

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001319.D
 Acq On : 02 May 2018 16:13
 Operator : JC/MD
 Sample : J2507-04 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Manual Integrations
 APPROVED

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 5/3/2018 12:21:19 PM

Quant Time: May 03 05:28:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	155954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	208997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103290	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	115310	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
35) Dibromofluoromethane	5.51	113	96081	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	8.72	98	356454	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
62) 4-Bromofluorobenzene	11.14	95	116309	45.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.42%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	210146	117.87	ug/l	100
16) Acetone	2.45	43	34430	37.36	ug/l	100
24) 1,1-Dichloroethane	3.70	63	122648	41.77	ug/l	98
25) 2-Butanone	4.72	43	397239	318.82	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	11350	6.07	ug/l	96
49) 1,4-Dioxane	7.77	88	15738	397.85	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	129520	50.95	ug/l	99
52) Toluene	8.79	92	528857	116.60	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	4117	2.25	ug/l	95
65) Chlorobenzene	10.15	112	4058	0.80	ug/l	96
67) Ethyl Benzene	10.26	91	6033	0.72	ug/l	90
68) m/p-Xylenes	10.36	106	4155	1.26	ug/l	94
69) o-Xylene	10.71	106	2030	0.64	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	1072	0.29	ug/l	81
88) 1,4-Dichlorobenzene	12.10	146	4760m	1.24	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	26982	7.29	ug/l	98
95) Naphthalene	13.84	128	6579	0.87	ug/l	99

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

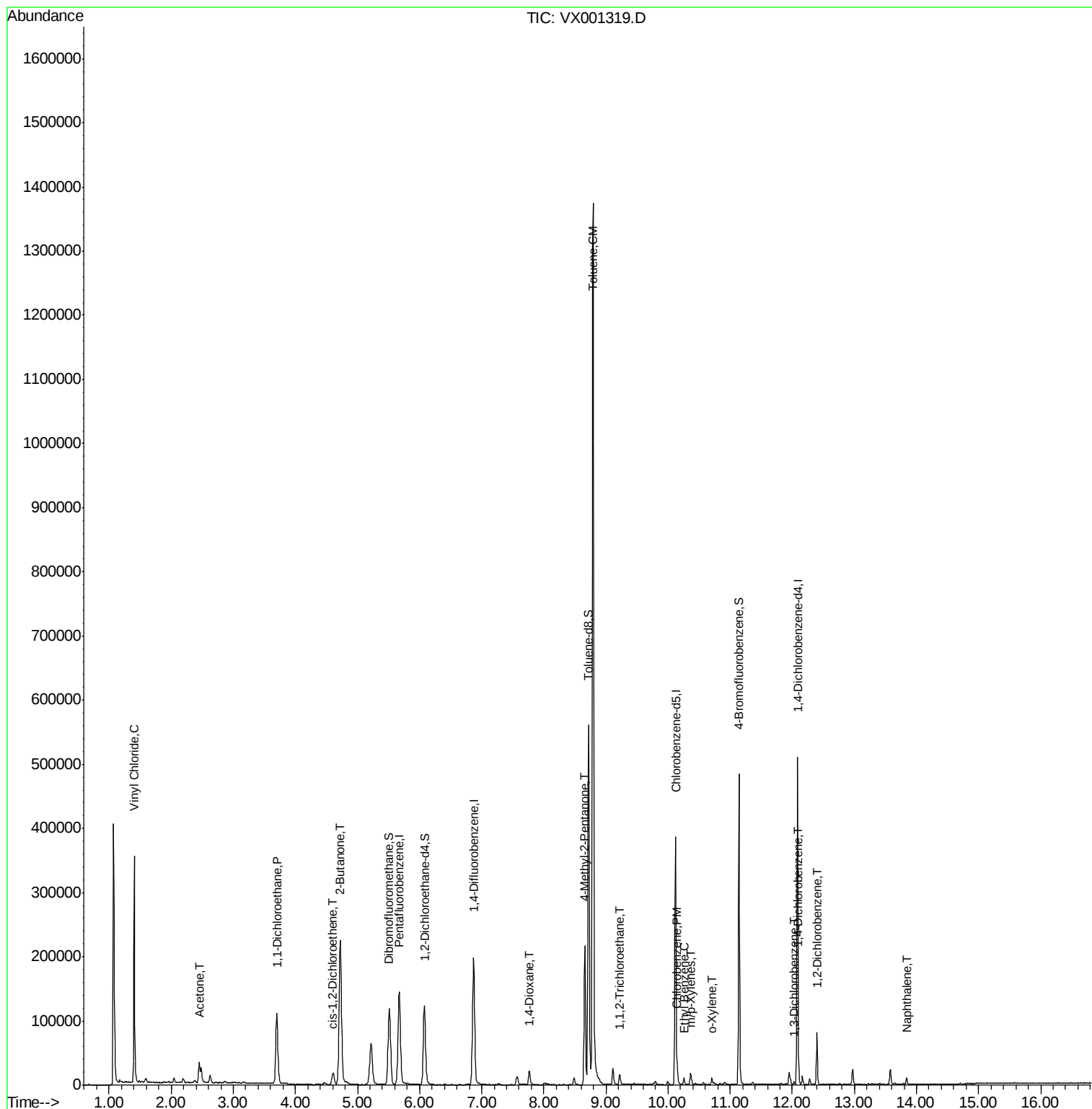
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
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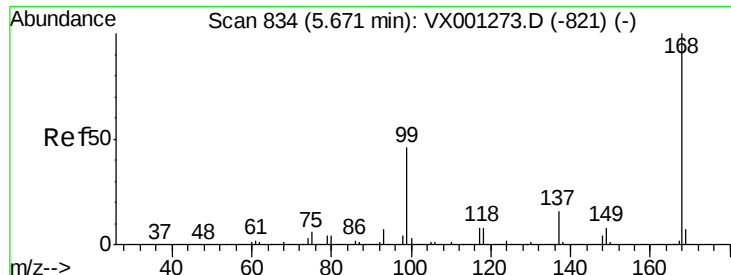
Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

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Quant Time: May 03 05:28:56 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001319.D

Acq: 02 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

Tot Ion:168 Resp: 155954

Ion Ratio Lower Upper

168 100

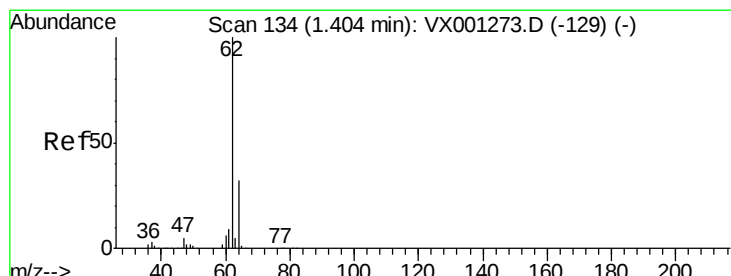
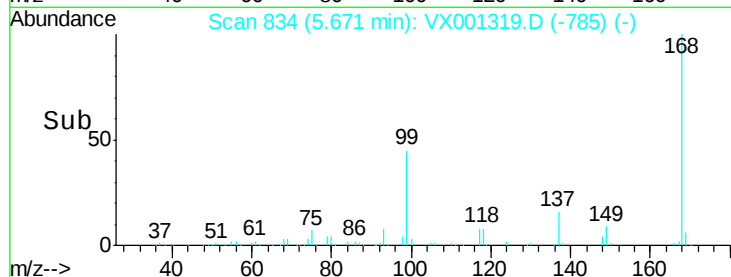
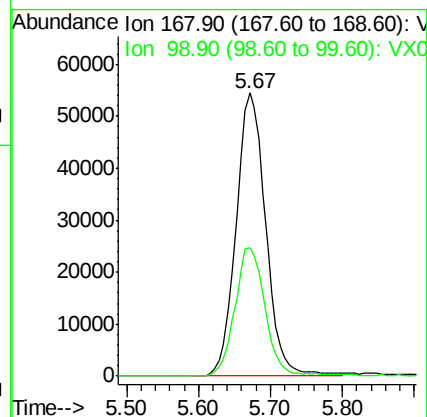
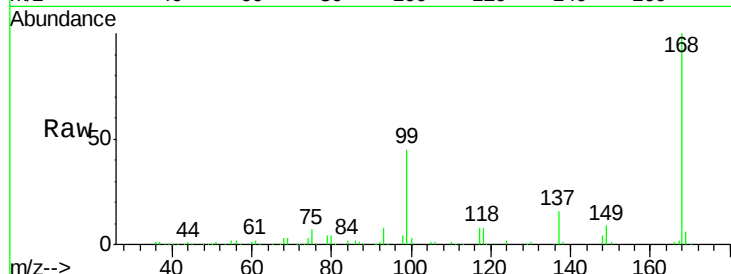
99 45.4 36.5 54.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 117.87 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001319.D

