

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004207.D
 Acq On : 22 Aug 2018 19:03
 Operator : JC/MD
 Sample : J4579-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0541

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:33 AM

Quant Time: Aug 23 09:34:30 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	309761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476272	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260200	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	202105	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
35) Dibromofluoromethane	5.50	113	173226	48.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	677508	50.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.14	95	238271	47.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	1630896	288.12	ug/l	99
39) Methylcyclohexane	7.46	83	1050879	171.90	ug/l	99
40) Benzene	6.15	78	23601	1.48	ug/l	96
52) Toluene	8.79	92	65981	6.59	ug/l	100
67) Ethyl Benzene	10.26	91	4329941	255.48	ug/l	98
68) m/p-Xylenes	10.37	106	3480920	525.25	ug/l	94
69) o-Xylene	10.70	106	1582623	252.46	ug/l	99
73) Isopropylbenzene	11.02	105	323233	18.91	ug/l	98
78) n-propylbenzene	11.36	91	497817	25.33	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	764749	54.04	ug/l	99
83) tert-Butylbenzene	11.77	119	31889	2.24	ug/l	86
84) 1,2,4-Trimethylbenzene	11.81	105	3189798	219.57	ug/l	98
85) sec-Butylbenzene	11.94	105	51978m	3.07	ug/l	
86) p-Isopropyltoluene	12.07	119	48985	3.23	ug/l	96
89) n-Butylbenzene	12.39	91	97314	7.90	ug/l #	36
95) Naphthalene	13.83	128	1741103	102.56	ug/l	100

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

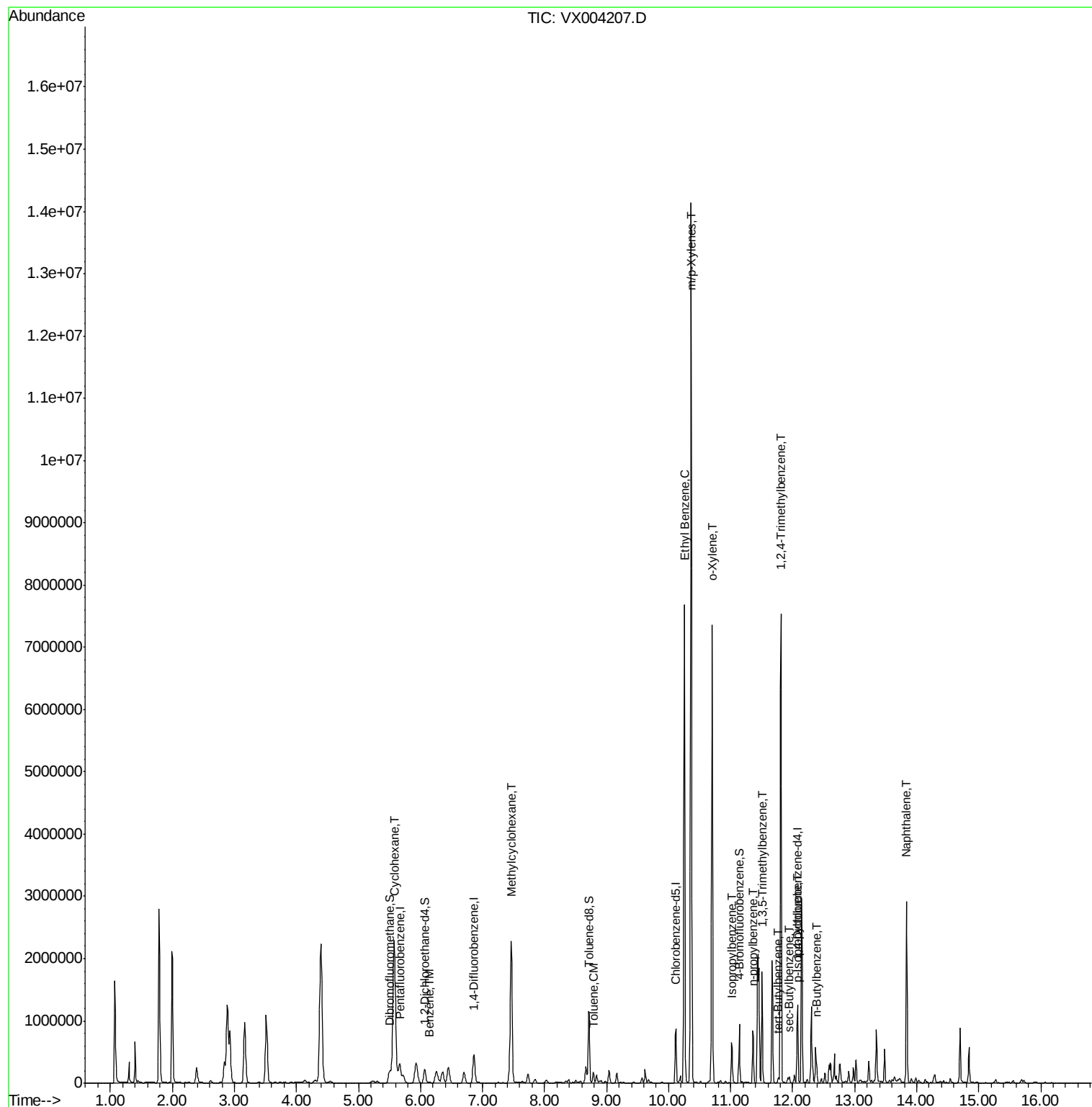
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
Data File : VX004207.D
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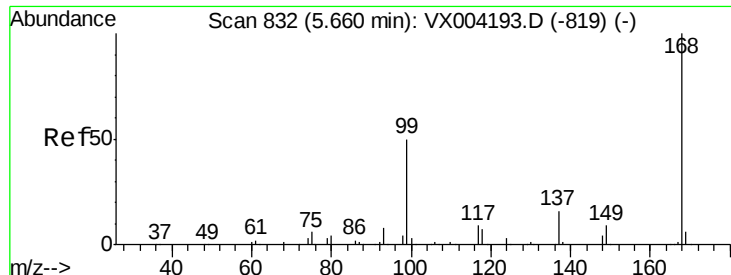
Instrument :
MSVOA_X
ClientSampleId :
FL-0541

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Quant Time: Aug 23 09:34:30 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0541

Tot Ion:168 Resp: 309761

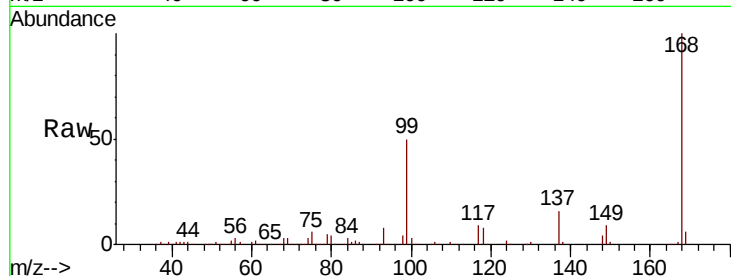
Ion Ratio Lower Upper

168 100

99 50.0 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

5.67

120000

100000

80000

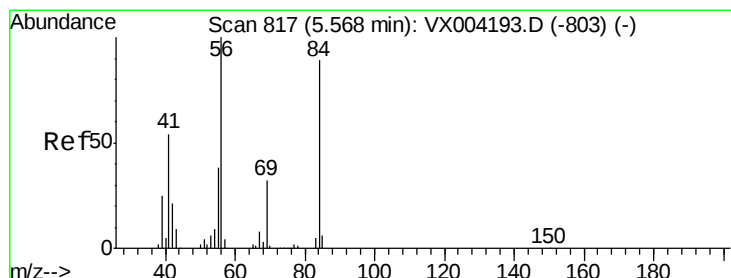
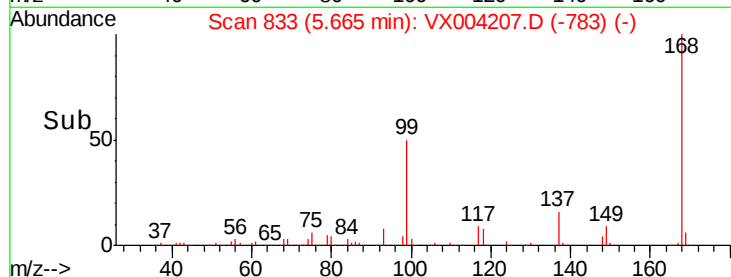
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 288.12 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

