

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009222.D
 Acq On : 29 Apr 2019 21:02
 Operator : JC/SP
 Sample : K2594-18 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-190425

Quant Time: Apr 30 09:54:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	137822	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
35) Dibromofluoromethane	5.50	113	101642	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	8.71	98	418411	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	136276	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	

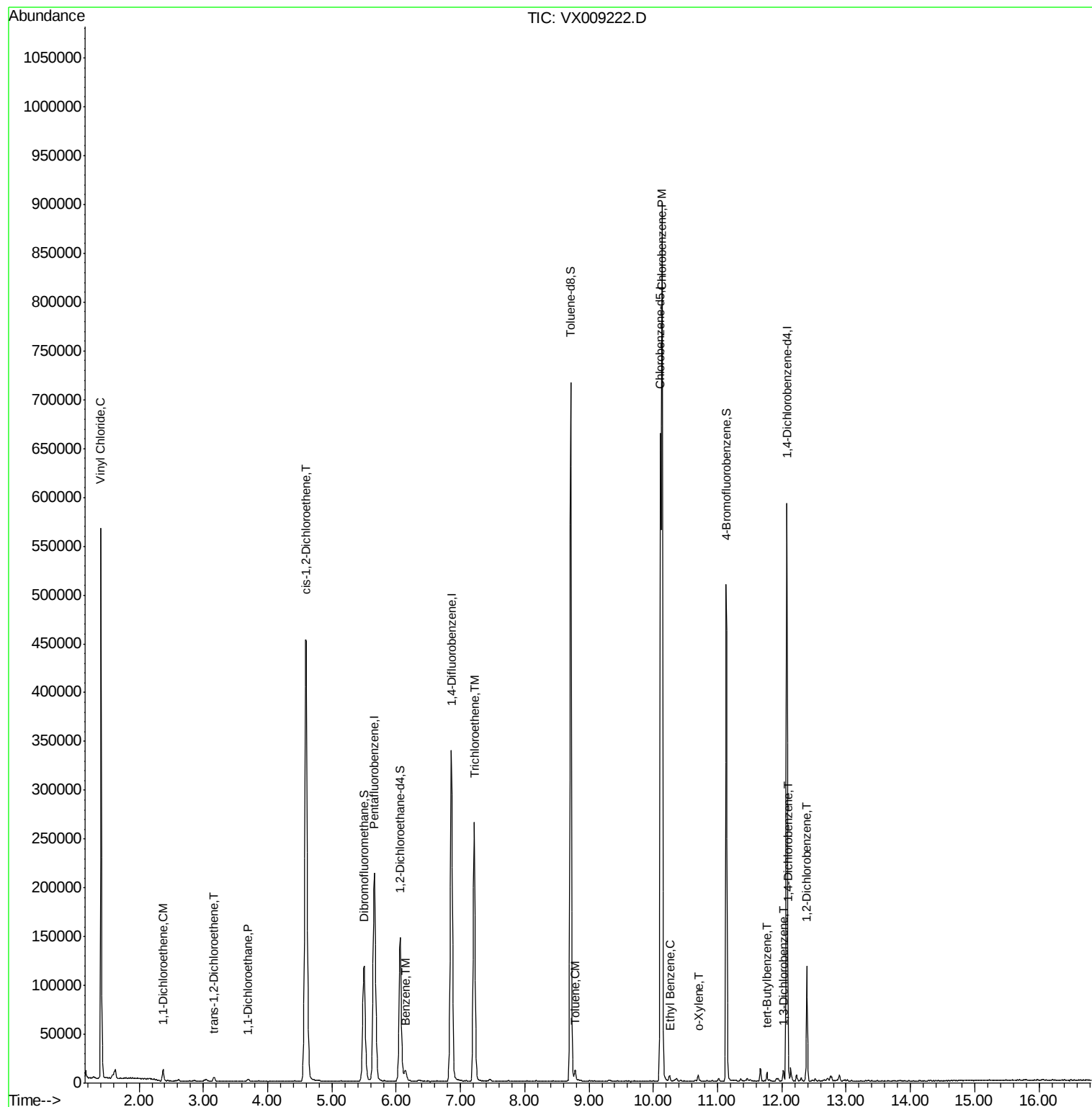
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	379643	147.541	ug/l	99
12) 1,1-Dichloroethene	2.37	96	3629	1.844	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	1581	0.741	ug/l #	70
24) 1,1-Dichloroethane	3.70	63	1989	0.437	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	285490	112.067	ug/l	89
40) Benzene	6.14	78	12648	1.302	ug/l	95
44) Trichloroethene	7.21	130	101299	43.144	ug/l	96
52) Toluene	8.79	92	3374	0.571	ug/l	97
65) Chlorobenzene	10.14	112	375291	64.959	ug/l	100
67) Ethyl Benzene	10.26	91	3215	0.302	ug/l	96
69) o-Xylene	10.70	106	1472	0.384	ug/l	84
83) tert-Butylbenzene	11.77	119	3127	0.442	ug/l	90
87) 1,3-Dichlorobenzene	12.03	146	3137	0.821	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	10378	2.693	ug/l	88
91) 1,2-Dichlorobenzene	12.39	146	36130	9.279	ug/l	100

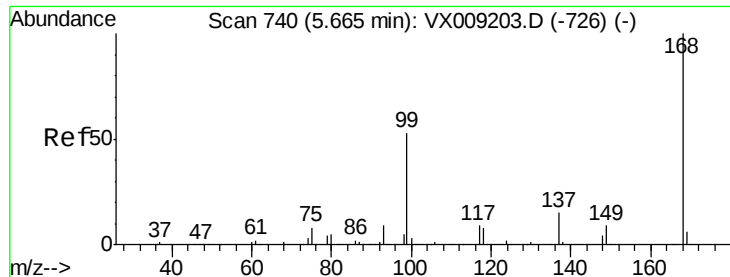
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

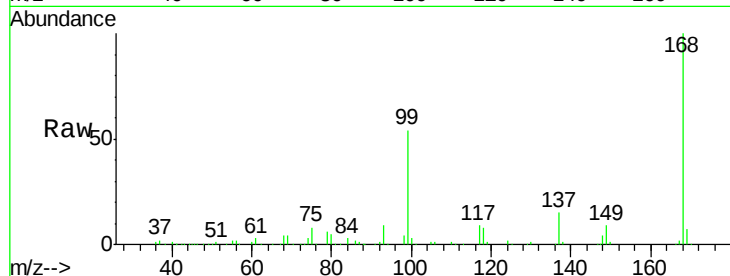
WP021MW345-190425

Tot Ion:168 Resp: 209741

Ion Ratio Lower Upper

168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

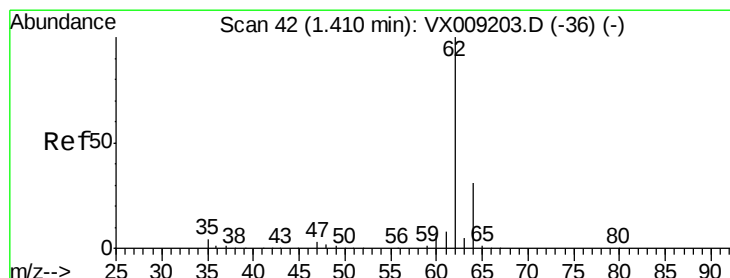
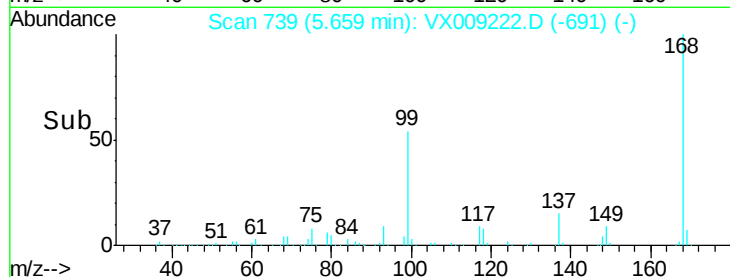
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 147.541 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009222.D

