

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002103.D
 Acq On : 29 May 2018 19:46
 Operator : JC/MD
 Sample : J3041-09ME
 Misc : 8.37G/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE1-1.0-1.5ME

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:58 PM

Quant Time: May 30 07:48:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	282855	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	386862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	404932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	255786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174693	34.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.10%	
35) Dibromofluoromethane	5.51	113	135616	35.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.12%	
50) Toluene-d8	8.72	98	621393	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
62) 4-Bromofluorobenzene	11.15	95	326544	59.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.18%	

Target Compounds

						Qvalue
31) Cyclohexane	5.59	56	96956	13.92	ug/l	# 56
39) Methylcyclohexane	7.46	83	511665	77.40	ug/l	96
40) Benzene	6.14	78	13620	0.86	ug/l	99
52) Toluene	8.79	92	141806	14.13	ug/l	99
67) Ethyl Benzene	10.26	91	4085163	183.27	ug/l	98
68) m/p-Xylenes	10.37	106	534193	62.69	ug/l	96
69) o-Xylene	10.71	106	66602	7.83	ug/l	95
73) Isopropylbenzene	11.02	105	1529115	70.60	ug/l	99
78) n-propylbenzene	11.37	91	6979221	287.69	ug/l	98
80) 1,3,5-Trimethylbenzene	11.52	105	2612818	141.15	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	5047746	263.88	ug/l	96
85) sec-Butylbenzene	11.96	105	1801275	82.49	ug/l	94
86) p-Isopropyltoluene	12.07	119	304297m	15.57	ug/l	
89) n-Butylbenzene	12.40	91	5226116	315.66	ug/l	# 56
95) Naphthalene	13.85	128	10986330	475.56	ug/l	# 93

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

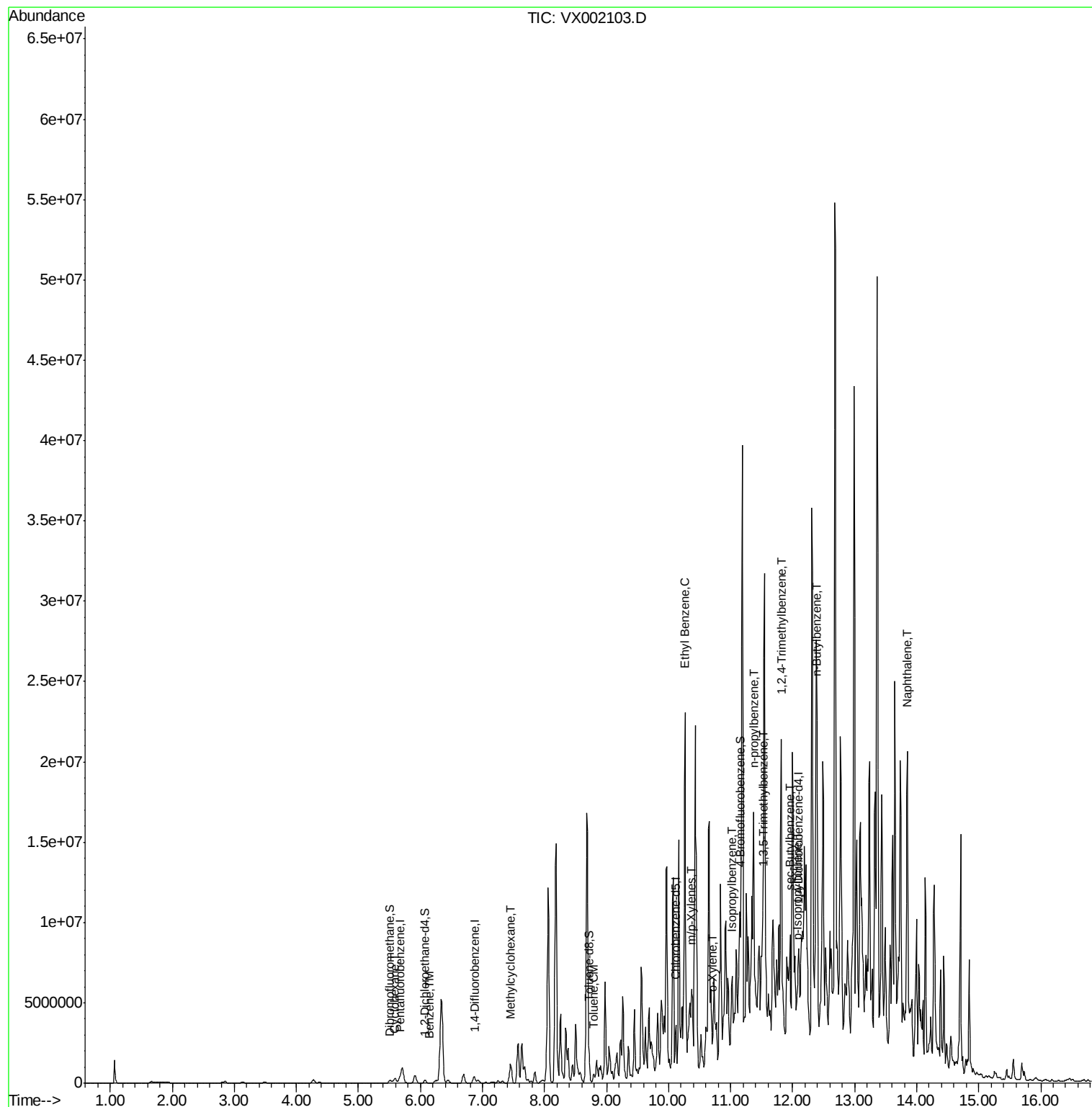
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
Data File : VX002103.D
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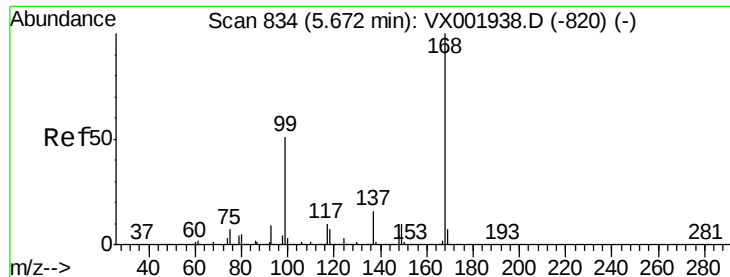
Instrument :
MSVOA_X
ClientSampleId :
T1-3-P1PE1-1.0-1.5ME

Manual Integrations
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Quant Time: May 30 07:48:10 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
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#1

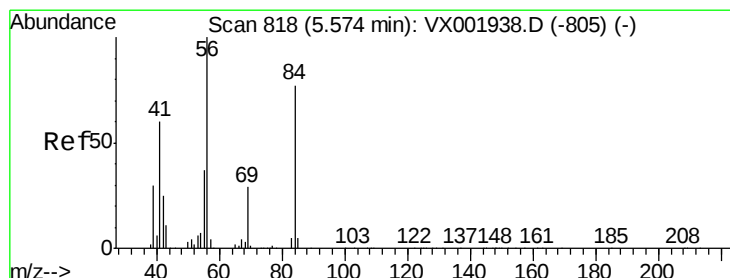
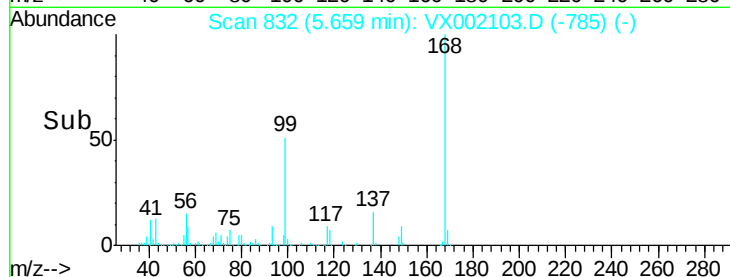
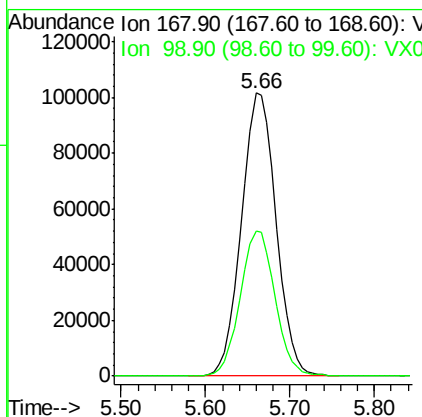
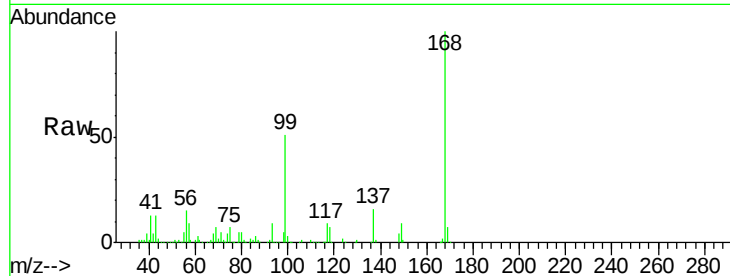
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VX002103.D
 Acq: 29 May 2018 19:46

