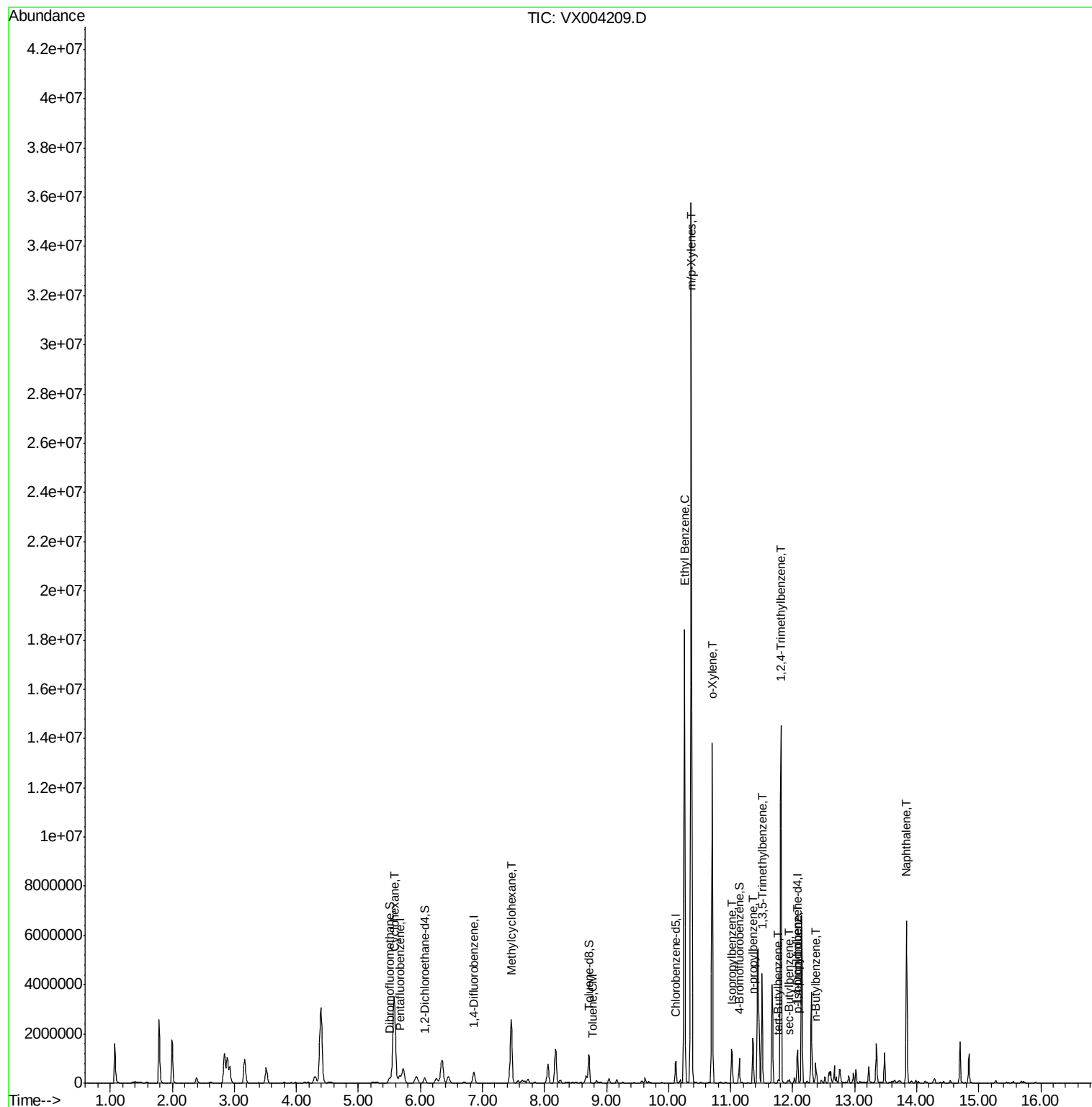
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082218\
Data File : VX004209.D
Acq On : 22 Aug 2018 19:57
Operator : JC/MD
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

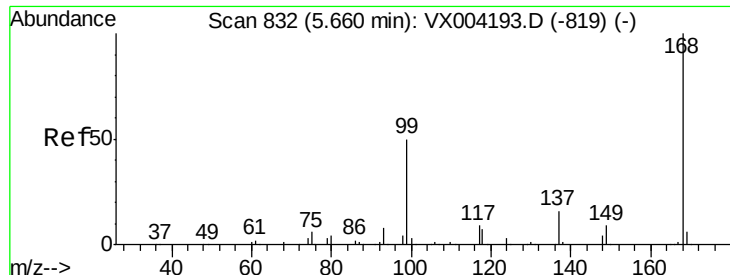
Instrument :
MSVOA_X
ClientSampleId :
FL-0544

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Quant Time: Aug 23 09:36:30 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: VX004209.D

Acq: 22 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

FL-0544

Tot Ion:168 Resp: 310514

Ion Ratio Lower Upper

168 100

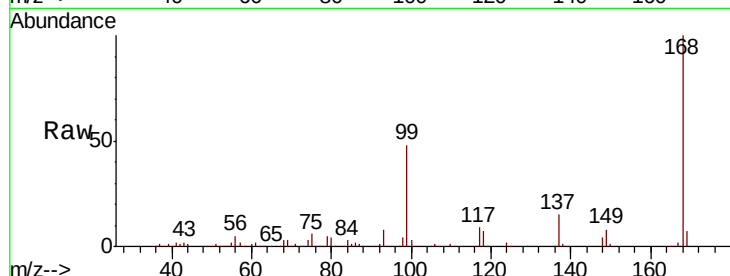
99 47.5 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

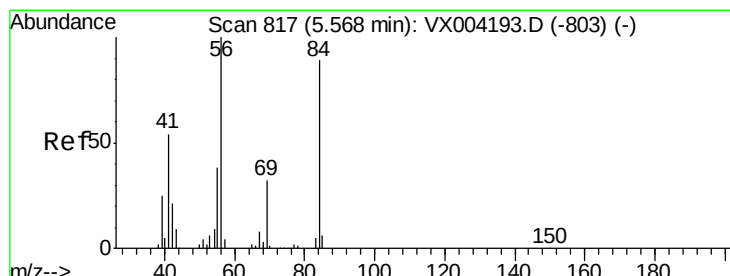
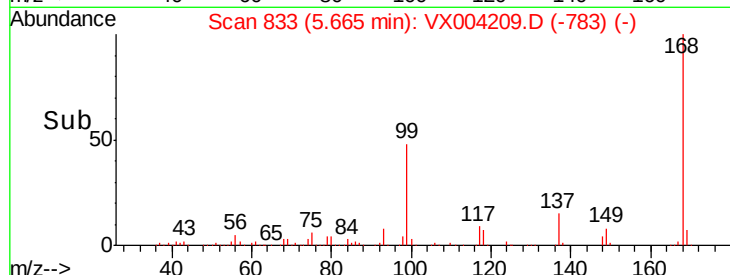
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 446.84 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