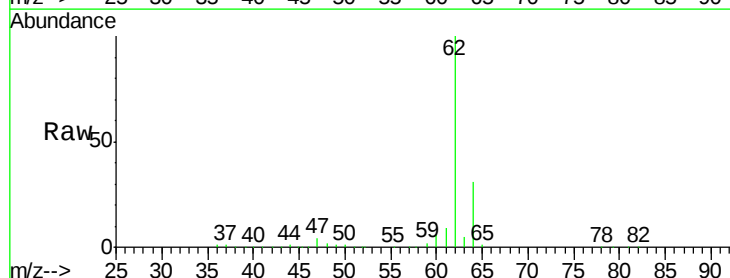
Acq: 29 Apr 2019 21:02

Tgt Ion: 62 Resp: 379643

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

400000

300000

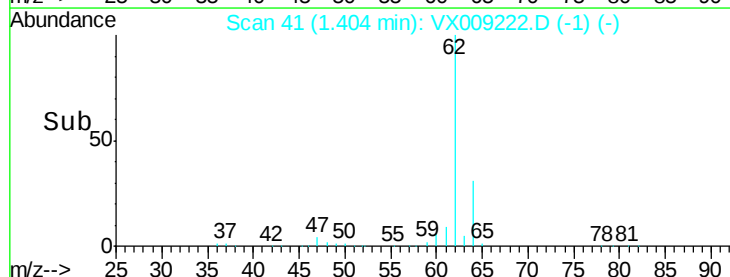
200000

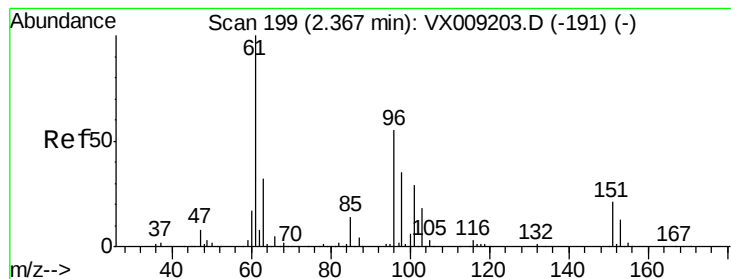
100000

0

Time-->

1.40 1.50





#12

1,1-Dichloroethene

Concen: 1.844 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

WP021MW345-190425

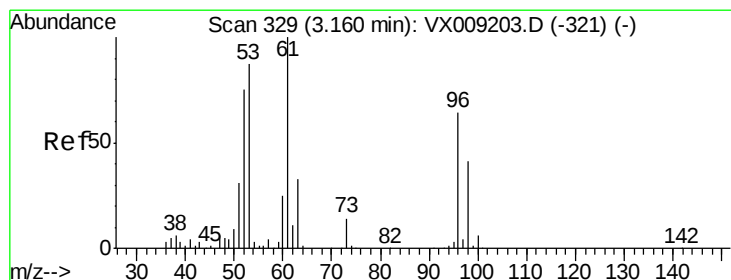
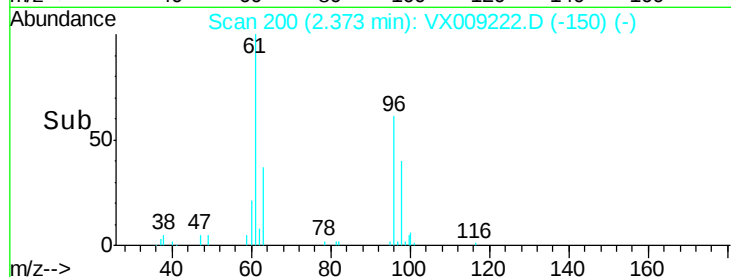
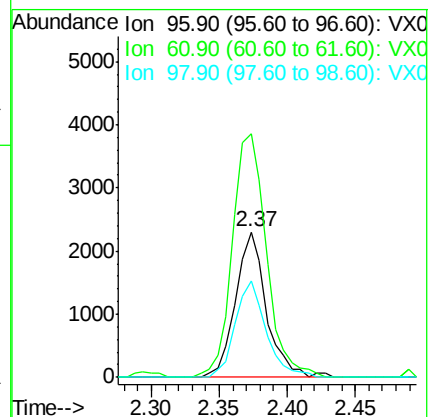
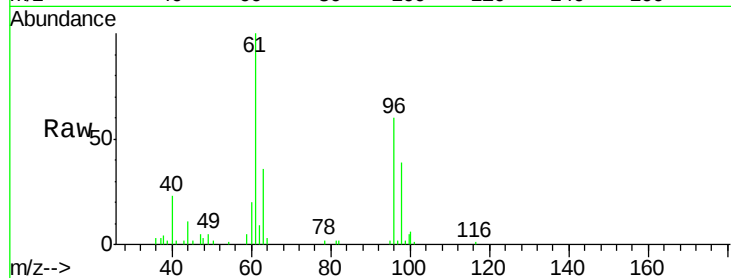
Tot Ion: 96 Resp: 3629

Ion Ratio Lower Upper

96 100

61 167.6 144.3 216.5

98 66.1 50.3 75.5



#21

trans-1,2-Dichloroethene

Concen: 0.741 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

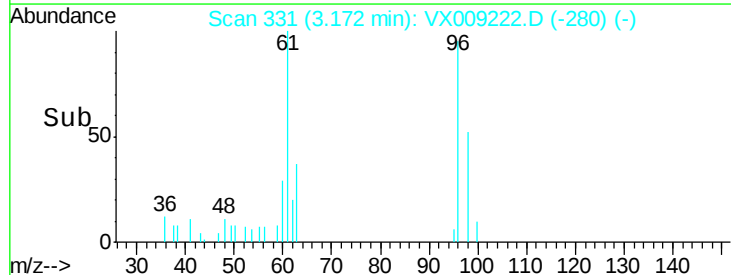
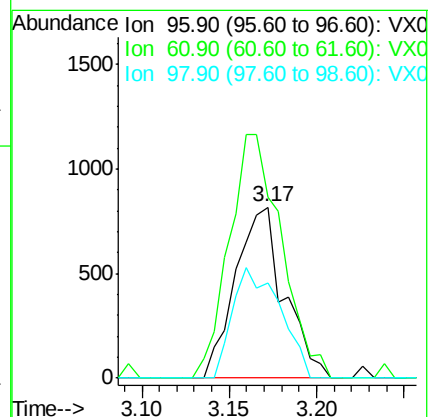
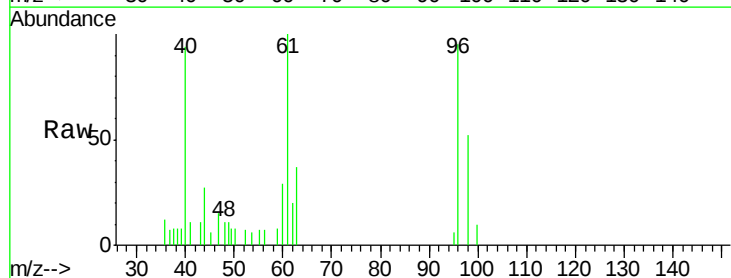
Tgt Ion: 96 Resp: 1581