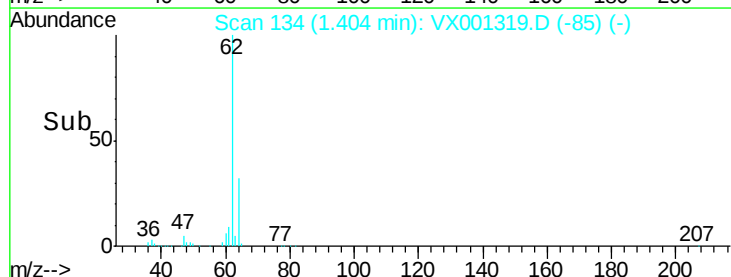
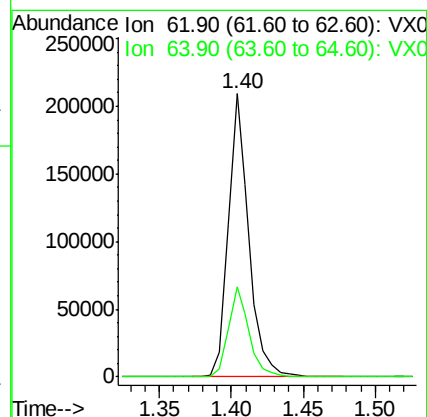
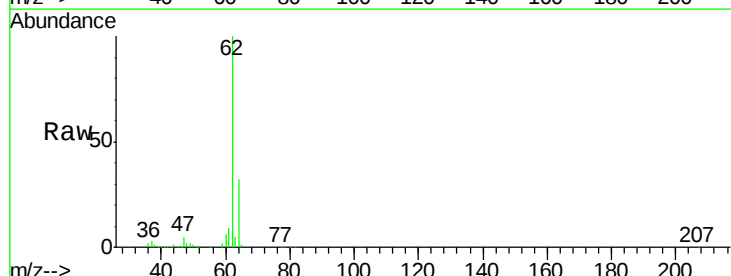
Acq: 02 May 2018 16:13

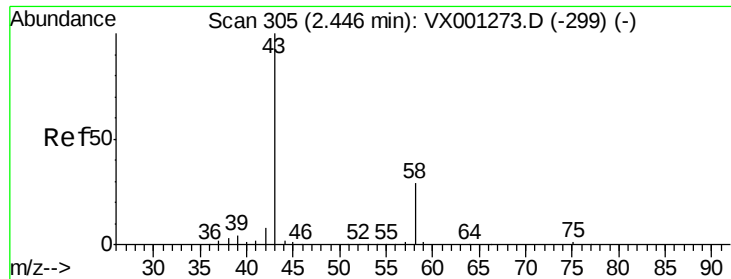
Tgt Ion: 62 Resp: 210146

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





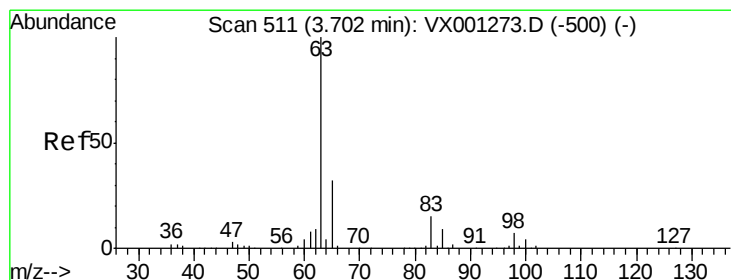
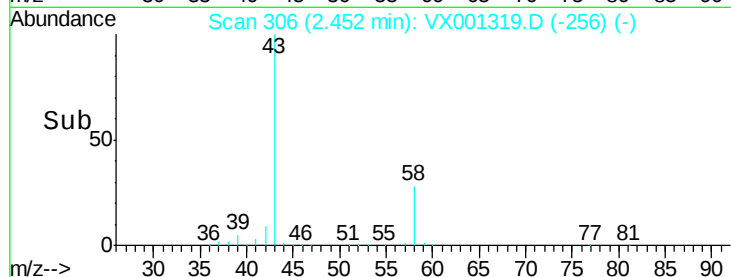
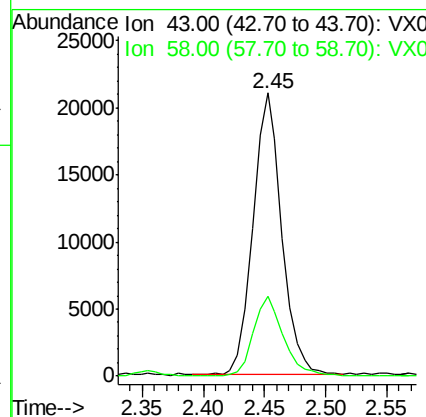
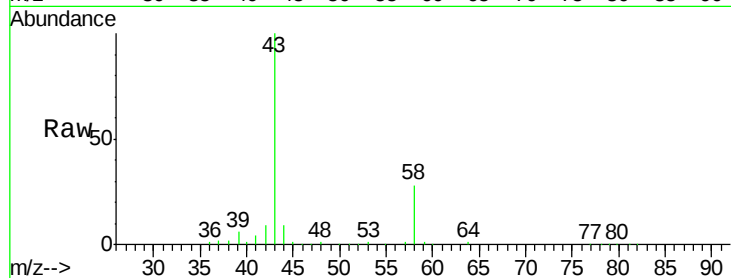
#16
Acetone
Concen: 37.36 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion: 43 Resp: 34430
Ion Ratio Lower Upper
43 100
58 28.3 22.8 34.2

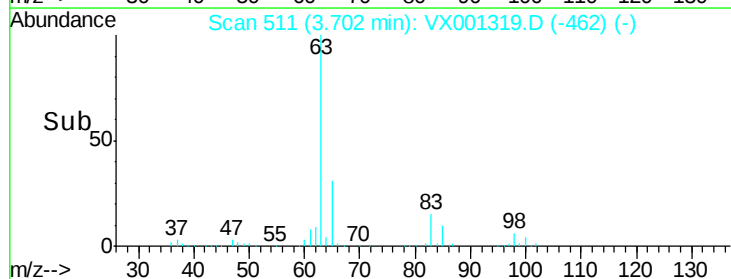
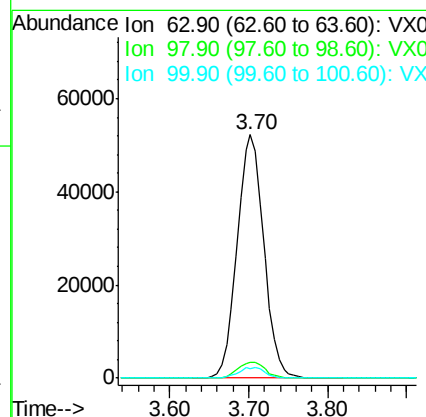
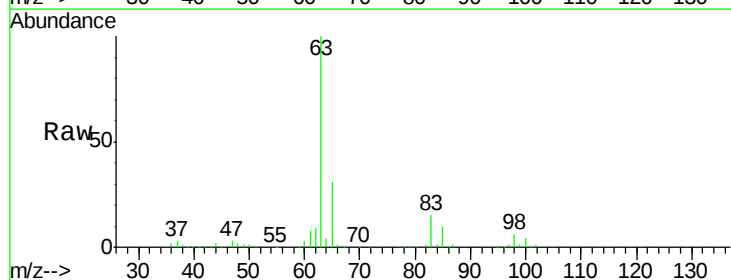
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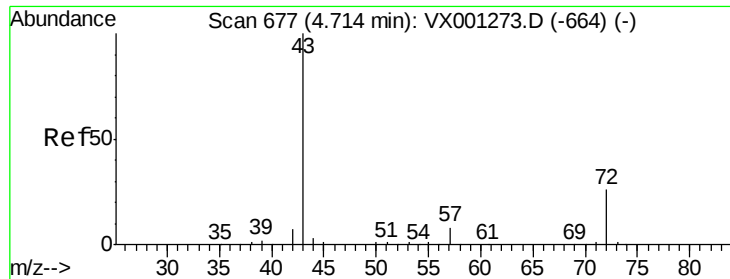
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#24
1,1-Dichloroethane
Concen: 41.77 ug/l
RT: 3.70 min Scan# 511
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Tgt Ion: 63 Resp: 122648
Ion Ratio Lower Upper
63 100
98 6.5 3.5 10.5
100 3.8 2.3 6.8





#25

2-Butanone

Concen: 318.82 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001319.D

Acq: 02 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

Tot Ion: 43 Resp: 397239

Ion Ratio Lower Upper

43 100

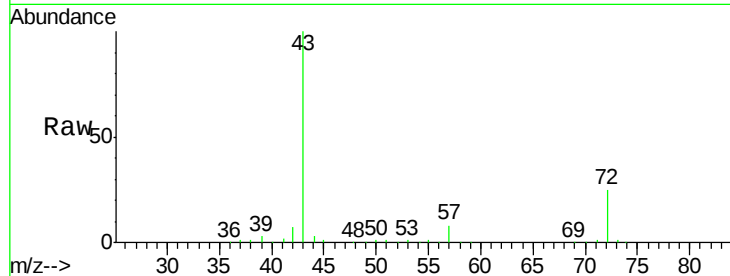
72 25.3 20.5 30.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