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE1-1.0-1.5ME

Tot Ion	Ratio	Resp	Lower	Upper
168	100	282855		
99	51.2	41.0	61.4	

Manual Integrations
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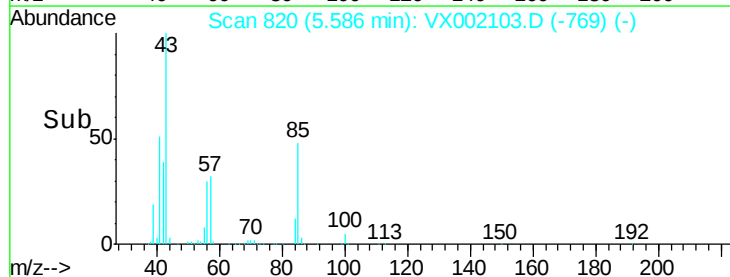
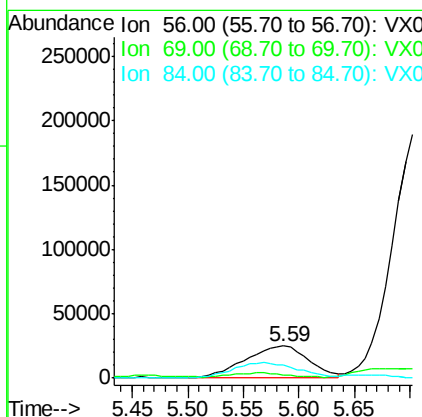
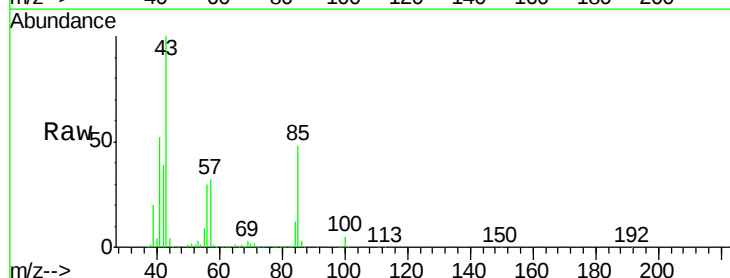
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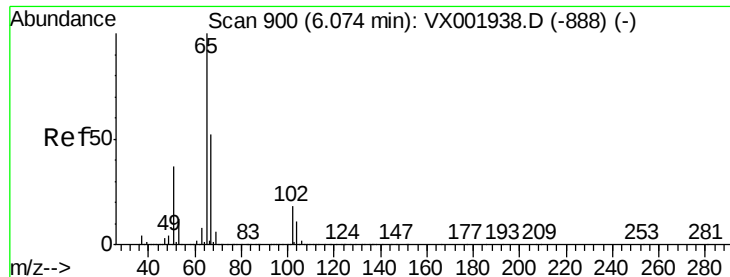


#31

Cyclohexane
 Concen: 13.92 ug/l
 RT: 5.59 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: VX002103.D
 Acq: 29 May 2018 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	96956		
69	5.3	23.1	34.7#	
84	39.5	62.0	93.0#	





#33

1,2-Dichloroethane-d4

Concen: 34.55 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion: 65 Resp: 174693

Ion Ratio Lower Upper

65 100

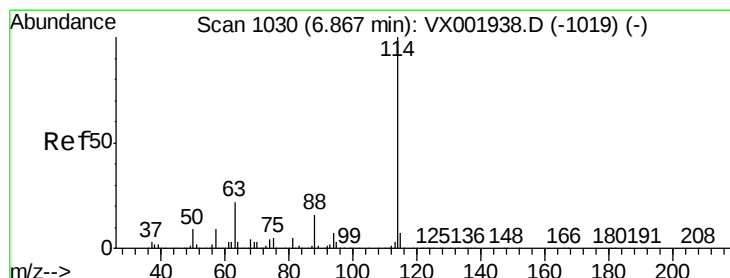
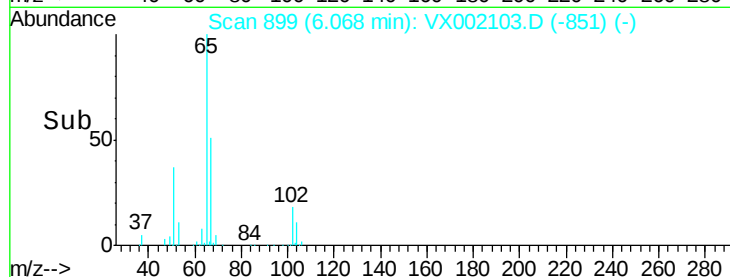
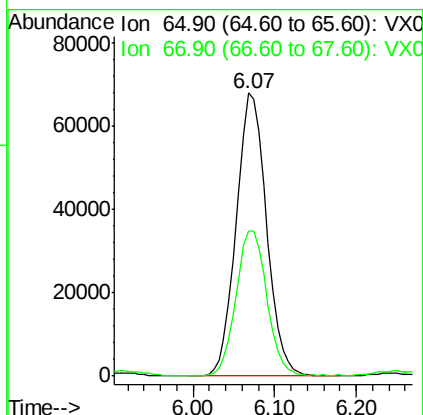
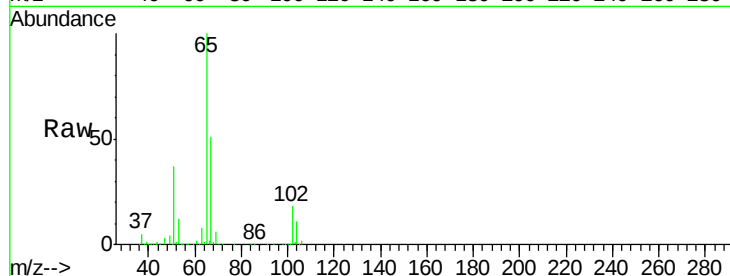
67 51.9 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

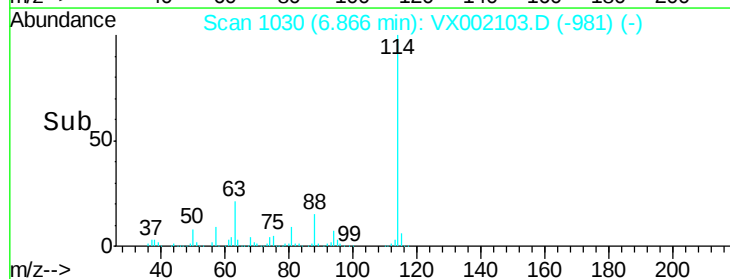
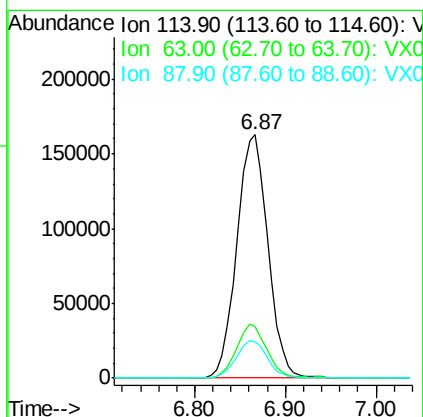
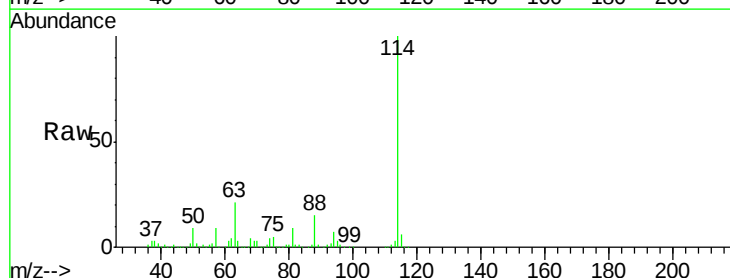
Tgt Ion: 114 Resp: 386862

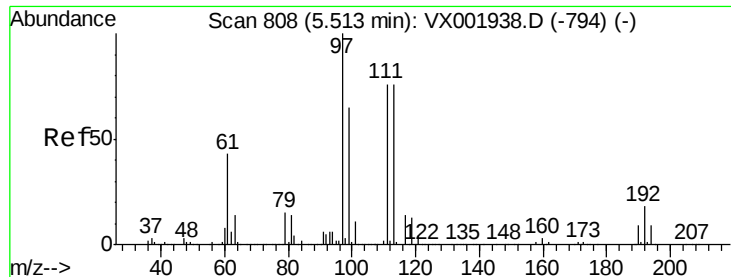
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 35.06 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