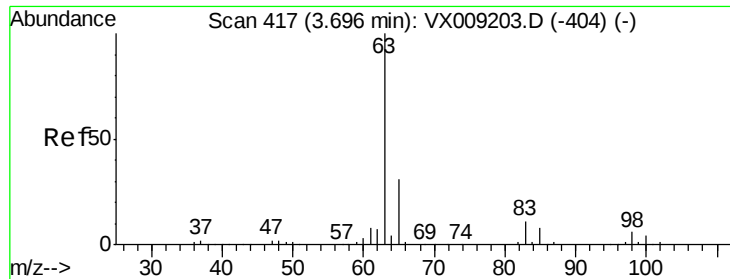
Ion Ratio Lower Upper

96 100

61 105.7 124.5 186.7#

98 55.4 50.4 75.6





#24

1,1-Dichloroethane

Concen: 0.437 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

WP021MW345-190425

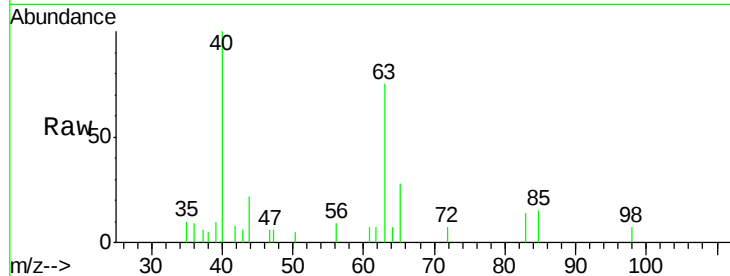
Tot Ion: 63 Resp: 1989

Ion Ratio Lower Upper

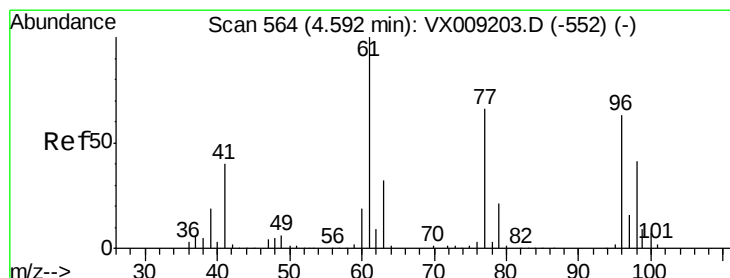
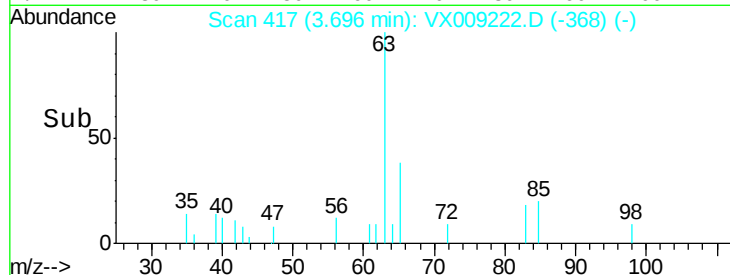
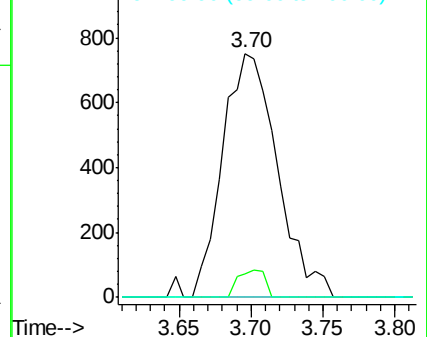
63 100

98 9.3 3.0 9.2#

100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 112.067 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

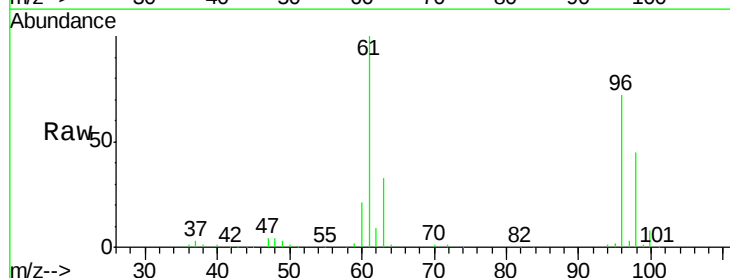
Tgt Ion: 96 Resp: 285490

Ion Ratio Lower Upper

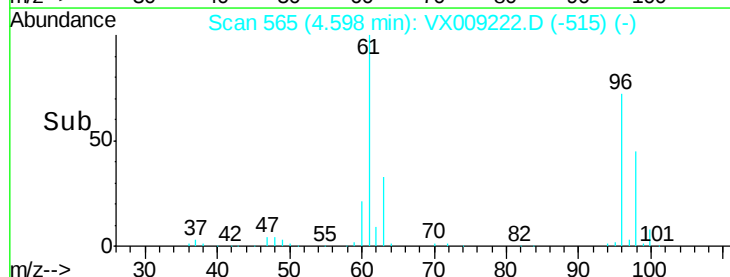
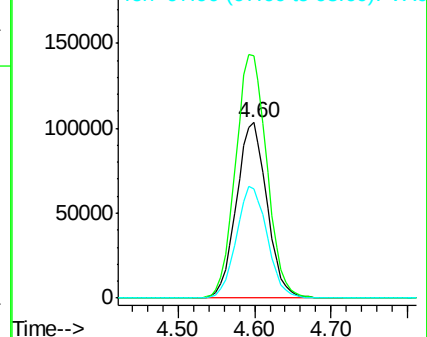
96 100