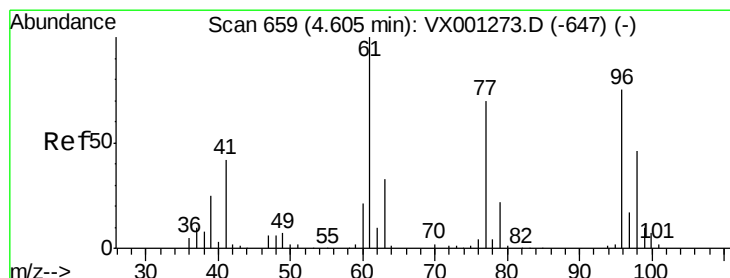
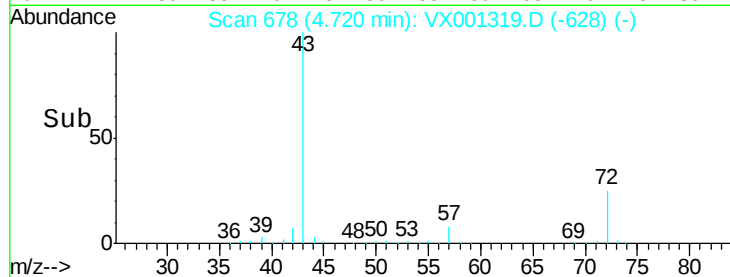
100000

50000

0

4.60 4.70 4.80 4.90

Time-->



#27

cis-1,2-Dichloroethene

Concen: 6.07 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001319.D

Acq: 02 May 2018 16:13

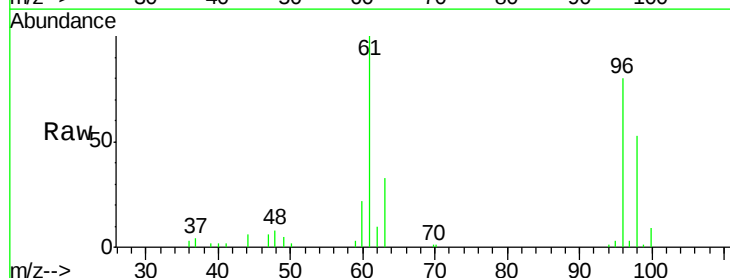
Tgt Ion: 96 Resp: 11350

Ion Ratio Lower Upper

96 100

61 137.4 0.0 288.0

98 63.4 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6000

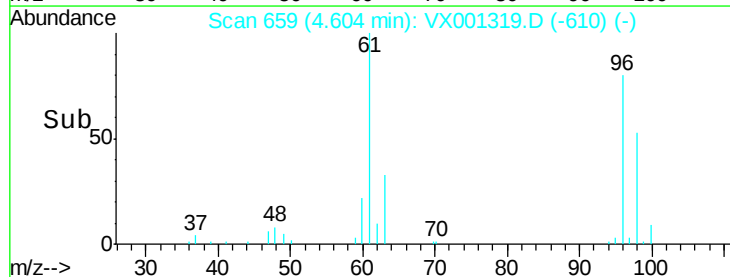
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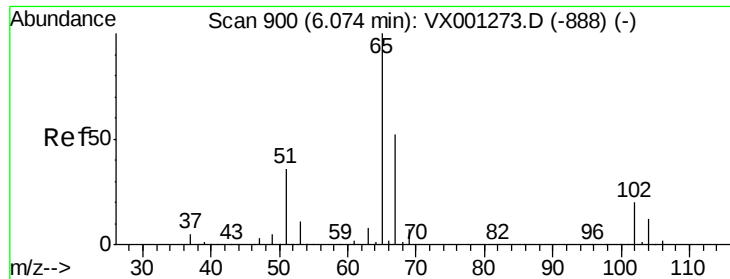
2000

0

4.50 4.60 4.70

Time-->





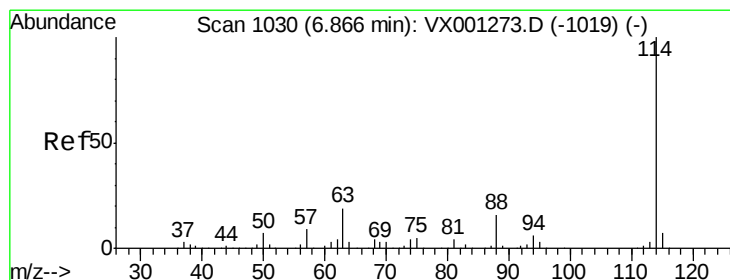
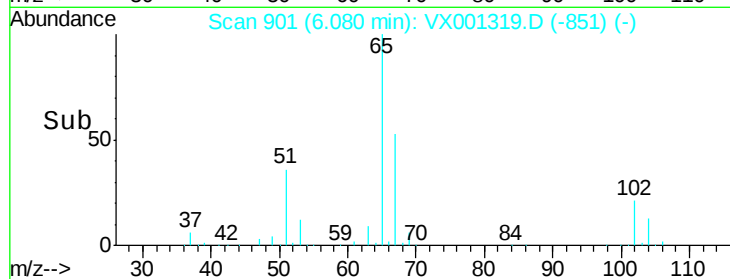
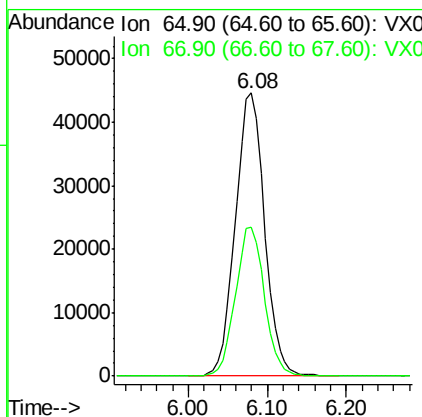
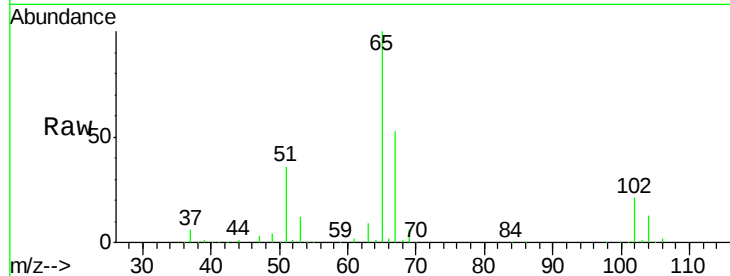
#33
 1,2-Dichloroethane-d4
 Concen: 53.41 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001319.D
 Acq: 02 May 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115310		
67	52.2	0.0	102.8	

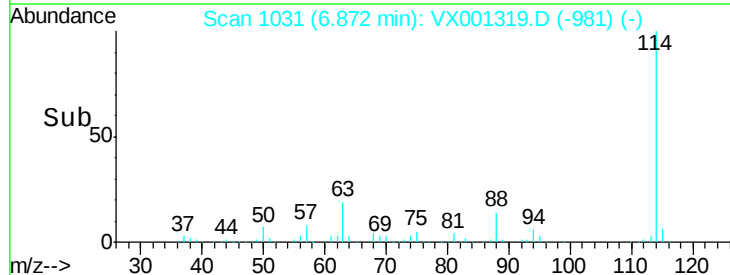
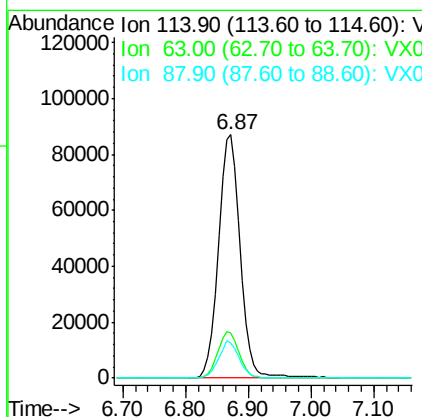
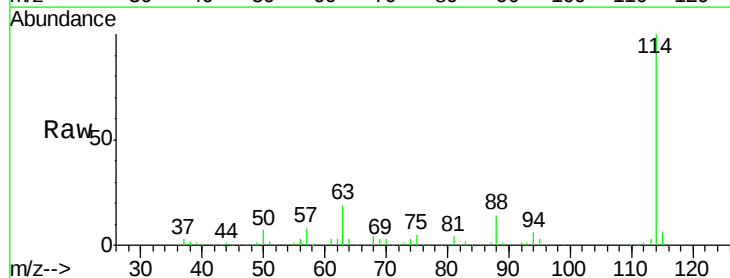
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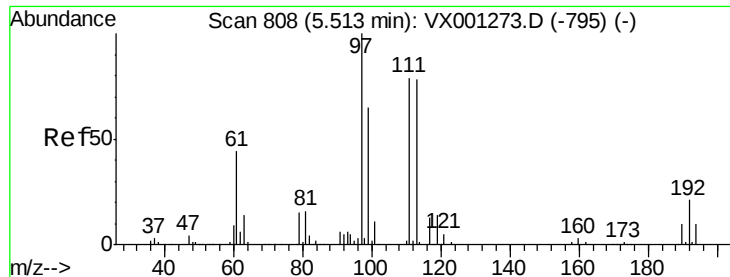
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001319.D
 Acq: 02 May 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	208997		
63	18.7	0.0	38.8	
88	14.1	0.0	32.2	