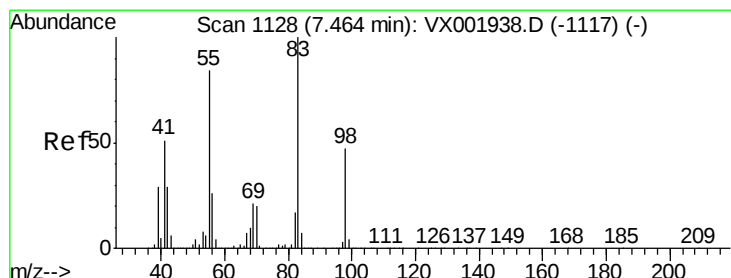
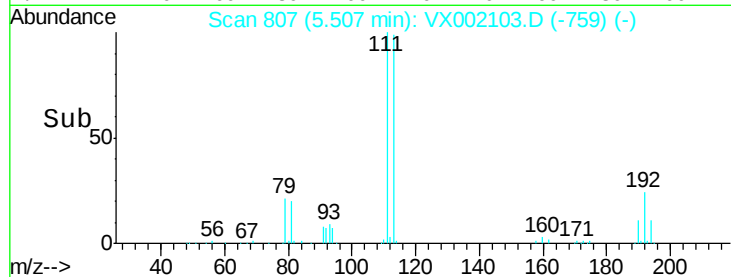
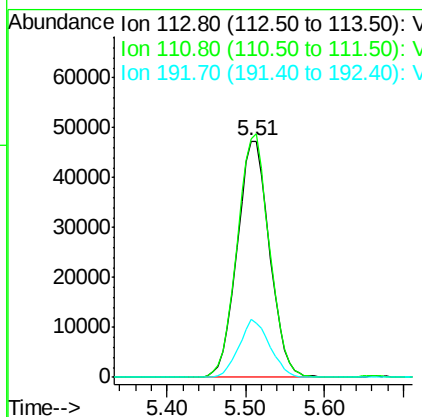
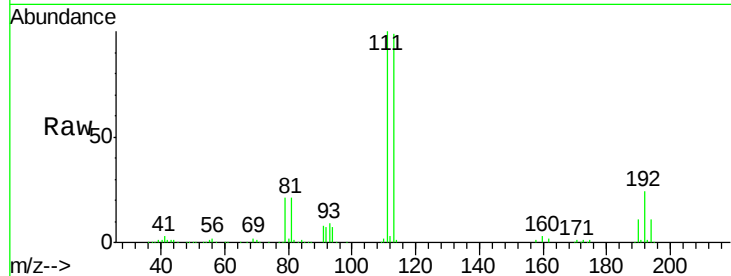
ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion:	113	Resp:	135616
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.0	123.0
192	23.4	18.9	28.3

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#39

Methylcyclohexane

Concen: 77.40 ug/l

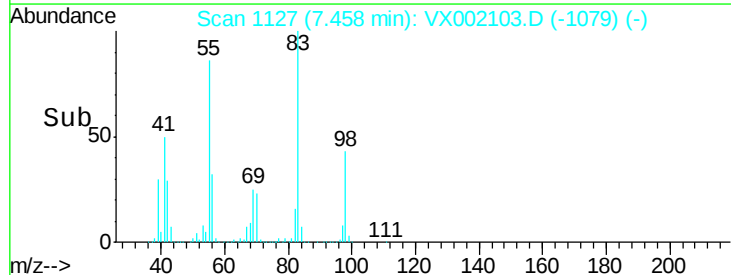
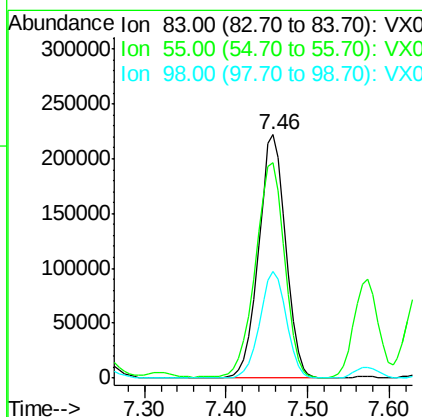
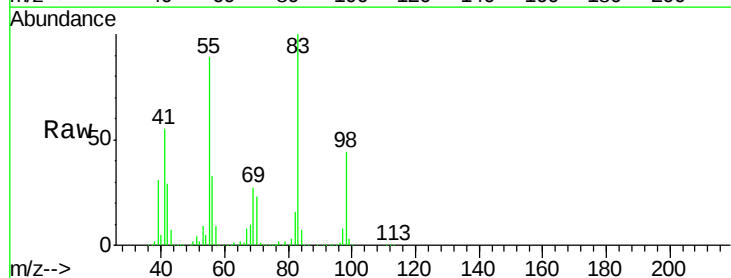
RT: 7.46 min Scan# 1127

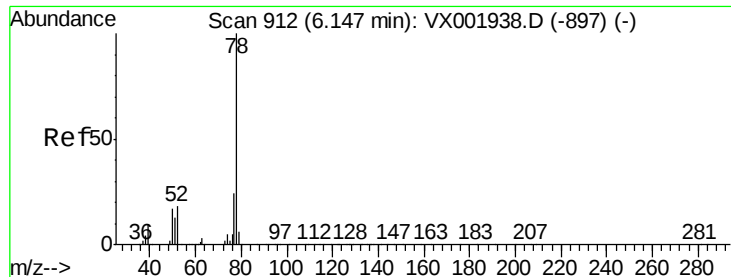
Delta R.T. -0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Tgt Ion:	83	Resp:	511665
Ion Ratio	Lower	Upper	
83	100		
55	88.1	67.3	100.9
98	43.8	37.5	56.3





#40

Benzene

Concen: 0.86 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion: 78 Resp: 13620

Ion Ratio Lower Upper

78 100

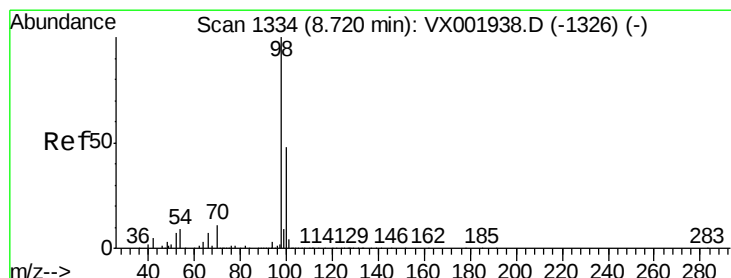
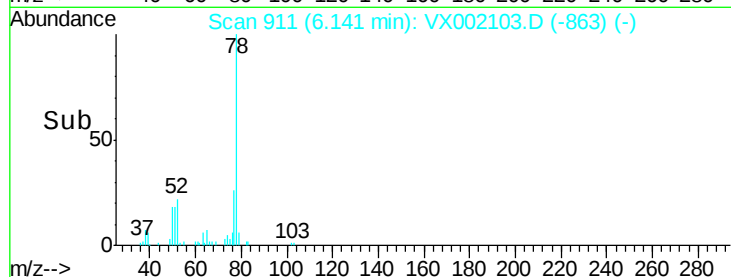
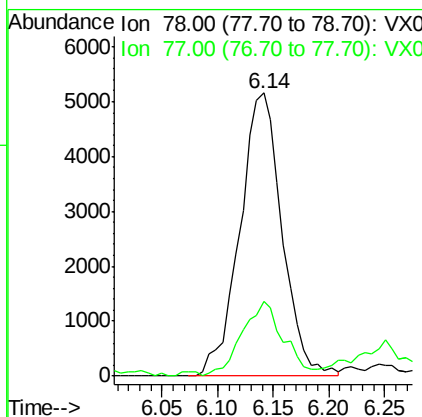
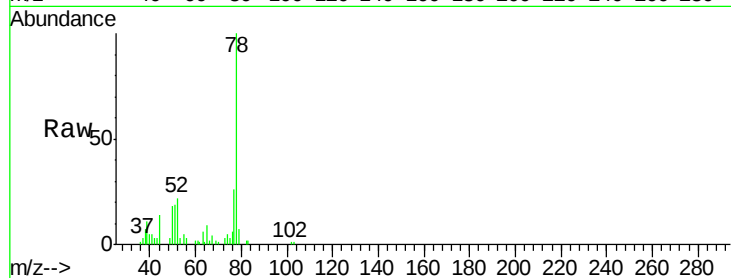
77 24.6 19.1 28.7

