

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004226.D
 Acq On : 23 Aug 2018 15:00
 Operator : JC/MD
 Sample : J4579-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0553

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:38 AM

Quant Time: Aug 24 07:21:15 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	330403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	512901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290150	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	213056	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.50	113	179704	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	8.71	98	721433	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	270434	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	536585	88.87	ug/l	99
39) Methylcyclohexane	7.46	83	408450	62.04	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	5311	0.84	ug/l #	52
52) Toluene	8.79	92	930225	86.25	ug/l	100
67) Ethyl Benzene	10.26	91	6062517	328.37	ug/l	96
68) m/p-Xylenes	10.37	106	6443659	892.58	ug/l	87
69) o-Xylene	10.70	106	2978743	436.21	ug/l	91
73) Isopropylbenzene	11.02	105	655922	34.42	ug/l	99
78) n-propylbenzene	11.36	91	912560	41.64	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	995831	63.10	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	4363742	269.37	ug/l	95
85) sec-Butylbenzene	11.94	105	88962m	4.72	ug/l	
86) p-Isopropyltoluene	12.07	119	93716	5.55	ug/l	99
95) Naphthalene	13.83	128	1835727	96.97	ug/l	99

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

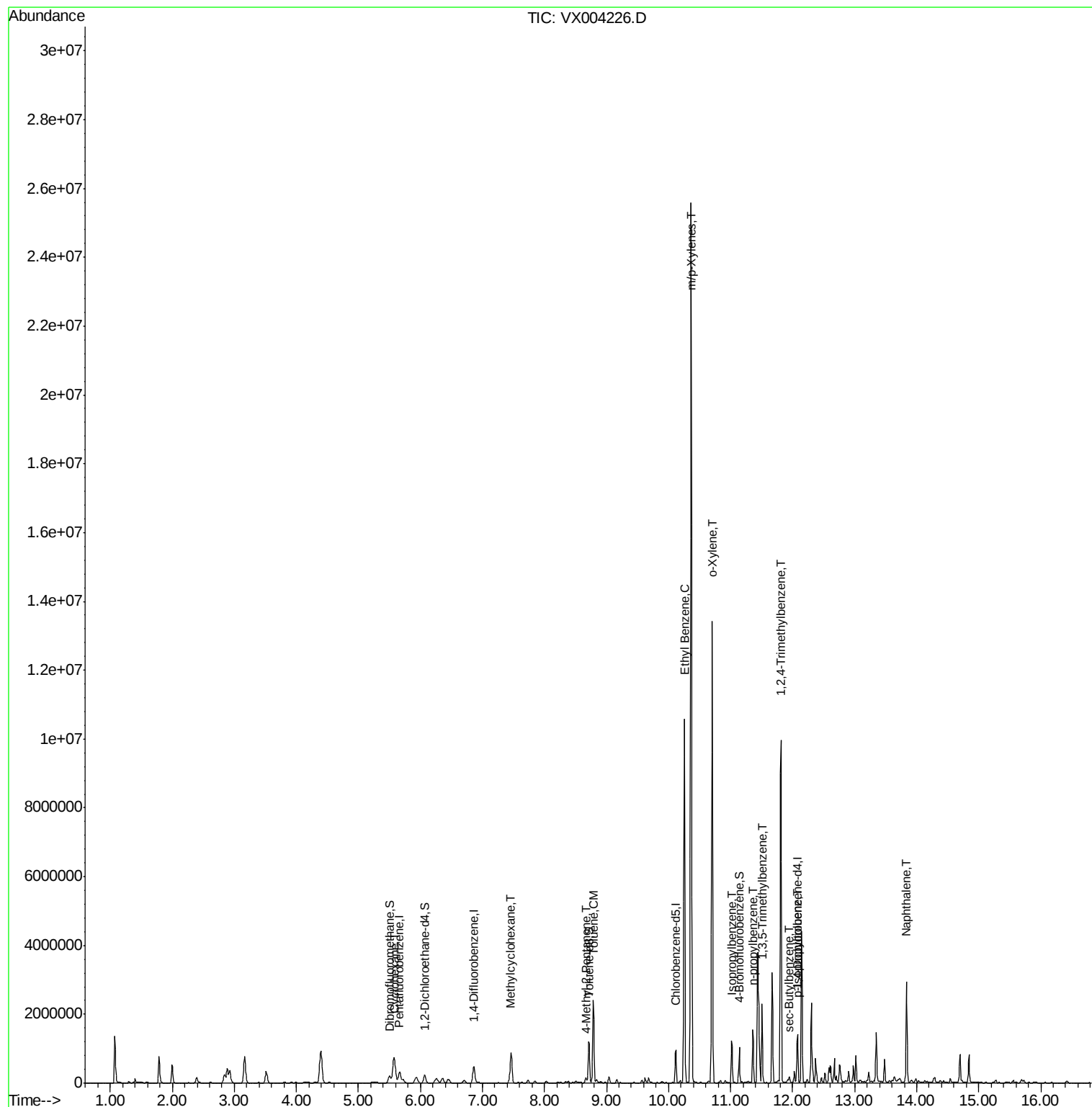
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082318\
Data File : VX004226.D
Acq On : 23 Aug 2018 15:00
Operator : JC/MD
Sample : J4579-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

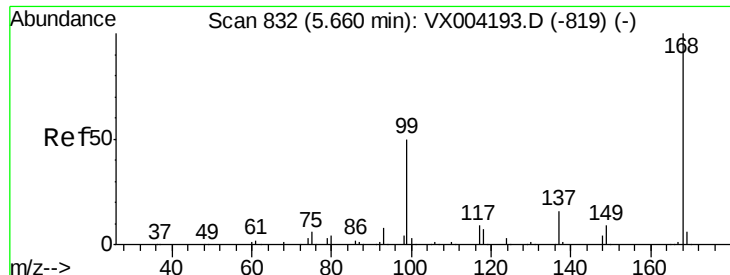
Instrument :
MSVOA_X
ClientSampleId :
FL-0553

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Quant Time: Aug 24 07:21:15 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: VX004226.D

Acq: 23 Aug 2018 15:00

Instrument :

MSVOA_X

ClientSampled :

FL-0553

Tot Ion:168 Resp: 330403

Ion Ratio Lower Upper

168 100

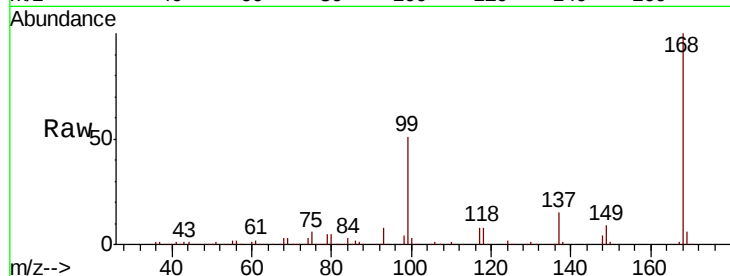
99 51.1 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

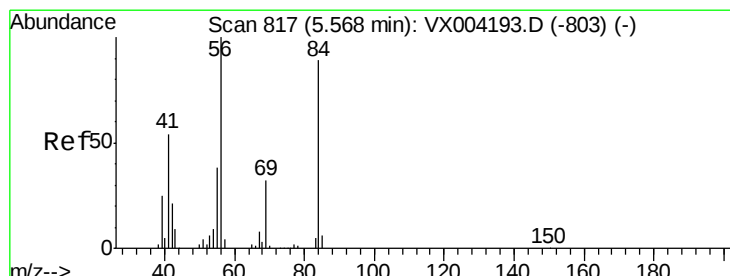
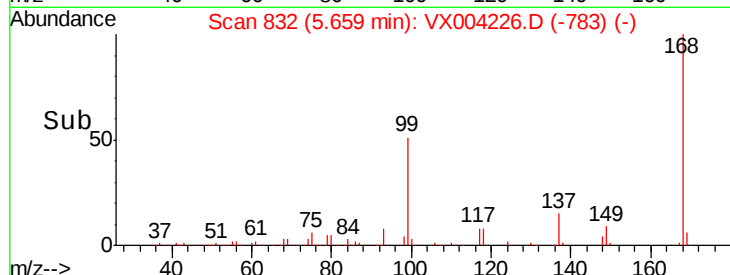
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 88.87 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