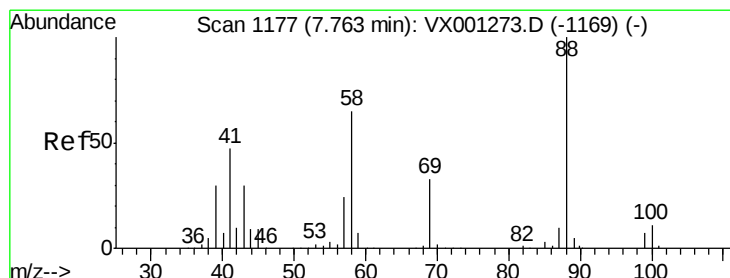
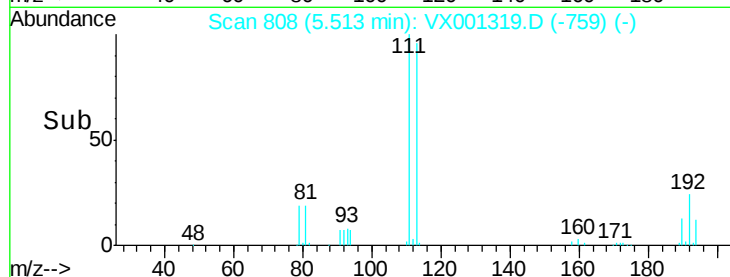
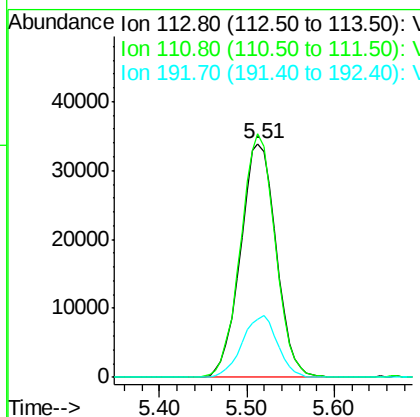
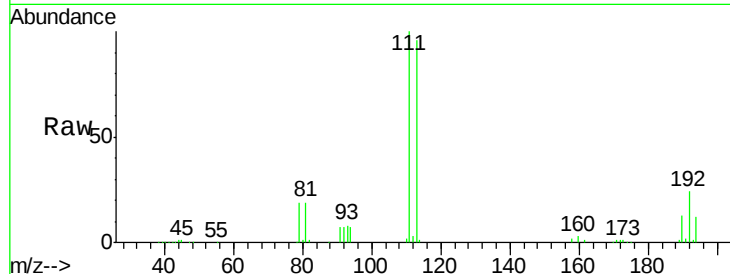
#35
 Dibromofluoromethane
 Concen: 53.36 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001319.D
 Acq: 02 May 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.2	121.8
192	26.3	20.7	31.1

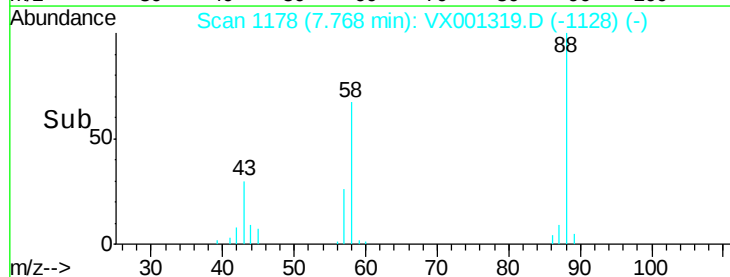
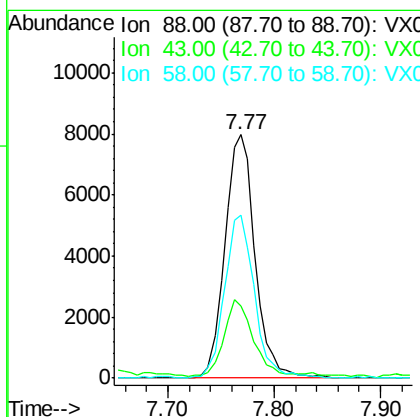
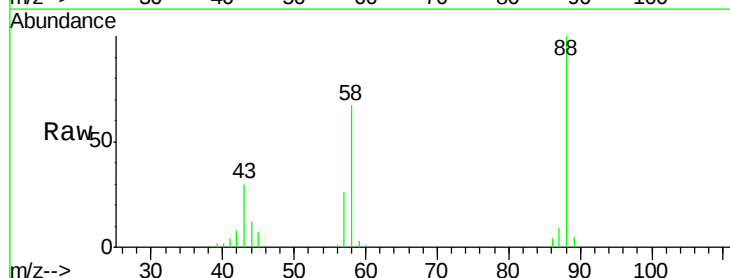
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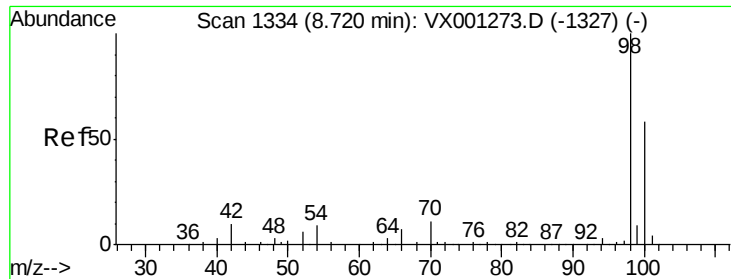
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#49
 1,4-Dioxane
 Concen: 397.85 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001319.D
 Acq: 02 May 2018 16:13

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.3	27.9	41.9
58	66.8	54.2	81.2





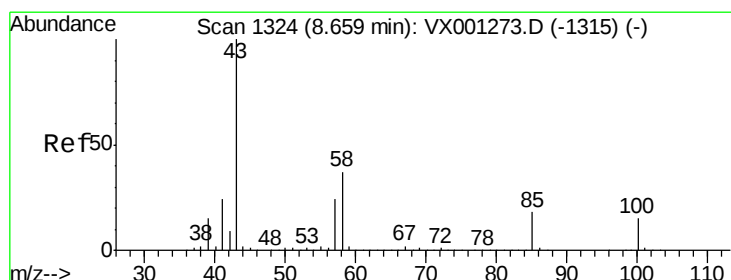
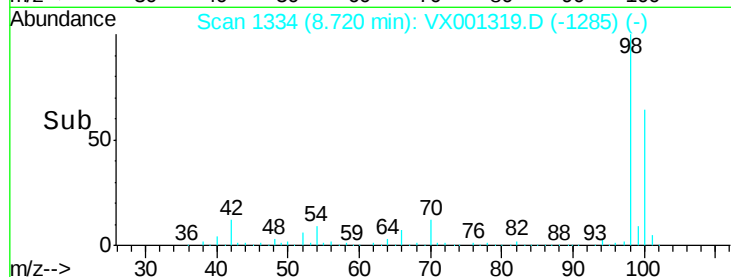
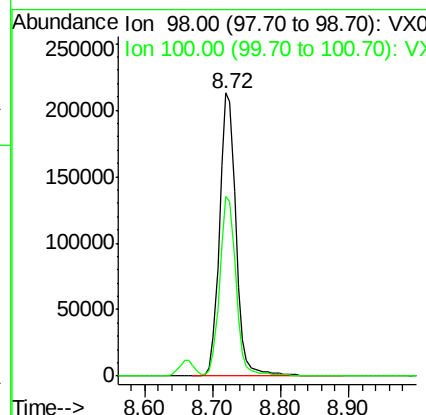
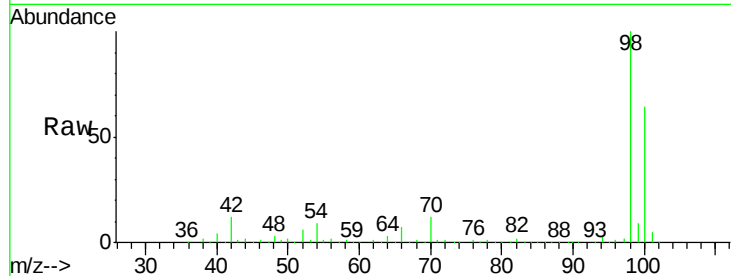
#50
Toluene-d8
Concen: 55.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion: 98 Resp: 356454
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4