Manual Integrations

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#50

Toluene-d8

Concen: 44.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002103.D

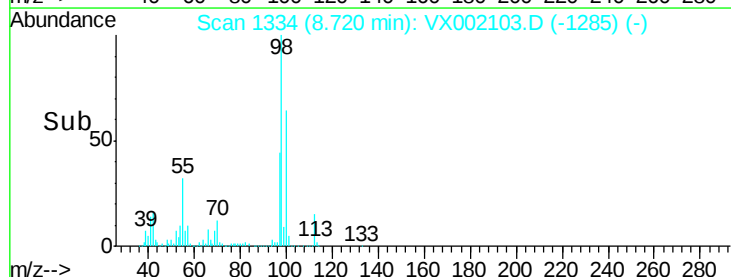
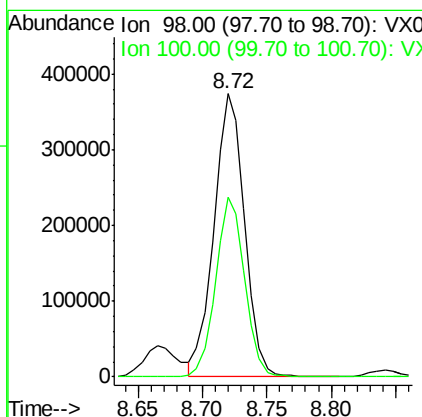
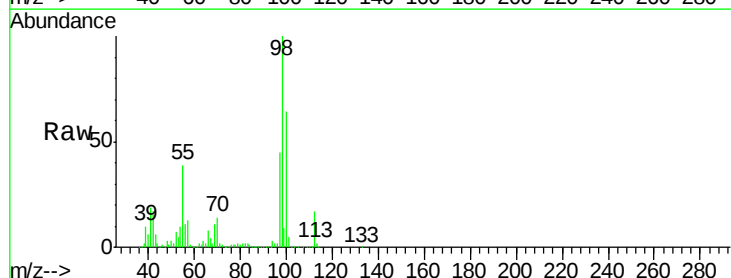
Acq: 29 May 2018 19:46

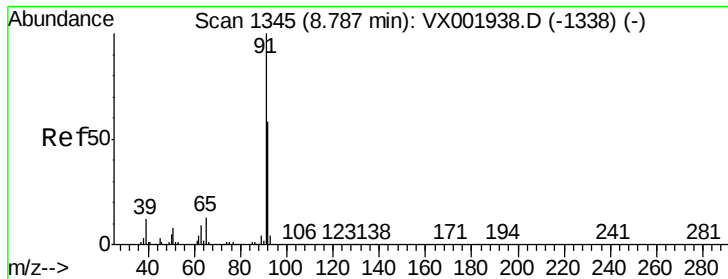
Tgt Ion: 98 Resp: 621393

Ion Ratio Lower Upper

98 100

100 60.6 51.5 77.3





#52

Toluene

Concen: 14.13 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion: 92 Resp: 141806

Ion Ratio Lower Upper

92 100

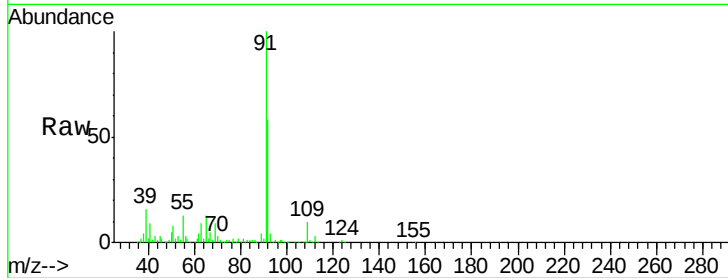
91 176.2 139.4 209.2

Manual Integrations

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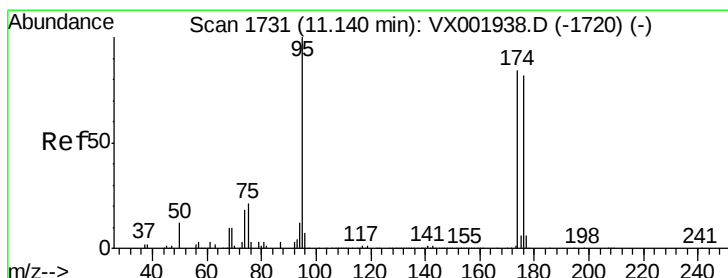
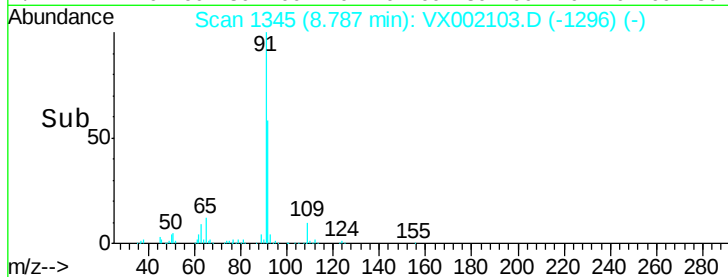
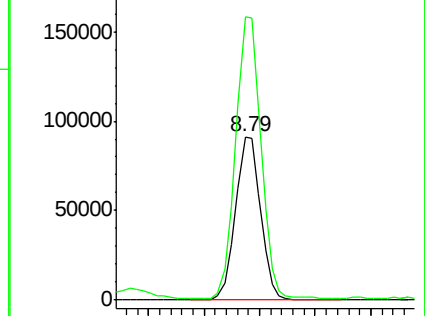
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 59.59 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

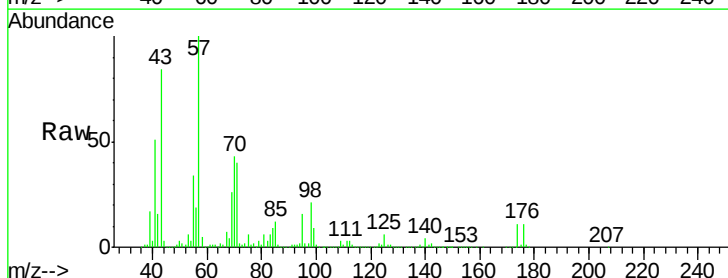
Tgt Ion: 95 Resp: 326544

Ion Ratio Lower Upper

95 100

174 70.5 0.0 178.8

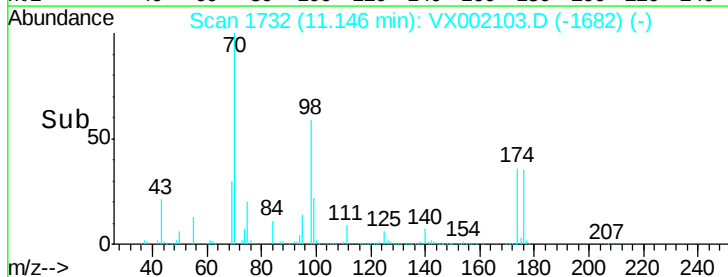
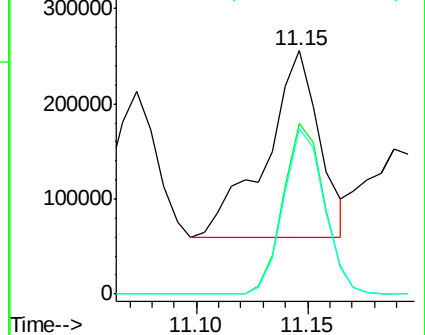
176 68.4 0.0 175.6