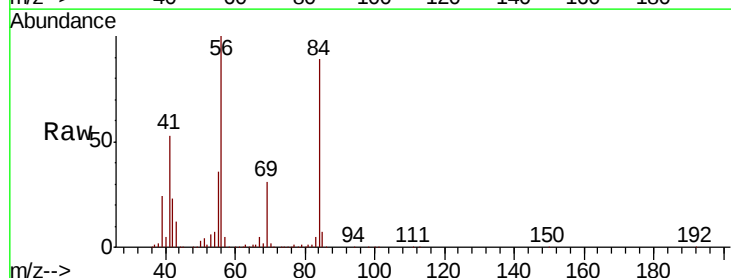
Tgt Ion: 56 Resp: 1630896

Ion Ratio Lower Upper

56 100

69 30.5 25.4 38.2

84 89.2 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

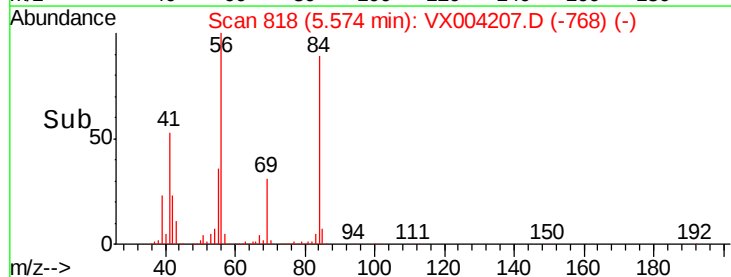
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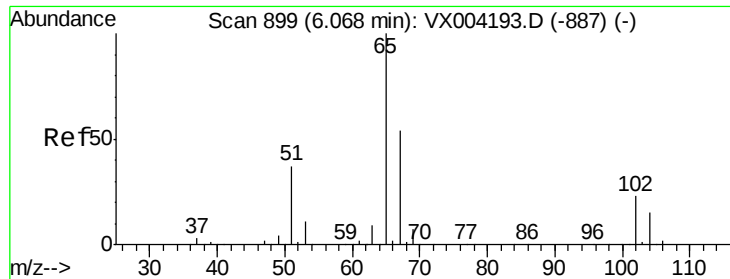
400000

200000

0

Time--> 5.40 5.50 5.60 5.70





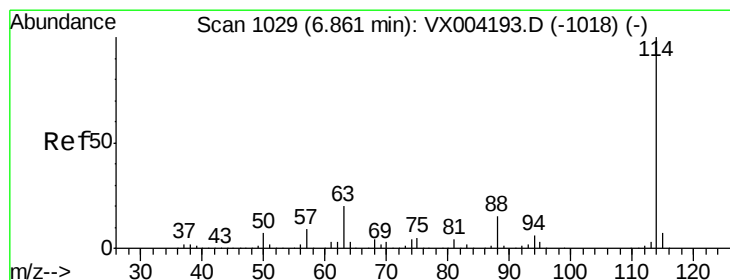
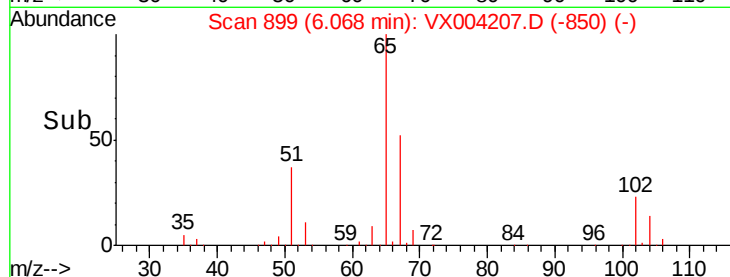
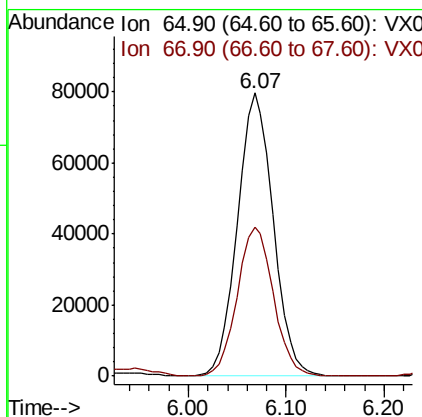
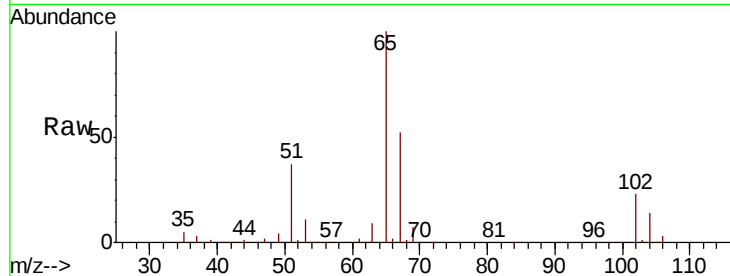
#33
 1,2-Dichloroethane-d4
 Concen: 50.06 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0541

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202105		
67	52.9	0.0	106.8	

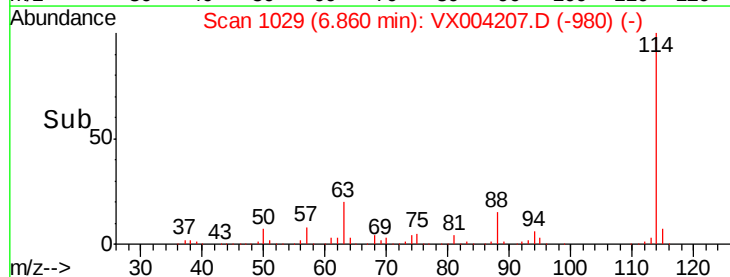
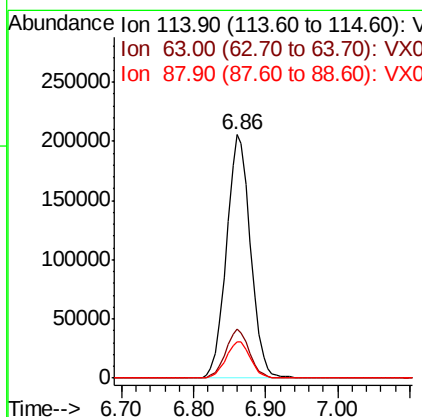
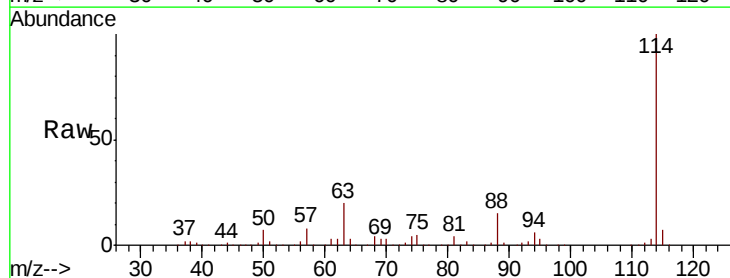
Manual Integrations
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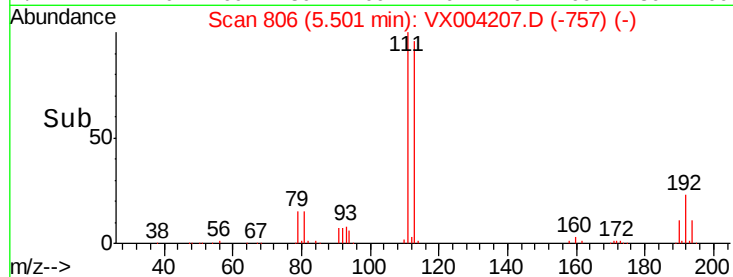
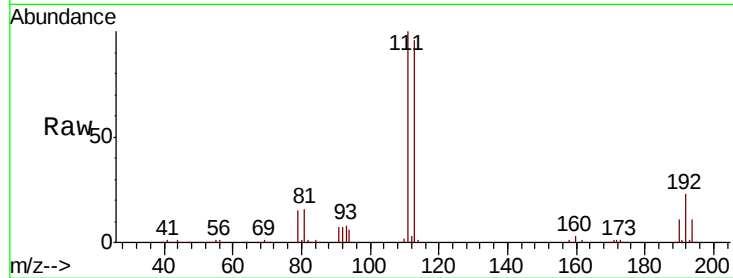
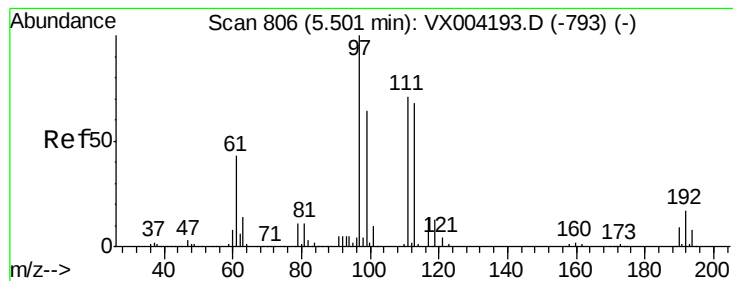
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476272		
63	20.0	0.0	39.0	
88	15.2	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.89 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Tot Ion:	113	Resp:	173226
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	23.7	19.4	29.2