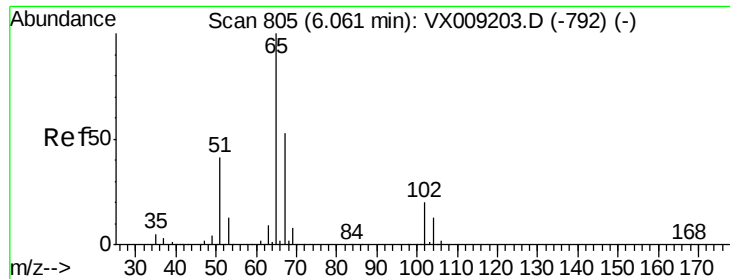
61 142.7 0.0 324.0

98 64.4 0.0 130.4



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

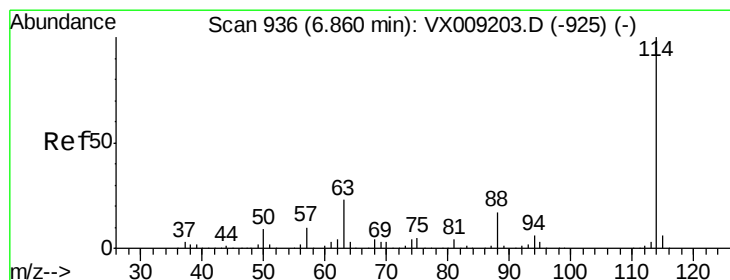
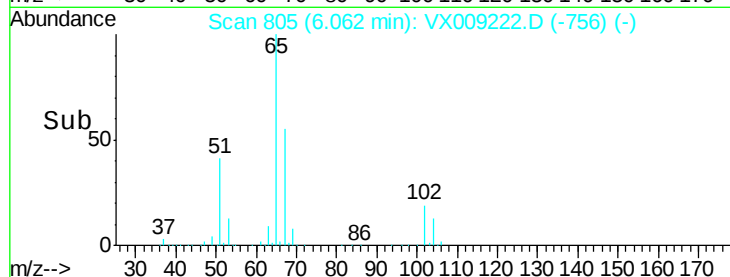
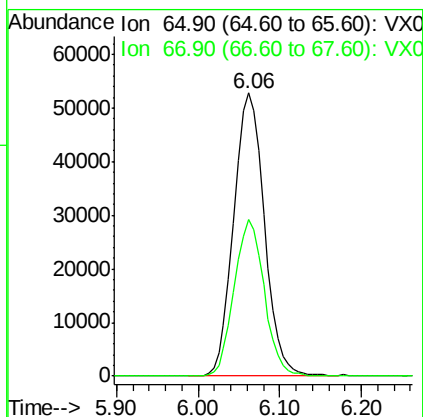
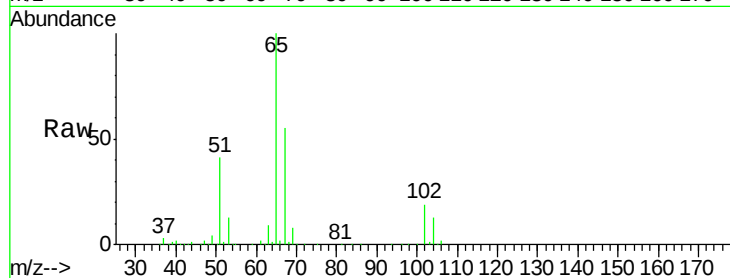




#33
 1,2-Dichloroethane-d4
 Concen: 48.135 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009222.D
 Acq: 29 Apr 2019 21:02

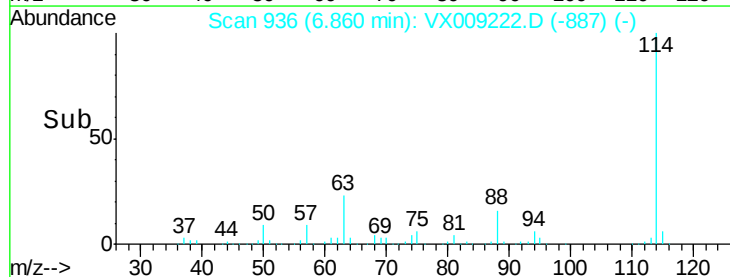
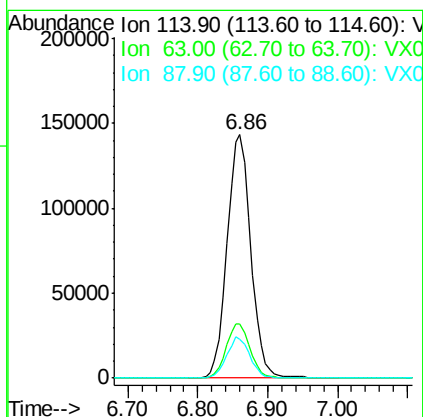
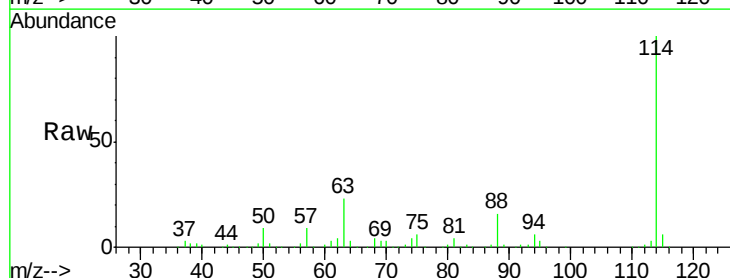
Instrument :
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 WP021MW345-190425

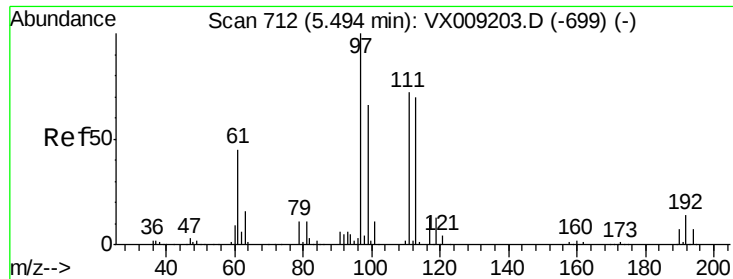
Tot Ion: 65 Resp: 137822
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009222.D
 Acq: 29 Apr 2019 21:02

Tgt Ion: 114 Resp: 337692
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.1 0.0 33.2