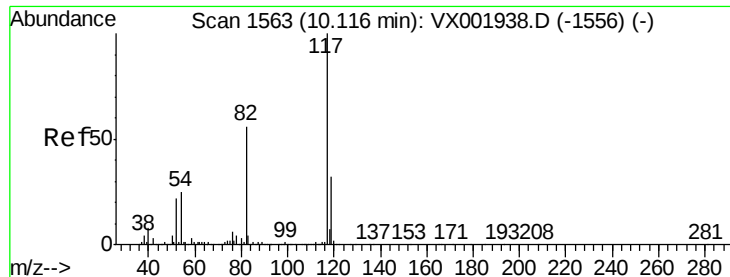


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1564

Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

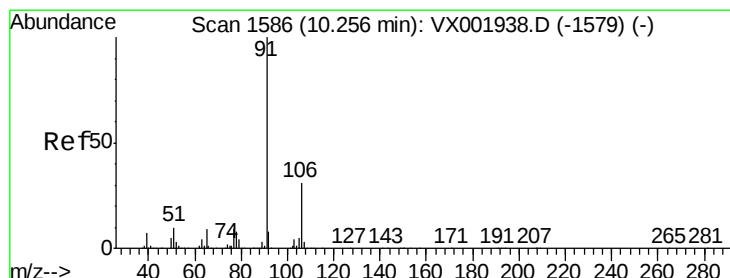
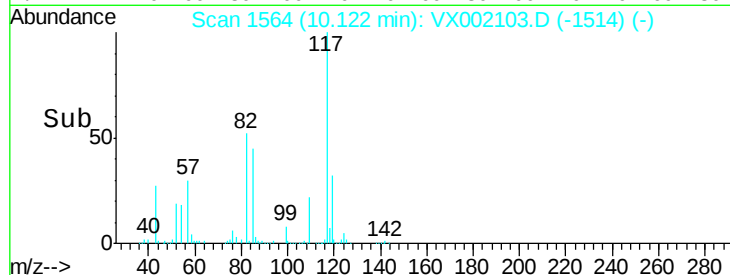
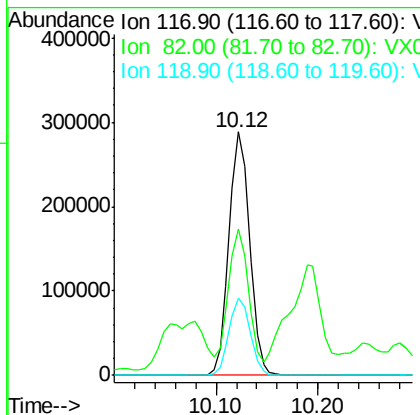
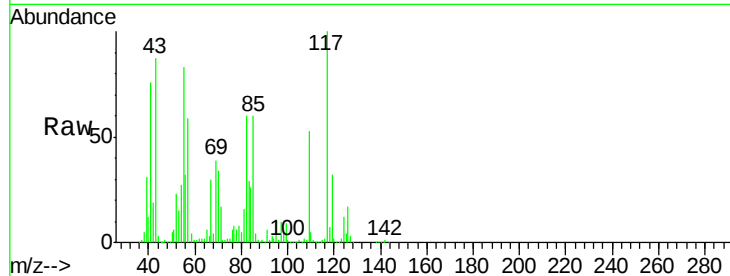
ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion:	117	Resp:	404932
Ion Ratio	Lower	Upper	
117	100		
82	51.6	44.8	67.2
119	31.9	25.5	38.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 183.27 ug/l

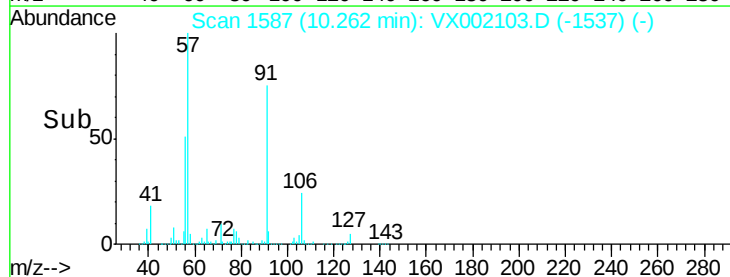
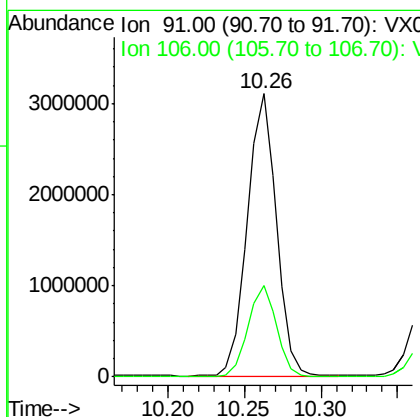
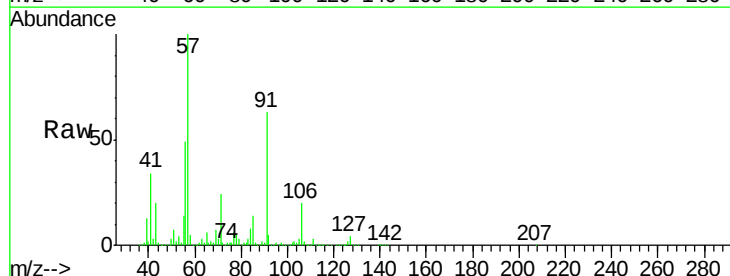
RT: 10.26 min Scan# 1587

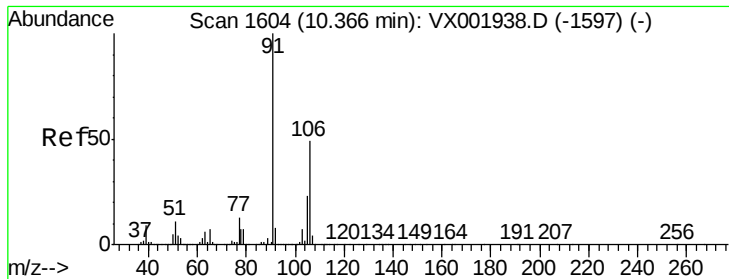
Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Tgt Ion:	91	Resp:	4085163
Ion Ratio	Lower	Upper	
91	100		
106	32.2	25.0	37.6





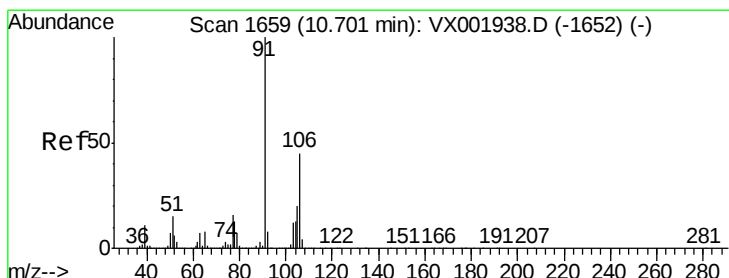
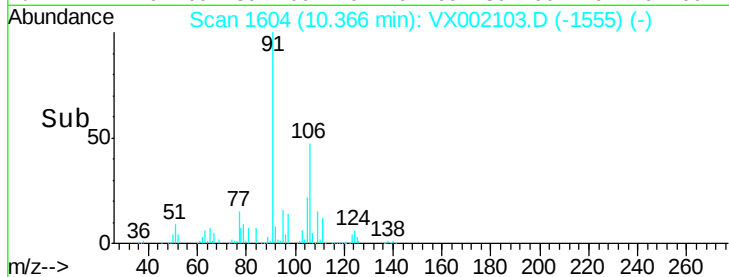
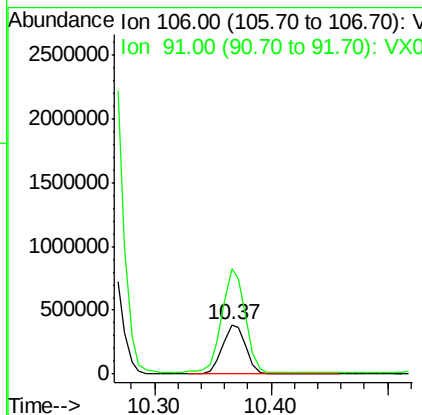
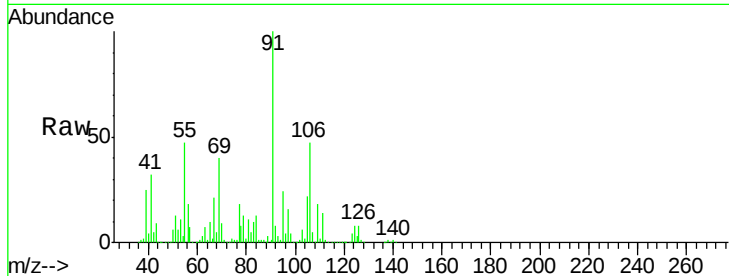
#68
m/p-Xvlenes
Concen: 62.69 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002103.D
Acq: 29 May 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :
T1-3-P1PE1-1.0-1.5ME