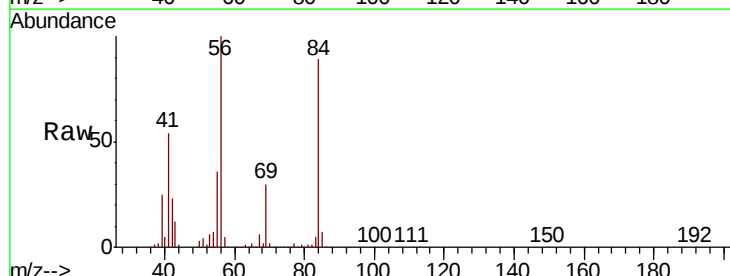
Tgt Ion: 56 Resp: 536585

Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.2

84 89.4 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

200000

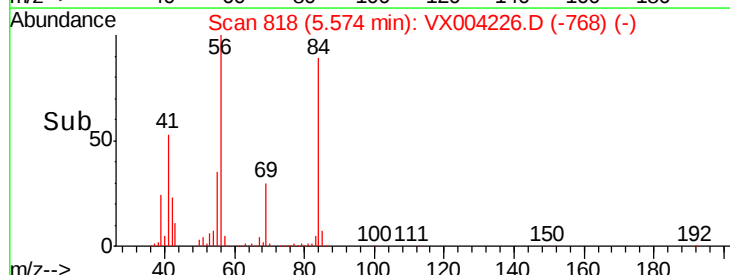
150000

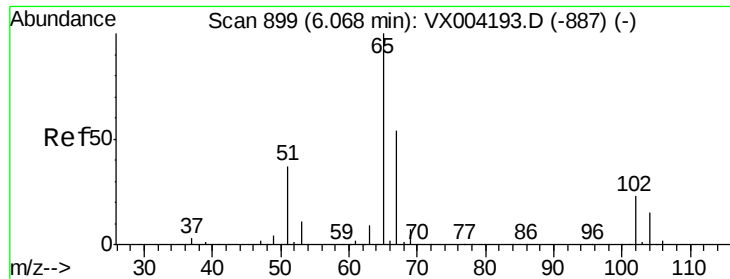
100000

50000

0

Time--> 5.40 5.50 5.60 5.70





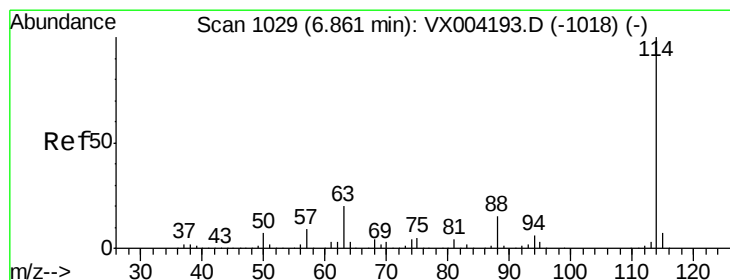
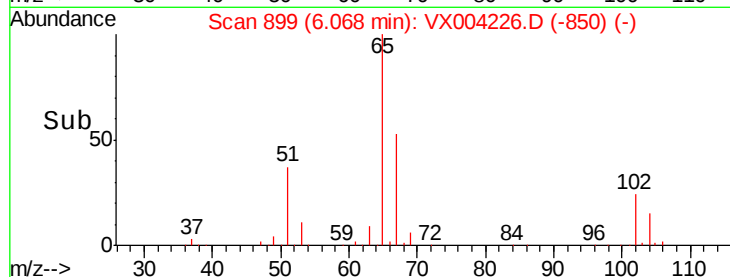
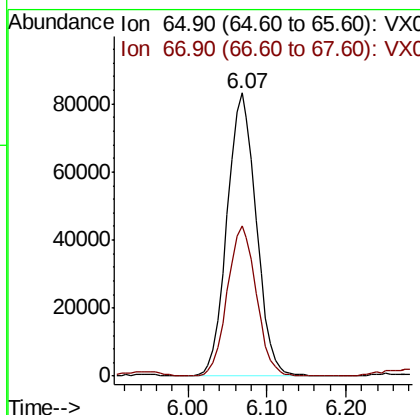
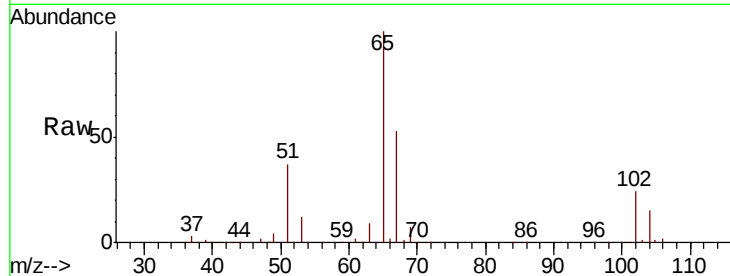
#33
 1,2-Dichloroethane-d4
 Concen: 49.47 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004226.D
 Acq: 23 Aug 2018 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0553

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213056		
67	52.7	0.0	106.8	

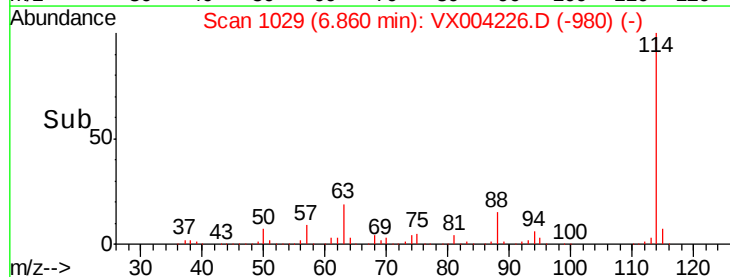
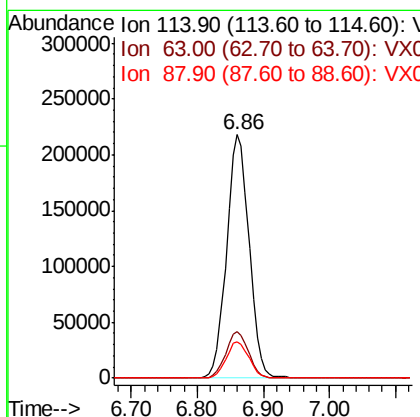
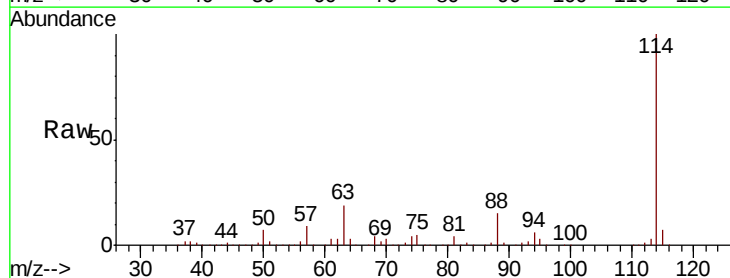
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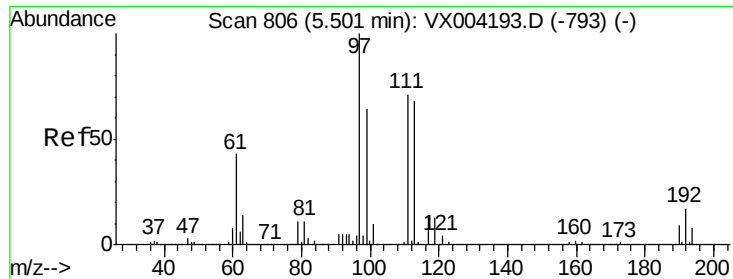
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004226.D
 Acq: 23 Aug 2018 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	512901		
63	19.3	0.0	39.0	
88	15.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.10 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Instrument :