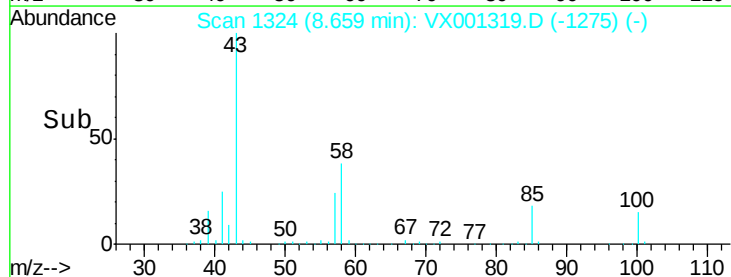
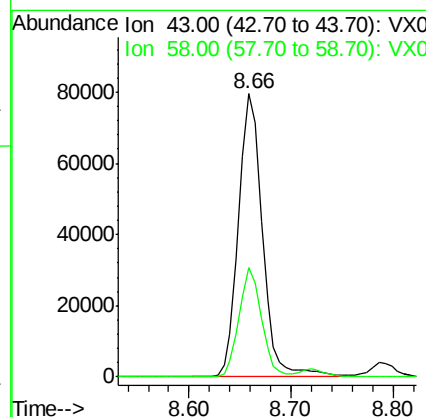
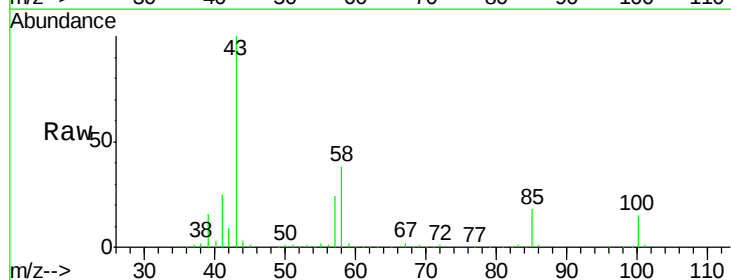
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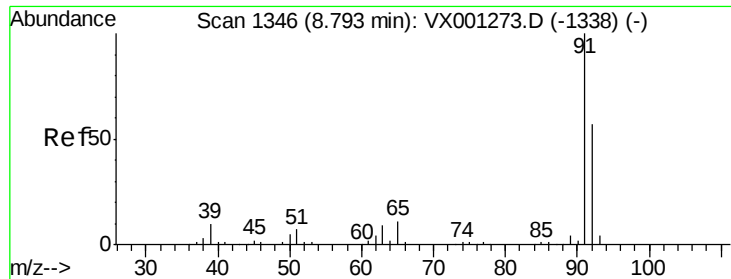
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#51
4-Methyl-2-Pentanone
Concen: 50.95 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Tgt Ion: 43 Resp: 129520
Ion Ratio Lower Upper
43 100
58 36.0 29.0 43.6





#52

Toluene

Concen: 116.60 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001319.D

Acq: 02 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

Tot Ion: 92 Resp: 528857

Ion Ratio Lower Upper

92 100

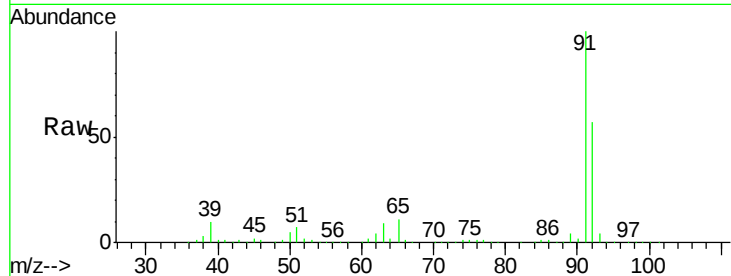
91 174.7 139.0 208.6

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

600000

400000

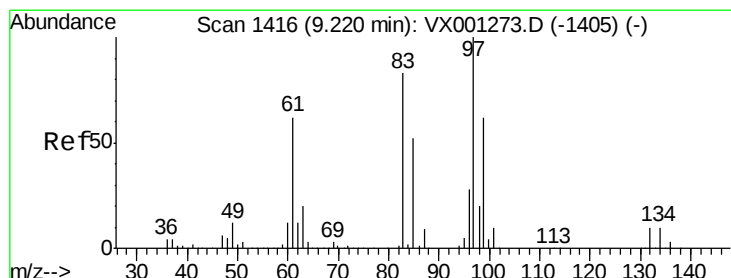
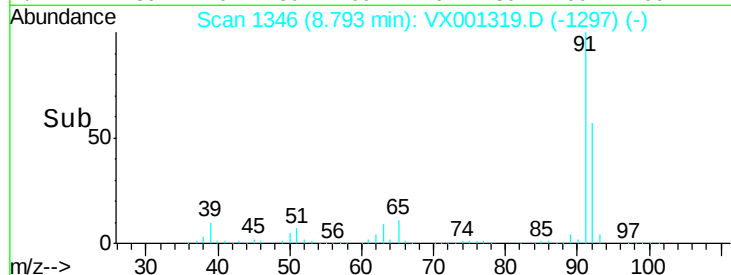
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0

8.79

8.70 8.80 8.90 9.00

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.25 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX001319.D