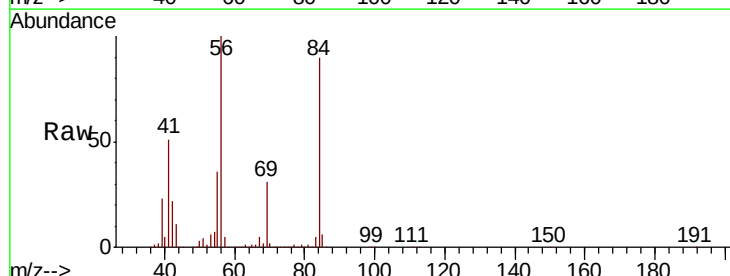
Tgt Ion: 56 Resp: 2535440

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.2

84 90.5 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

1000000

800000

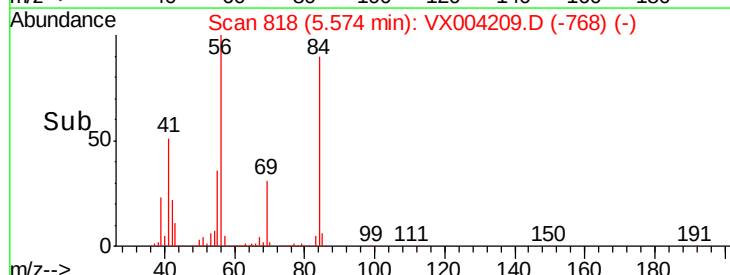
600000

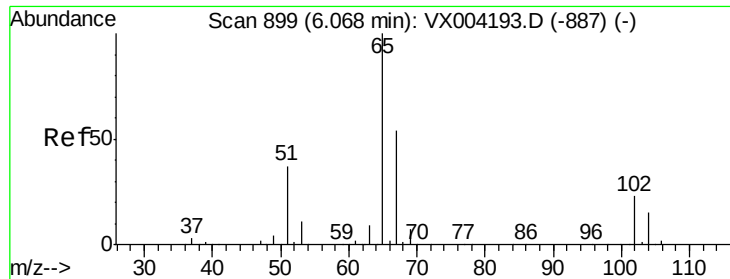
400000

200000

0

Time--> 5.40 5.50 5.60 5.70





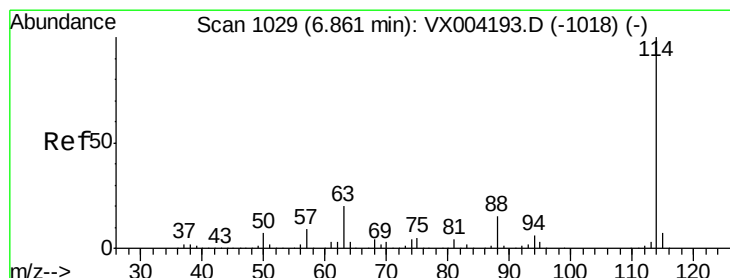
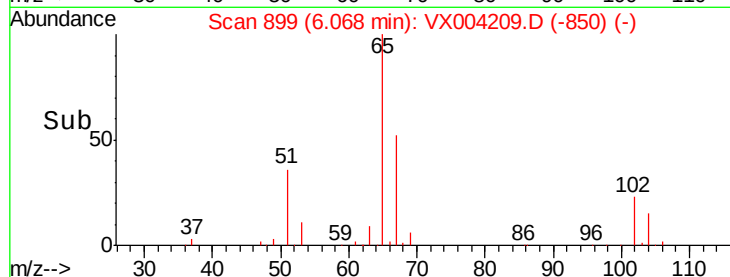
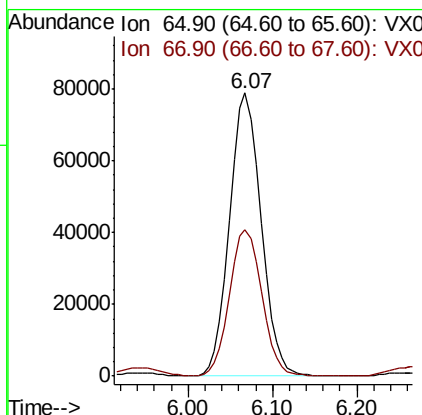
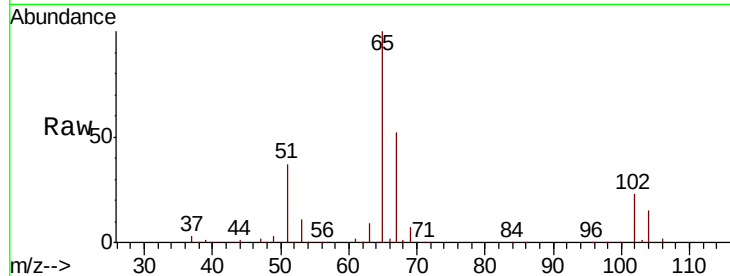
#33
 1,2-Dichloroethane-d4
 Concen: 49.60 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004209.D
 Acq: 22 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0544

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200730		
67	52.5	0.0	106.8	

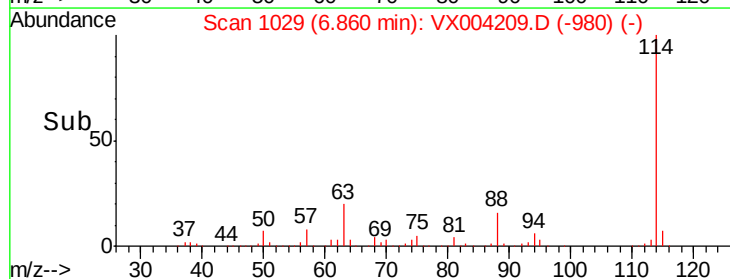
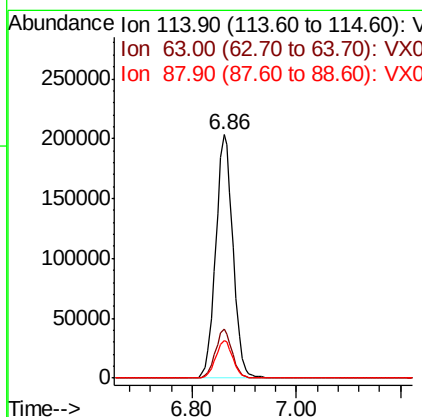
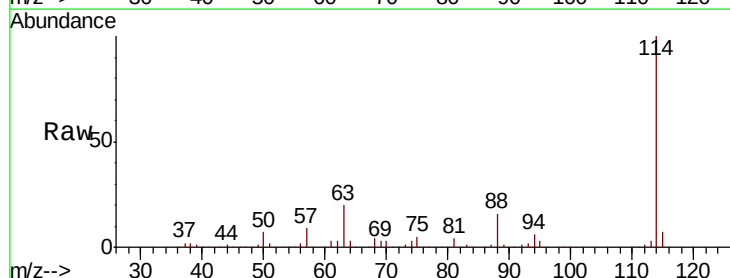
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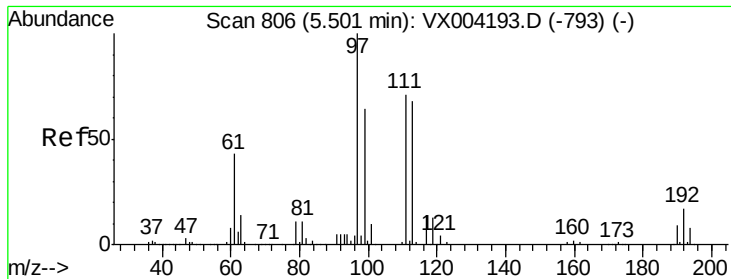
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004209.D
 Acq: 22 Aug 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	475773		
63	20.0	0.0	39.0	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.26 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Instrument :

MSVOA_X

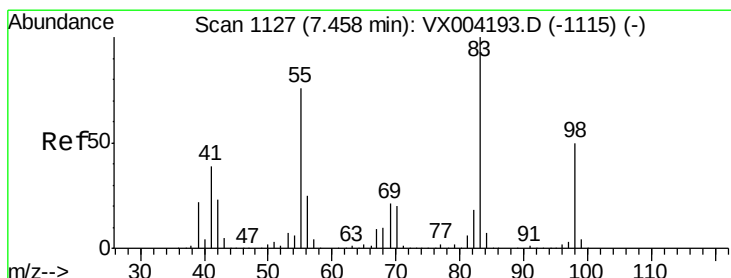
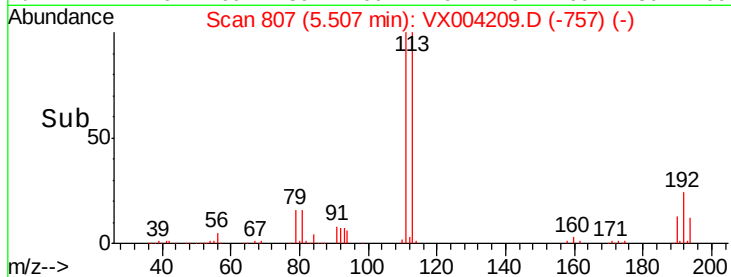
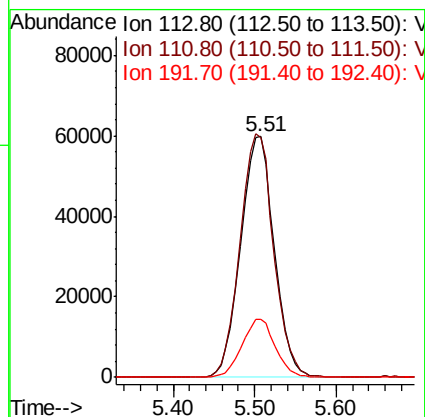
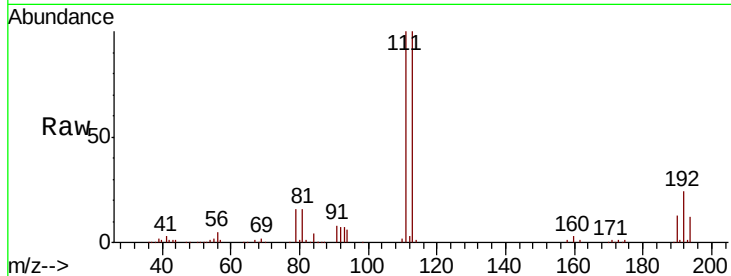
ClientSampleId :

