

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
 Data File : VX001627.D
 Acq On : 11 May 2018 03:29
 Operator : JC/MD
 Sample : J2766-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(MAY)

Manual Integrations
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Quant Time: May 11 07:43:23 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	55614	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	286814	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	258882	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	124249	30.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.07%
60) 4-Bromofluorobenzene	11.14	95	119849	29.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.50%
63) Toluene-d8	8.72	98	337520	29.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.43%

Target Compounds

						Ovalue
15) Acetone	2.45	58	1118277	2380.92	ug/l	94
16) Carbon Disulfide	2.57	76	13885	2.18	ug/l	99
30) 2-Butanone	4.72	43	54475	22.91	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	15265	3.28	ug/l	97
61) Tetrachloroethene	9.34	164	7862	2.09	ug/l	95
62) Toluene	8.79	91	40963	3.29	ug/l	99
66) Ethyl Benzene	10.26	91	4902	0.38	ug/l	97
67) m/p-Xylenes	10.37	106	2613	0.51	ug/l	99
68) o-Xylene	10.70	106	1324	0.26	ug/l	93
69) Styrene	10.72	104	3103	0.37	ug/l	94
76) 1,3,5-Trimethylbenzene	11.51	105	2411	0.22	ug/l	94
79) tert-butylbenzene	12.07	119	245162	20.93	ug/l	100
80) 1,2,4-Trimethylbenzene	11.82	105	15570	1.38	ug/l	59
81) sec-Butylbenzene	11.95	105	8276m	0.65	ug/l	
82) p-Isopropyltoluene	12.07	119	245162	20.93	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	1890	0.27	ug/l	97
91) Naphthalene	13.84	128	9583	0.62	ug/l #	94

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

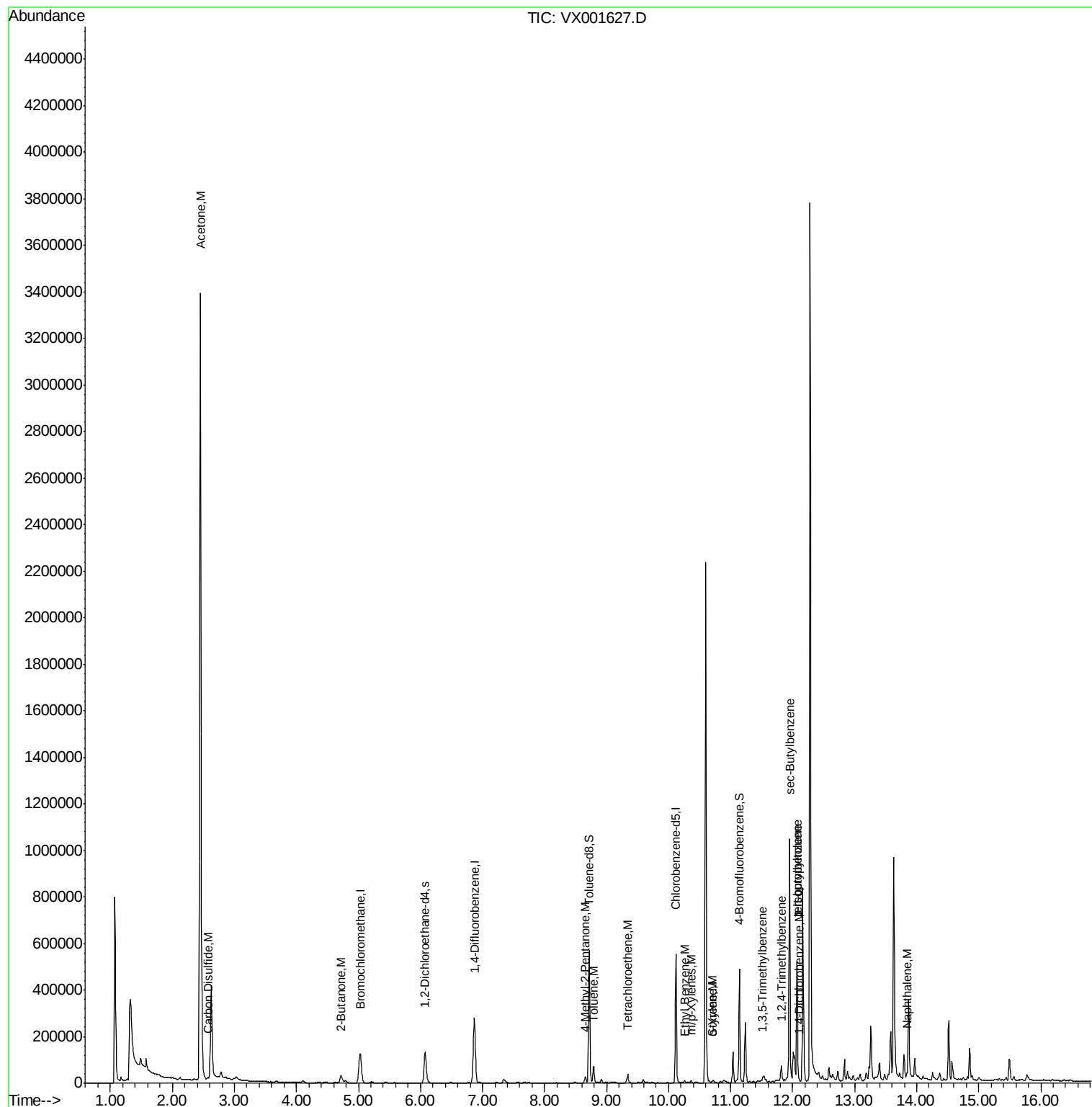
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
Data File : VX001627.D
Acq On : 11 May 2018 03:29
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

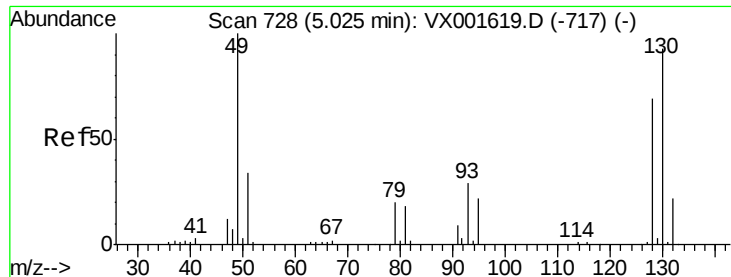
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

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Quant Time: May 11 07:43:23 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
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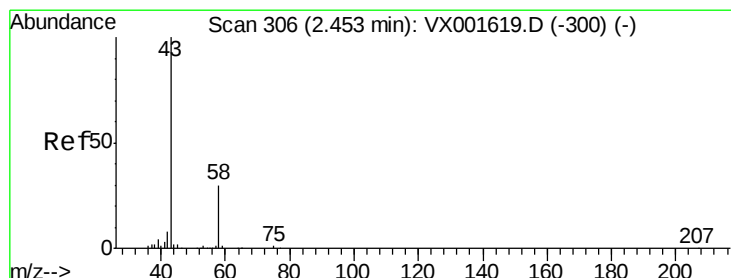
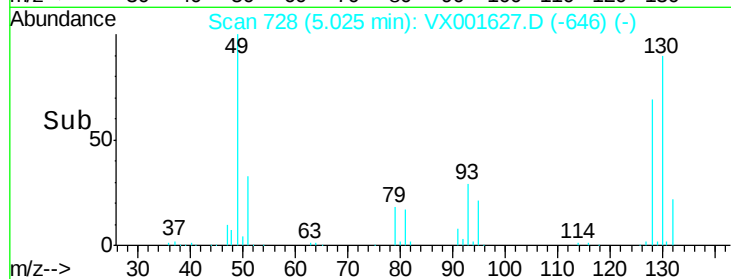
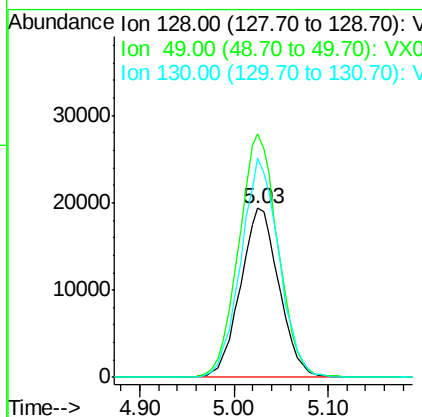
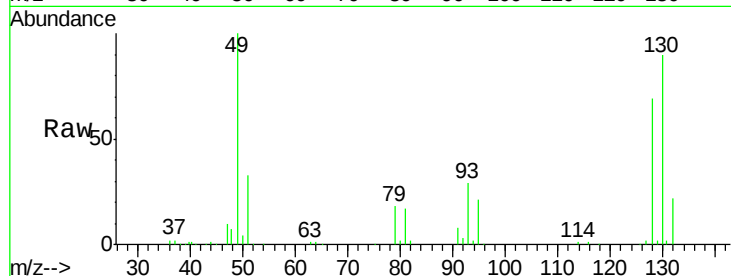
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Lower	Upper
128	100		
49	146.1	0.0	372.0
130	127.9	0.0	326.5