Acq: 02 May 2018 16:13

Tgt Ion: 97 Resp: 4117

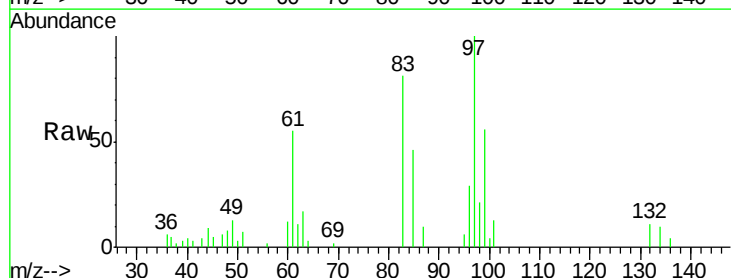
Ion Ratio Lower Upper

97 100

83 80.8 66.4 99.6

85 46.5 41.6 62.4

99 56.1 49.3 73.9



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

4000

3000

2000

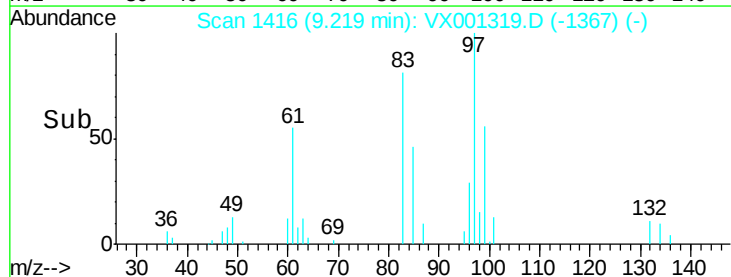
1000

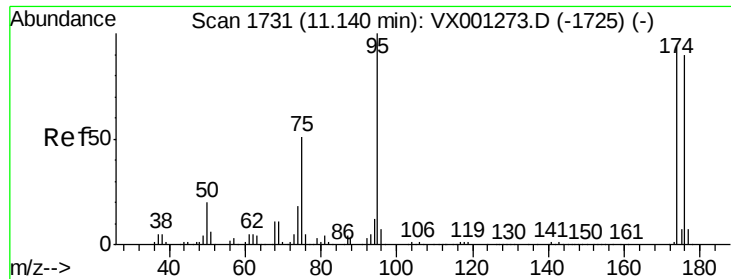
0

9.22

9.15 9.20 9.25

Time-->





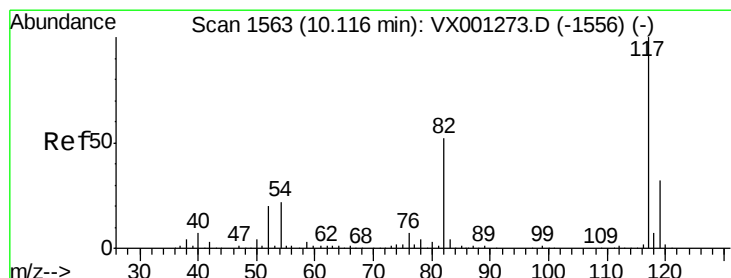
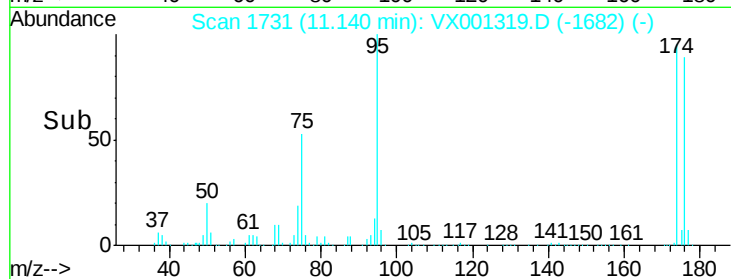
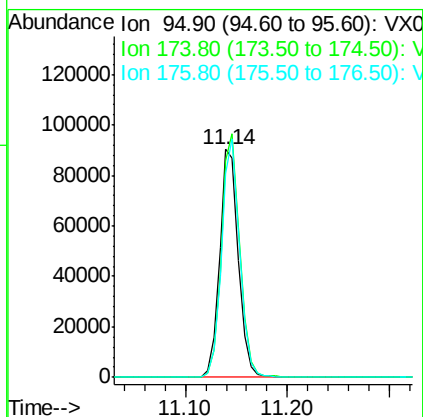
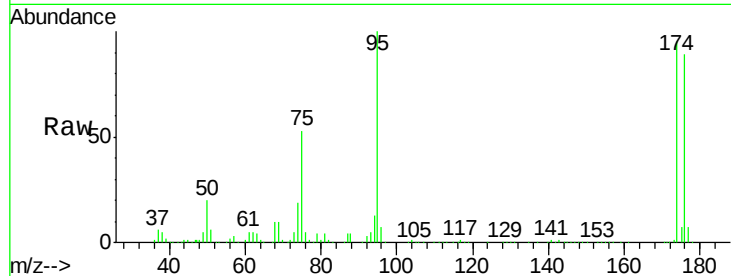
#62
4-Bromofluorobenzene
Concen: 45.21 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion	Ratio	Resp	Lower	Upper
95	100	116309		
174	104.2	0.0	201.8	
176	100.4	0.0	197.2	

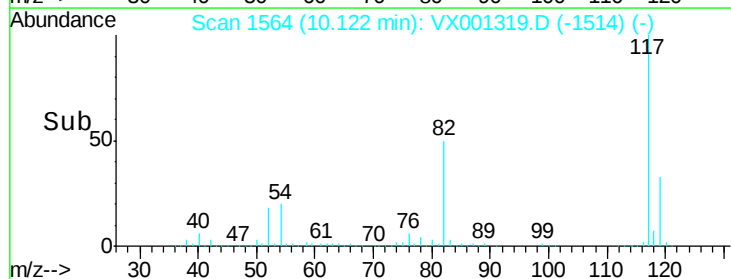
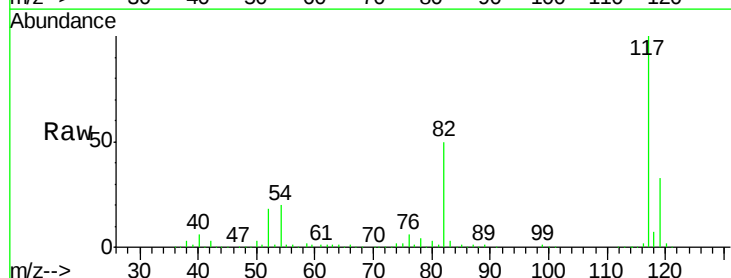
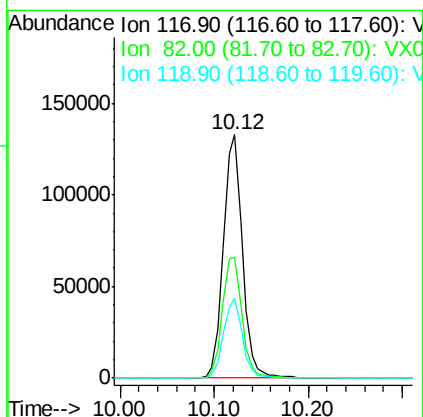
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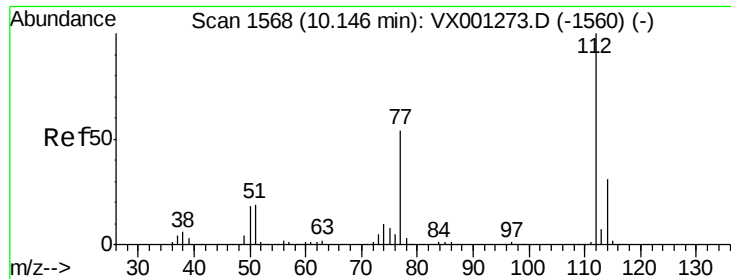
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5/3/2018 12:21:19 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	186498		
82	49.8	41.4	62.0	
119	32.7	25.5	38.3	





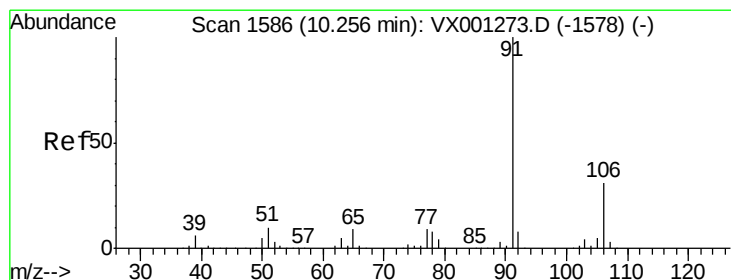
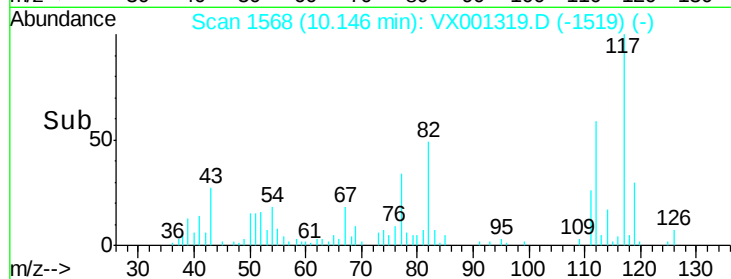
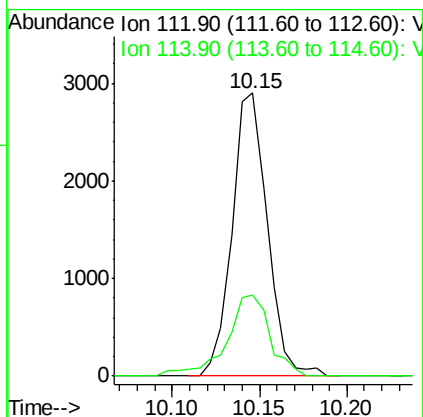
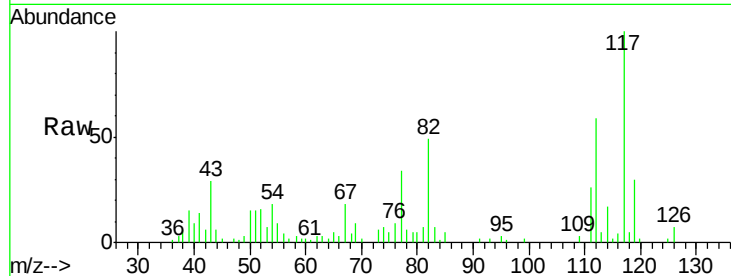
#65
Chlorobenzene
Concen: 0.80 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion:112 Resp: 4058
Ion Ratio Lower Upper
112 100
114 28.8 24.8 37.2

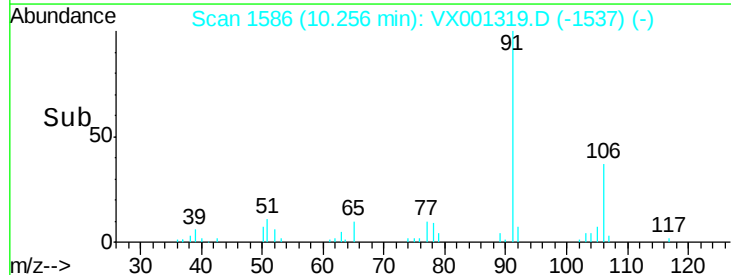
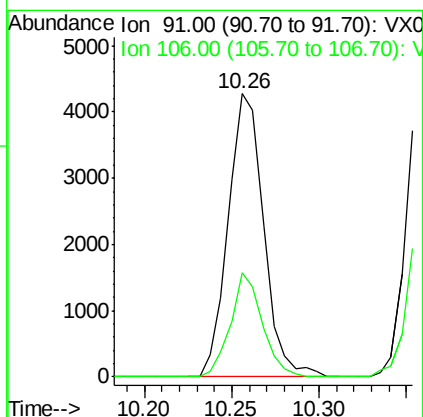
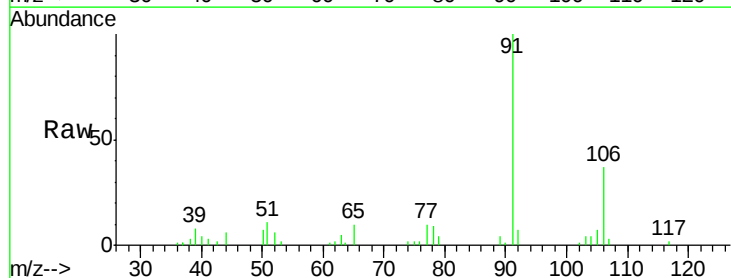
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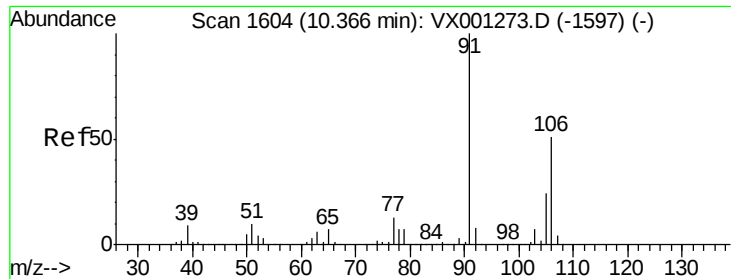
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#67
Ethyl Benzene
Concen: 0.72 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Tgt Ion: 91 Resp: 6033
Ion Ratio Lower Upper
91 100
106 36.7 24.9 37.3