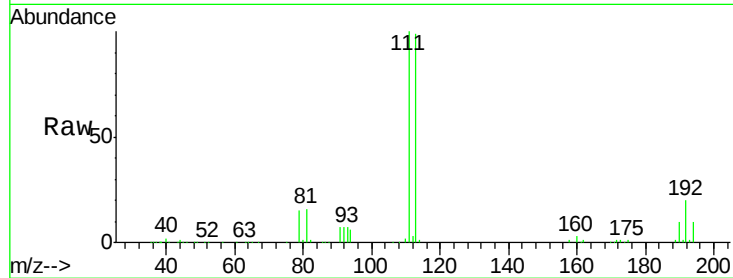




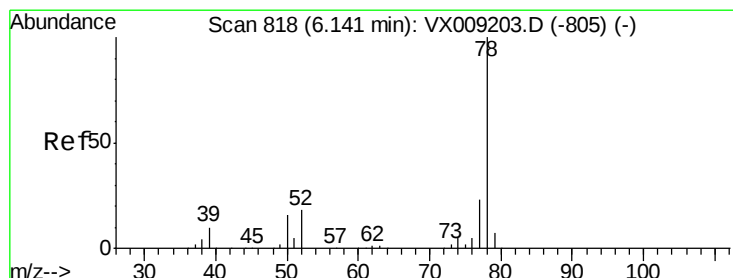
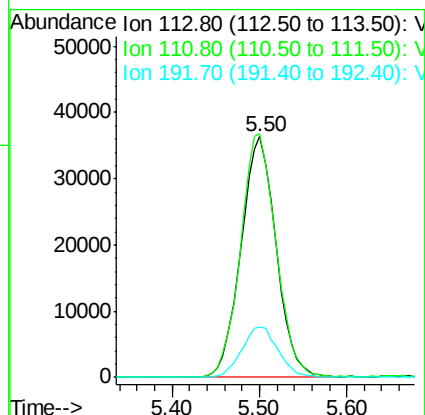
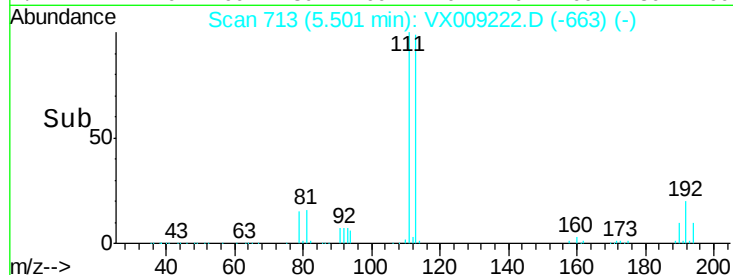
#35
 Dibromofluoromethane
 Concen: 47.880 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009222.D
 Acq: 29 Apr 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-190425

Tot Ion:113 Resp: 101642
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.7 17.0 25.6

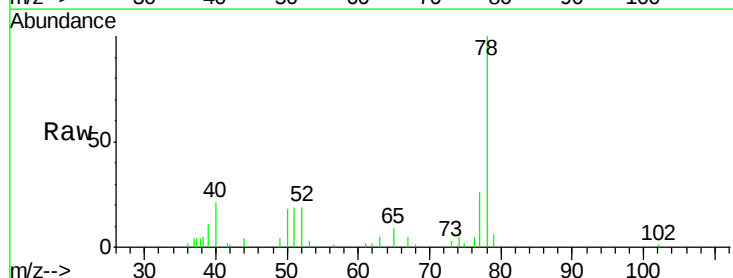


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

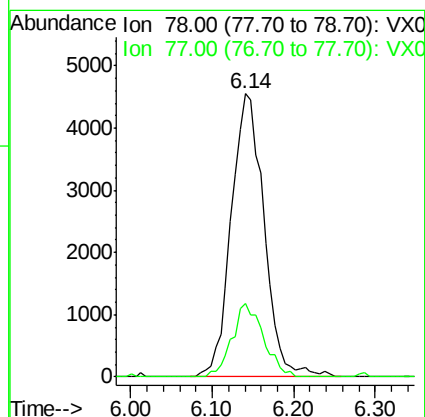
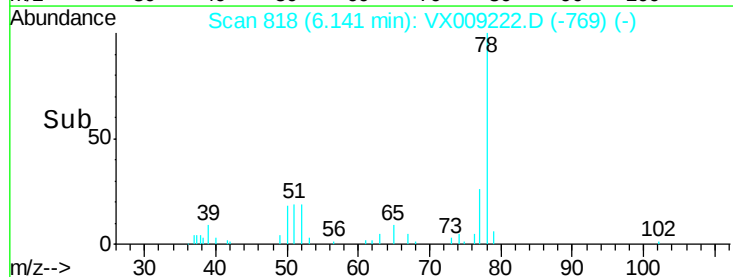


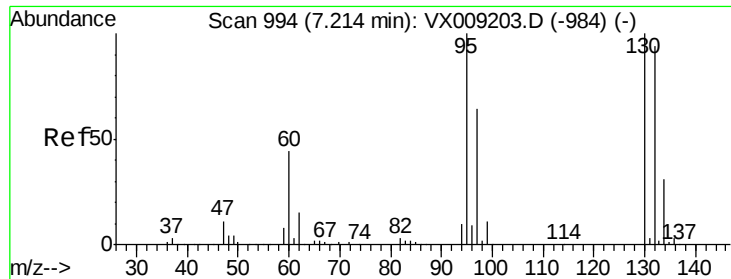
#40
 Benzene
 Concen: 1.302 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: VX009222.D
 Acq: 29 Apr 2019 21:02

Tgt Ion: 78 Resp: 12648
 Ion Ratio Lower Upper
 78 100
 77 26.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 43.144 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

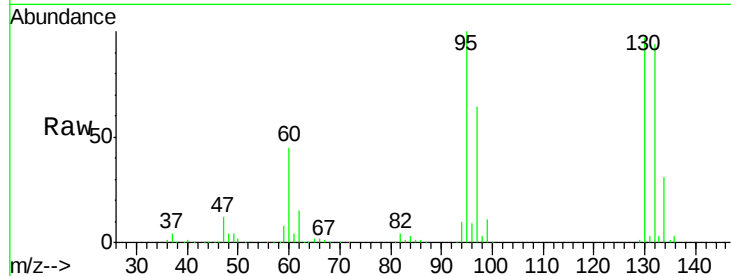
WP021MW345-190425

Tot Ion:130 Resp: 101299

Ion Ratio Lower Upper

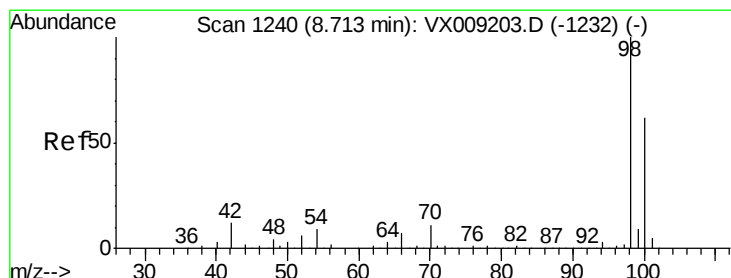
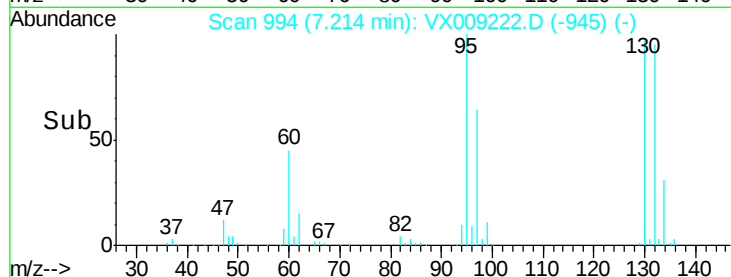
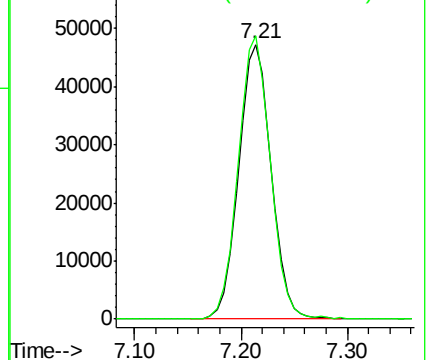
130 100

95 103.1 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.820 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009222.D