FL-0544

Tot Ion:	113	Resp:	170815
Ion Ratio	Lower	Upper	
113	100		
111	101.4	82.4	123.6
192	23.8	19.4	29.2

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#39

Methylcyclohexane

Concen: 195.19 ug/l

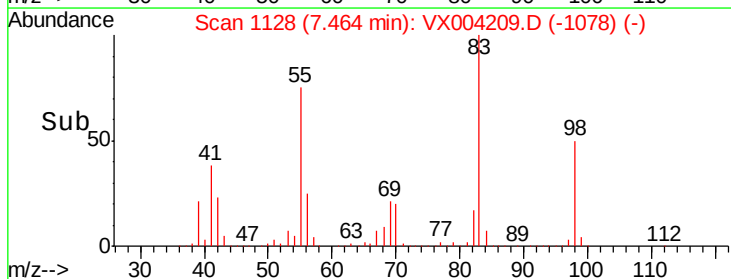
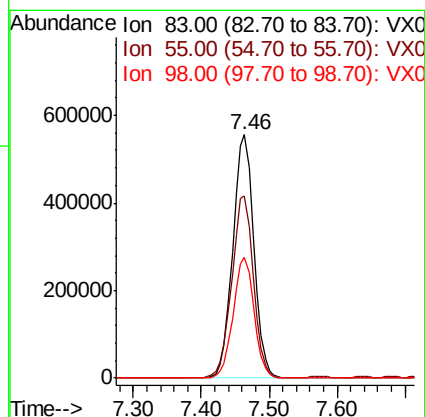
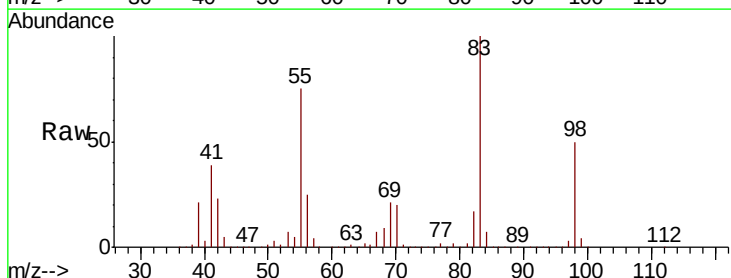
RT: 7.46 min Scan# 1128

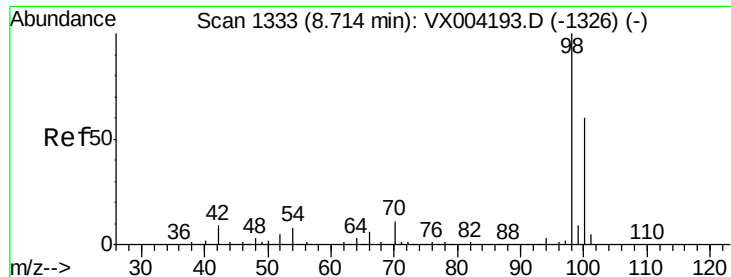
Delta R.T. 0.01 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Tgt Ion:	83	Resp:	1191991
Ion Ratio	Lower	Upper	
83	100		
55	74.9	61.0	91.4
98	49.6	39.6	59.4





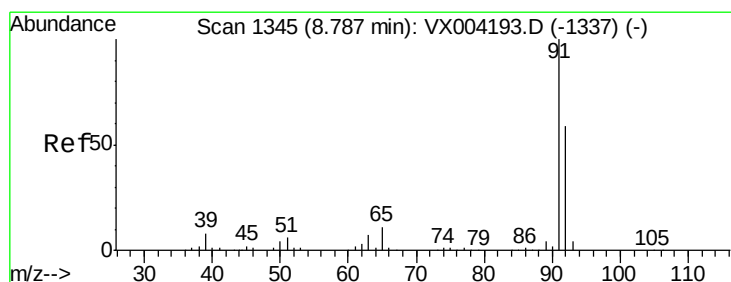
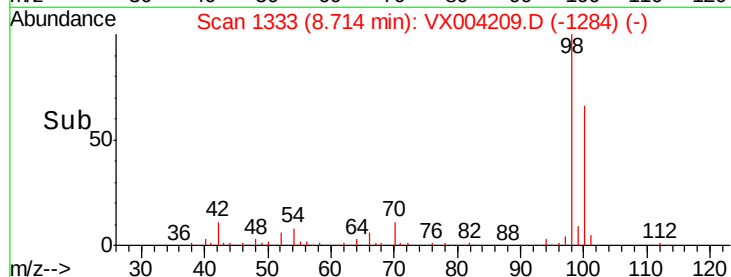
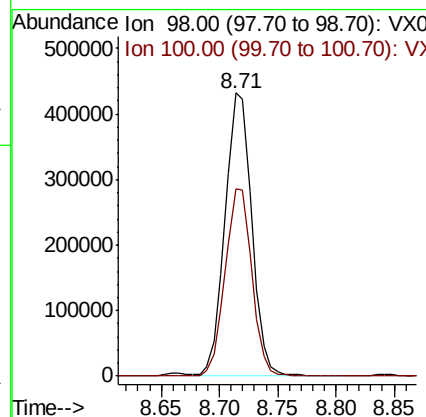
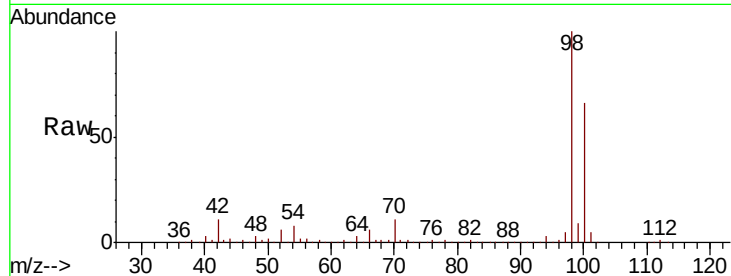
#50
Toluene-d8
Concen: 51.29 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004209.D
Acq: 22 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0544

Tot Ion	98	100	Ratio	Lower	Upper
98	100				
100	66.5	52.9			79.3

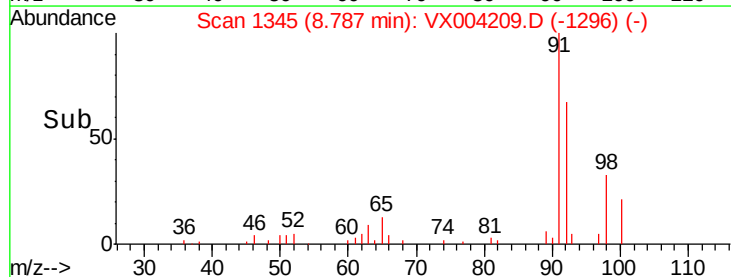
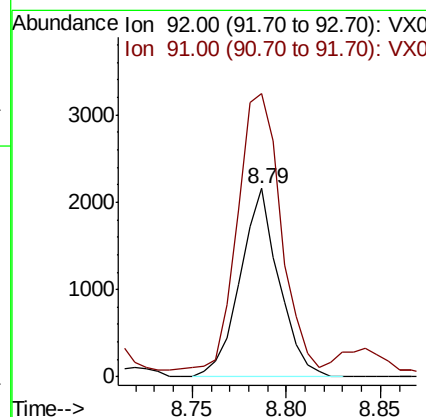
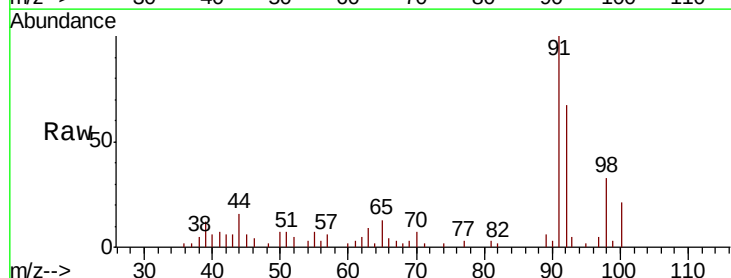
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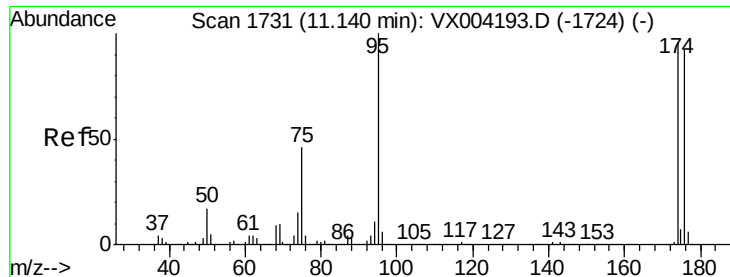
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8/23/2018 9:40:42 AM