Tot Ion:106 Resp: 534193
Ion Ratio Lower Upper
106 100
91 212.9 165.0 247.6

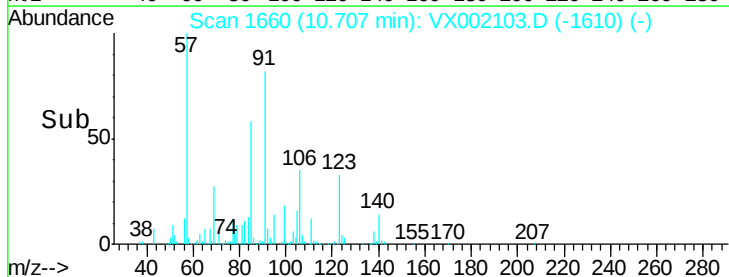
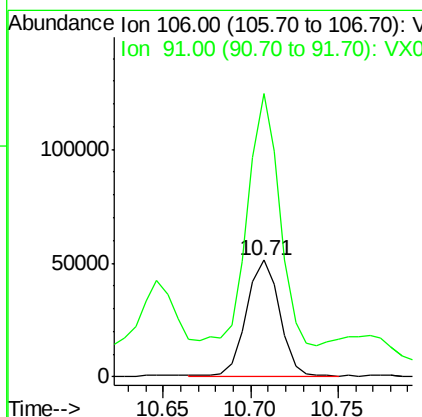
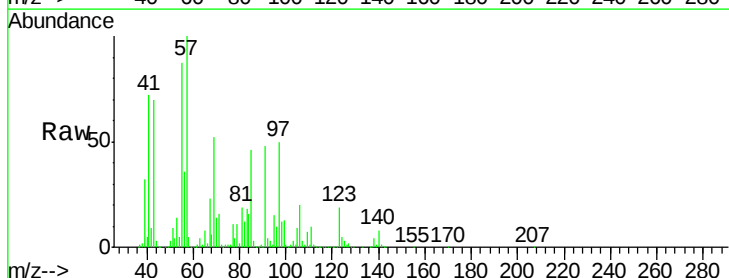
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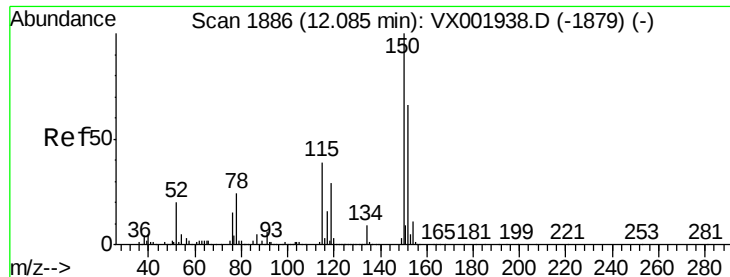
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5/30/2018 1:50:58 PM



#69
o-Xylene
Concen: 7.83 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002103.D
Acq: 29 May 2018 19:46

Tgt Ion:106 Resp: 66602
Ion Ratio Lower Upper
106 100
91 210.0 108.7 325.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

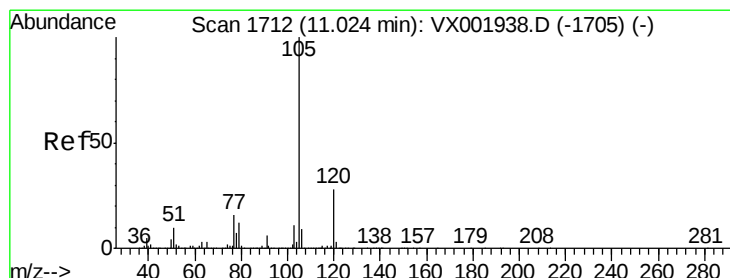
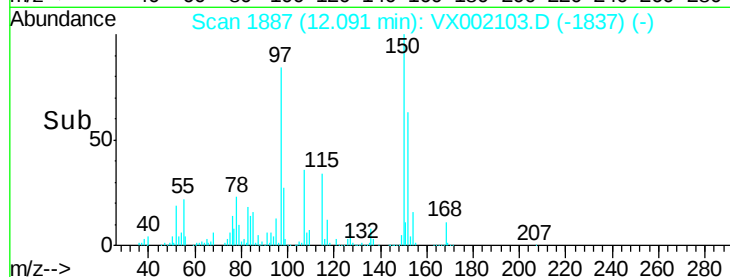
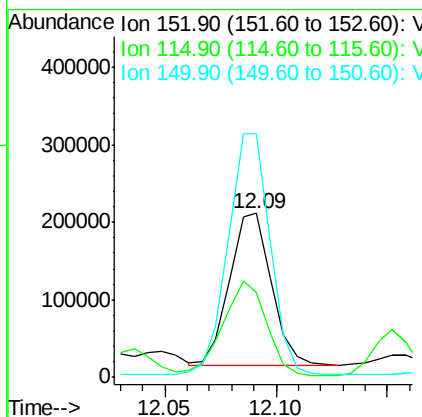
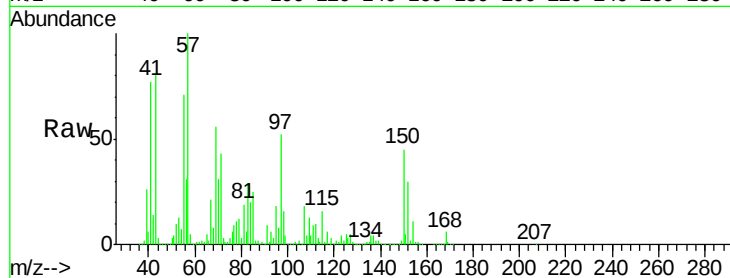
ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion:	152	Resp:	255786
Ion Ratio	Lower	Upper	
152	100		
115	65.8	42.3	126.8
150	160.9	0.0	351.0

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5/30/2018 1:50:58 PM



#73

Isopropylbenzene

Concen: 70.60 ug/l

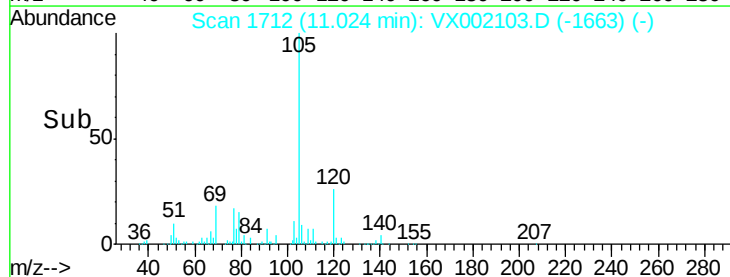
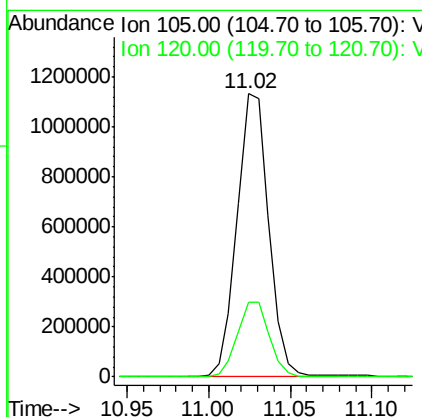
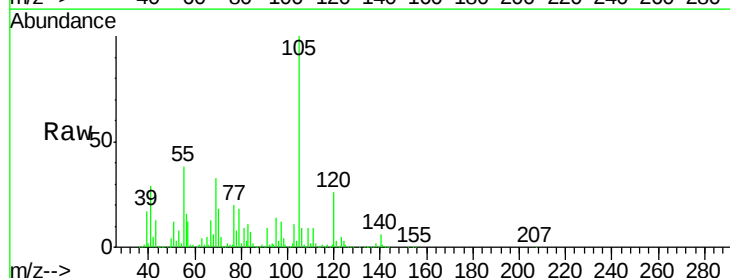
RT: 11.02 min Scan# 1712

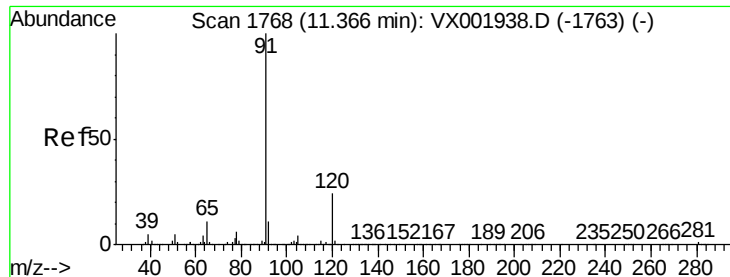
Delta R.T. -0.00 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Tgt Ion:	105	Resp:	1529115
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.6	40.7





#78

n-propylbenzene

Concen: 287.69 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE1-1.0-1.5ME

Tot Ion: 91 Resp: 6979221

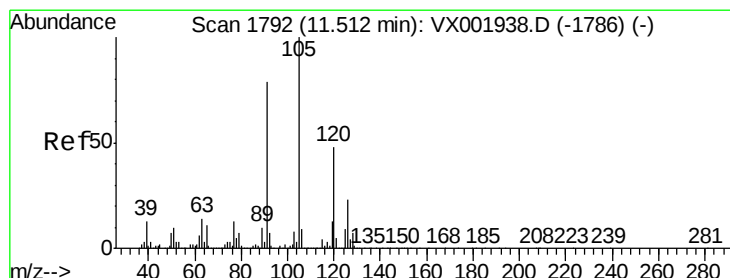
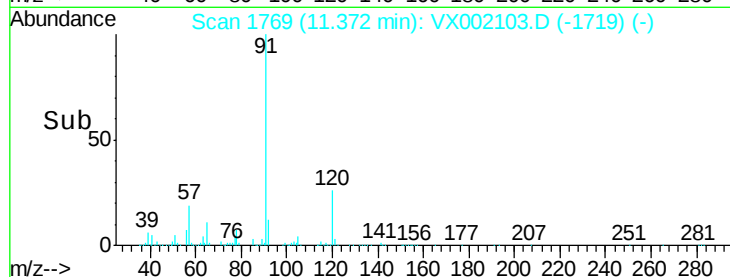
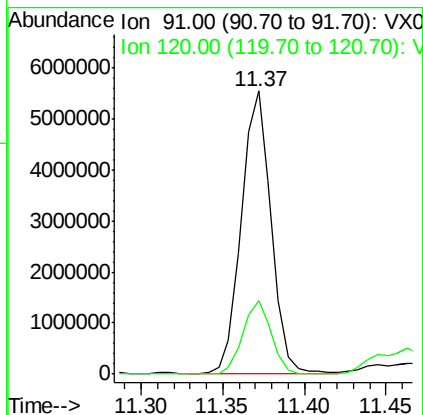
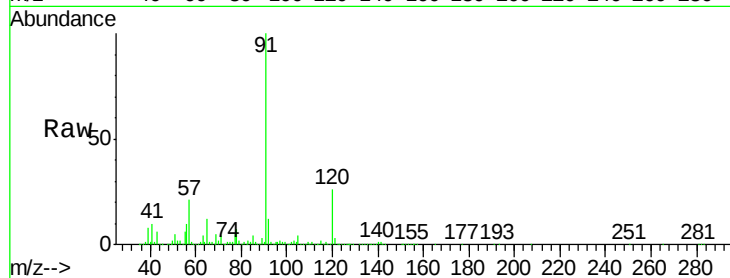
Ion Ratio Lower Upper