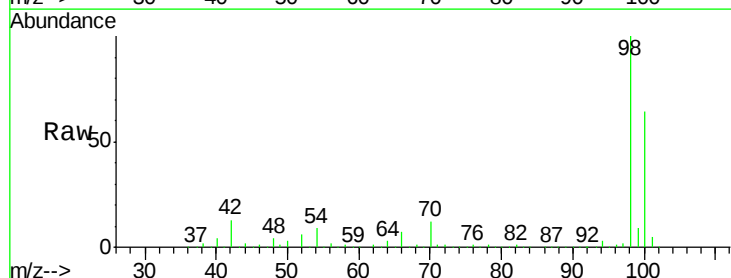
Acq: 29 Apr 2019 21:02

Tgt Ion: 98 Resp: 418411

Ion Ratio Lower Upper

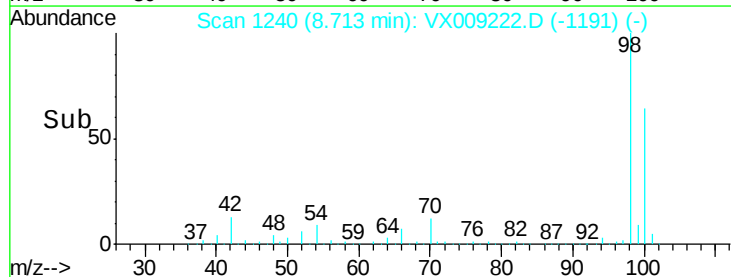
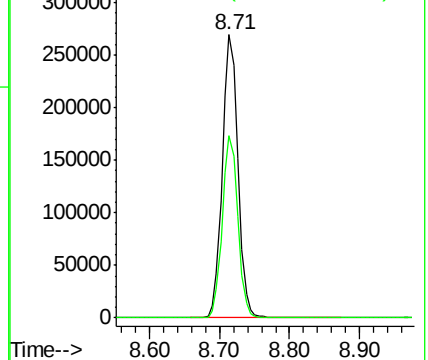
98 100

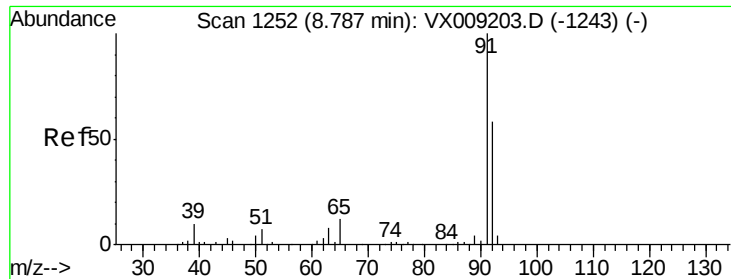
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.571 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

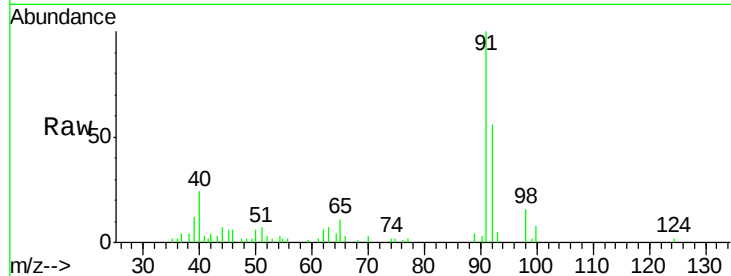
WP021MW345-190425

Tot Ion: 92 Resp: 3374

Ion Ratio Lower Upper

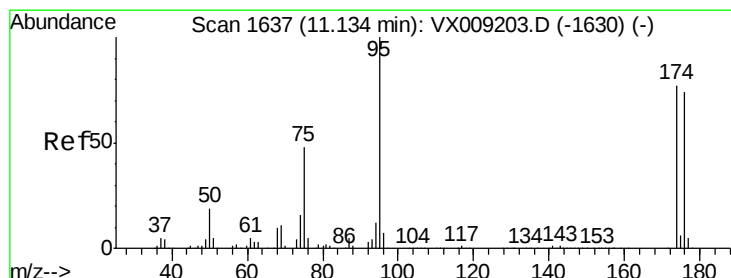
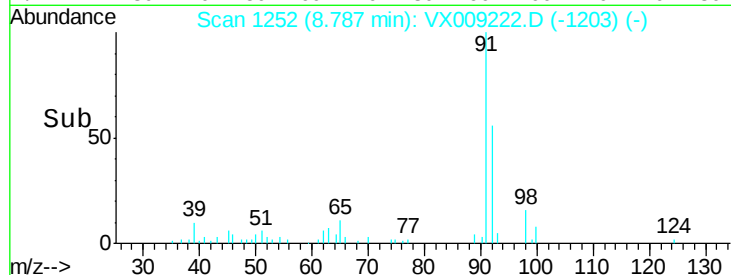
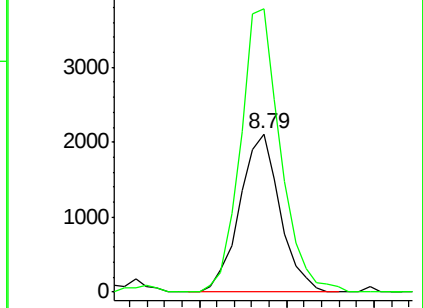
92 100

91 177.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.759 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

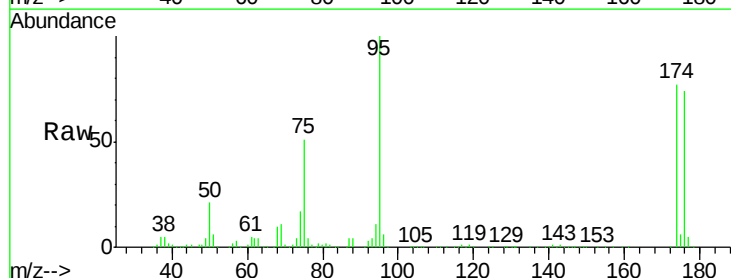
Tgt Ion: 95 Resp: 136276

Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

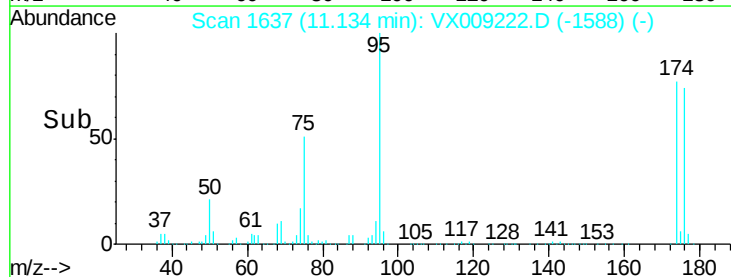
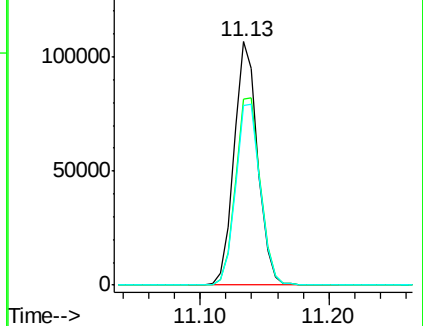
176 77.9 0.0 159.2