#52
Toluene
Concen: 0.31 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004209.D
Acq: 22 Aug 2018 19:57

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	163.0	136.4			204.6





#62

4-Bromofluorobenzene

Concen: 51.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Instrument :

MSVOA_X

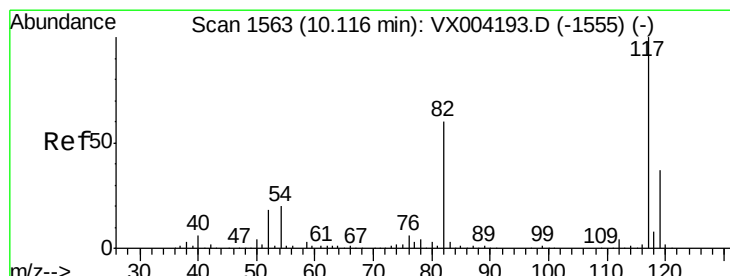
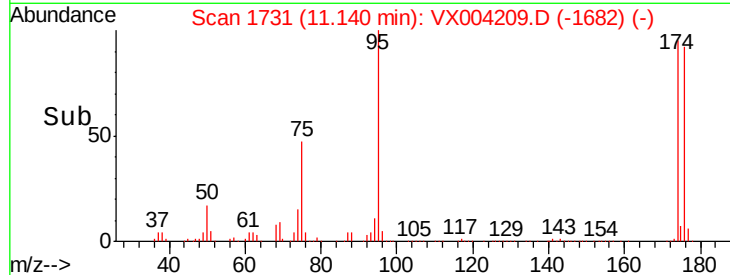
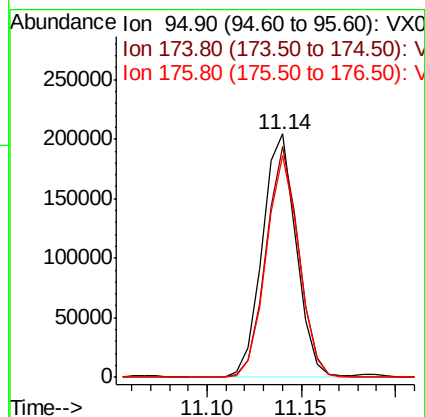
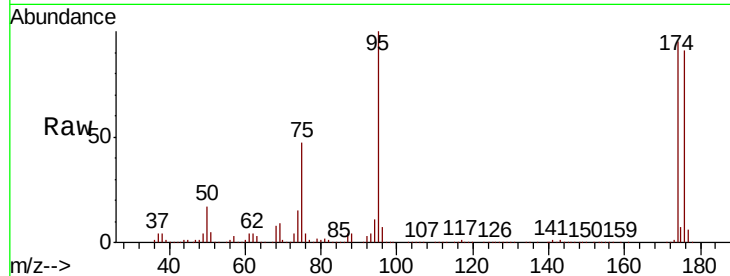
ClientSampled :

FL-0544

Tot Ion:	95	Resp:	254467
Ion Ratio	Lower	Upper	
95	100		
174	91.6	0.0	185.2
176	88.7	0.0	178.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

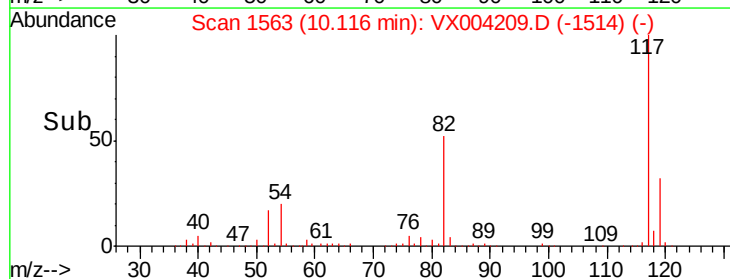
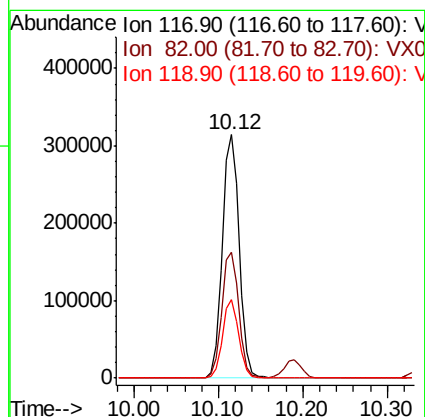
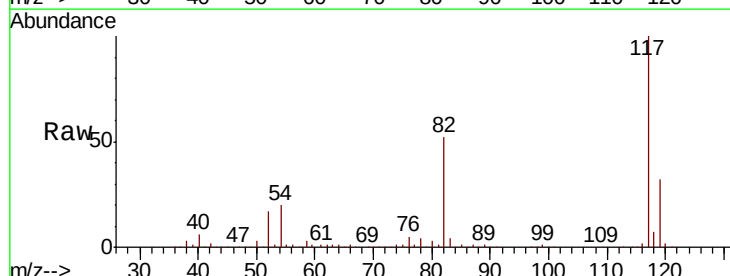
RT: 10.12 min Scan# 1563

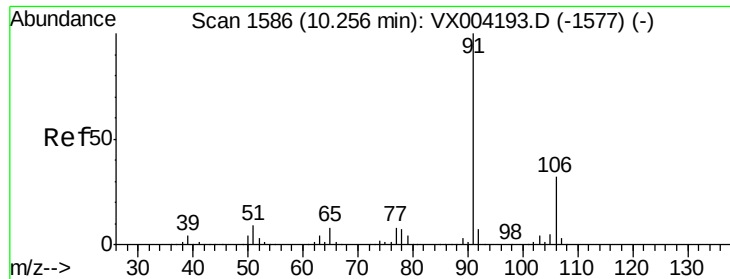
Delta R.T. -0.00 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Tgt Ion:	117	Resp:	437968
Ion Ratio	Lower	Upper	
117	100		
82	51.8	47.8	71.6
119	32.1	29.3	43.9