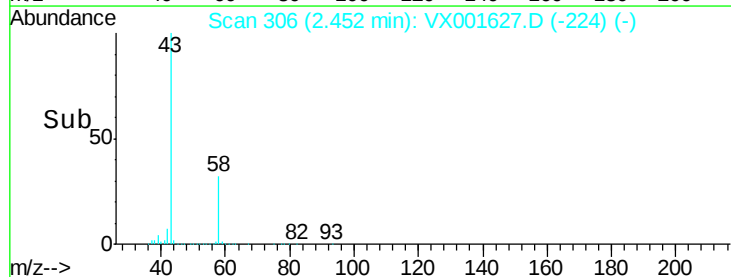
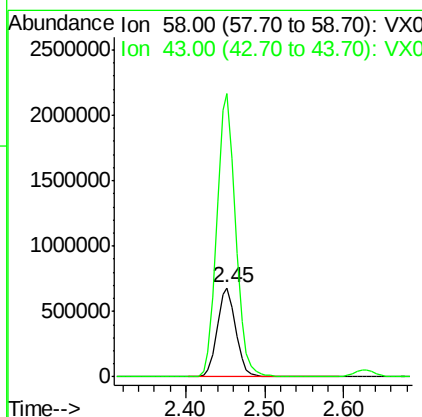
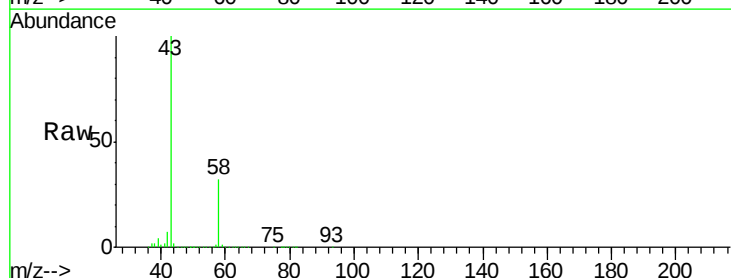
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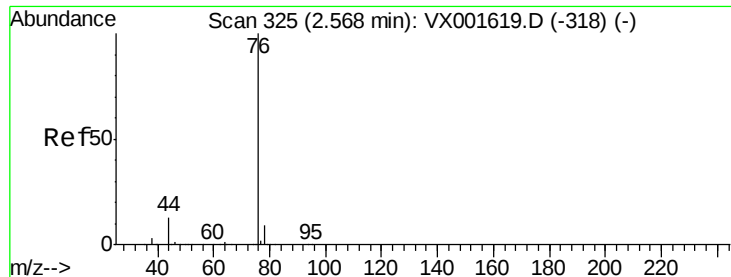
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#15
Acetone
Concen: 2380.92 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Tgt Ion	Ratio	Lower	Upper
58	100		
43	317.0	264.2	396.2





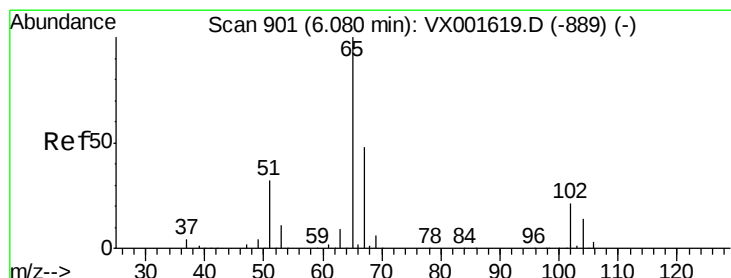
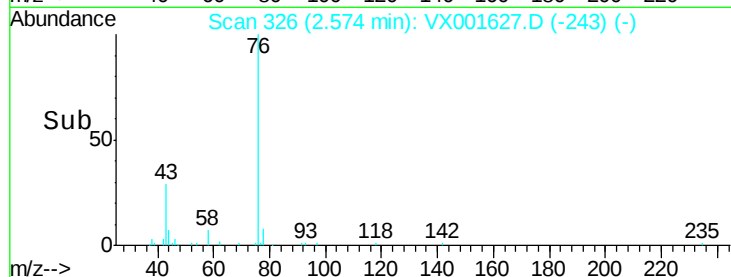
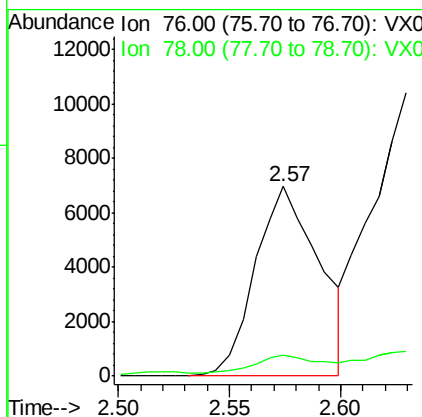
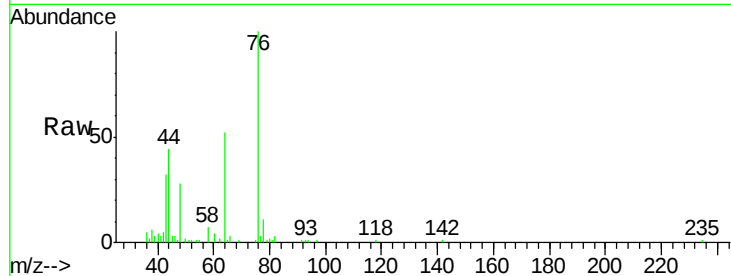
#16
Carbon Disulfide
Concen: 2.18 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

Tot Ion: 76 Resp: 13885
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

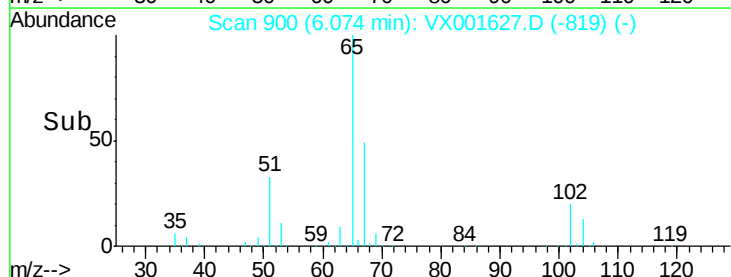
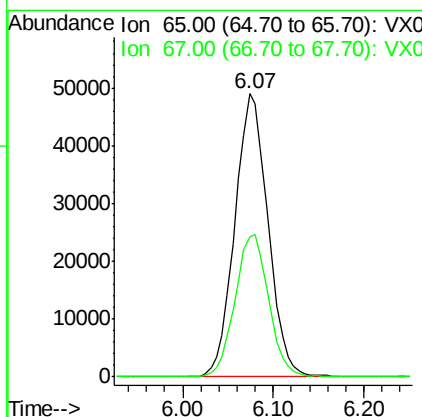
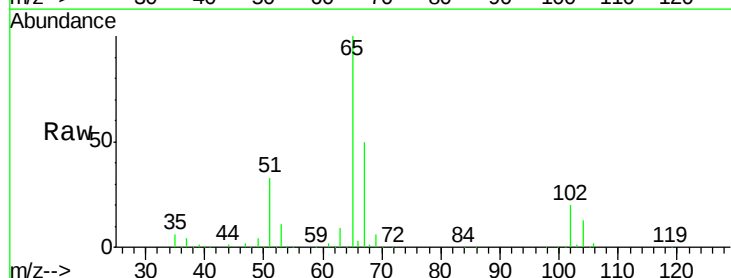
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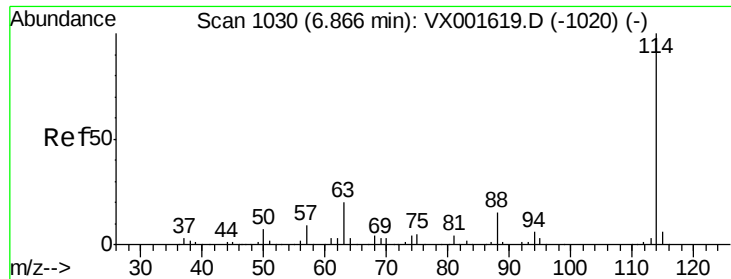
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#27
1,2-Dichloroethane-d4
Concen: 30.62 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Tgt Ion: 65 Resp: 124249
Ion Ratio Lower Upper
65 100
67 50.9 40.2 60.2