MSVOA_X

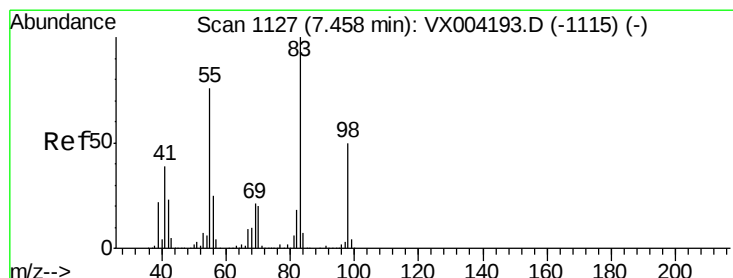
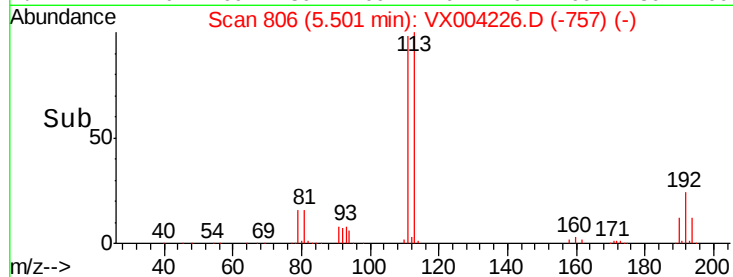
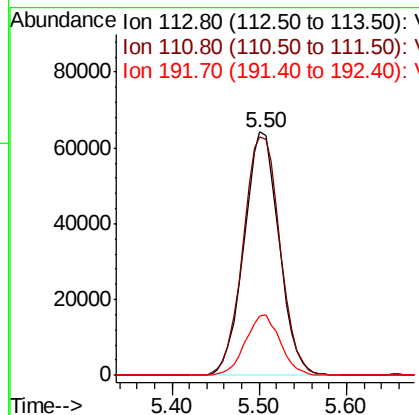
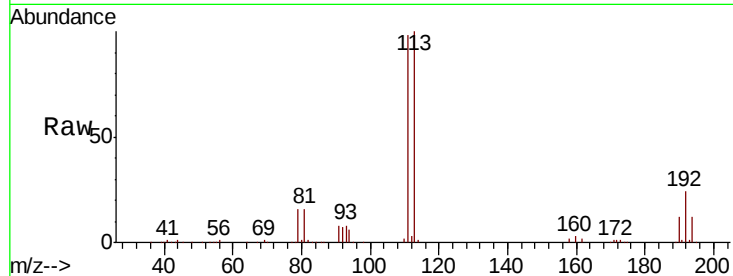
ClientSampleId :

FL-0553

Tot Ion:	113	Resp:	179704
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.4	123.6
192	24.6	19.4	29.2

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#39

Methylcyclohexane

Concen: 62.04 ug/l

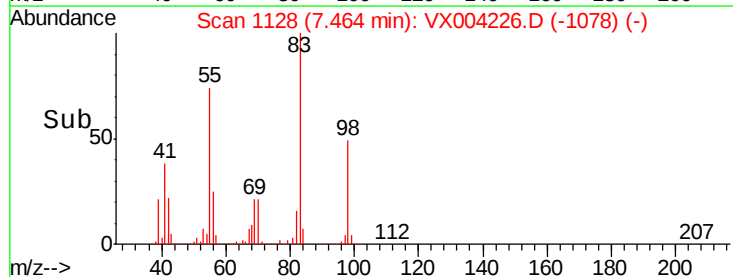
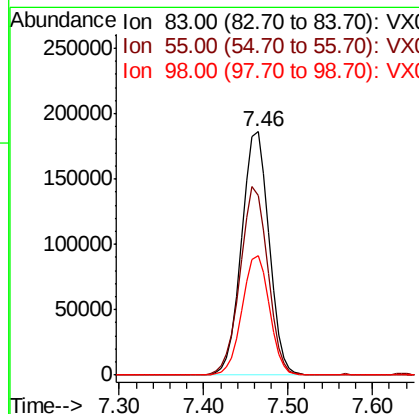
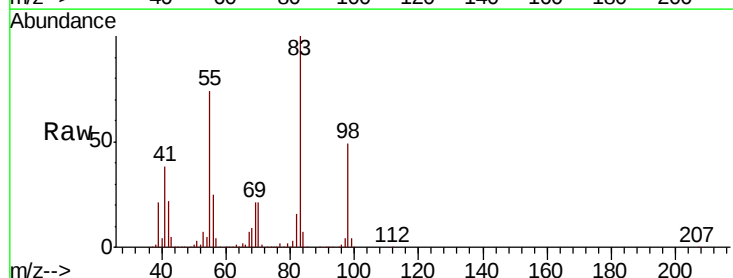
RT: 7.46 min Scan# 1128

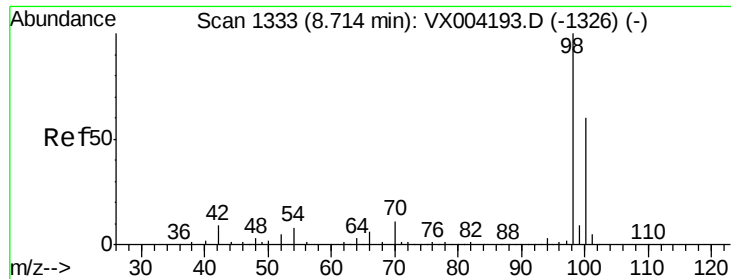
Delta R.T. 0.01 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Tgt Ion:	83	Resp:	408450
Ion Ratio	Lower	Upper	
83	100		
55	73.8	61.0	91.4
98	49.0	39.6	59.4





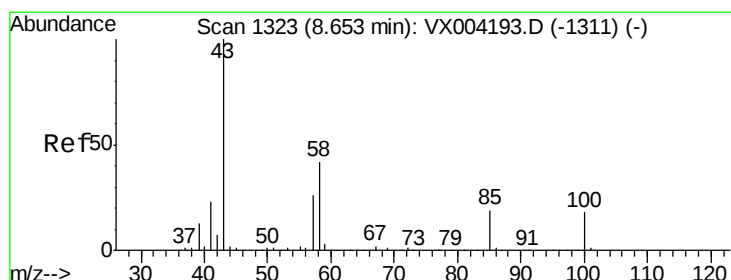
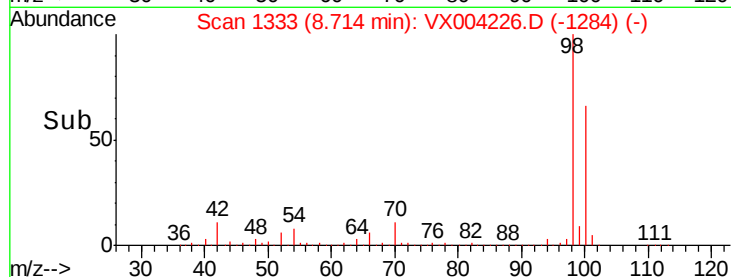
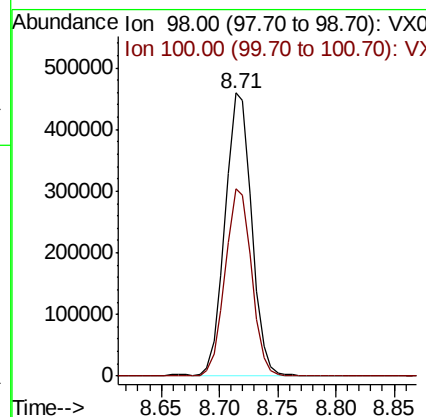
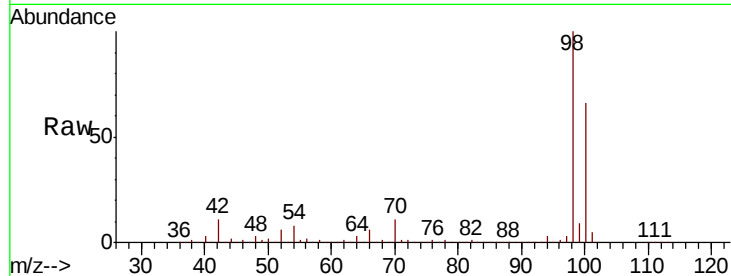
#50
Toluene-d8
Concen: 50.09 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Instrument :
MSVOA_X
ClientSampled :
FL-0553