91 100

120 25.0 11.9 35.7

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5/30/2018 1:50:58 PM



#80

1,3,5-Trimethylbenzene

Concen: 141.15 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX002103.D

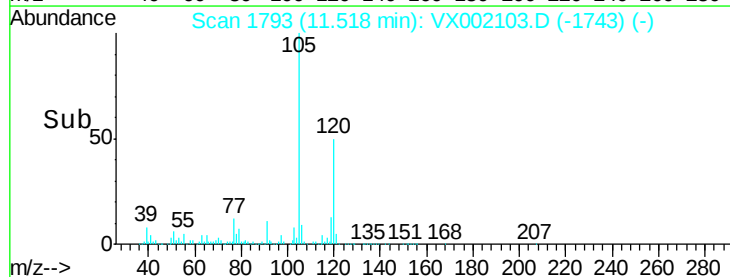
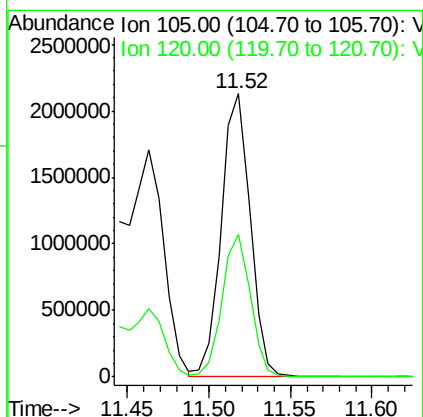
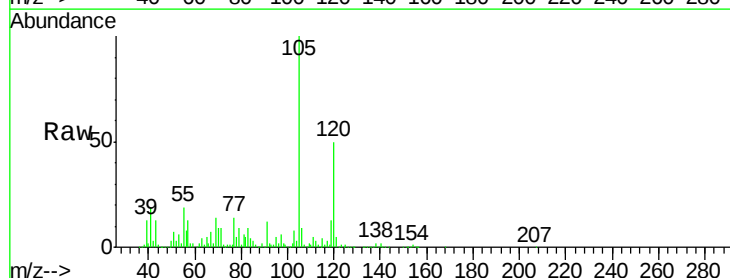
Acq: 29 May 2018 19:46

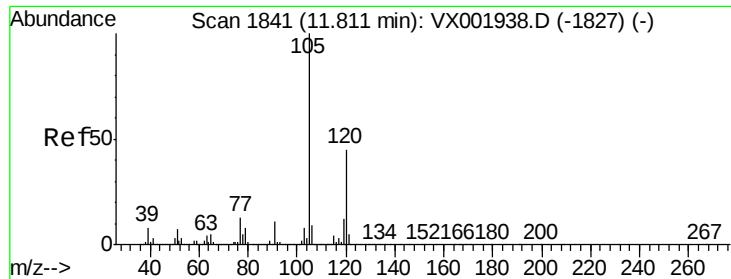
Tgt Ion: 105 Resp: 2612818

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 263.88 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Instrument :

MSVOA_X

ClientSampled :

T1-3-P1PE1-1.0-1.5ME

Tot Ion:105 Resp: 5047746

Ion Ratio Lower Upper

105 100

120 47.1

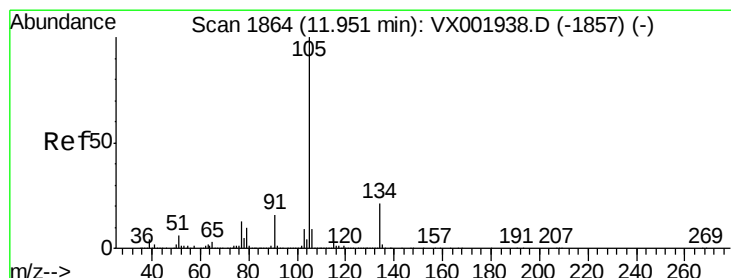
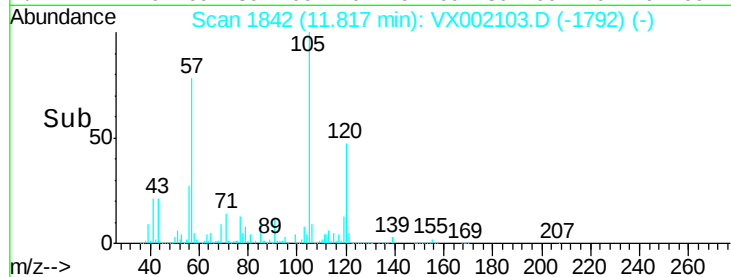
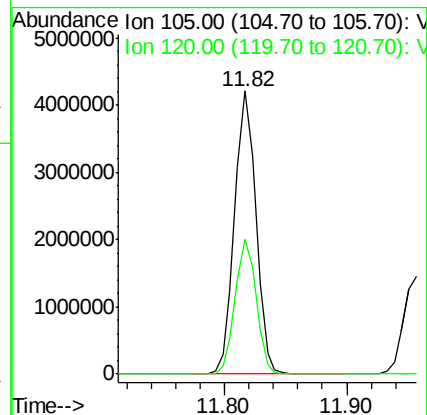
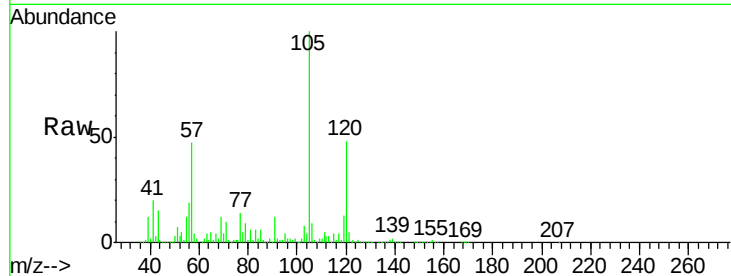
22.1

66.5

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5/30/2018 1:50:58 PM



#85

sec-Butylbenzene

Concen: 82.49 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: VX002103.D

Acq: 29 May 2018 19:46

Tgt Ion:105 Resp: 1801275

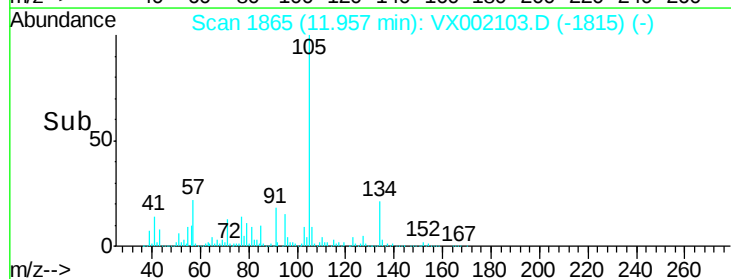
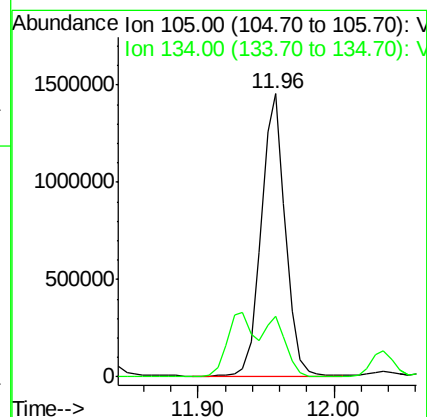
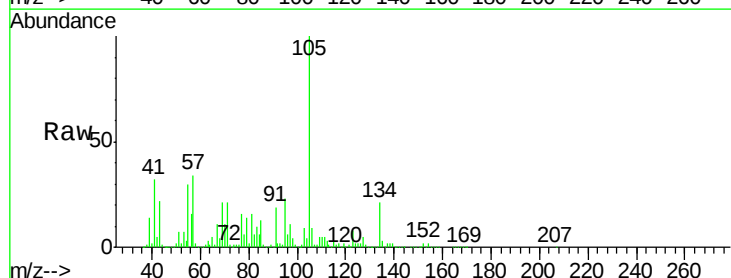
Ion Ratio Lower Upper