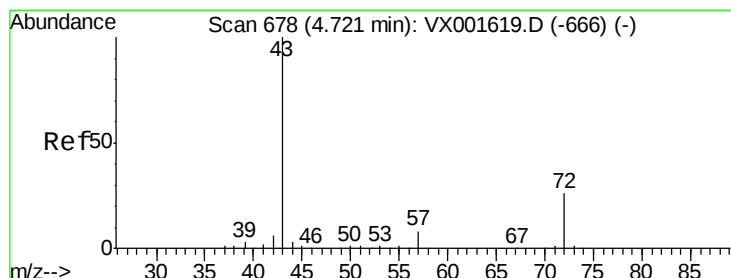
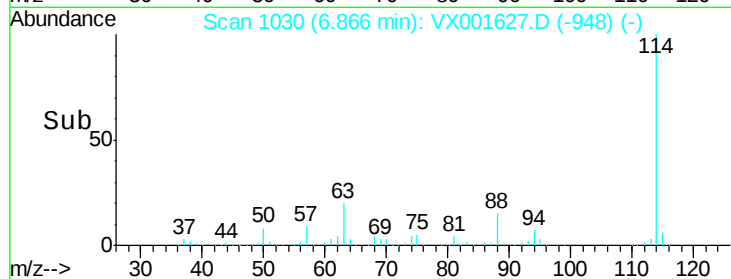
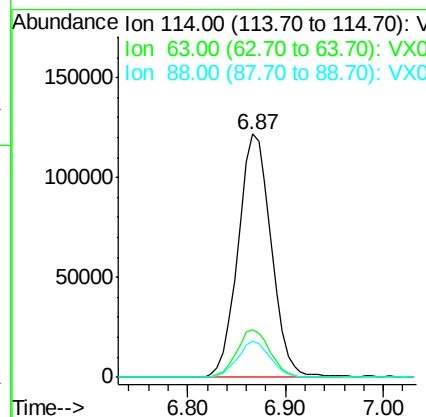
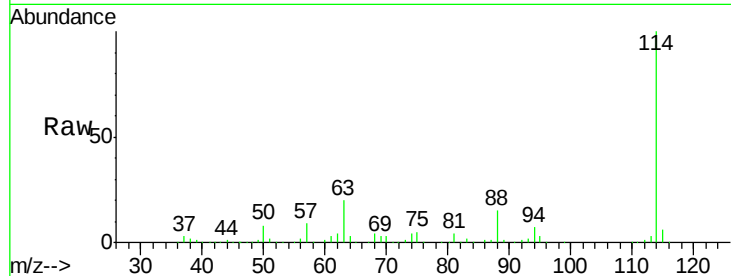
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001627.D
 Acq: 11 May 2018 03:29

Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	286814		
63	19.6		15.5	23.3
88	14.7		12.2	18.4

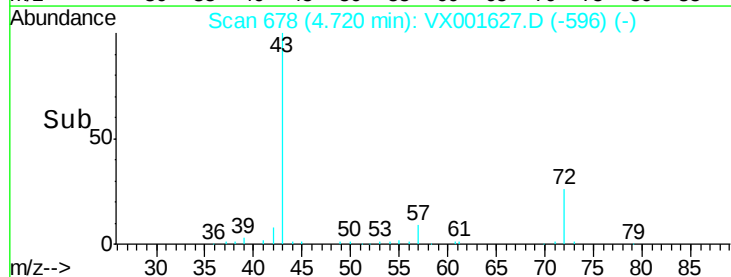
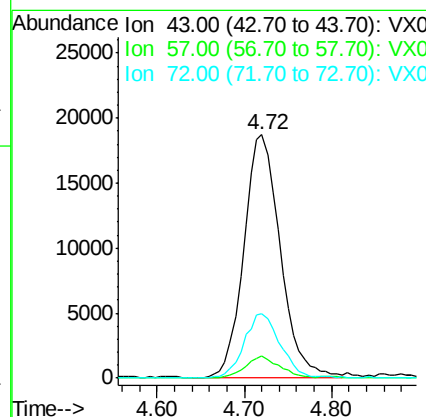
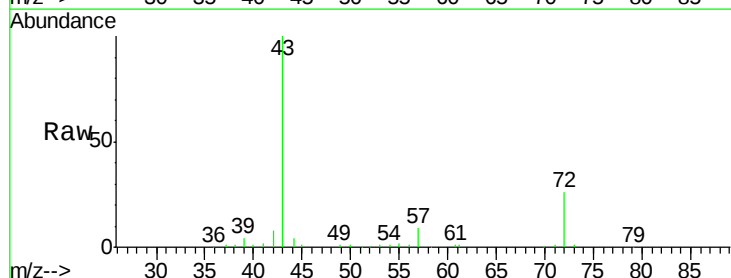
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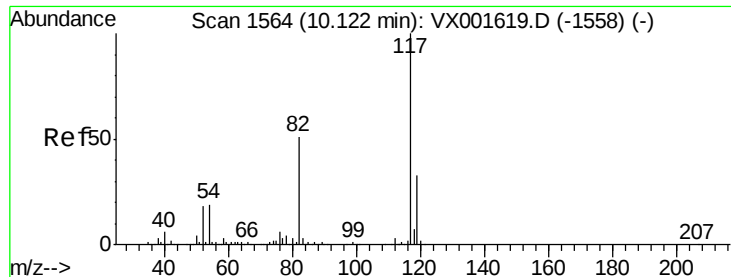
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#30
 2-Butanone
 Concen: 22.91 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VX001627.D
 Acq: 11 May 2018 03:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	54475		
57	8.5		6.3	9.5
72	25.9		20.2	30.4





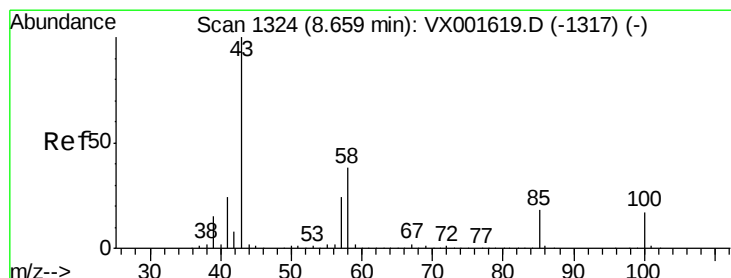
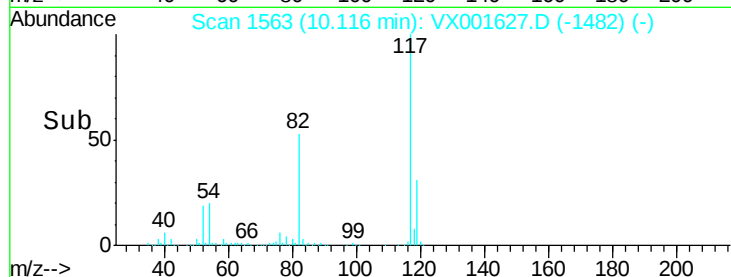
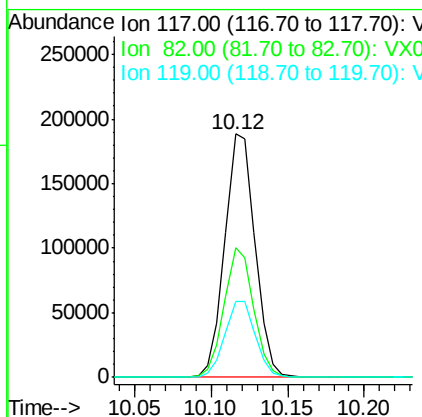
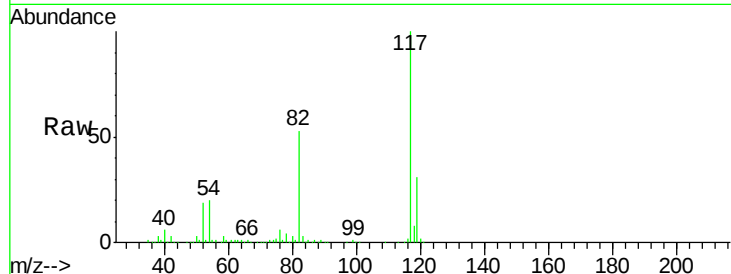
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258882		
82	52.0		42.2	63.2
119	31.7		26.3	39.5