Tot Ion: 98 Resp: 721433
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3

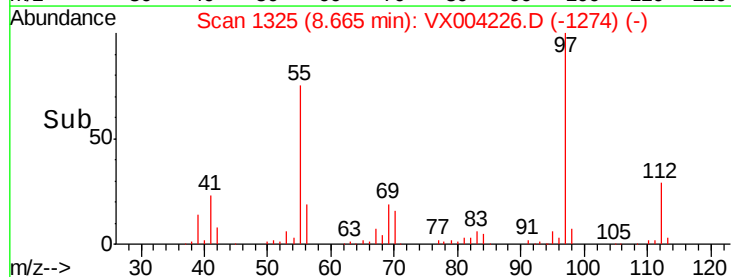
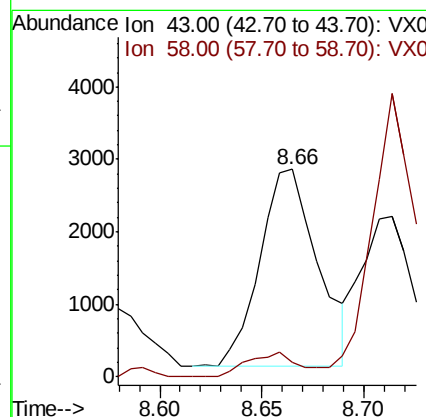
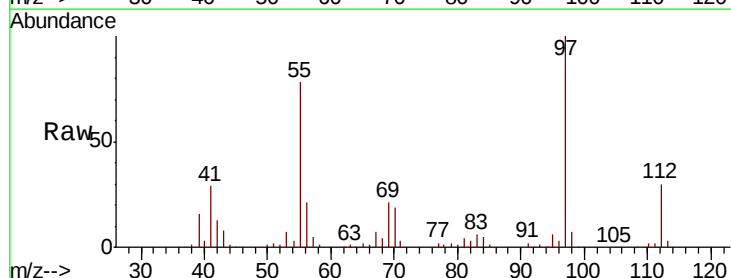
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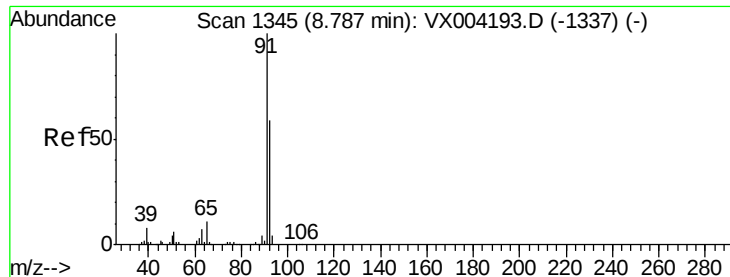
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#51
4-Methyl-2-Pentanone
Concen: 0.84 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Tgt Ion: 43 Resp: 5311
Ion Ratio Lower Upper
43 100
58 11.1 33.1 49.7#





#52

Toluene

Concen: 86.25 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Instrument :

MSVOA_X

ClientSampled :

FL-0553

Tot Ion: 92 Resp: 930225

Ion Ratio Lower Upper

92 100

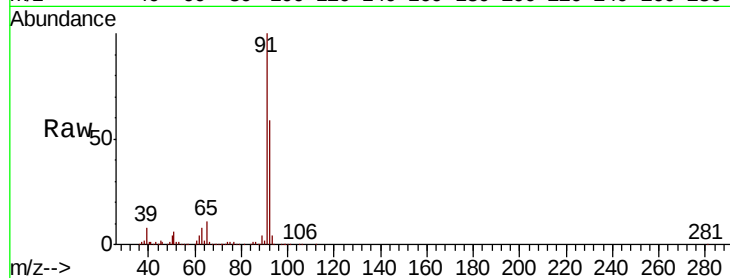
91 170.4 136.4 204.6

Manual Integrations

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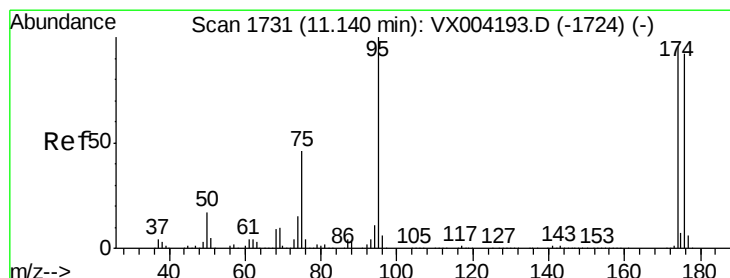
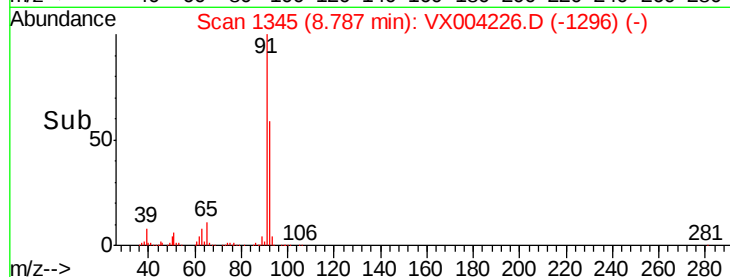
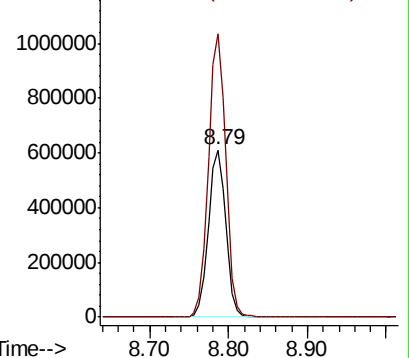
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

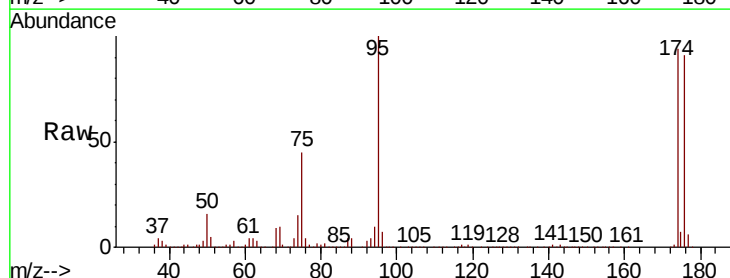
Tgt Ion: 95 Resp: 270434

Ion Ratio Lower Upper

95 100

174 90.1 0.0 185.2

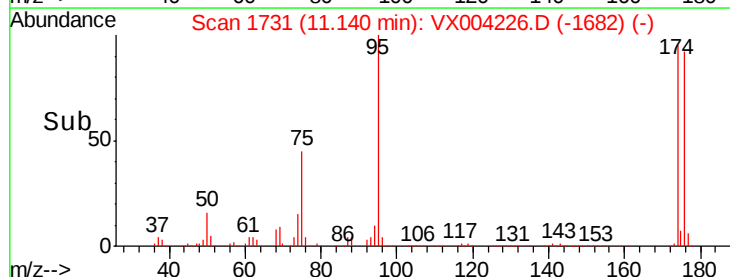
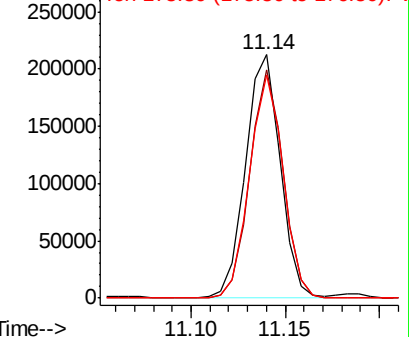
176 89.3 0.0 178.6