Instrument :

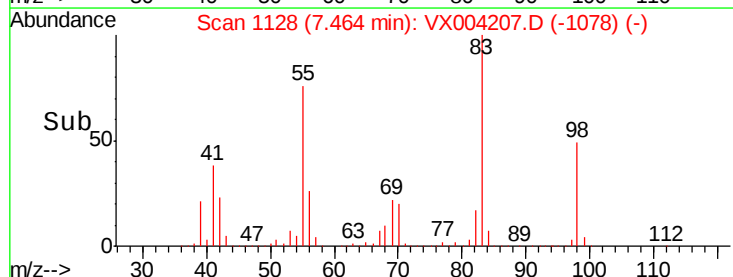
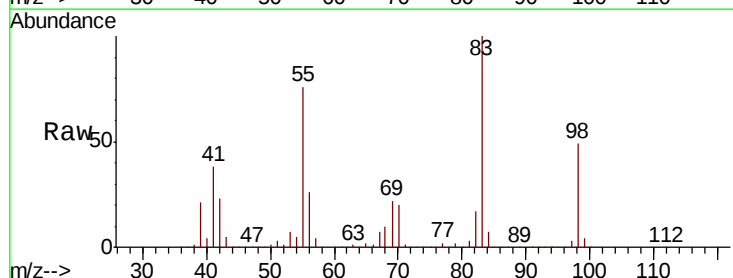
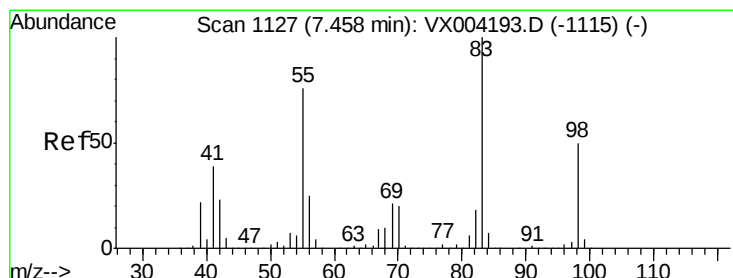
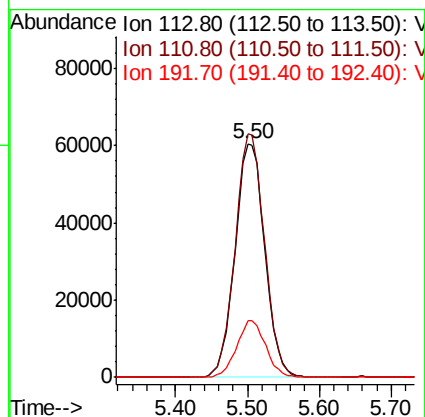
MSVOA_X

ClientSampleId :

FL-0541

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#39

Methylcyclohexane

Concen: 171.90 ug/l

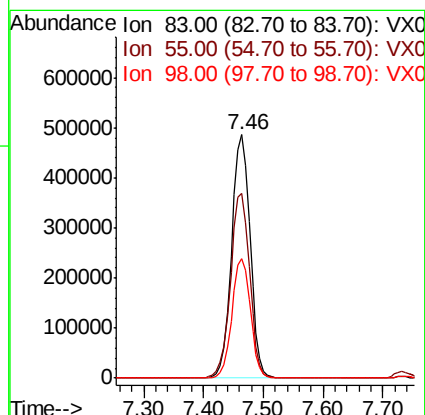
RT: 7.46 min Scan# 1128

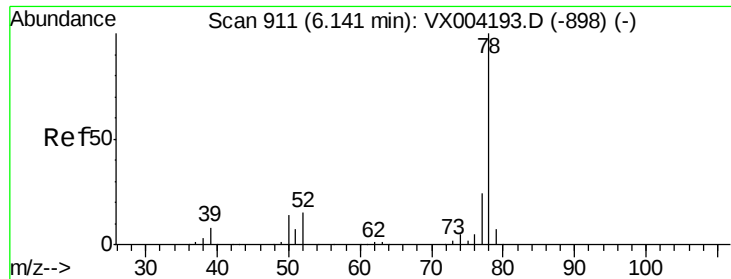
Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Tgt Ion:	83	Resp:	1050879
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.4
98	48.9	39.6	59.4





#40

Benzene

Concen: 1.48 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

Tot Ion: 78 Resp: 23601

Ion Ratio Lower Upper

78 100

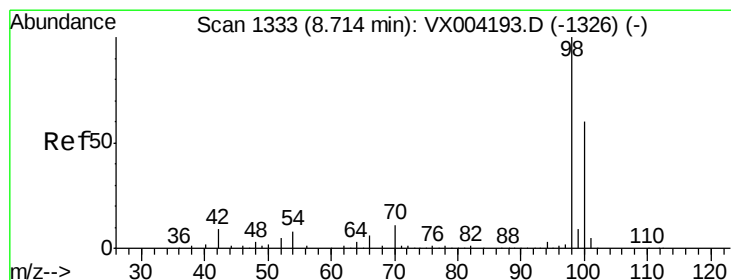
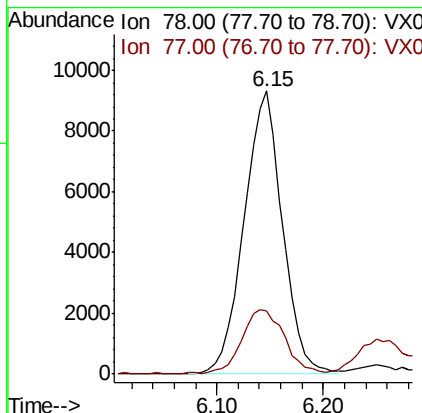
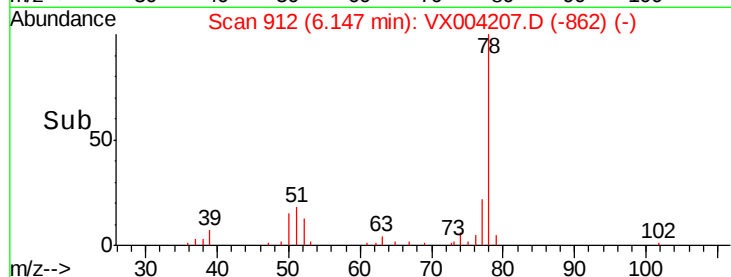
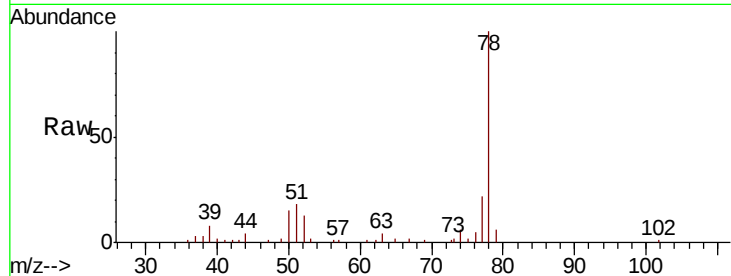
77 21.6 19.0 28.4

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#50

Toluene-d8

Concen: 50.66 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004207.D

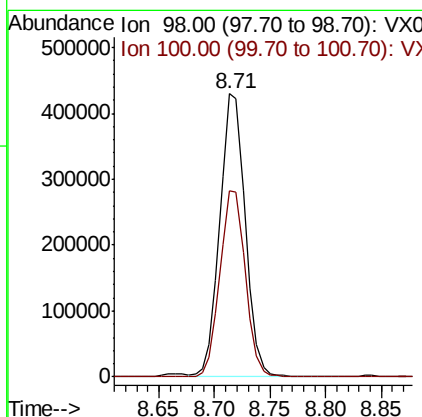
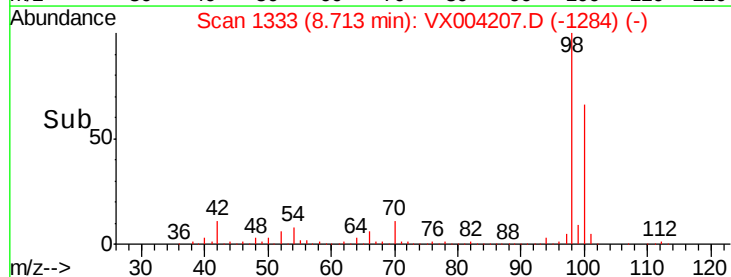
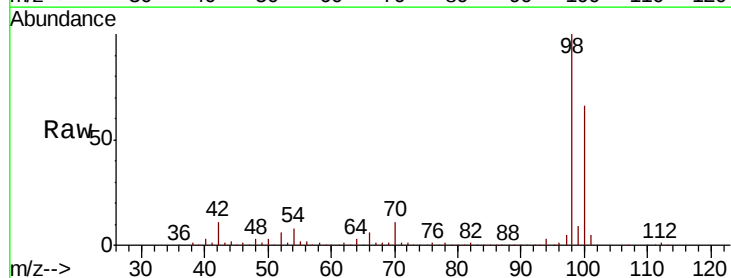
Acq: 22 Aug 2018 19:03