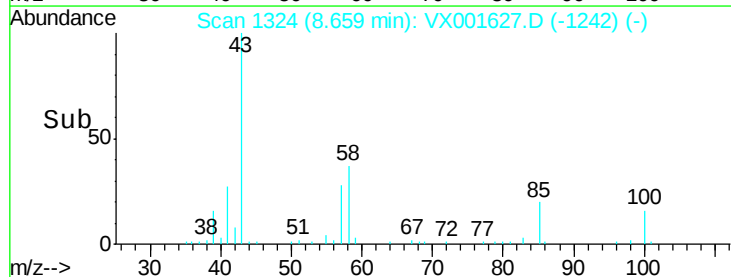
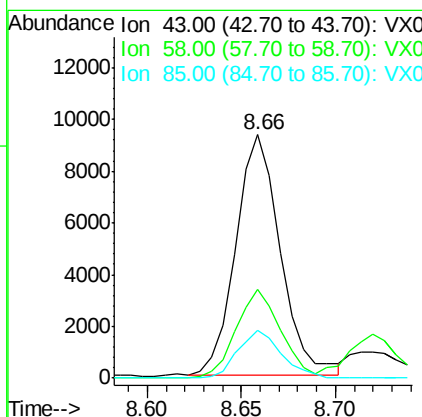
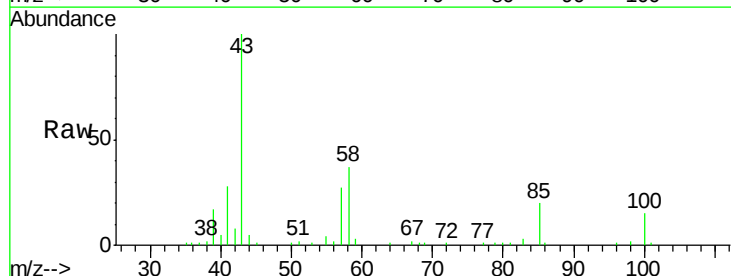
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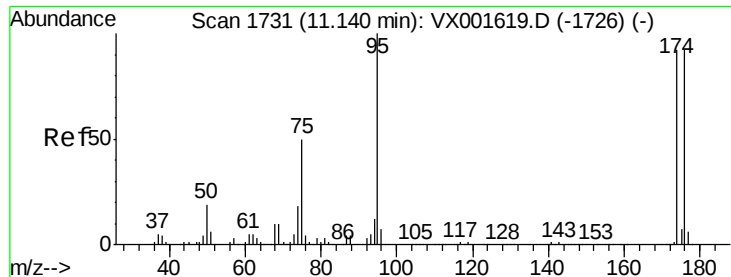
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#58
4-Methyl-2-Pentanone
Concen: 3.28 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	15265		
58	36.6		30.4	45.6
85	19.2		14.3	21.5





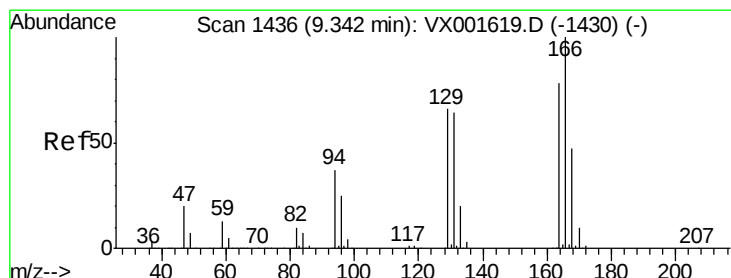
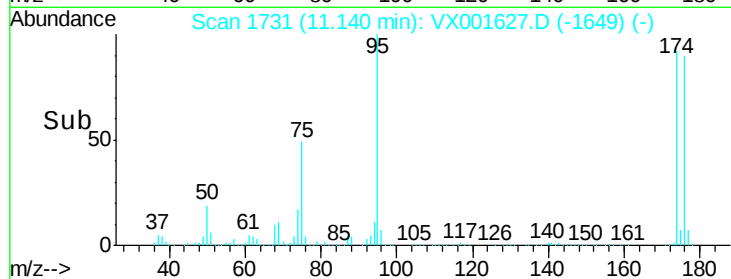
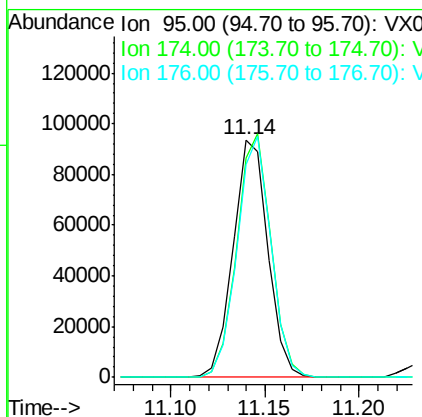
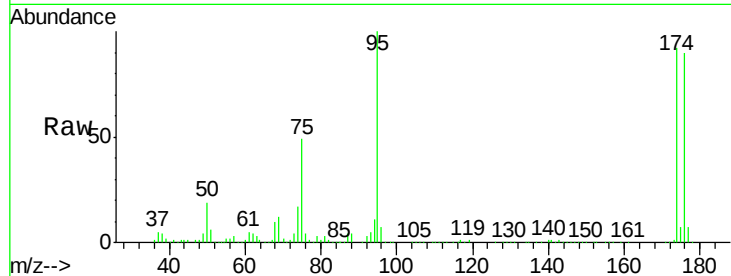
#60
4-Bromofluorobenzene
Concen: 29.25 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	119849		
174	100.5	80.2	120.2	
176	98.5	79.2	118.8	

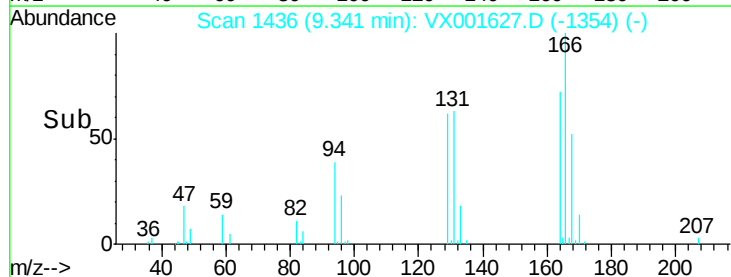
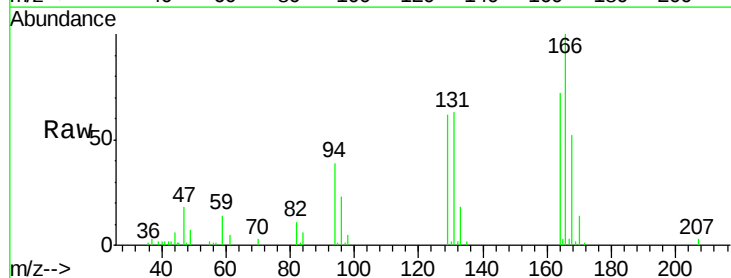
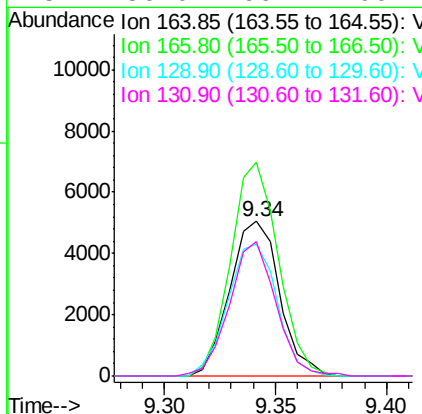
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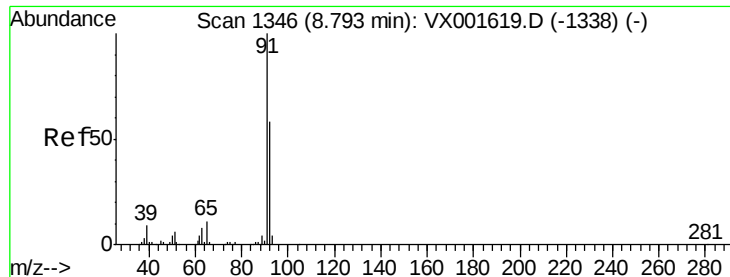
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#61
Tetrachloroethene
Concen: 2.09 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7862		
166	138.3	102.8	154.2	
129	85.4	67.8	101.8	
131	86.0	66.2	99.2	