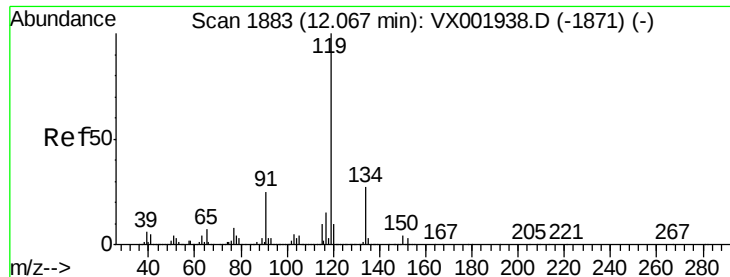
105 100

134 18.0

10.4

31.4





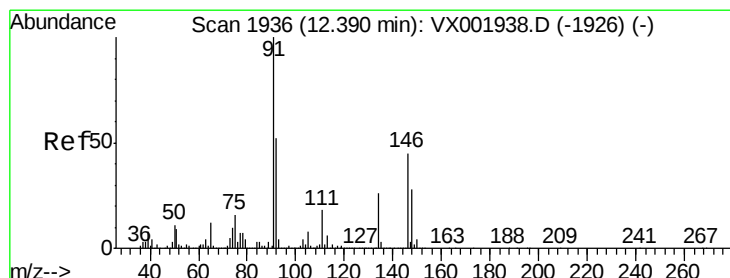
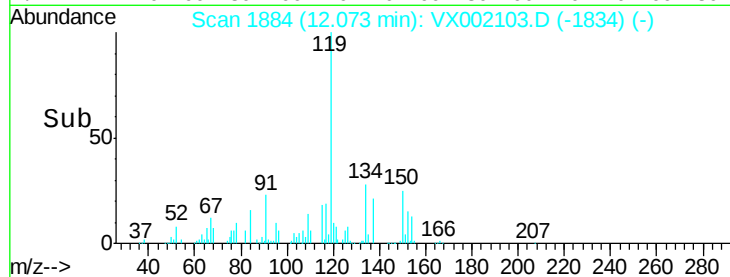
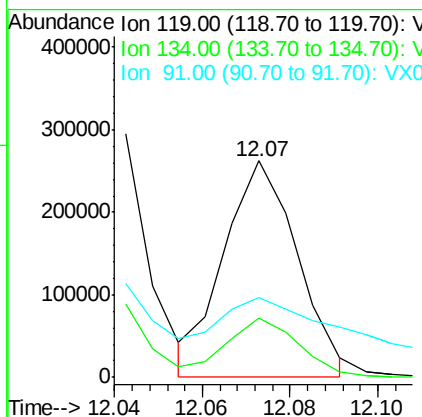
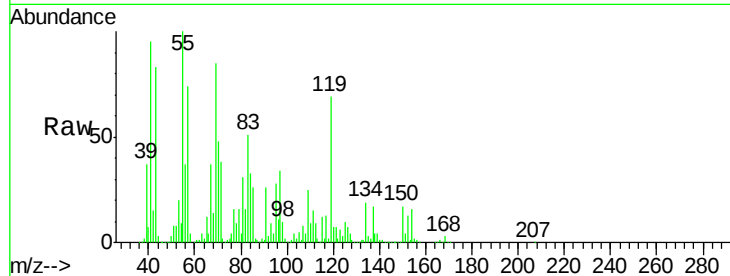
#86
 p-Isopropyltoluene
 Concen: 15.57 ug/l m
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VX002103.D
 Acq: 29 May 2018 19:46

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE1-1.0-1.5ME

Tot Ion:	119	Resp:	304297
Ion Ratio	Lower	Upper	
119	100		
134	52.8	13.6	40.8#
91	52.1	12.2	36.4#

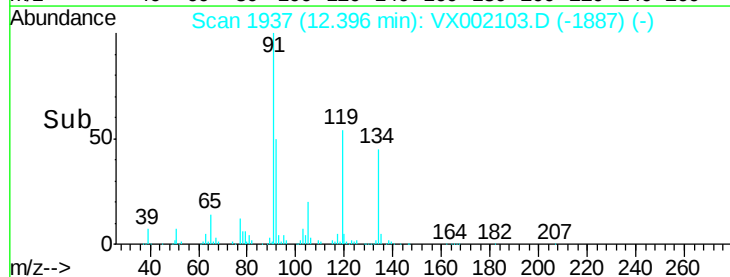
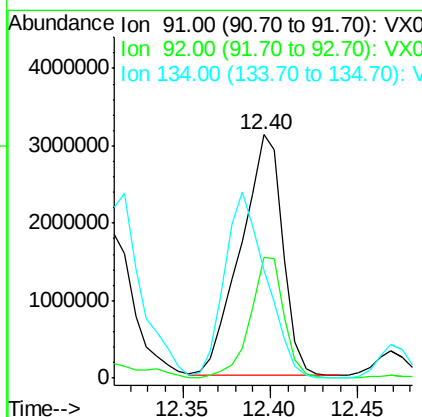
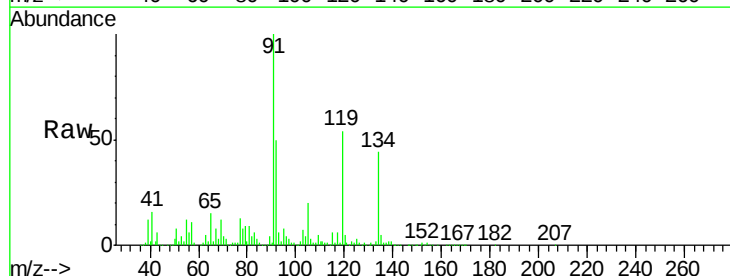
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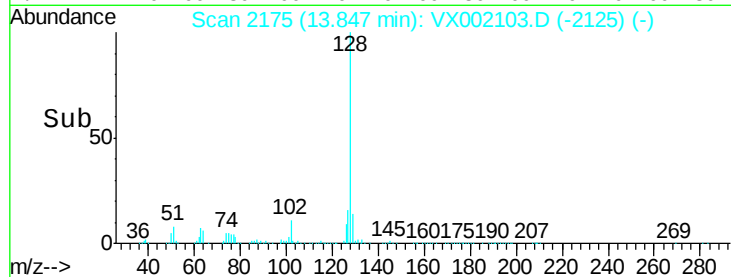
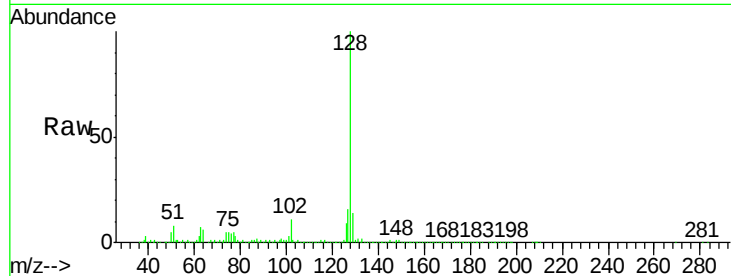
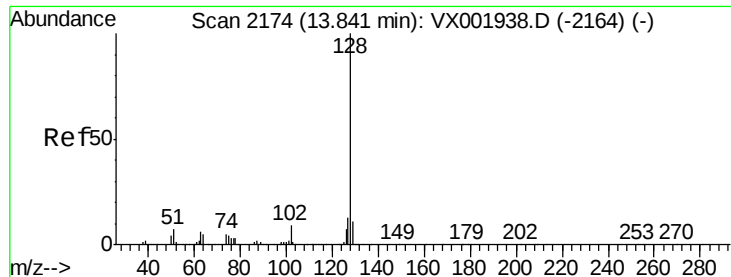
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 5/30/2018 1:50:58 PM



#89
 n-Butylbenzene
 Concen: 315.66 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX002103.D
 Acq: 29 May 2018 19:46

Tgt Ion:	91	Resp:	5226116
Ion Ratio	Lower	Upper	
91	100		
92	40.0	26.3	78.9
134	76.4	13.6	40.7#





#95
Naphthalene
Concen: 475.56 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX002103.D
Acq: 29 May 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :
T1-3-P1PE1-1.0-1.5ME

Tot Ion:128 Resp:10986330
Ion Ratio Lower Upper
128 100
127 15.2 10.4 15.6
129 14.2 8.8 13.2#

Manual Integrations
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