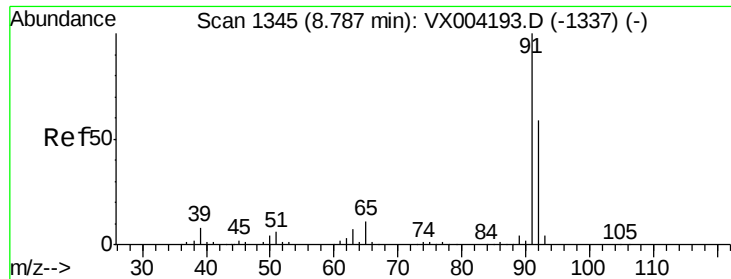
Tgt Ion: 98 Resp: 677508

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3





#52

Toluene

Concen: 6.59 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0541

Tot Ion: 92 Resp: 65981

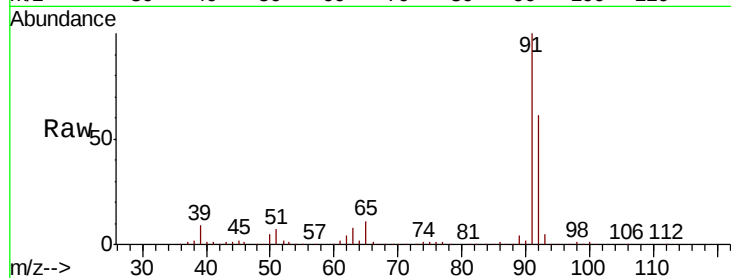
Ion Ratio Lower Upper

92 100

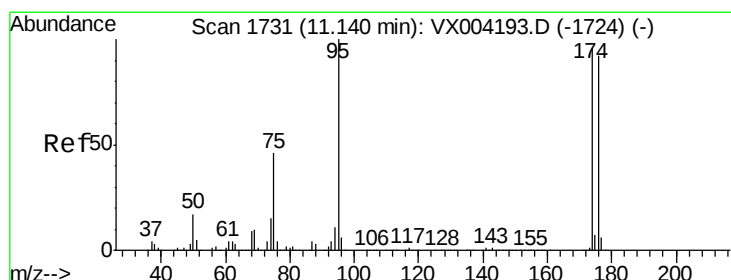
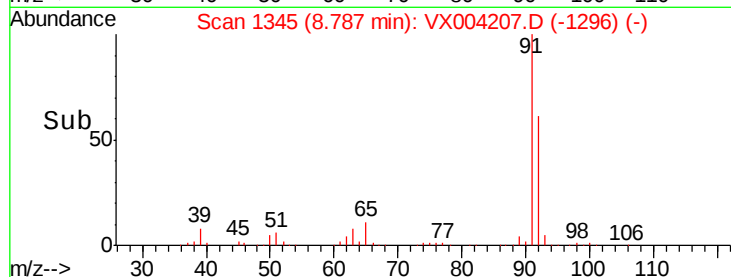
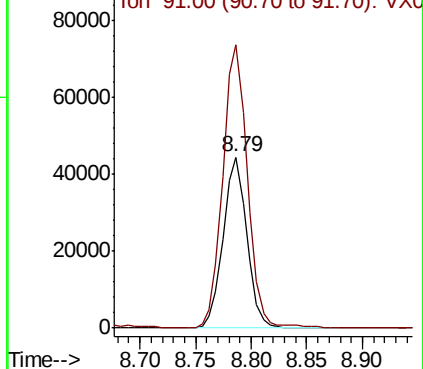
91 170.7 136.4 204.6

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Abundance Ion 92.00 (91.70 to 92.70): VX004207.D (-1296) (-)



#62

4-Bromofluorobenzene

Concen: 47.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

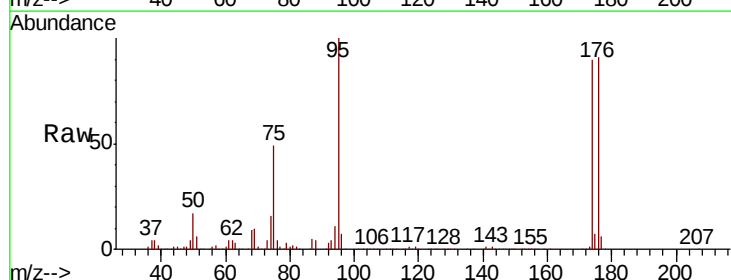
Tgt Ion: 95 Resp: 238271

Ion Ratio Lower Upper

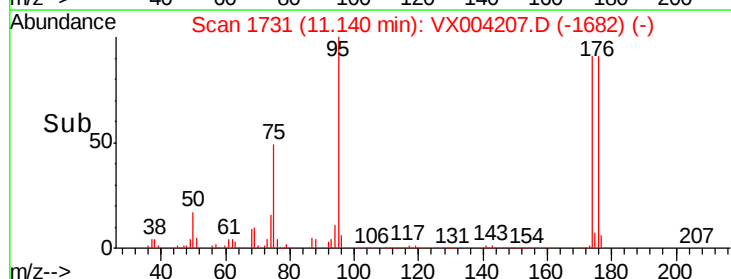
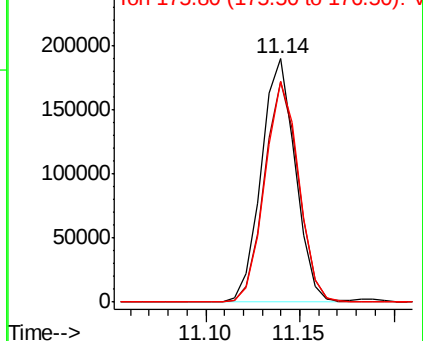
95 100

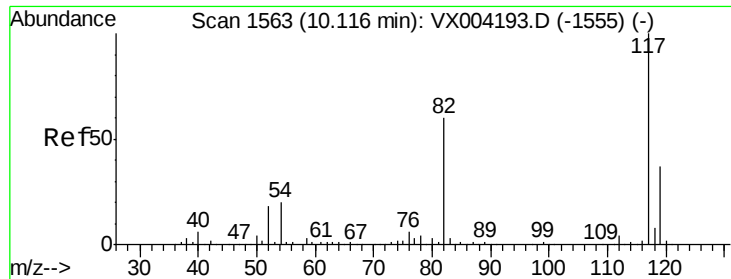
174 90.7 0.0 185.2

176 90.2 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004207.D (-1682) (-)





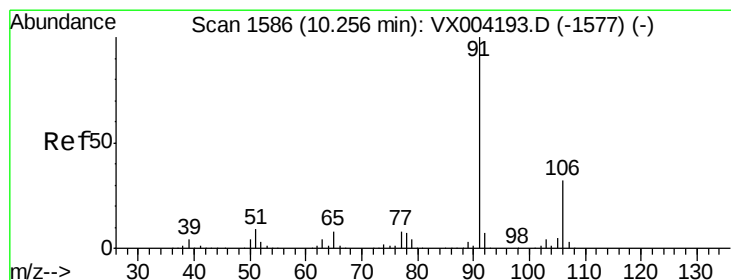
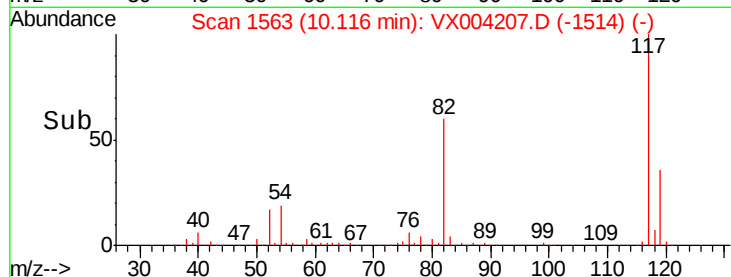
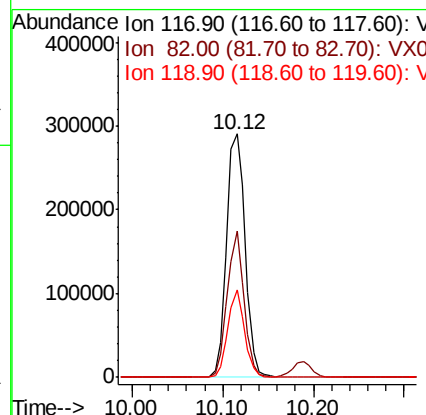
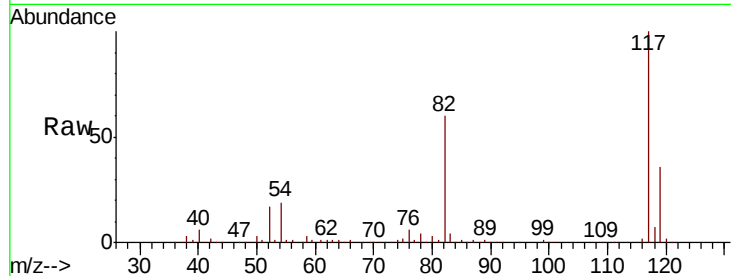
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.8	71.6
119	35.9	29.3	43.9