#62

Toluene

Concen: 3.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001627.D

Acq: 11 May 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(MAY)

Tot Ion: 91 Resp: 40963

Ion Ratio Lower Upper

91 100

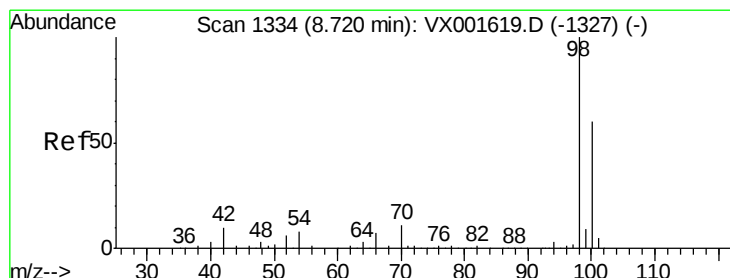
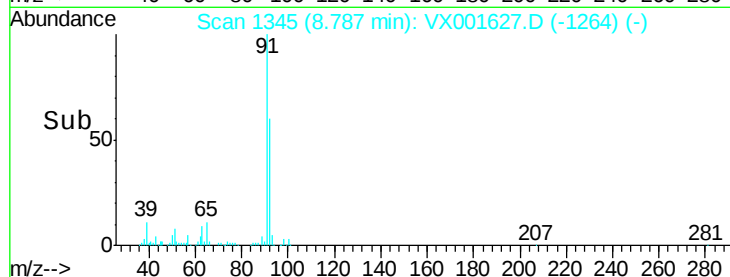
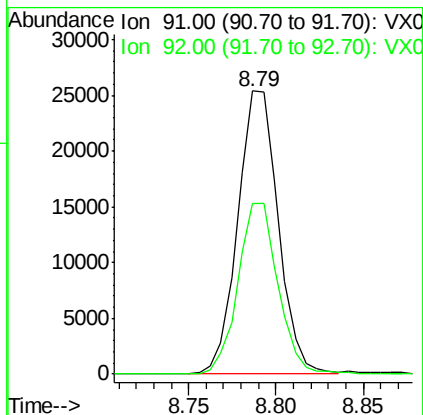
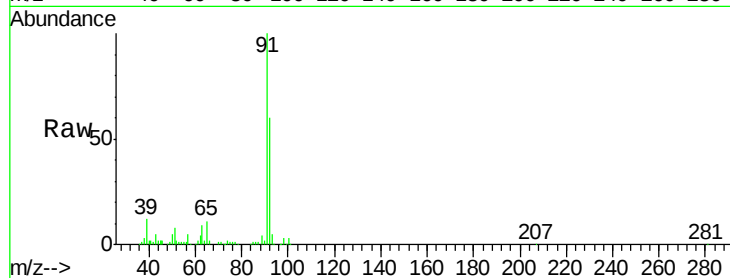
92 59.7 47.4 71.0

Manual Integrations

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#63

Toluene-d8

Concen: 29.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001627.D

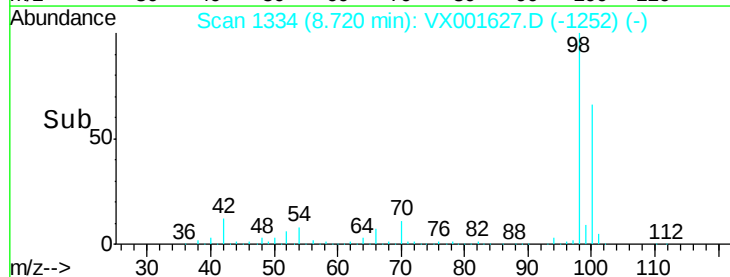
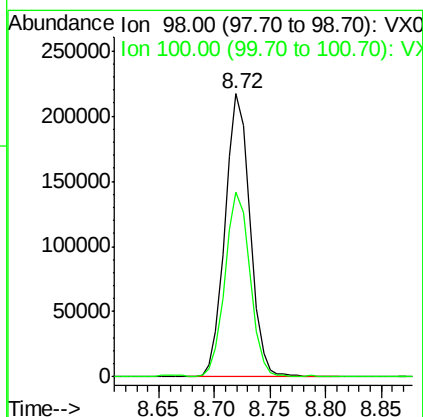
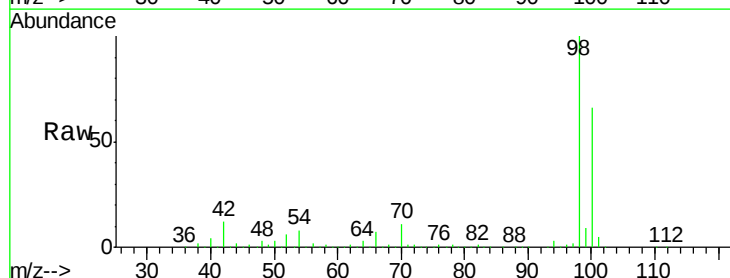
Acq: 11 May 2018 03:29

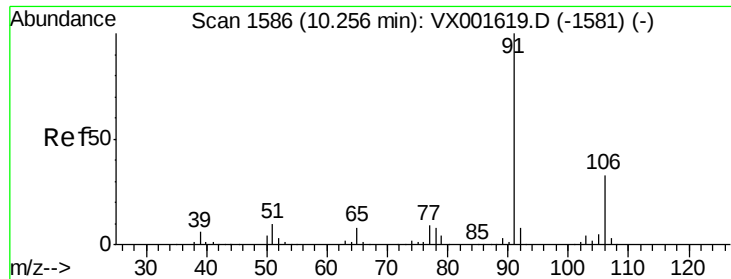
Tgt Ion: 98 Resp: 337520

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2





#66

Ethyl Benzene

Concen: 0.38 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001627.D

Acq: 11 May 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(MAY)

Tot Ion: 91 Resp: 4902

Ion Ratio Lower Upper

91 100

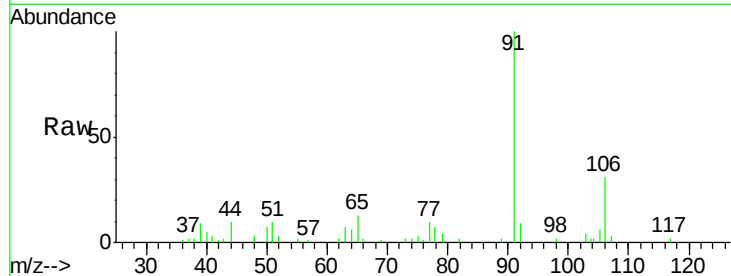
106 31.0 26.2 39.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001619.D (-1581) (-)

Ion 106.00 (105.70 to 106.70): VX001619.D (-1581) (-)

10.26

4000

3000

2000

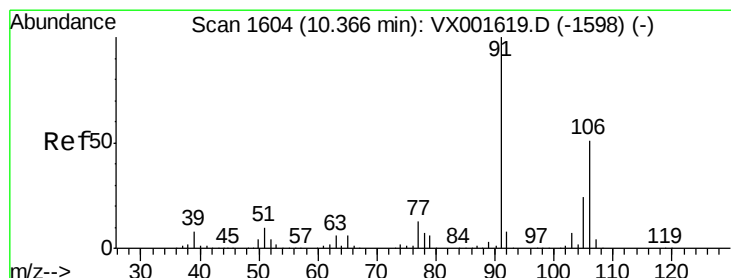
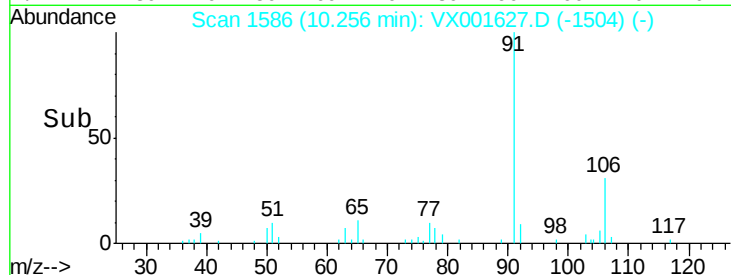
1000