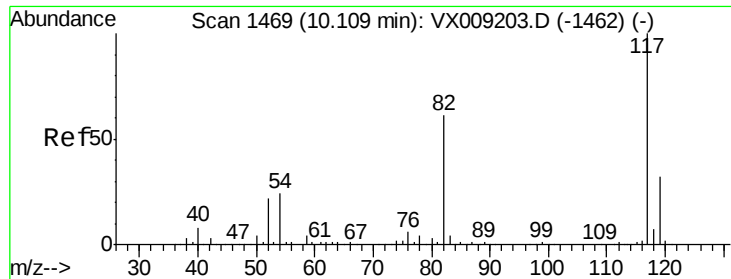


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

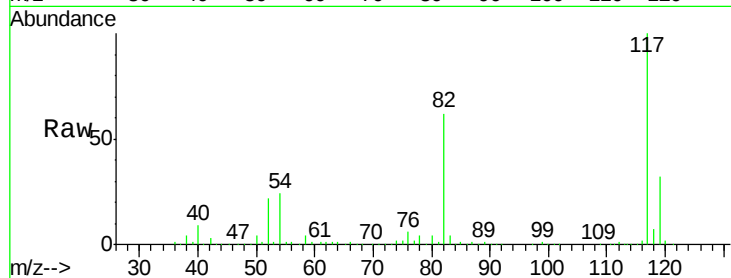




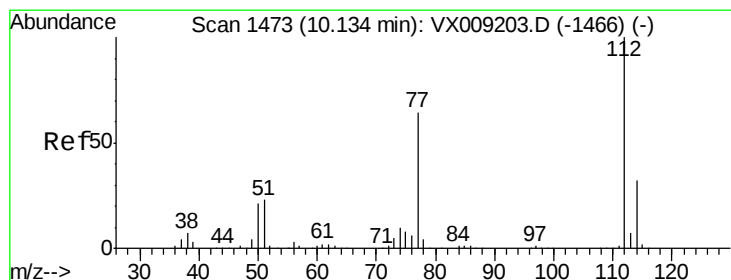
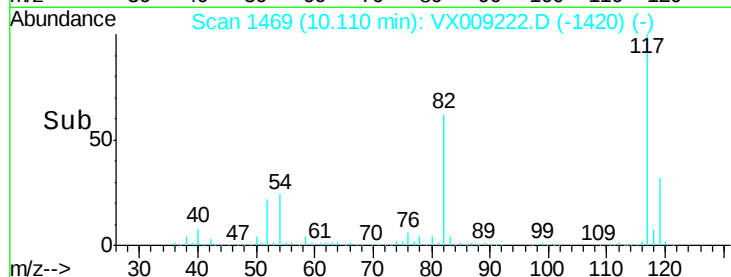
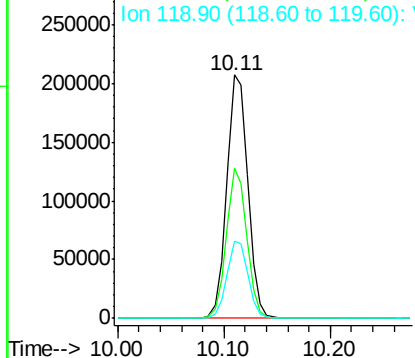
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009222.D
Acq: 29 Apr 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
WP021MW345-190425

Tot Ion:117 Resp: 288804
Ion Ratio Lower Upper
117 100
82 61.5 48.8 73.2
119 31.7 25.8 38.6

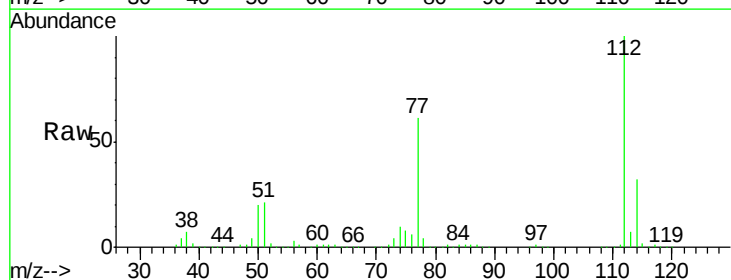


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

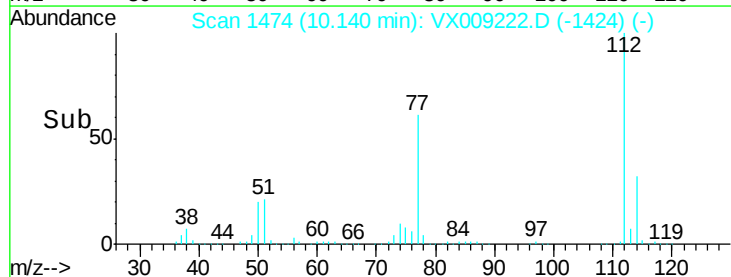
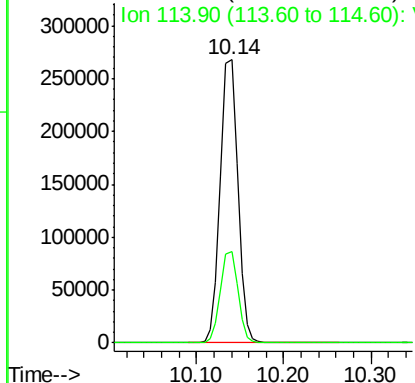


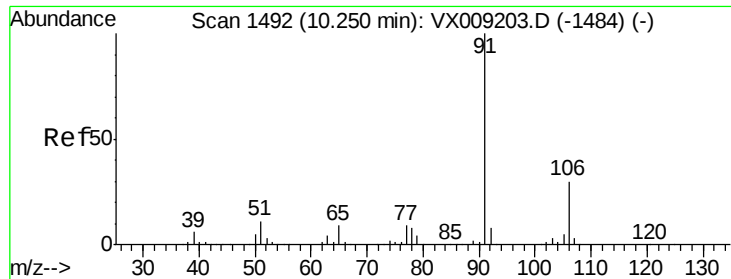
#65
Chlorobenzene
Concen: 64.959 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009222.D
Acq: 29 Apr 2019 21:02