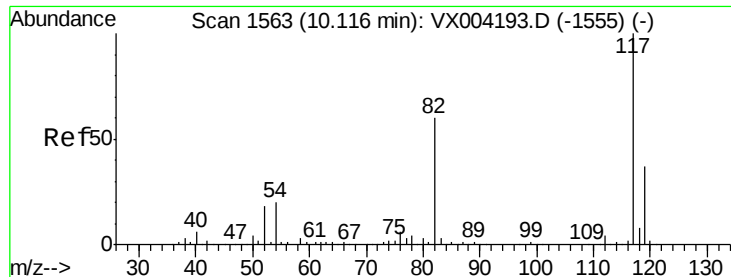


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Instrument :

MSVOA_X

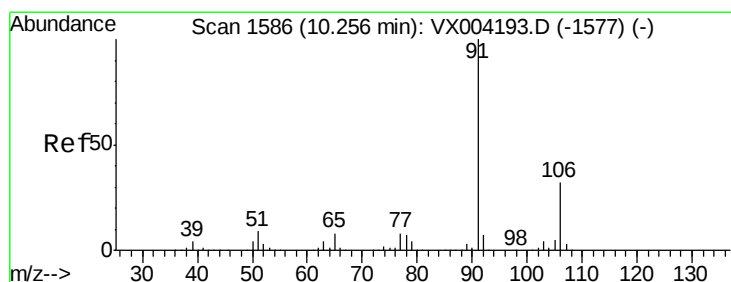
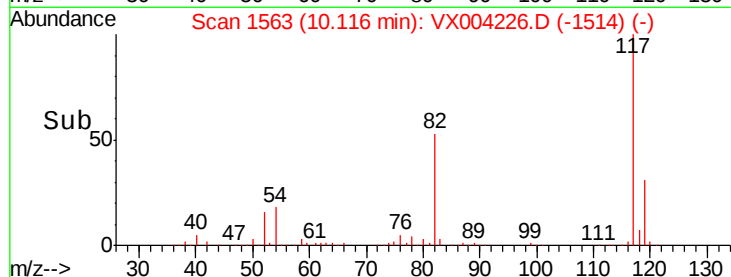
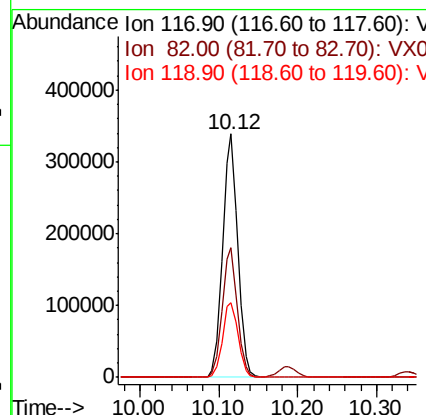
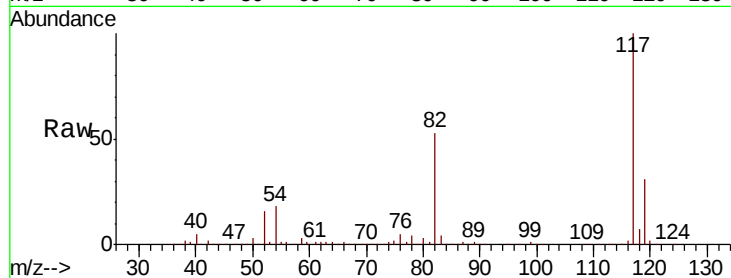
ClientSampled :

FL-0553

Tot Ion:	117	Resp:	452963
Ion Ratio	Lower	Upper	
117	100		
82	53.0	47.8	71.6
119	30.5	29.3	43.9

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#67

Ethyl Benzene

Concen: 328.37 ug/l

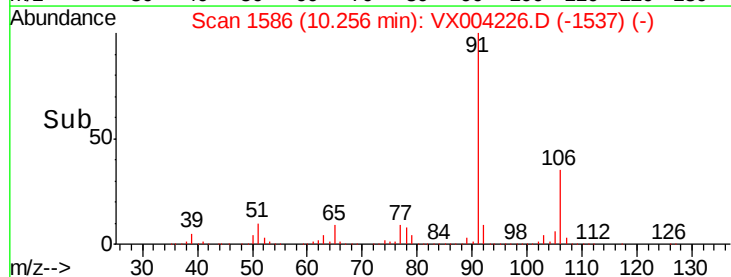
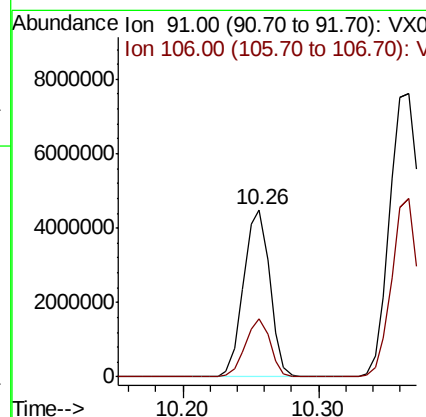
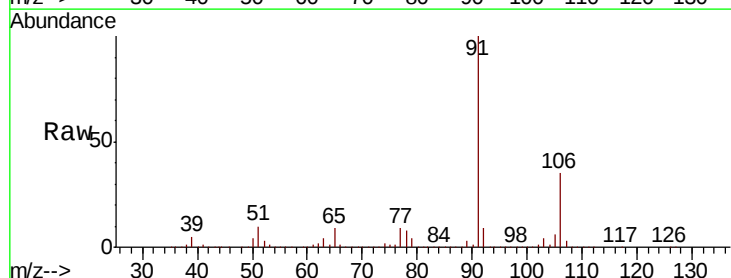
RT: 10.26 min Scan# 1586

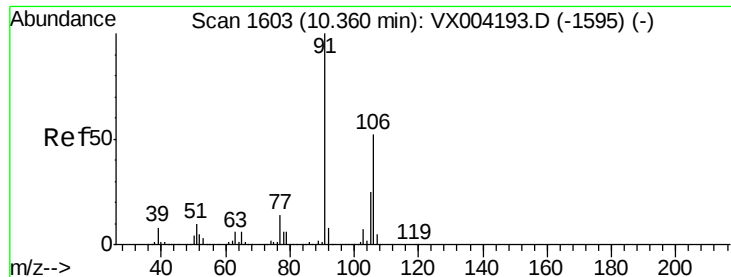
Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Tgt Ion:	91	Resp:	6062517
Ion Ratio	Lower	Upper	
91	100		
106	34.9	25.9	38.9





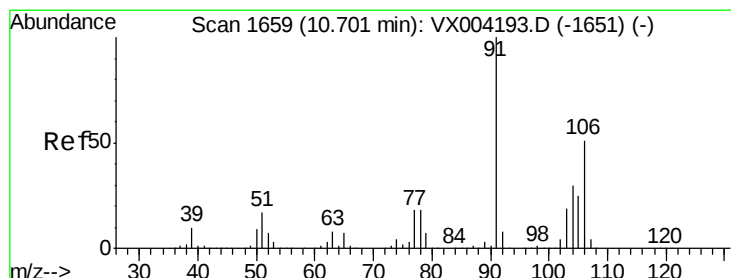
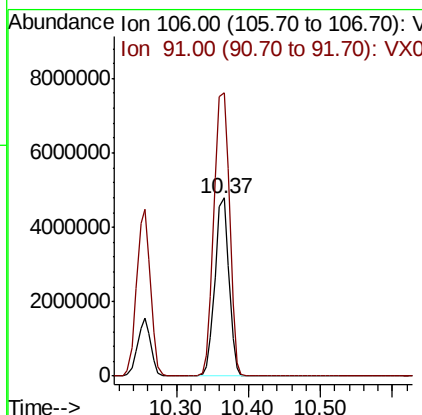
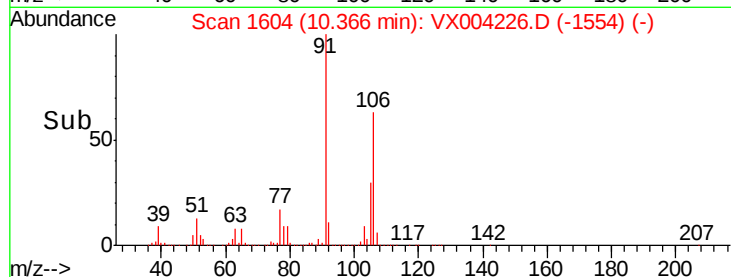
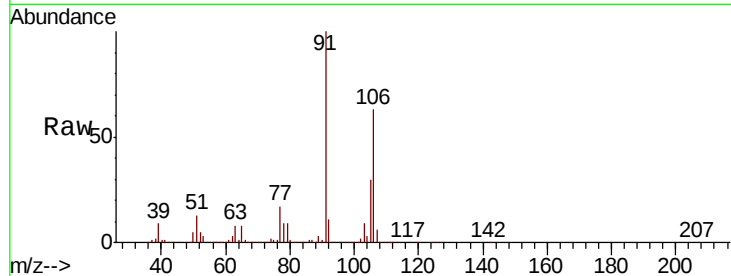
#68
m/p-Xvlenes
Concen: 892.58 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Instrument :
MSVOA_X
ClientSampled :
FL-0553