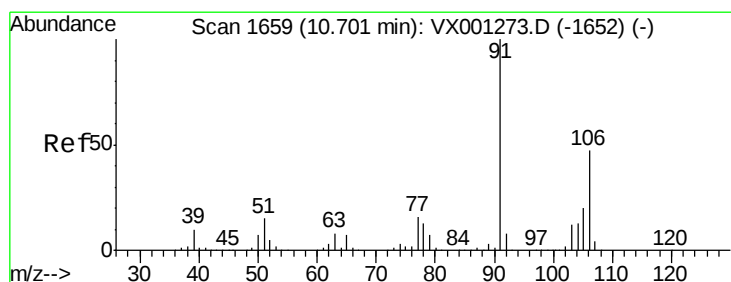
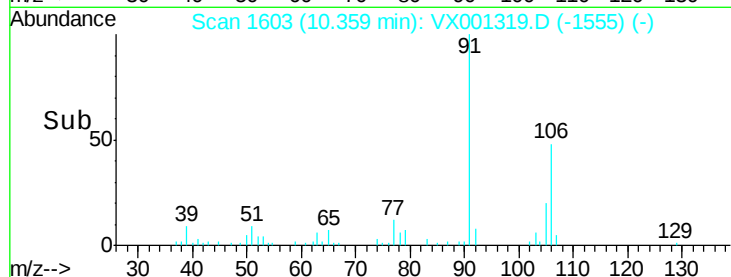
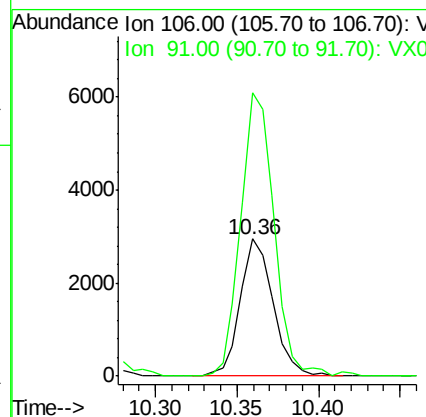
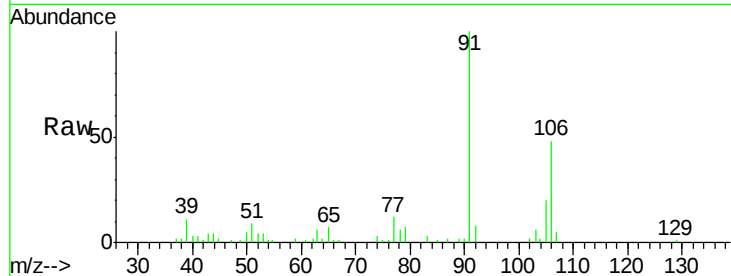
#68
m/p-Xylenes
Concen: 1.26 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion:106 Resp: 4155
Ion Ratio Lower Upper
106 100
91 208.9 159.4 239.2

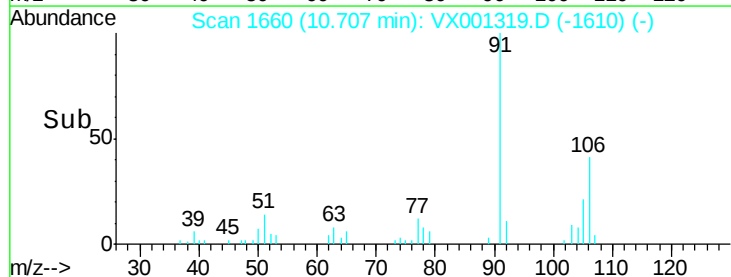
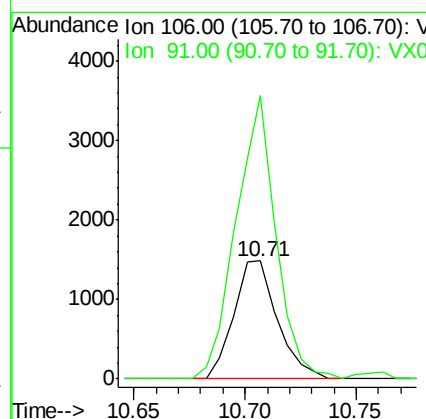
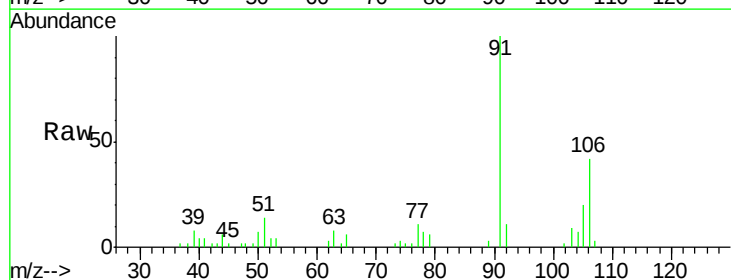
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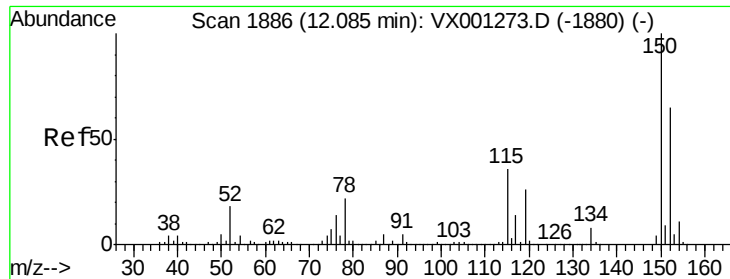
MMDadoda
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#69
o-Xylene
Concen: 0.64 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Tgt Ion:106 Resp: 2030
Ion Ratio Lower Upper
106 100
91 218.8 106.3 319.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001319.D

Acq: 02 May 2018 16:13

Instrument :

MSVOA_X

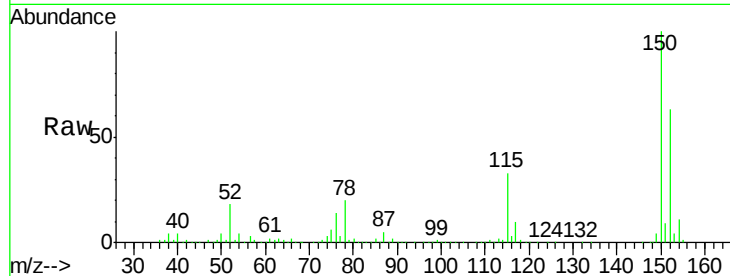
ClientSampleId :

KY032MW006-180419

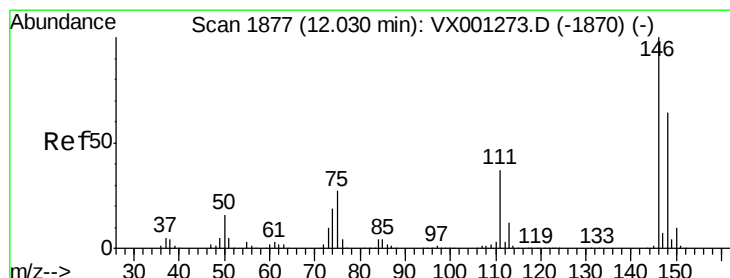
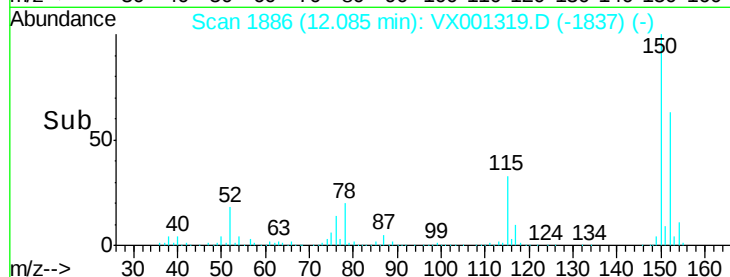
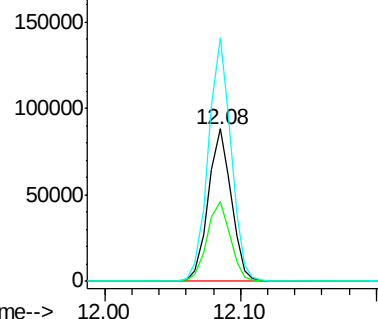
Tot Ion:	152	Resp:	103290
Ion Ratio	Lower	Upper	
152	100		
115	53.0	38.6	115.7
150	158.2	0.0	349.2