#67

Ethyl Benzene

Concen: 558.10 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0544

Tot Ion: 91 Resp: 9962676

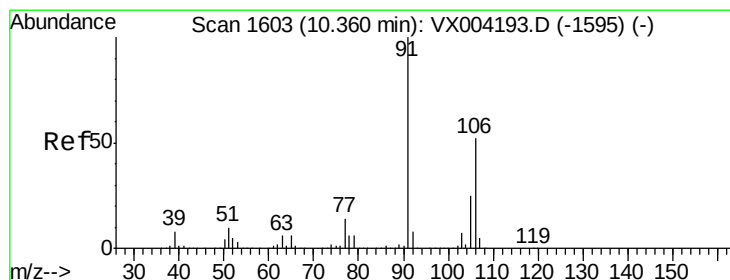
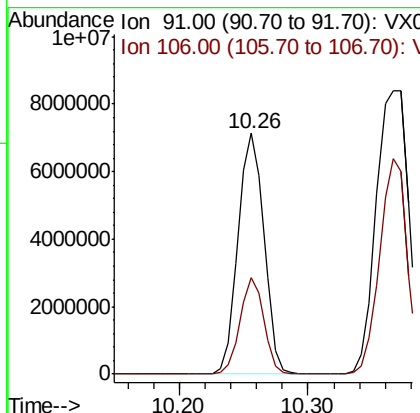
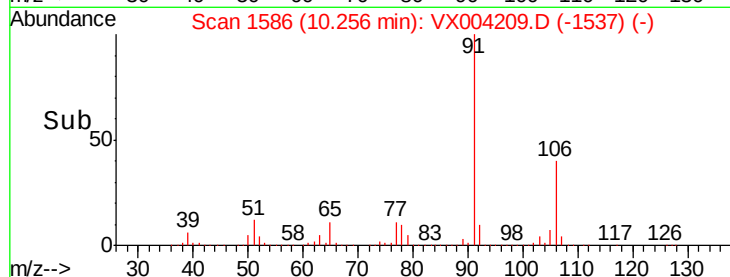
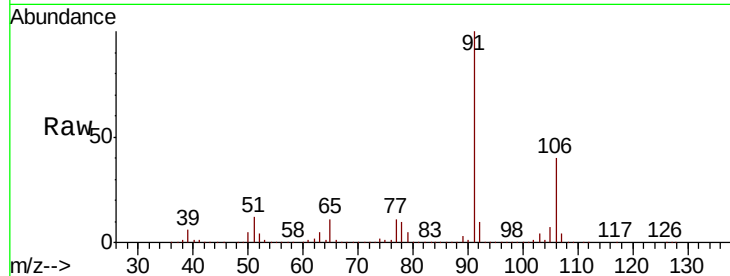
Ion Ratio Lower Upper

91 100

106 40.2 25.9 38.9#

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#68

m/p-Xylenes

Concen: 1332.23 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX004209.D

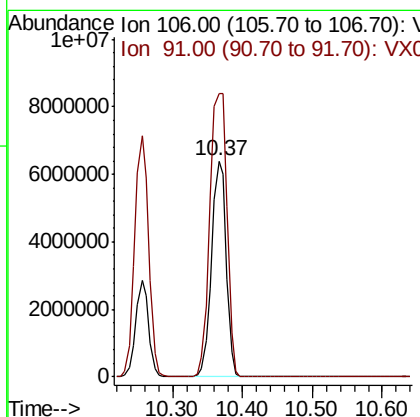
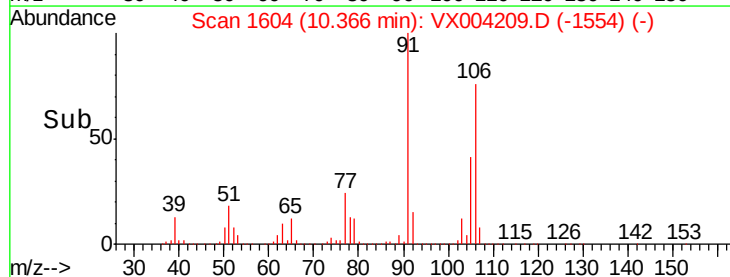
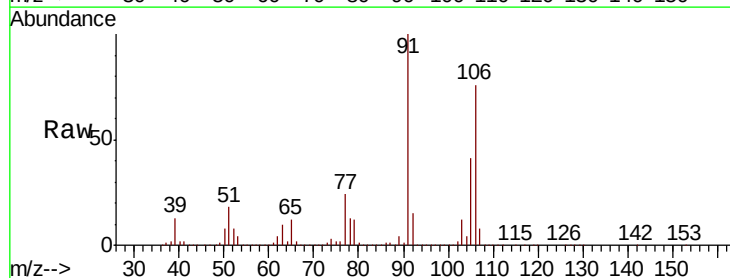
Acq: 22 Aug 2018 19:57

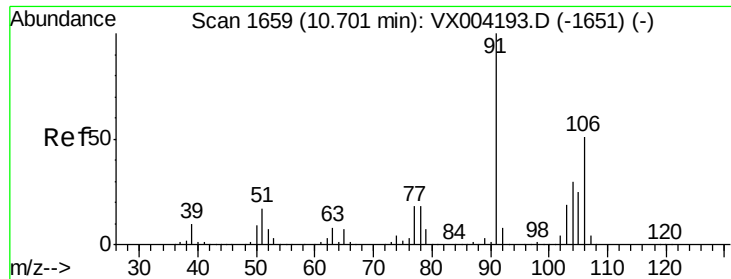
Tgt Ion:106 Resp: 9299123

Ion Ratio Lower Upper

106 100

91 155.8 157.1 235.7#





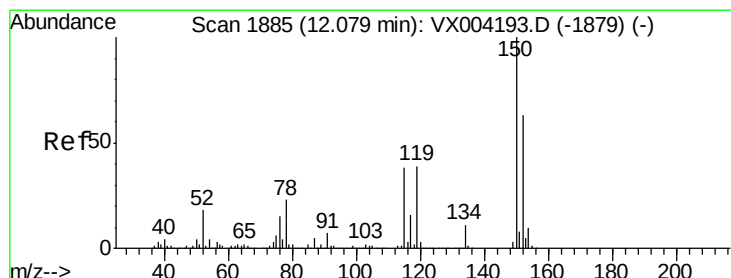
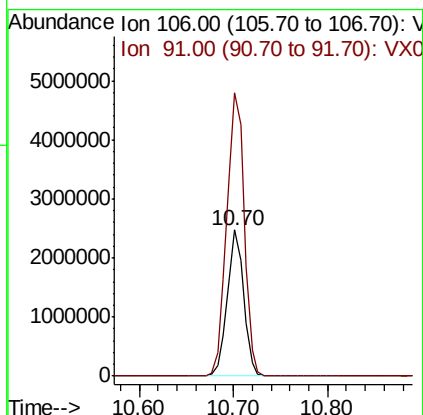
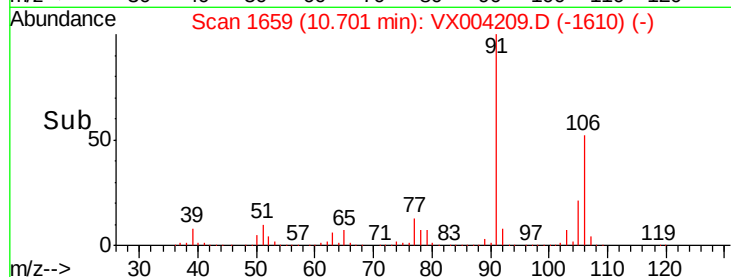
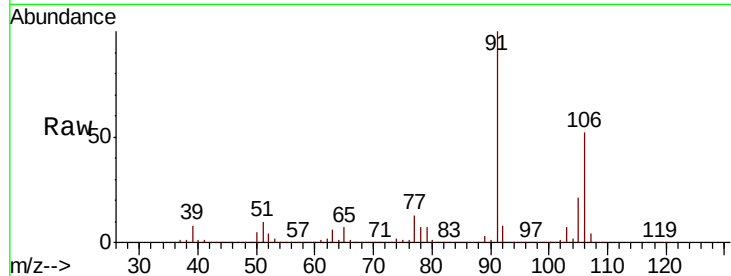
#69
o-Xylene
Concen: 451.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004209.D
Acq: 22 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampled :
FL-0544