Tot Ion:106 Resp: 6443659
Ion Ratio Lower Upper
106 100
91 177.3 157.1 235.7

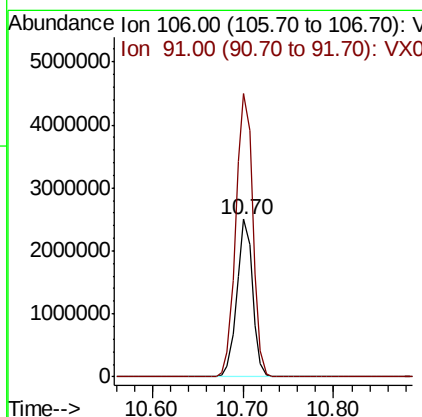
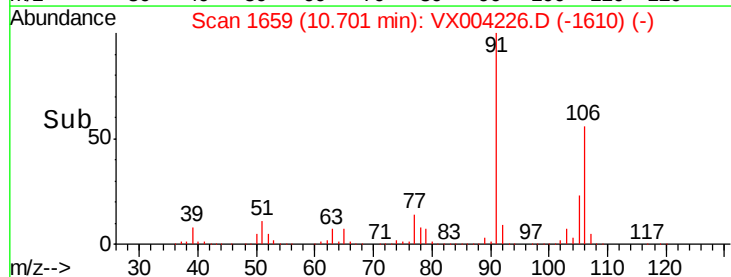
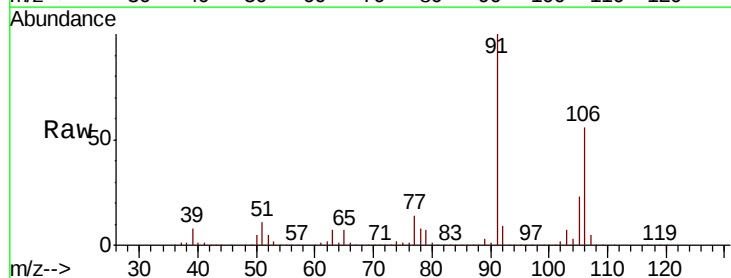
Manual Integrations
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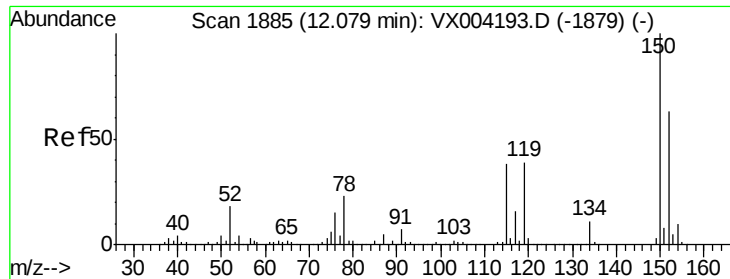
MMDadoda
8/24/2018 11:35:38 AM



#69
o-Xylene
Concen: 436.21 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Tgt Ion:106 Resp: 2978743
Ion Ratio Lower Upper
106 100
91 195.7 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Instrument :

MSVOA_X

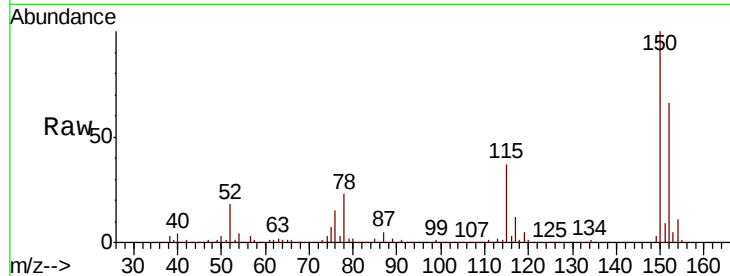
ClientSampled :

FL-0553

Tot Ion	Ratio	Resp	Lower	Upper
152	100	290150		
115	57.2	39.0	117.0	
150	155.1	0.0	351.0	

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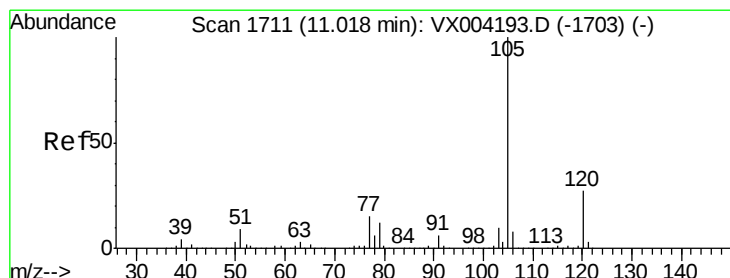
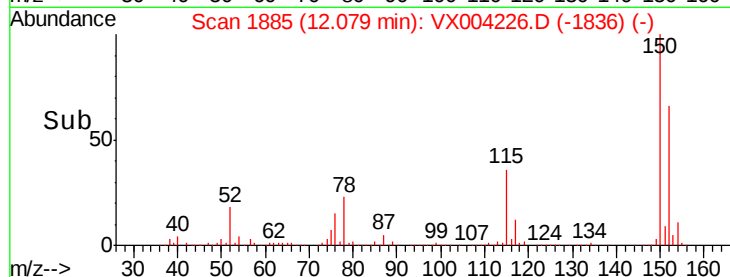
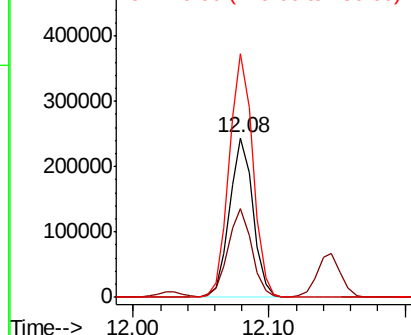


Abundance

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: 34.42 ug/l

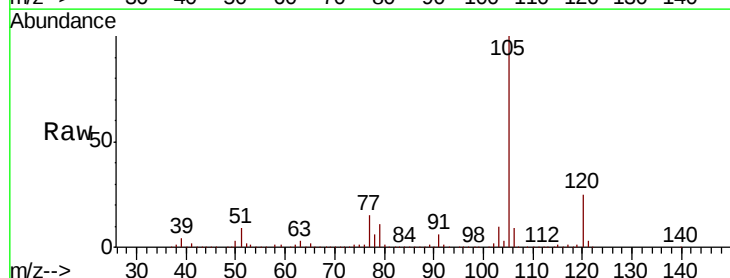
RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