0

10.25

10.30

Time-->



#67

m/p-Xylenes

Concen: 0.51 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001627.D

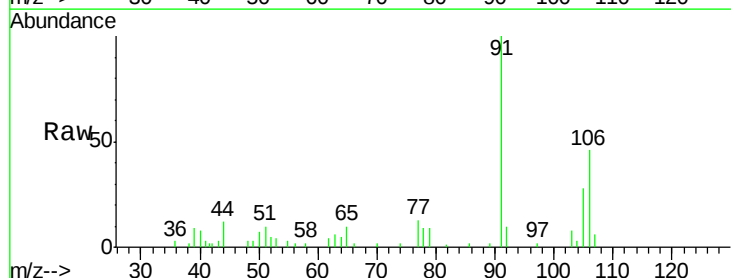
Acq: 11 May 2018 03:29

Tgt Ion: 106 Resp: 2613

Ion Ratio Lower Upper

106 100

91 196.2 157.8 236.8



Abundance Ion 106.00 (105.70 to 106.70): VX001619.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX001619.D (-1598) (-)

10.37

4000

3000

2000

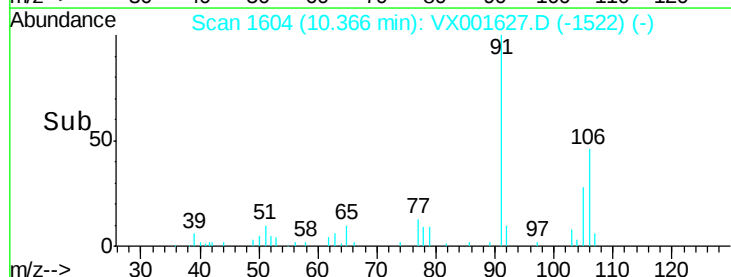
1000

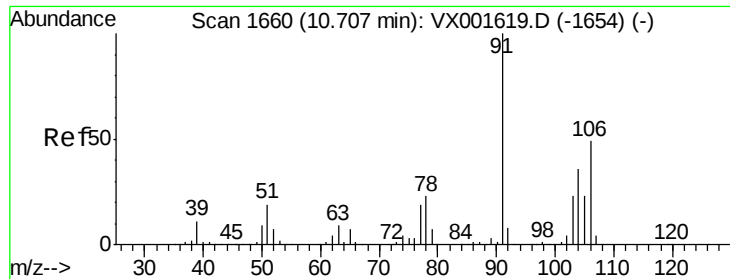
0

10.35

10.40

Time-->





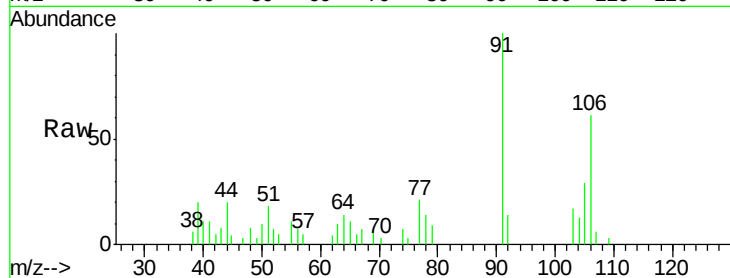
#68
o-Xylene
Concen: 0.26 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

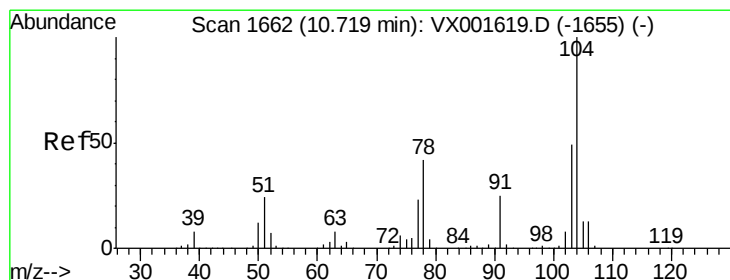
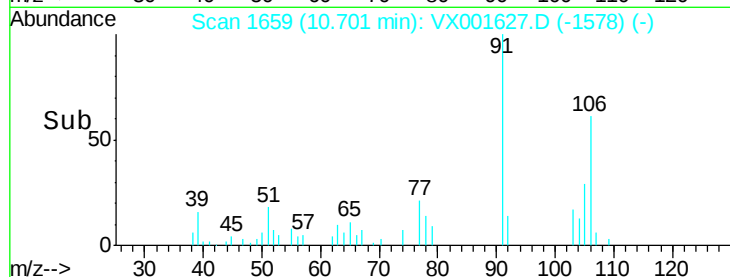
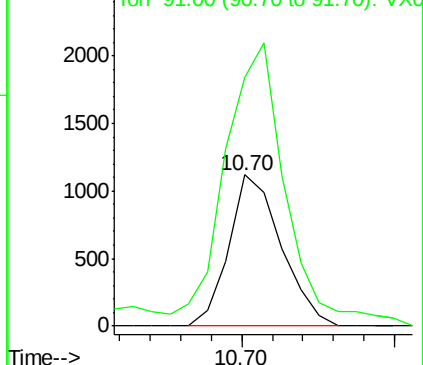
Tot Ion:106 Resp: 1324
Ion Ratio Lower Upper
106 100
91 219.1 104.3 312.8

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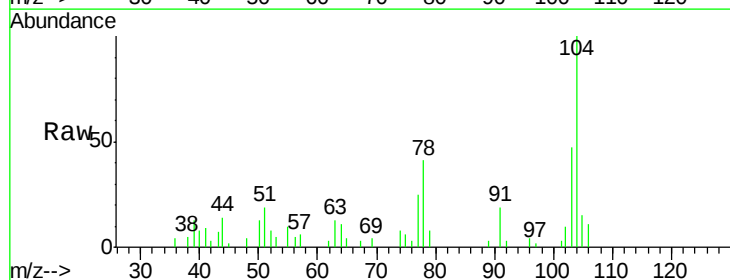


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

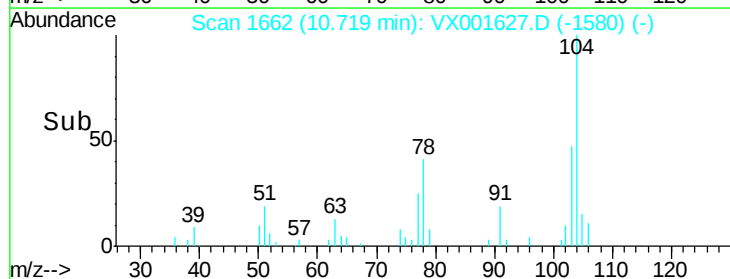
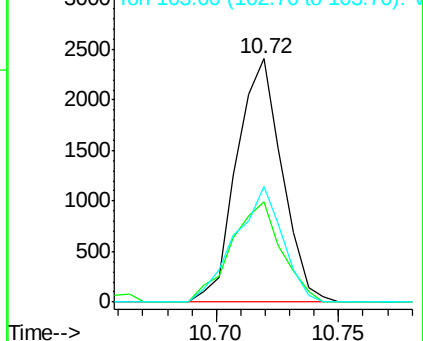


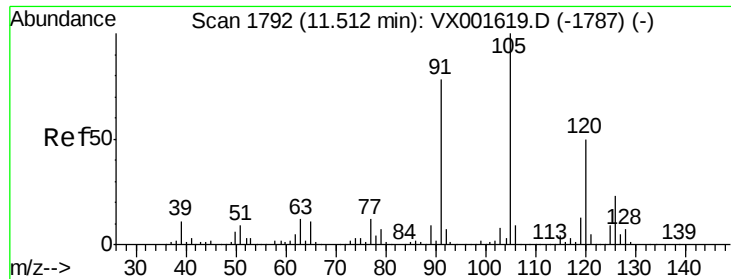
#69
Styrene
Concen: 0.37 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Tgt Ion:104 Resp: 3103
Ion Ratio Lower Upper
104 100
78 45.8 39.3 58.9
103 49.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