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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



#87

1,3-Dichlorobenzene

Concen: 0.29 ug/l

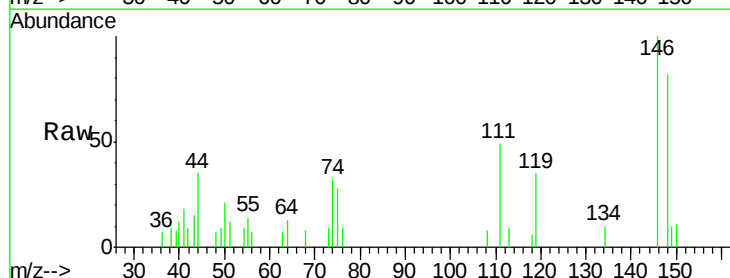
RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

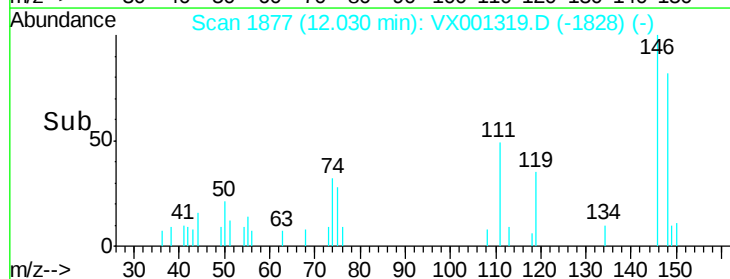
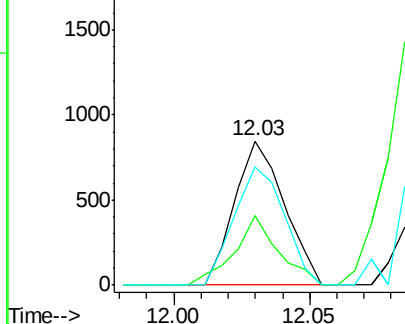
Lab File: VX001319.D

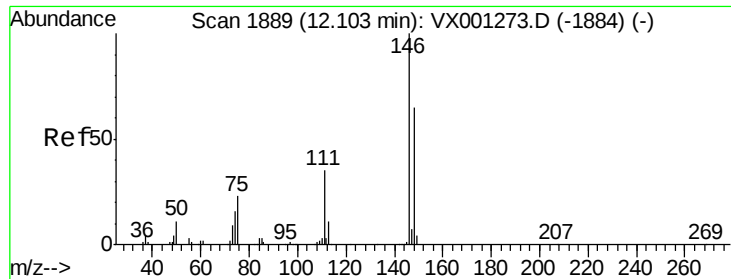
Acq: 02 May 2018 16:13

Tgt Ion:	146	Resp:	1072
Ion Ratio	Lower	Upper	
146	100		
111	43.4	18.4	55.2
148	82.8	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





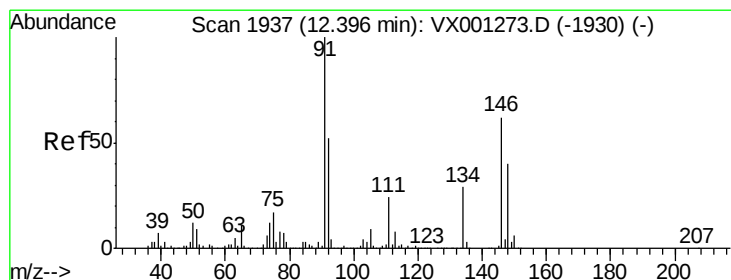
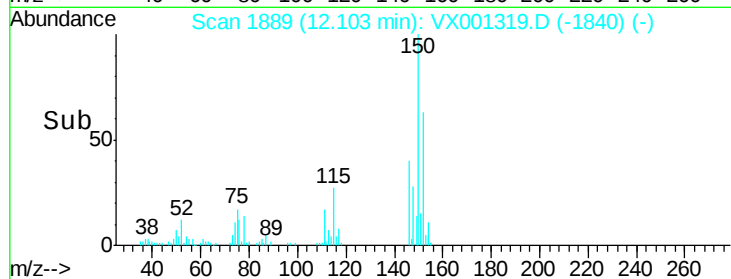
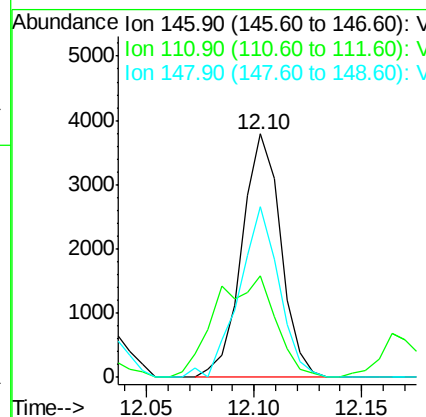
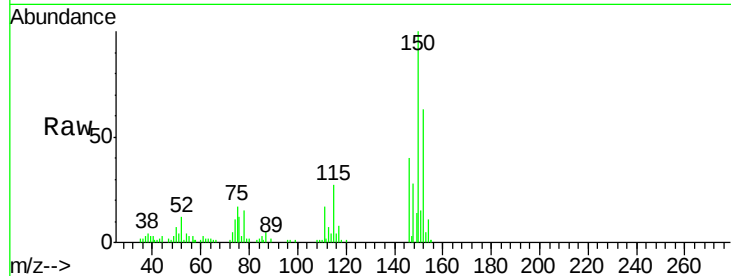
#88
 1,4-Dichlorobenzene
 Concen: 1.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001319.D
 Acq: 02 May 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Tot Ion	Ratio	Lower	Upper
146	100		
111	9.8	17.9	53.7#
148	18.7	32.3	96.8#

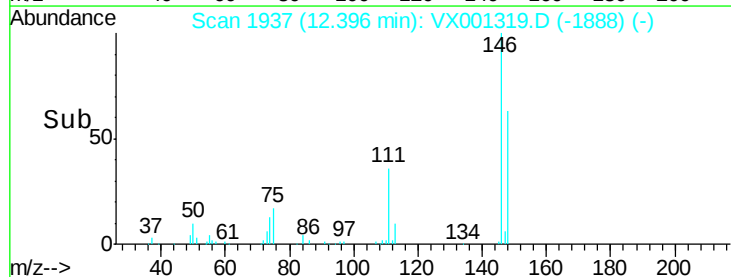
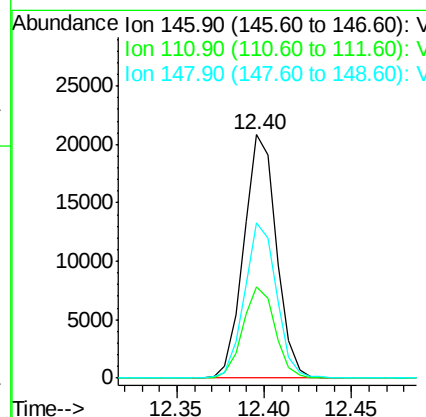
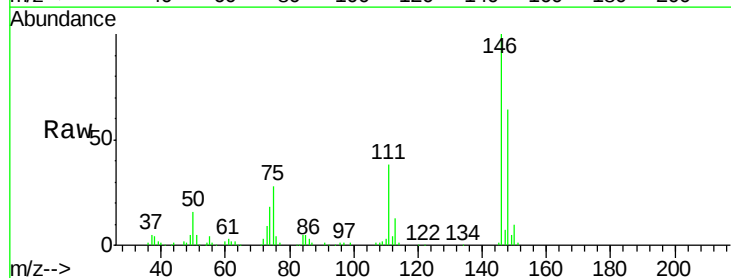
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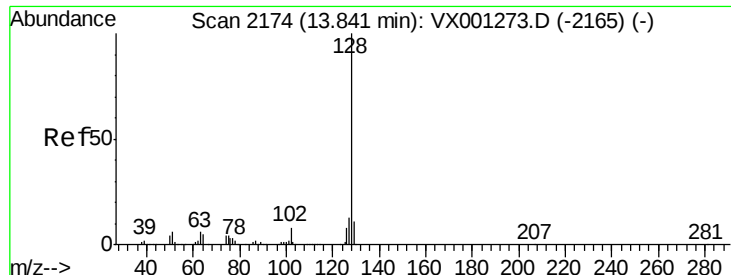
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#91
 1,2-Dichlorobenzene
 Concen: 7.29 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001319.D
 Acq: 02 May 2018 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	62.5	32.4	97.0





#95
Naphthalene
Concen: 0.87 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001319.D
Acq: 02 May 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	14.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
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