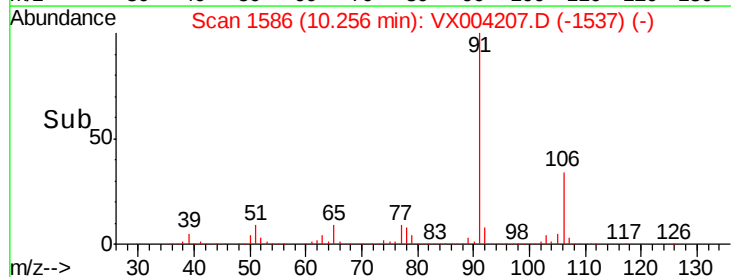
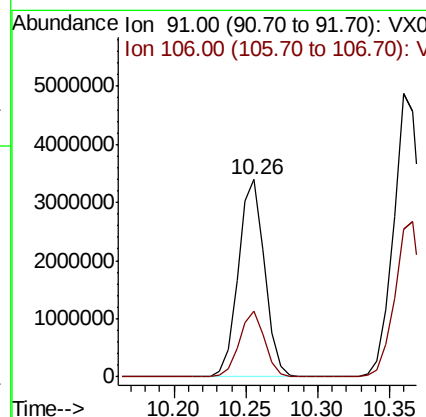
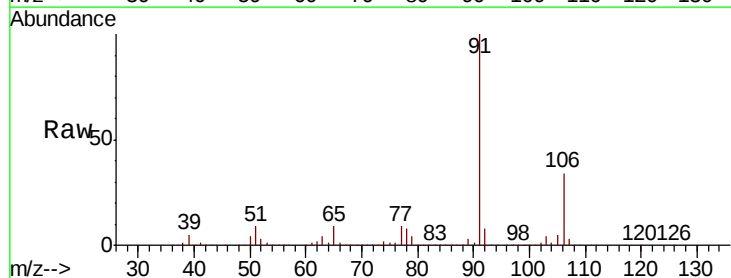
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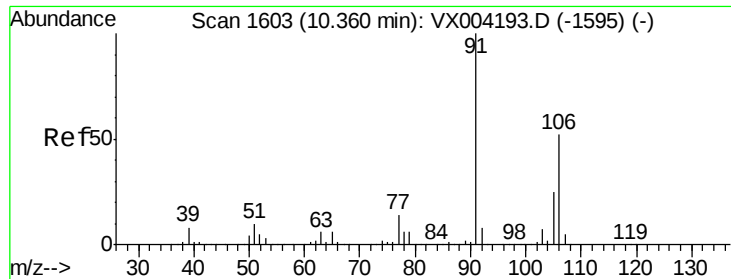
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#67
Ethyl Benzene
Concen: 255.48 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.9	38.9





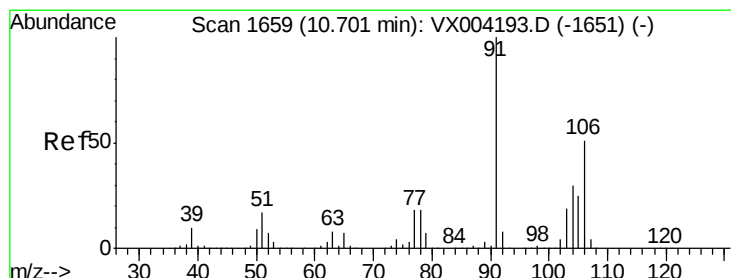
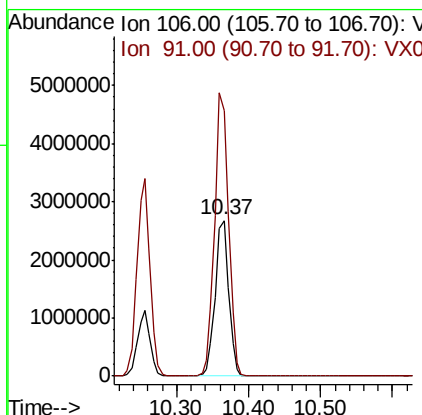
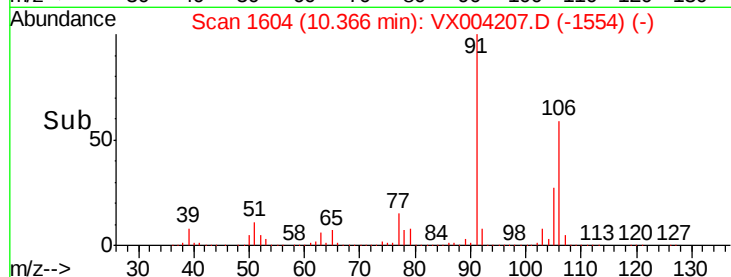
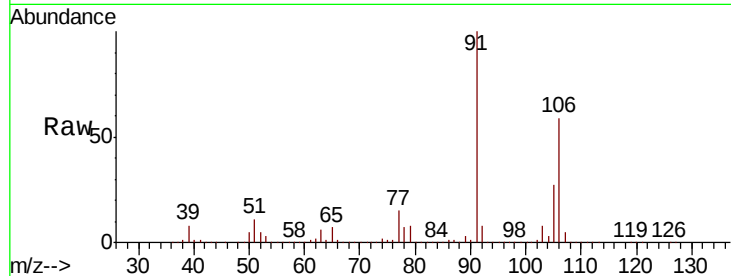
#68
m/p-Xvlenes
Concen: 525.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampled :
FL-0541

Tot Ion:106 Resp: 3480920
Ion Ratio Lower Upper
106 100
91 187.7 157.1 235.7

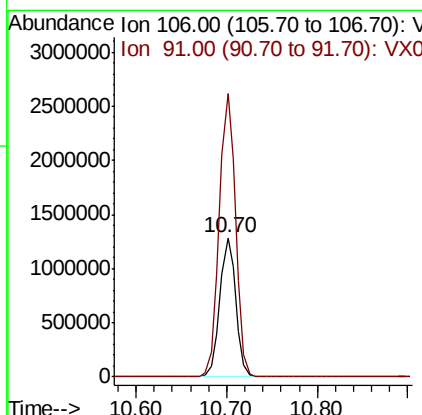
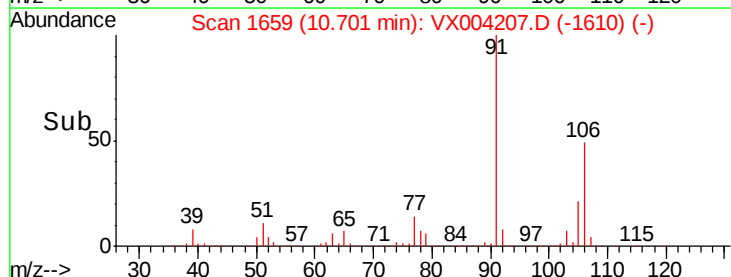
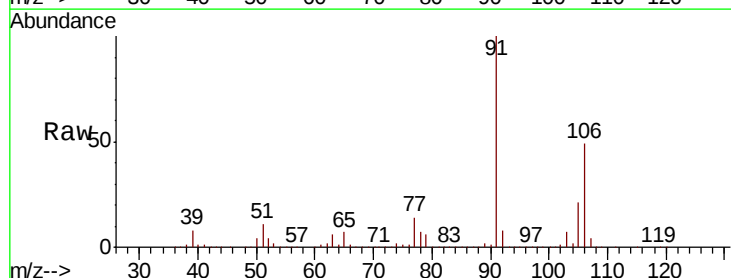
Manual Integrations
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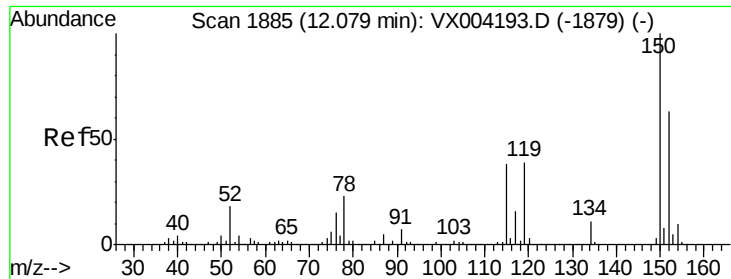
MMDadoda
8/23/2018 9:40:33 AM