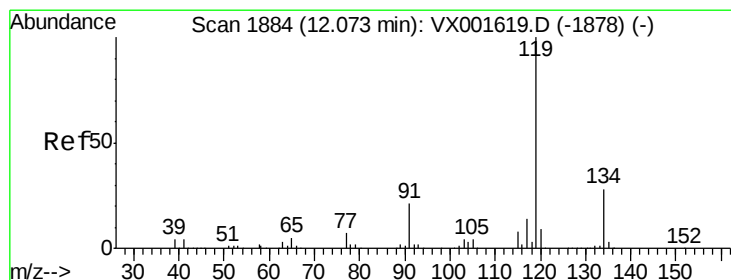
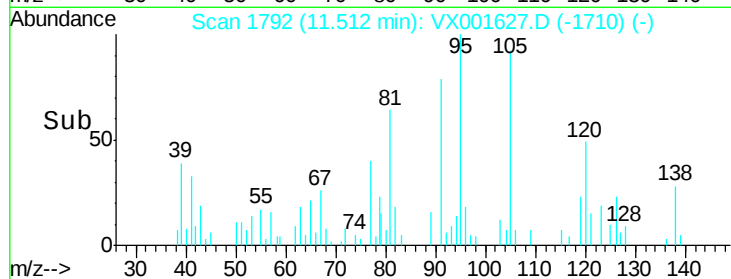
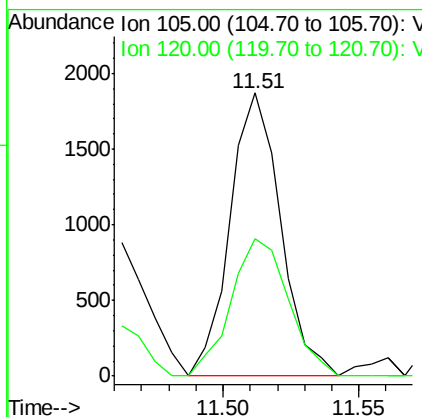
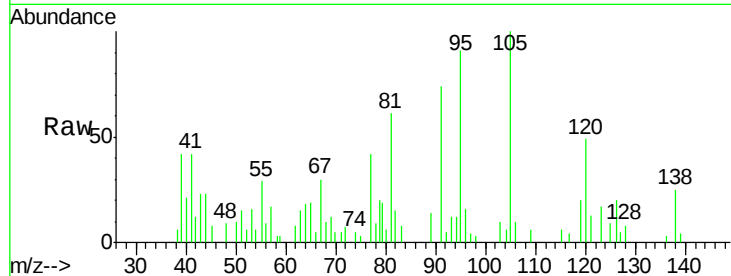
#76
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001627.D
 Acq: 11 May 2018 03:29

Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Lower	Upper
105	100		
120	55.3	0.0	101.8

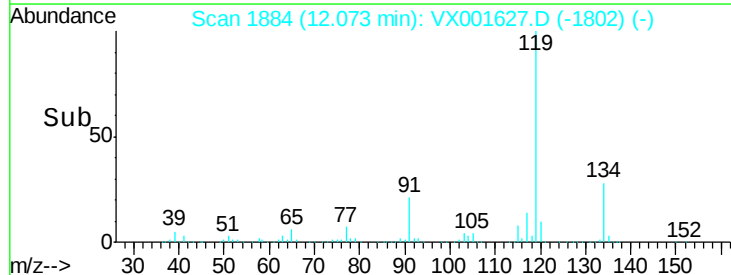
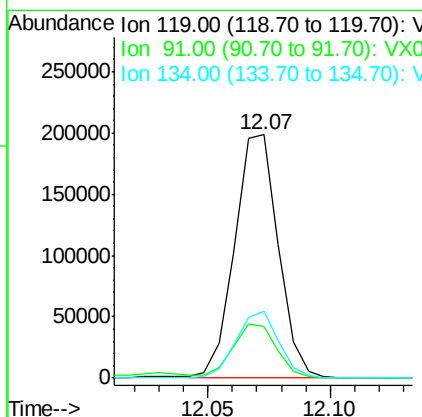
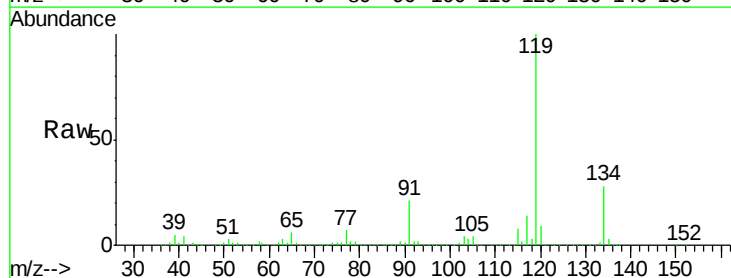
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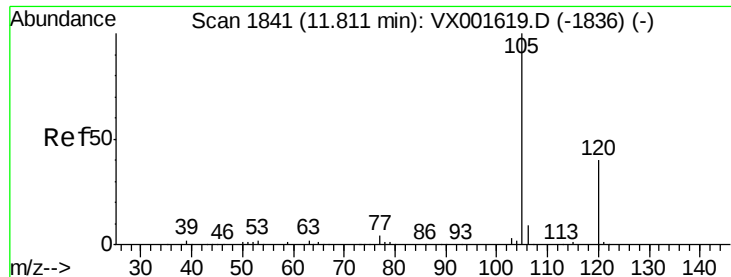
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#79
 tert-butylbenzene
 Concen: 20.93 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX001627.D
 Acq: 11 May 2018 03:29

Tgt Ion	Ratio	Lower	Upper
119	100		
91	22.3	0.0	44.0
134	27.1	0.0	53.8





#80

1,2,4-Trimethylbenzene

Concen: 1.38 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VX001627.D

Acq: 11 May 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(MAY)

Tot Ion:105 Resp: 15570

Ion Ratio Lower Upper

105 100

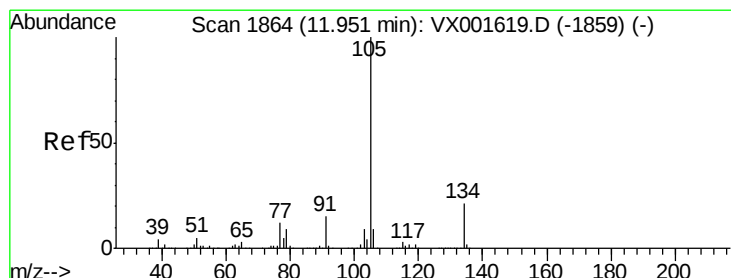
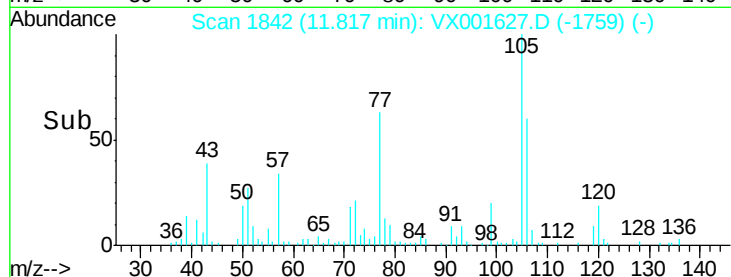
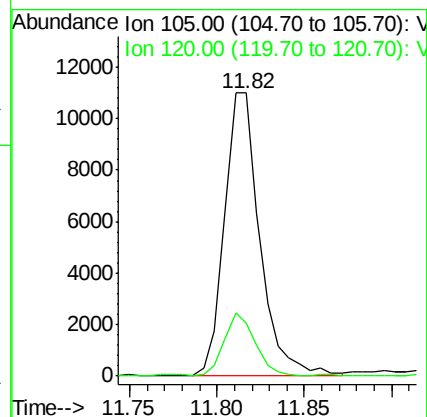
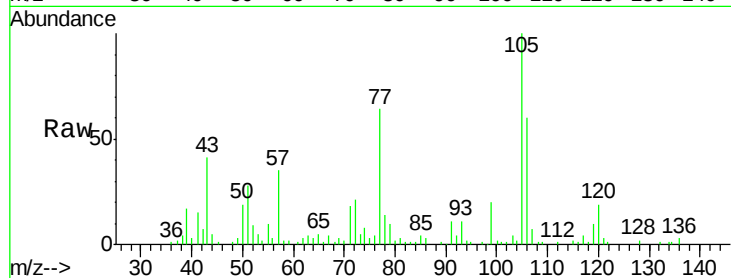
120 19.5 0.0 94.0