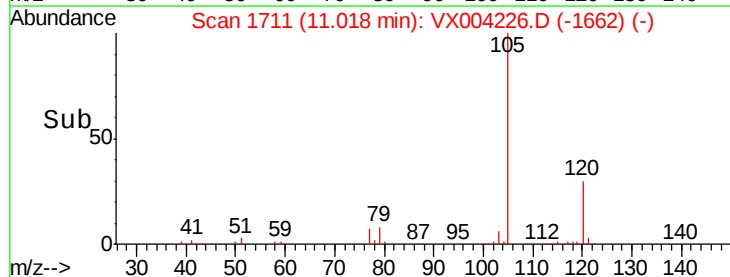
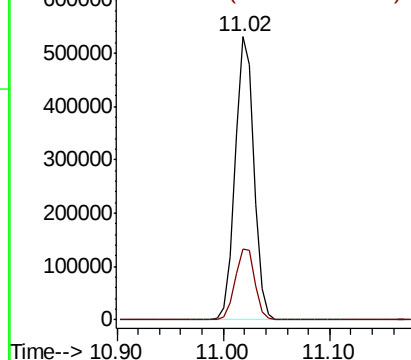
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	655922		
120	26.3	13.5	40.4	

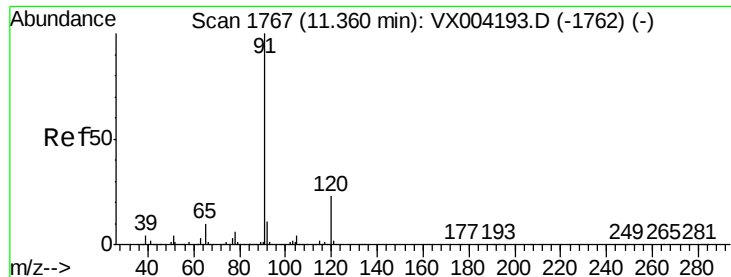


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 41.64 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004226.D

Acq: 23 Aug 2018 15:00

Instrument :

MSVOA_X

ClientSampled :

FL-0553

Tot Ion: 91 Resp: 912560

Ion Ratio Lower Upper

91 100

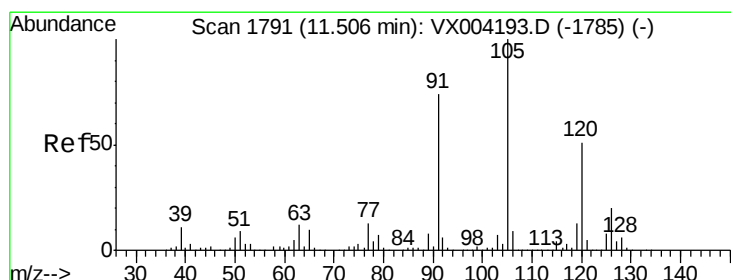
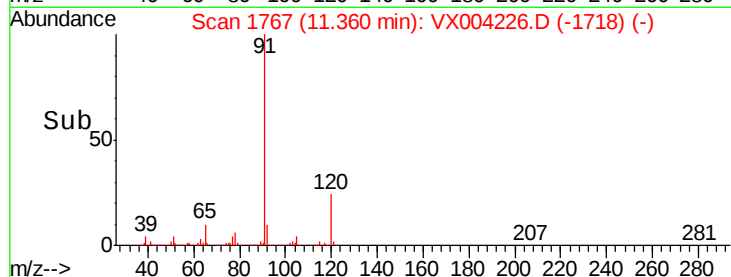
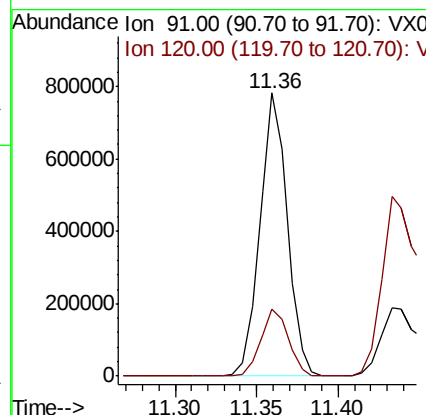
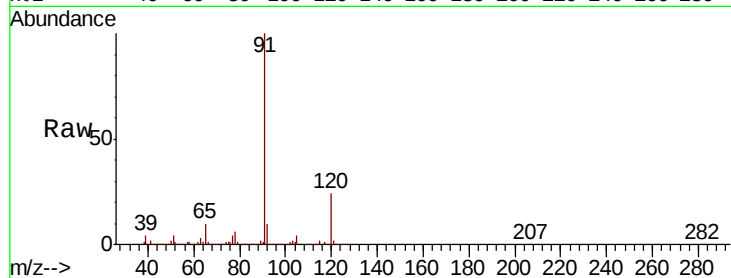
120 23.9 11.9 35.9

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#80

1,3,5-Trimethylbenzene

Concen: 63.10 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004226.D

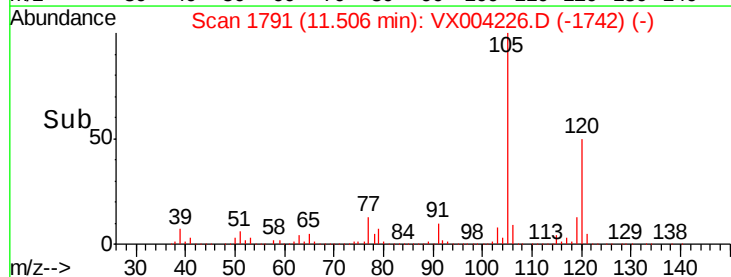
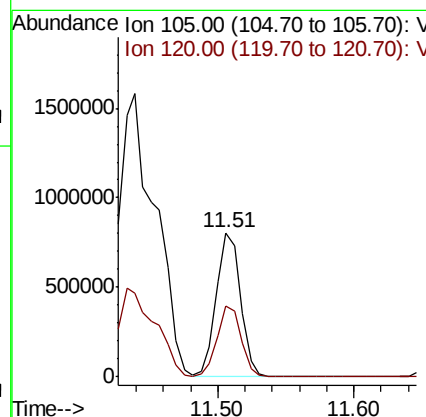
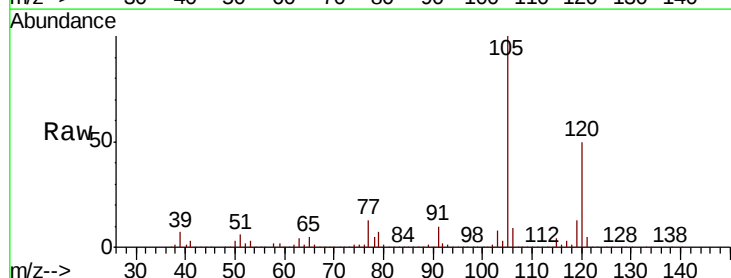
Acq: 23 Aug 2018 15:00