#69
o-Xylene
Concen: 252.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion:106 Resp: 1582623
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: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

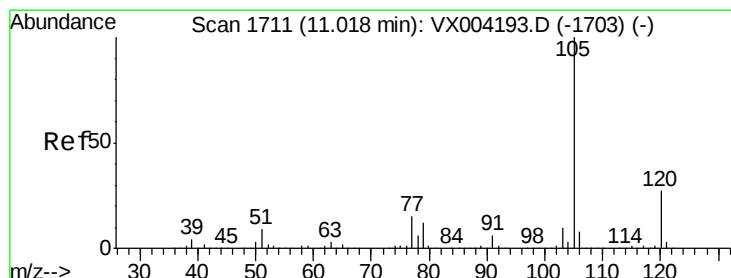
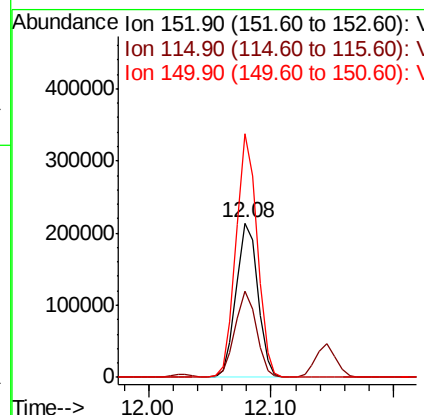
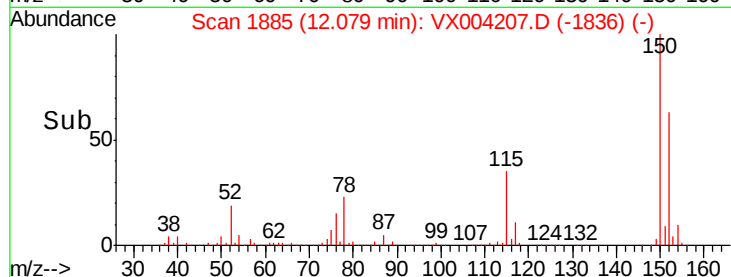
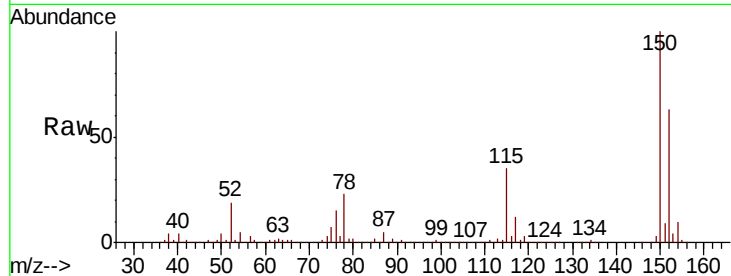
ClientSampled :

FL-0541

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.0	117.0
150	154.4	0.0	351.0

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#73

Isopropylbenzene

Concen: 18.91 ug/l

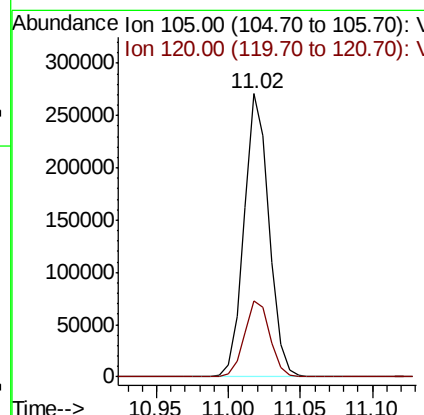
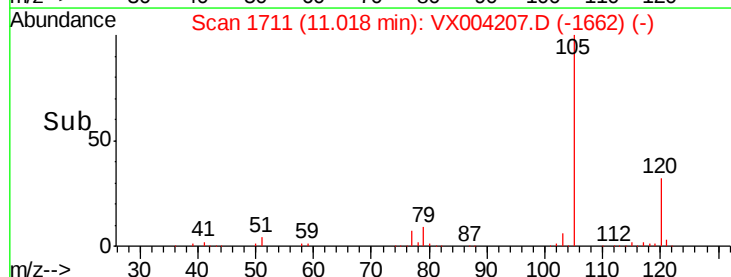
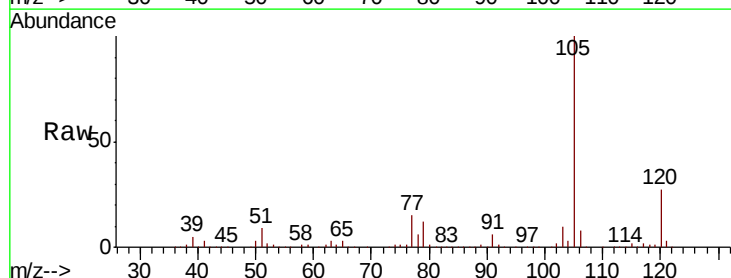
RT: 11.02 min Scan# 1711

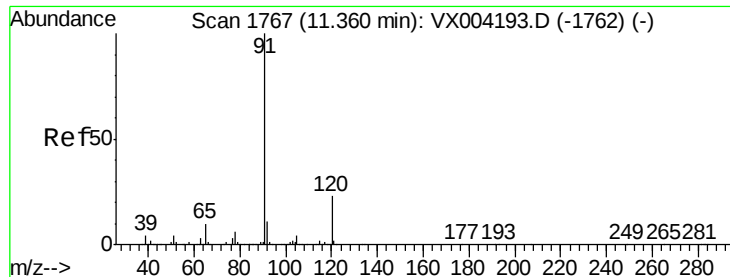
Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.5	40.4





#78

n-propylbenzene

Concen: 25.33 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0541

Tot Ion: 91 Resp: 497817

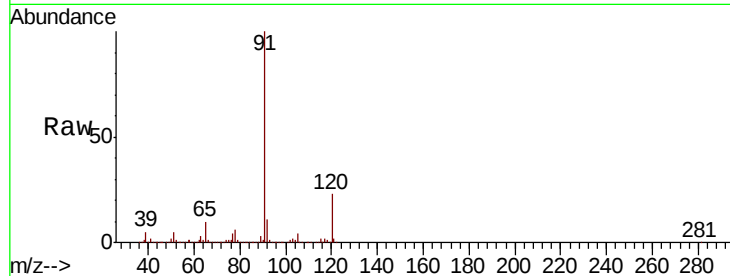
Ion Ratio Lower Upper

91 100

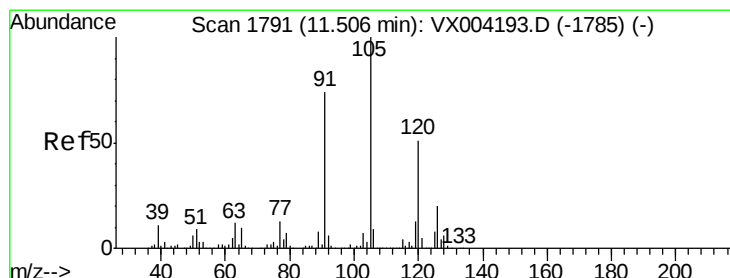
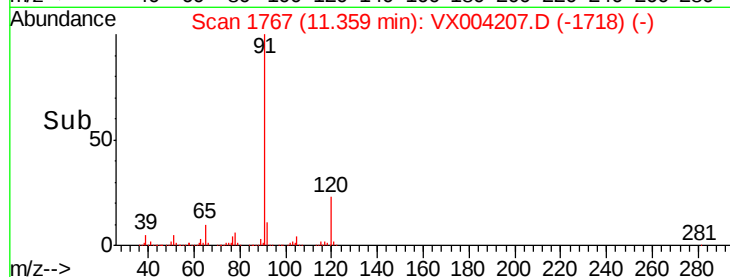
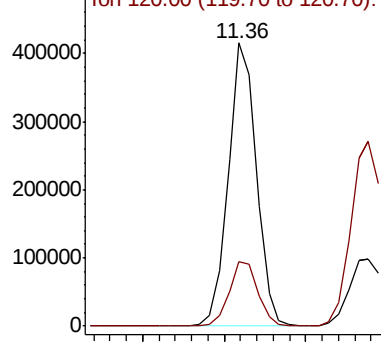
120 23.3 11.9 35.9