Tot Ion:106 Resp: 2978571
Ion Ratio Lower Upper
106 100
91 208.6 105.1 315.1

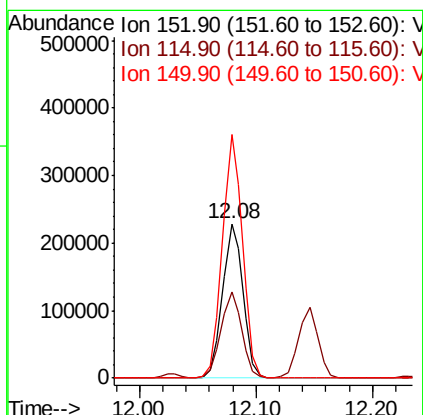
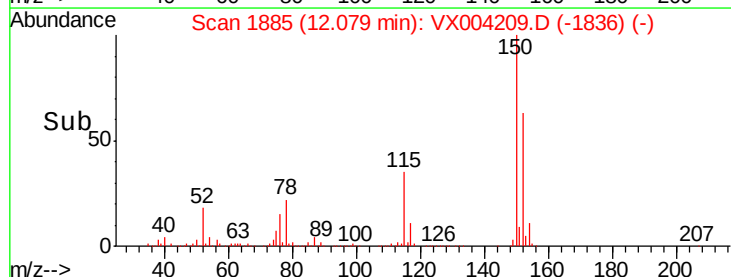
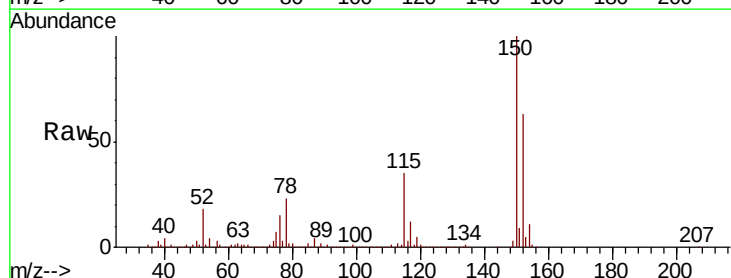
Manual Integrations
APPROVED

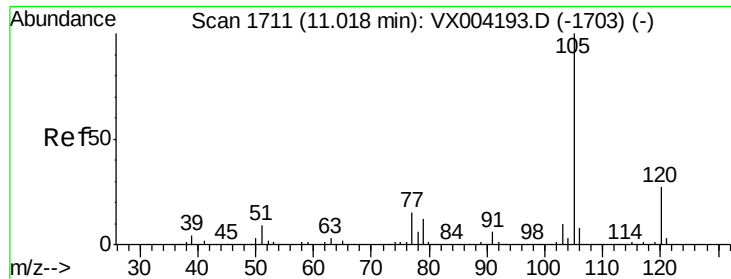
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8/23/2018 9:40:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004209.D
Acq: 22 Aug 2018 19:57

Tgt Ion:152 Resp: 276231
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 155.2 0.0 351.0





#73

Isopropylbenzene

Concen: 40.12 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

FL-0544

Tot Ion: 105 Resp: 727955

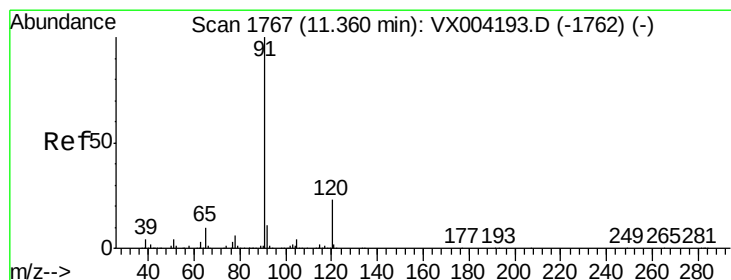
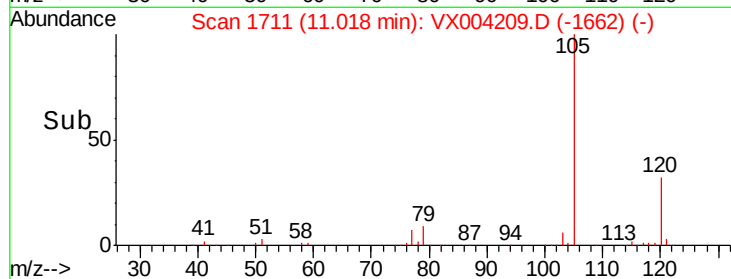
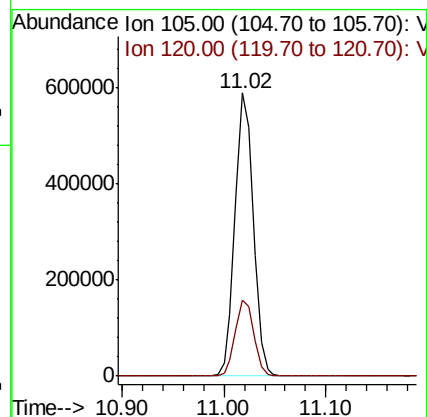
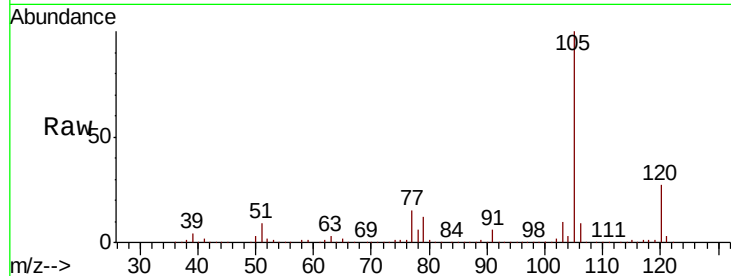
Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4

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#78

n-propylbenzene

Concen: 52.59 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004209.D

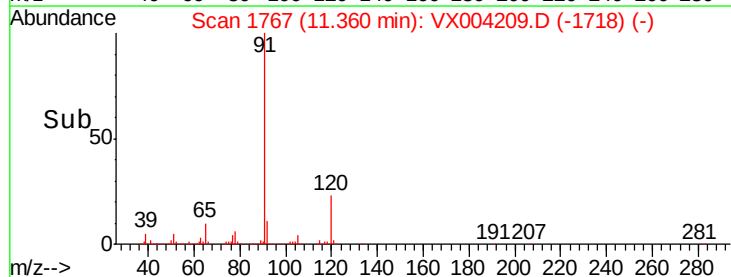
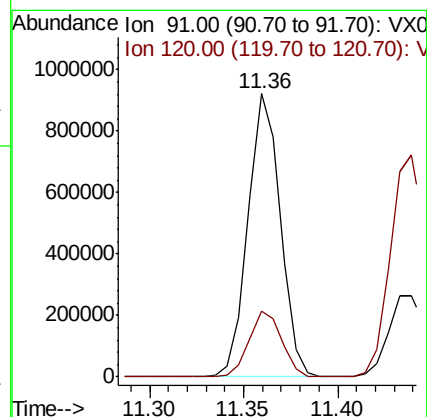
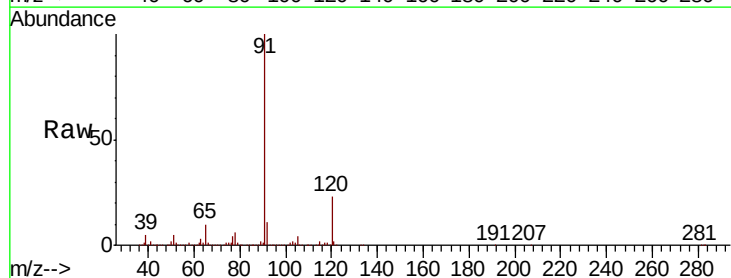
Acq: 22 Aug 2018 19:57

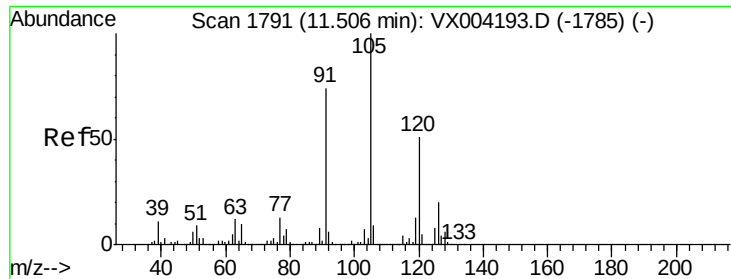
Tgt Ion: 91 Resp: 1097278

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 126.08 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