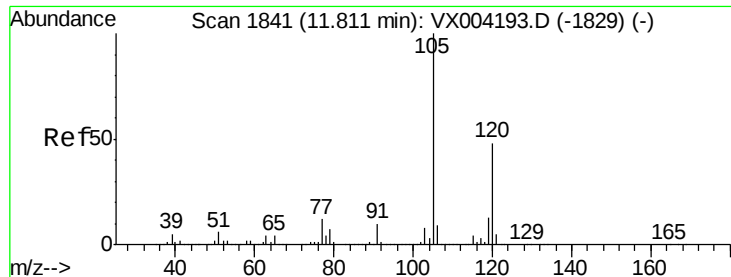
Tgt Ion: 105 Resp: 995831

Ion Ratio Lower Upper

105 100

120 49.2 25.6 76.8





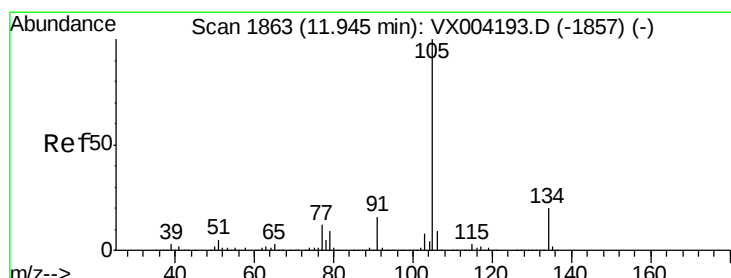
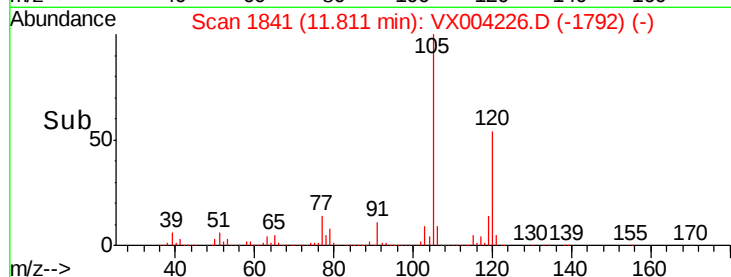
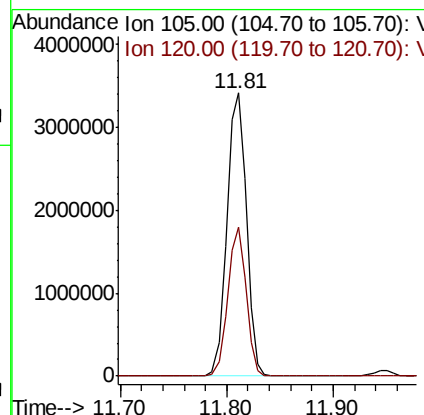
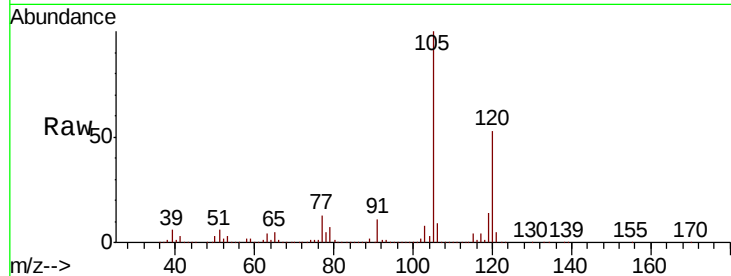
#84
1,2,4-Trimethylbenzene
Concen: 269.37 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Instrument :
MSVOA_X
ClientSampleId :
FL-0553

Tot Ion:105 Resp: 4363742
Ion Ratio Lower Upper
105 100
120 49.8 23.2 69.6

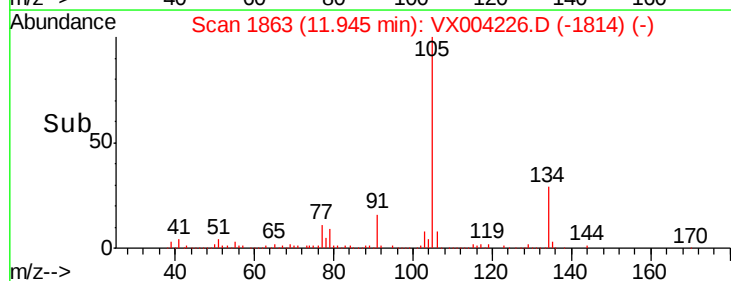
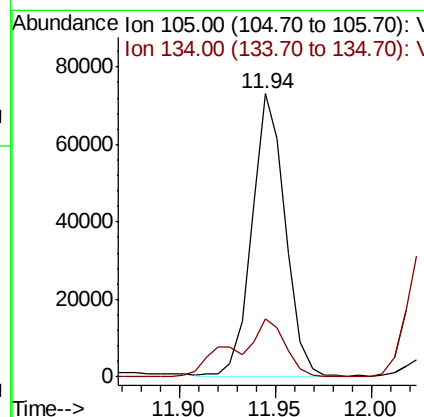
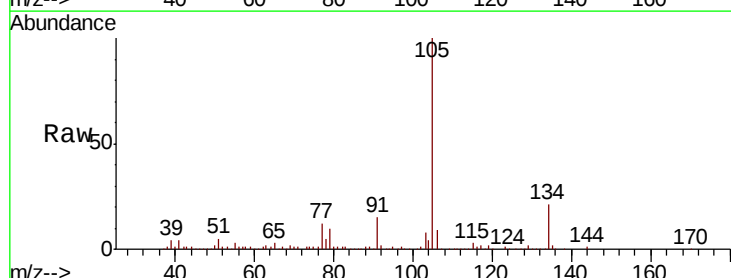
Manual Integrations
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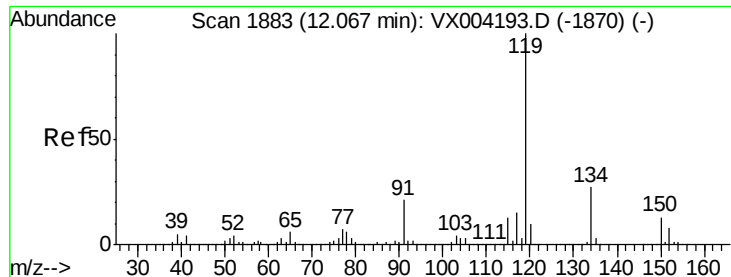
MMDadoda
8/24/2018 11:35:38 AM



#85
sec-Butylbenzene
Concen: 4.72 ug/l m
RT: 11.94 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Tgt Ion:105 Resp: 88962
Ion Ratio Lower Upper
105 100
134 0.0 10.5 31.5#





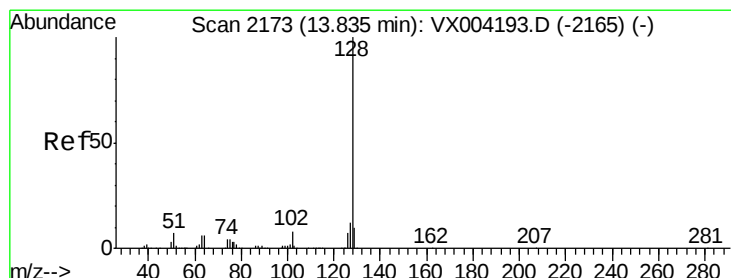
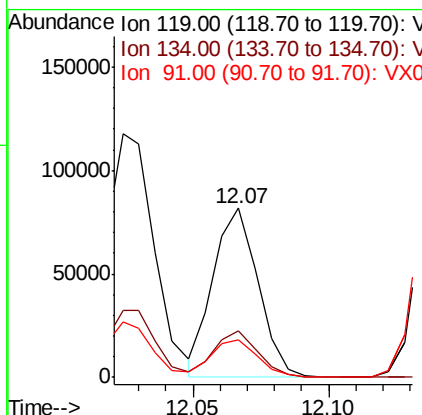
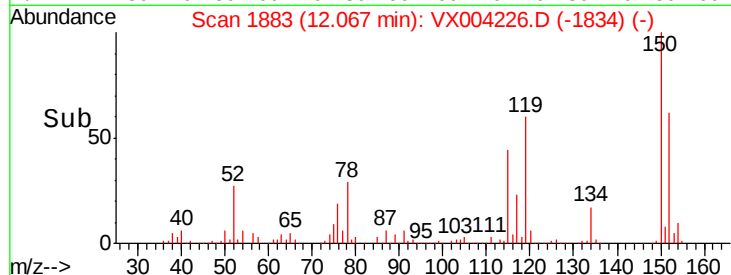
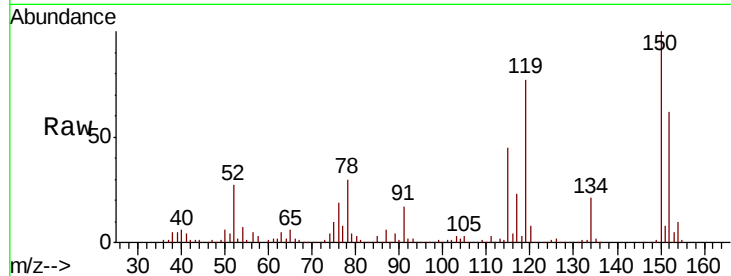
#86
p-Isopropyltoluene
Concen: 5.55 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Instrument :
MSVOA_X
ClientSampleID :
FL-0553

Tot Ion	Ratio	Resp	Lower	Upper
119	100	93716		
134	27.0		13.4	40.2
91	22.3		10.9	32.7

Manual Integrations
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#95
Naphthalene
Concen: 96.97 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004226.D
Acq: 23 Aug 2018 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1835727		
127	13.1		10.2	15.2
129	10.9		8.6	12.8