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1762) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.04 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004207.D

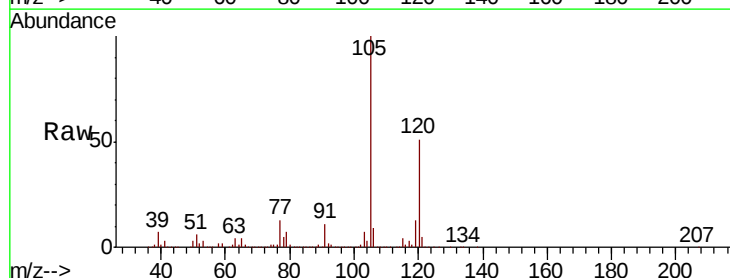
Acq: 22 Aug 2018 19:03

Tgt Ion: 105 Resp: 764749

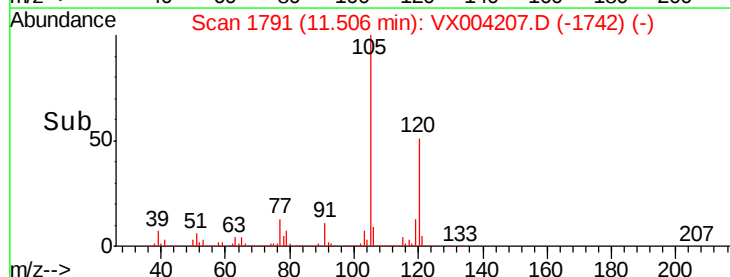
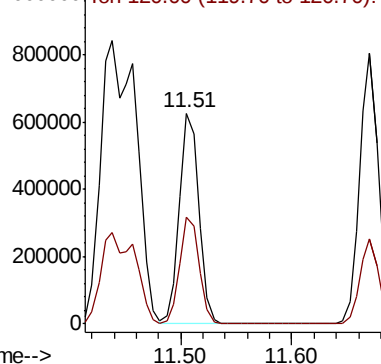
Ion Ratio Lower Upper

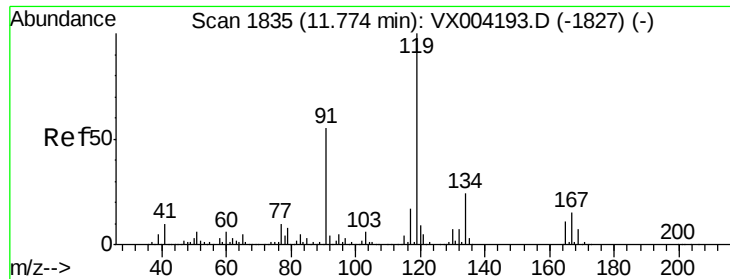
105 100

120 50.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)





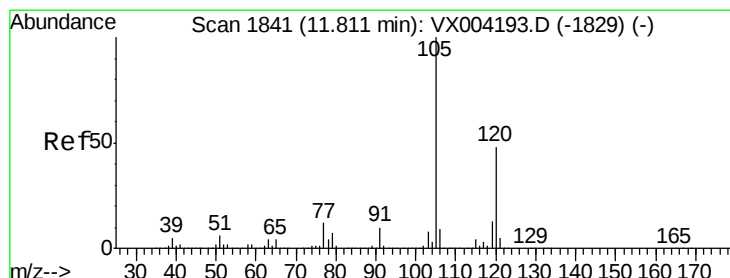
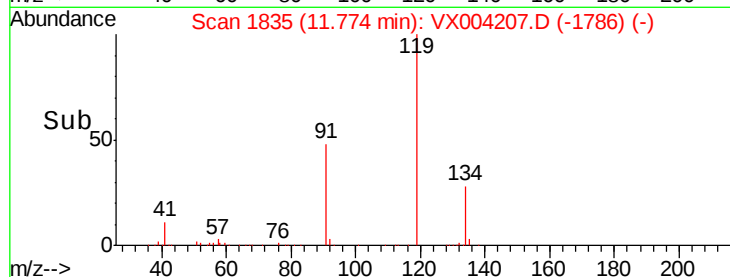
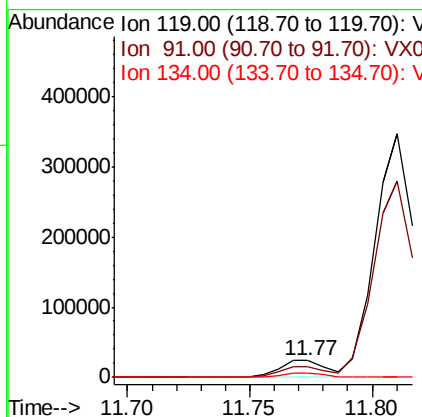
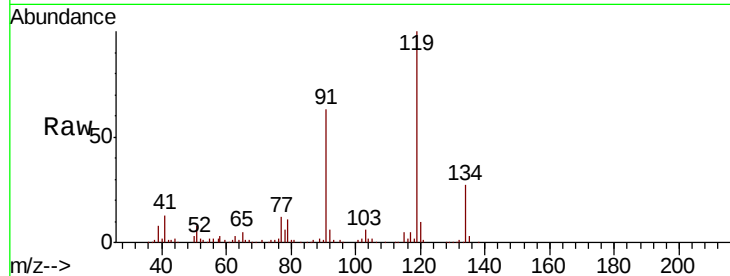
#83
tert-Butylbenzene
Concen: 2.24 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	27.0	81.0
134	27.2	11.7	35.1

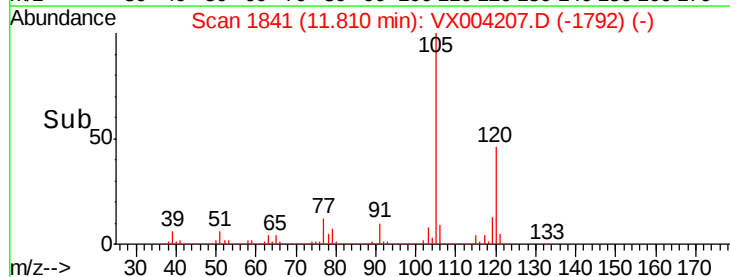
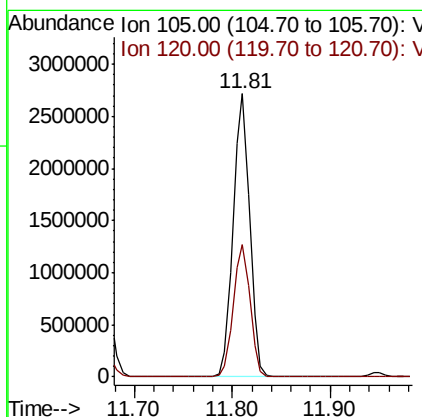
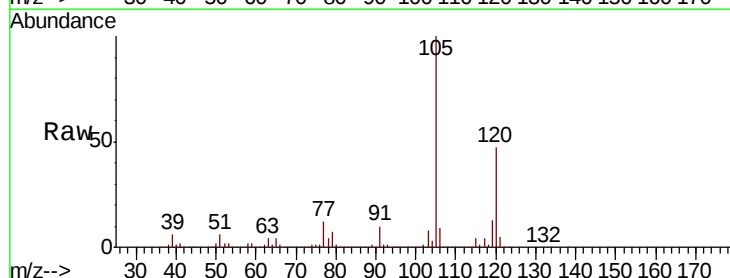
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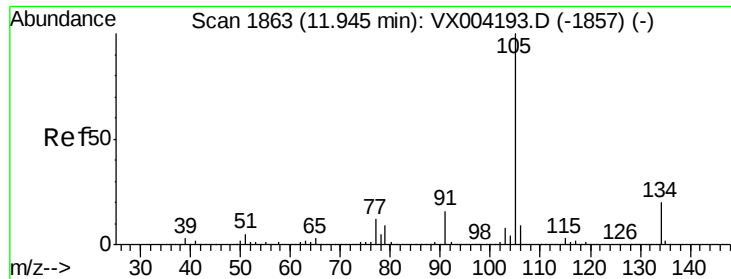
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8/23/2018 9:40:33 AM