FL-0544

Tot Ion:105 Resp: 1894358

Ion Ratio Lower Upper

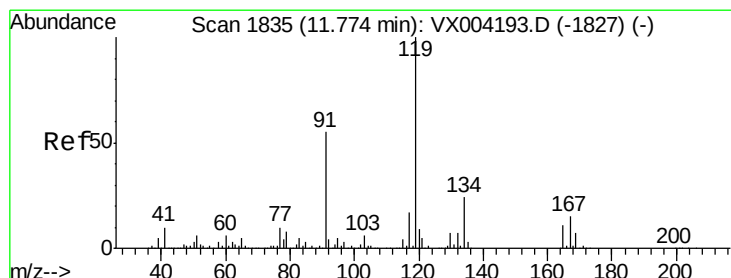
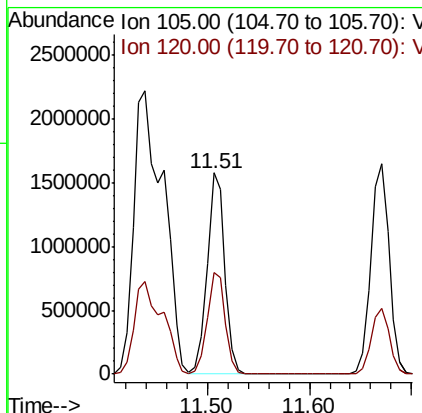
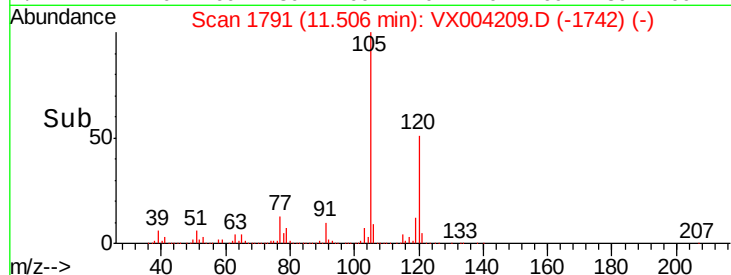
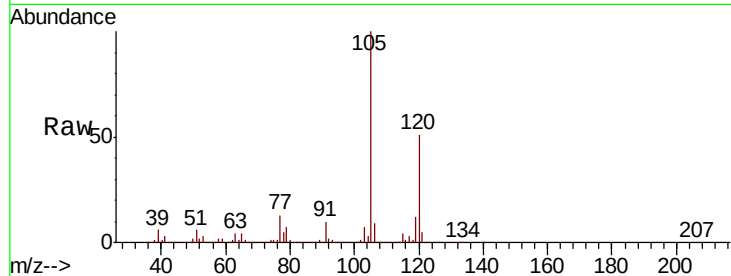
105 100

120 51.9 25.6 76.8

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#83

tert-Butylbenzene

Concen: 3.37 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004209.D

Acq: 22 Aug 2018 19:57

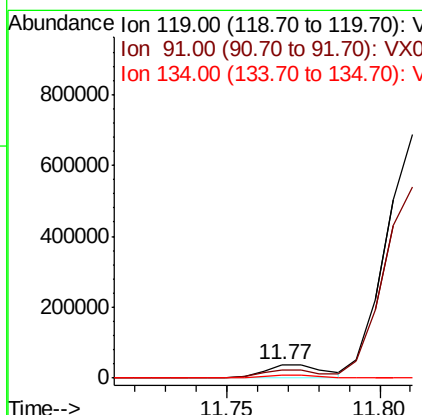
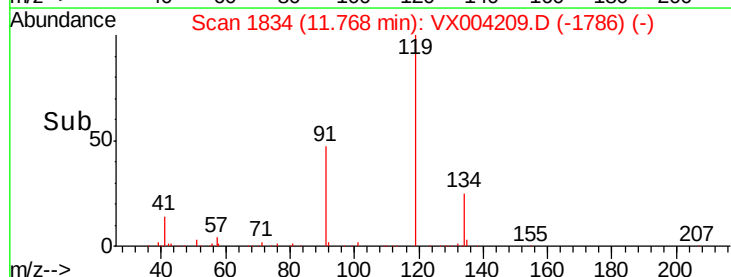
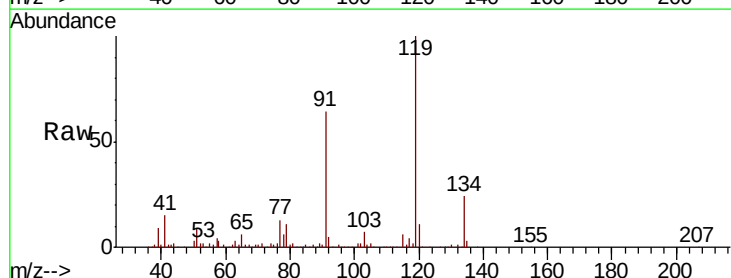
Tgt Ion:119 Resp: 50888

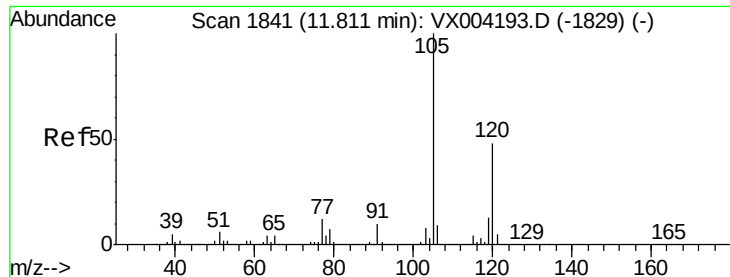
Ion Ratio Lower Upper

119 100

91 65.1 27.0 81.0

134 25.0 11.7 35.1





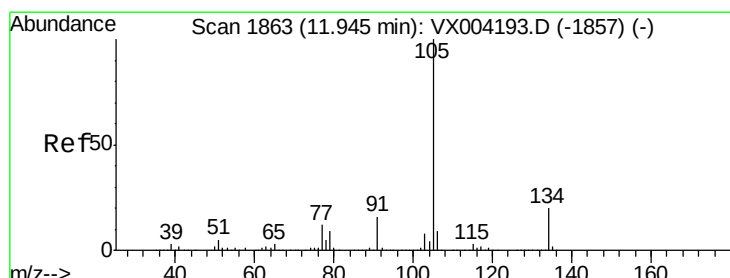
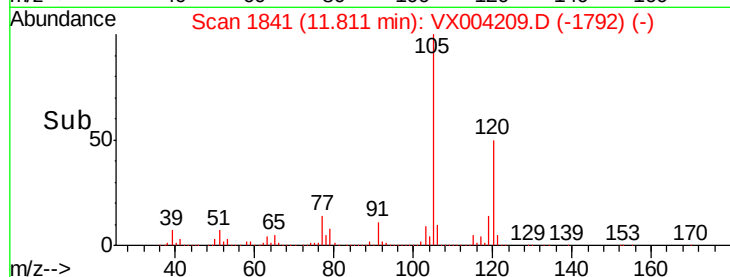
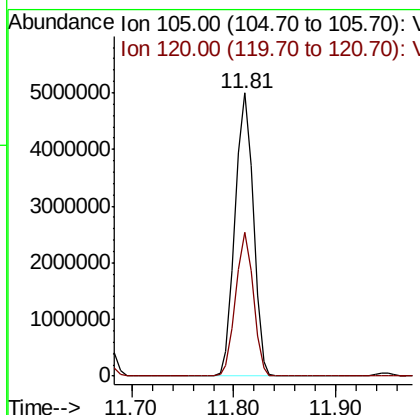
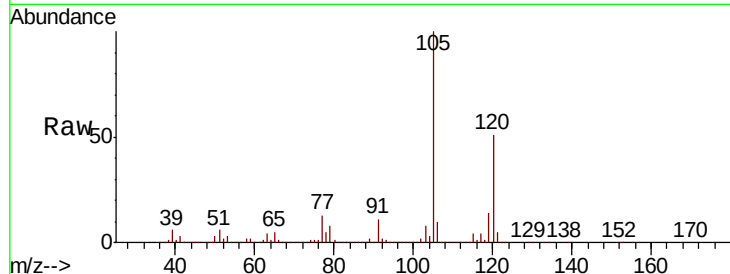
#84
 1,2,4-Trimethylbenzene
 Concen: 397.40 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004209.D
 Acq: 22 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0544

Tot Ion:105 Resp: 6128845
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.2 69.6