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#81

sec-Butylbenzene

Concen: 0.65 ug/l m

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001627.D

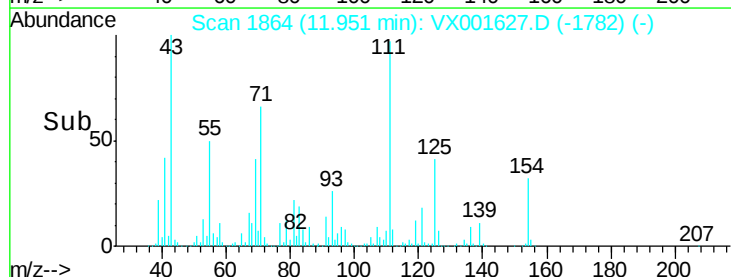
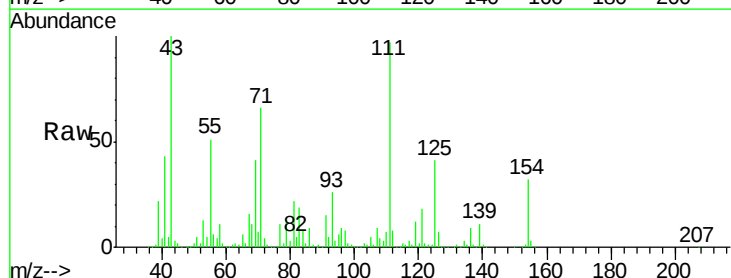
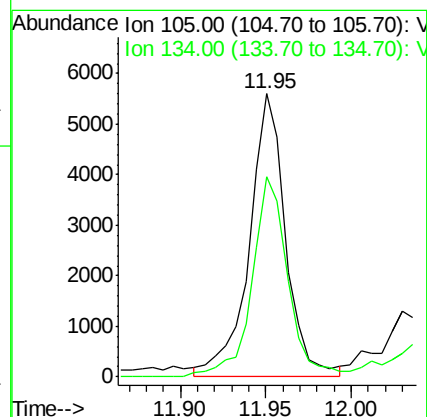
Acq: 11 May 2018 03:29

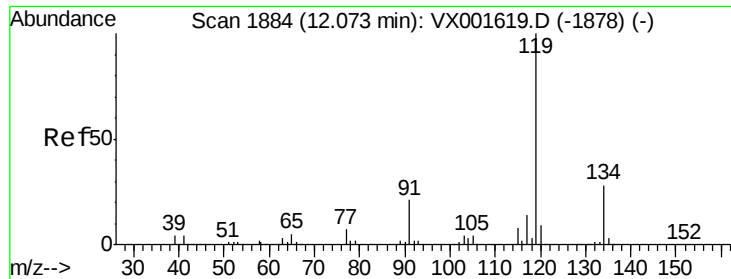
Tgt Ion:105 Resp: 8276

Ion Ratio Lower Upper

105 100

134 4.8 0.0 43.4





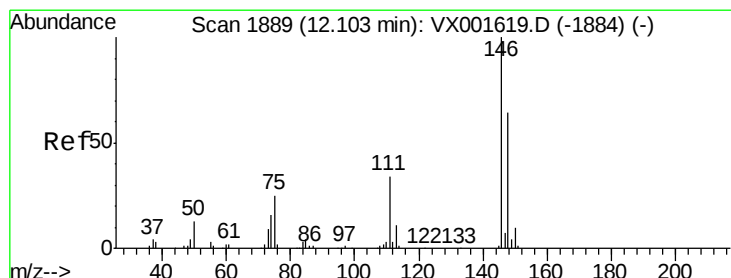
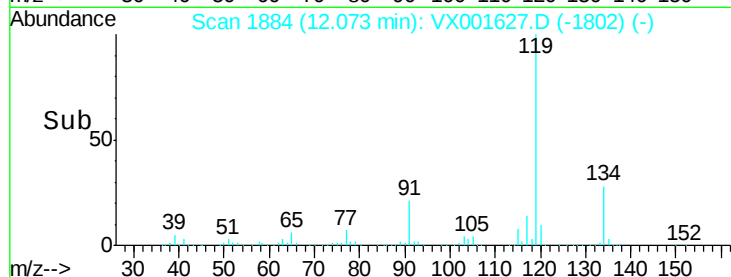
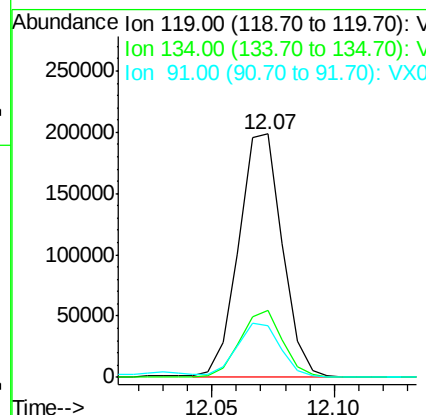
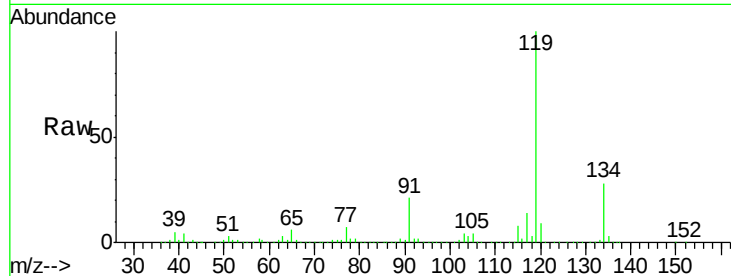
#82
p-Isopropyltoluene
Concen: 20.93 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	53.8
91	22.3	0.0	44.0

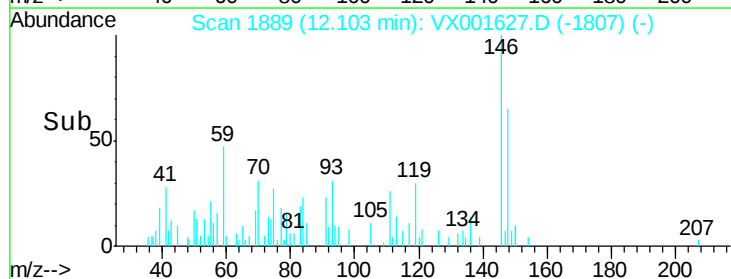
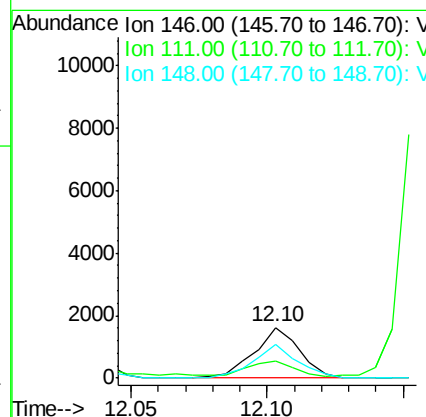
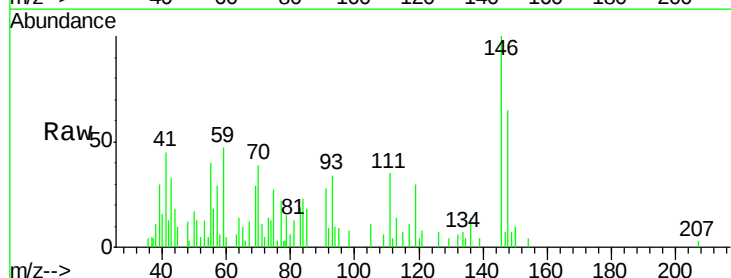
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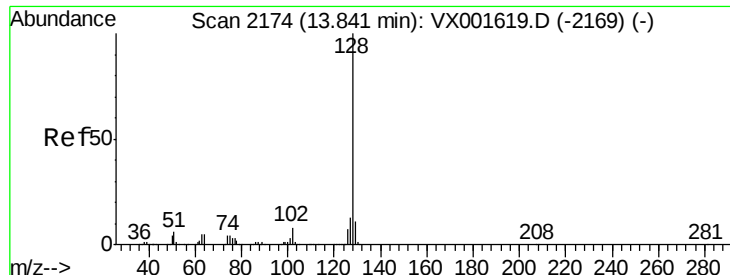
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#84
1,4-Dichlorobenzene
Concen: 0.27 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.4	52.3
148	62.1	32.5	97.4





#91
Naphthalene
Concen: 0.62 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001627.D
Acq: 11 May 2018 03:29

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAY)

Tot Ion	Ratio	Resp	Lower	Upper
128	100	9583		
127	16.1		10.3	15.5#
129	12.1		8.8	13.2

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