#84
1,2,4-Trimethylbenzene
Concen: 219.57 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.2	69.6





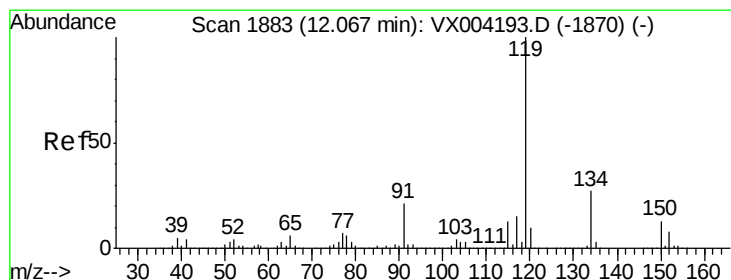
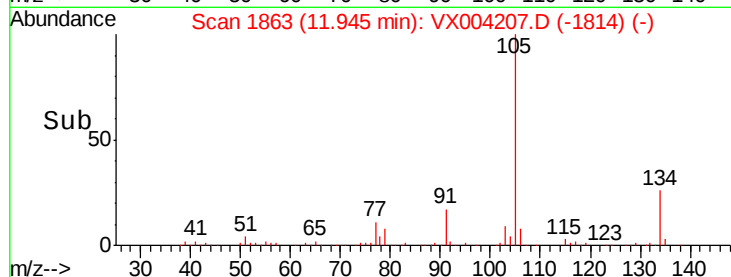
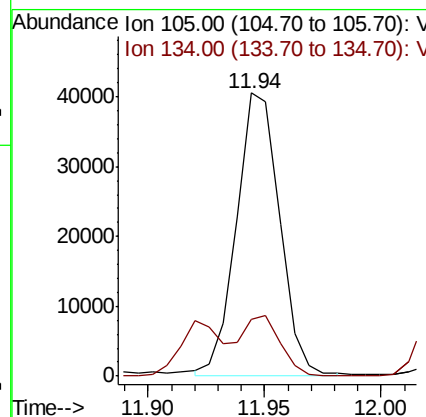
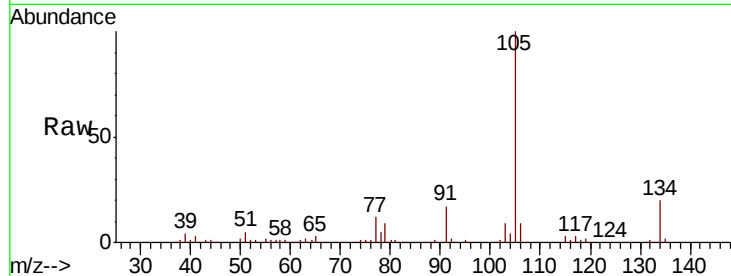
#85
 sec-Butylbenzene
 Concen: 3.07 ug/l m
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0541

Tot Ion:105 Resp: 51978
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

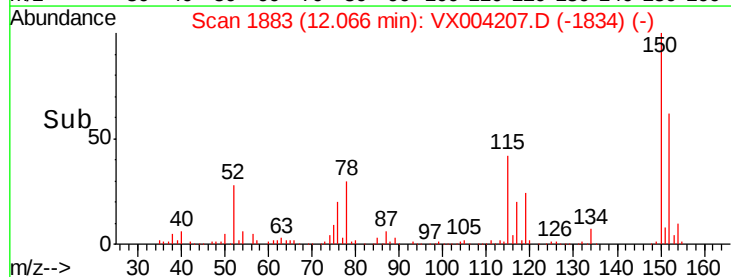
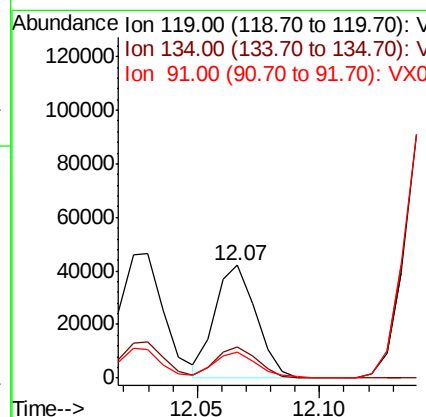
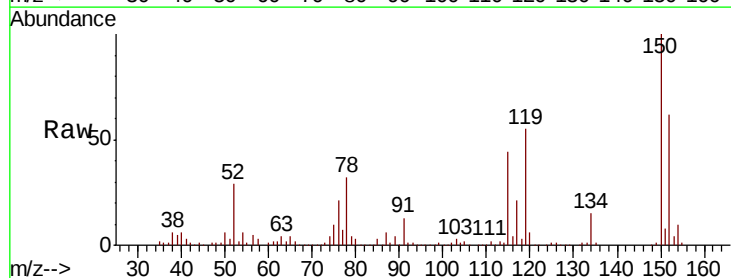
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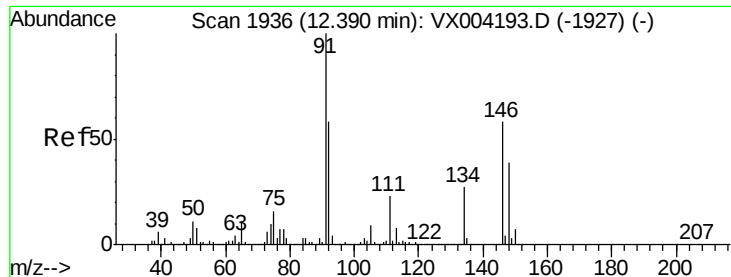
MMDadoda
 8/23/2018 9:40:33 AM



#86
 p-Isopropyltoluene
 Concen: 3.23 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Tgt Ion:119 Resp: 48985
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.4 40.2
 91 24.0 10.9 32.7





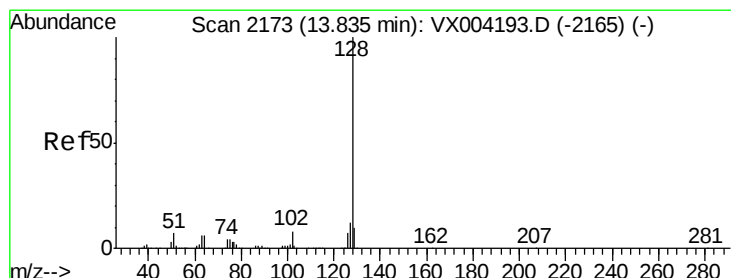
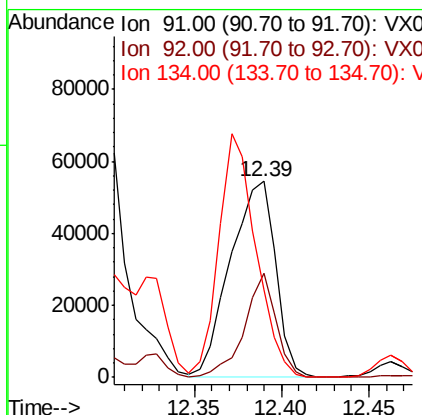
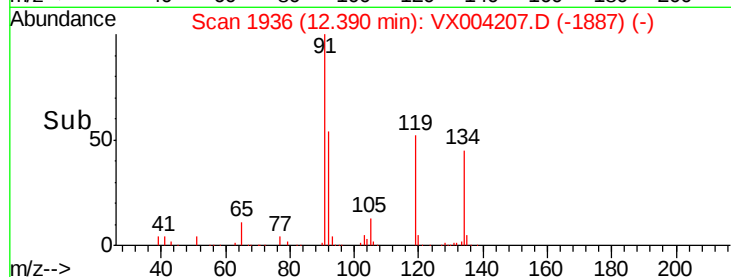
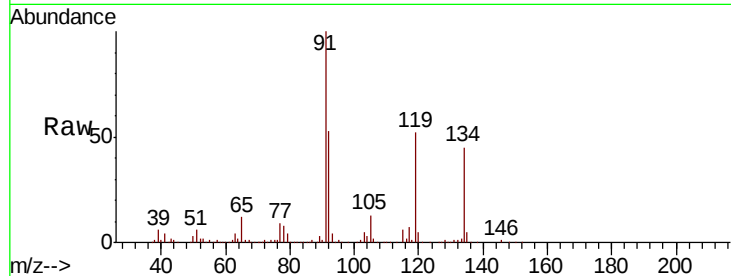
#89
n-Butylbenzene
Concen: 7.90 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Tot Ion	Ratio	Lower	Upper
91	100		
92	37.3	27.3	81.9
134	102.6	13.6	40.7#

Manual Integrations
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8/23/2018 9:40:33 AM



#95
Naphthalene
Concen: 102.56 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