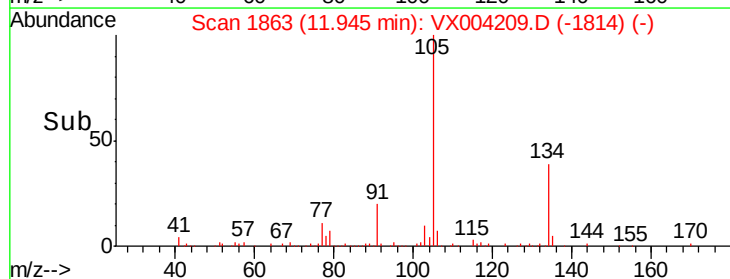
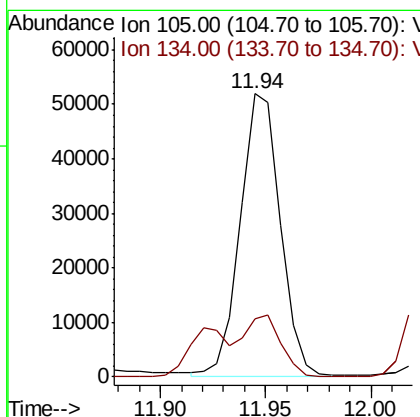
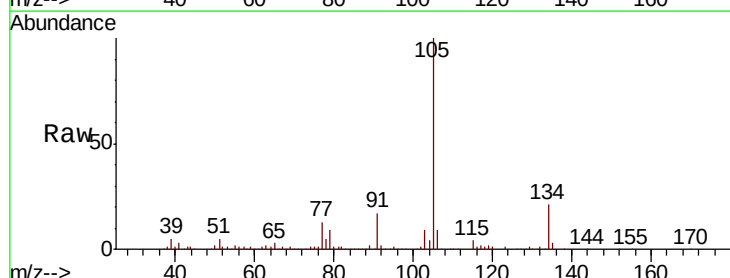
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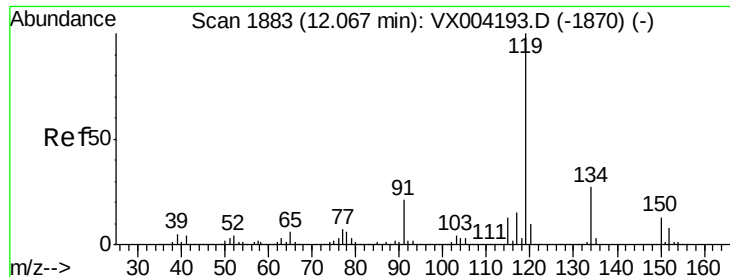
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#85
 sec-Butylbenzene
 Concen: 3.86 ug/l m
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004209.D
 Acq: 22 Aug 2018 19:57

Tgt Ion:105 Resp: 69248
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#





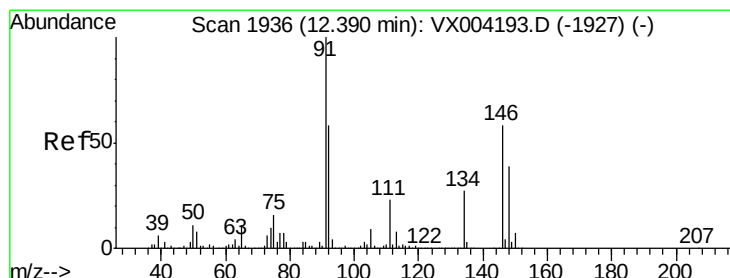
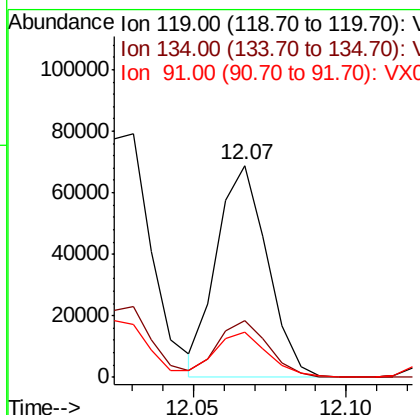
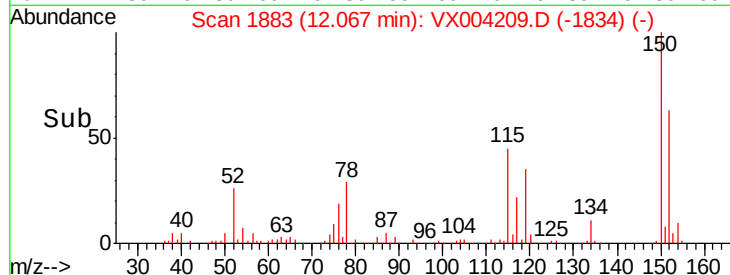
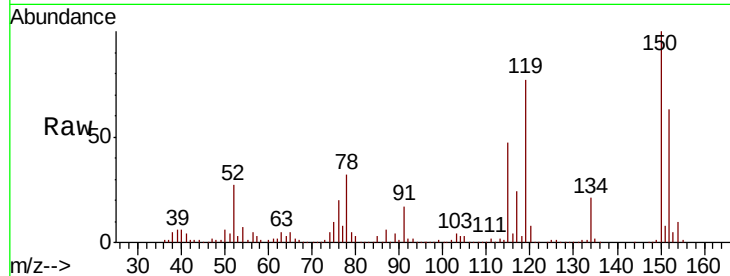
#86
 p-Isopropyltoluene
 Concen: 4.94 ug/l m
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004209.D
 Acq: 22 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0544

Tot Ion:	119	Resp:	79461
Ion Ratio	Lower	Upper	
119	100		
134	35.8	13.4	40.2
91	28.3	10.9	32.7

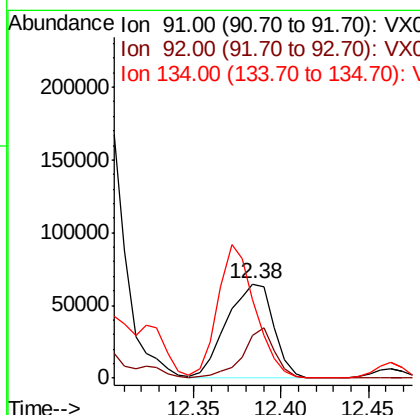
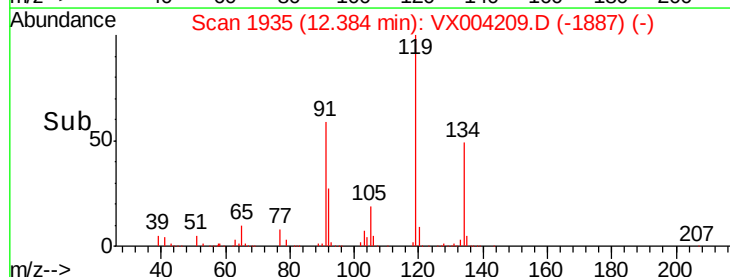
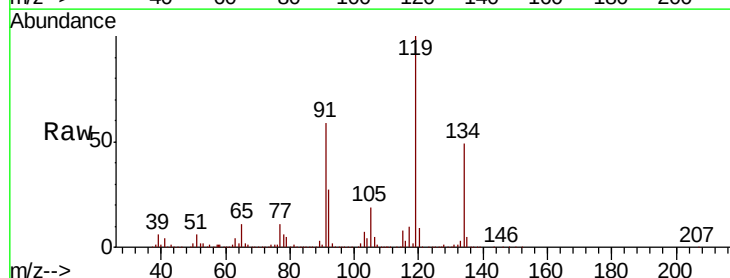
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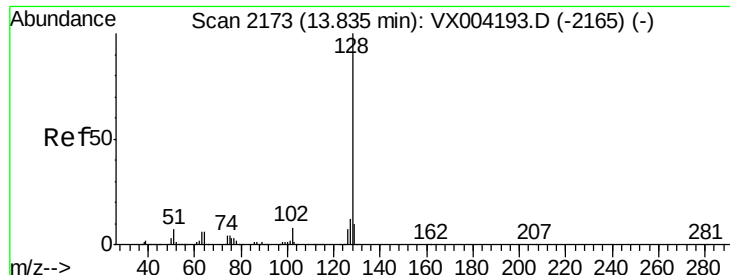
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#89
 n-Butylbenzene
 Concen: 9.12 ug/l
 RT: 12.38 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: VX004209.D
 Acq: 22 Aug 2018 19:57

Tgt Ion:	91	Resp:	119222
Ion Ratio	Lower	Upper	
91	100		
92	36.8	27.3	81.9
134	113.1	13.6	40.7#





#95
Naphthalene
Concen: 219.75 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004209.D
Acq: 22 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0544

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.5	8.6	12.8

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