Tgt Ion:112 Resp: 375291
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

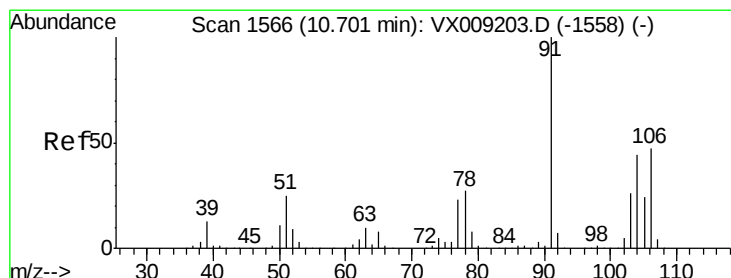
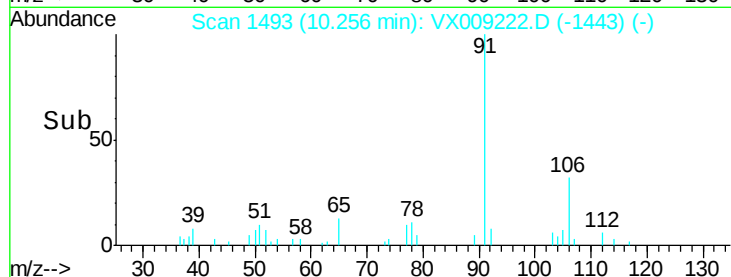
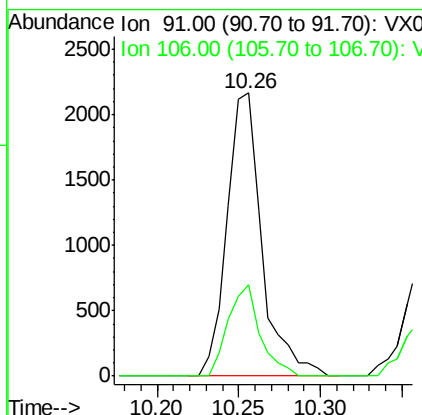
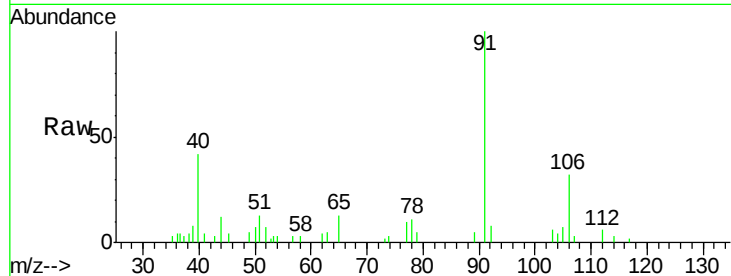




#67
Ethyl Benzene
Concen: 0.302 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX009222.D
Acq: 29 Apr 2019 21:02

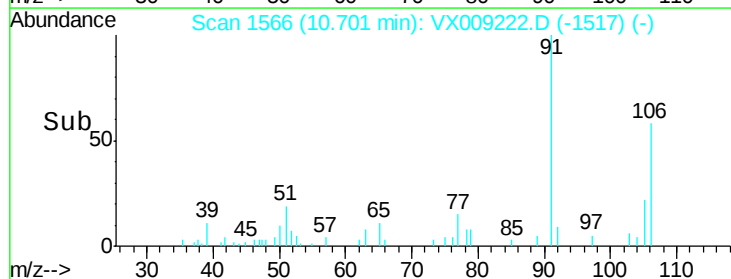
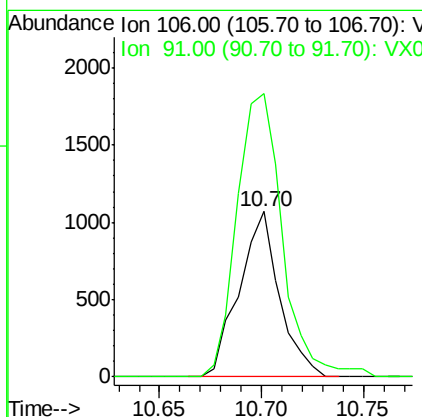
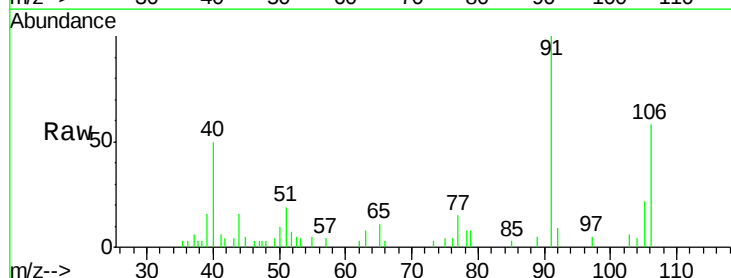
Instrument :
MSVOA_X
ClientSampleId :
WP021MW345-190425

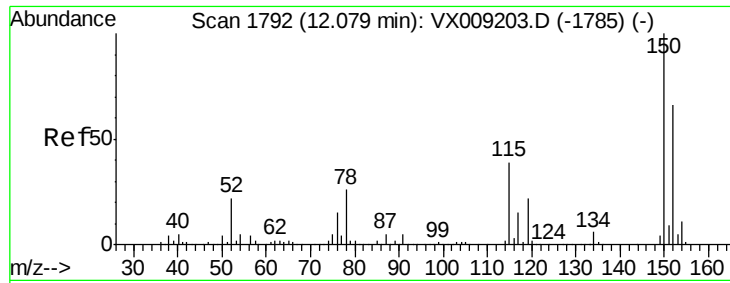
Tot Ion: 91 Resp: 3215
Ion Ratio Lower Upper
91 100
106 32.4 24.0 36.0



#69
o-Xylene
Concen: 0.384 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009222.D
Acq: 29 Apr 2019 21:02

Tgt Ion: 106 Resp: 1472
Ion Ratio Lower Upper
106 100
91 193.5 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

WP021MW345-190425

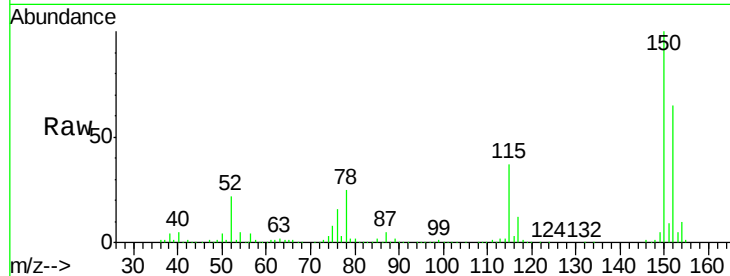
Tot Ion:152 Resp: 118816

Ion Ratio Lower Upper

152 100

115 58.8 41.2 123.6

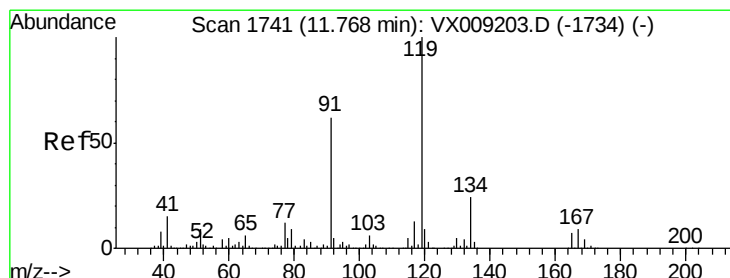
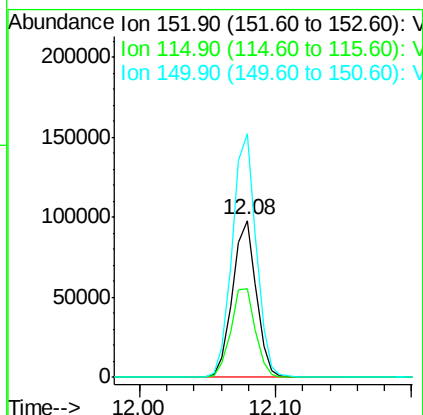
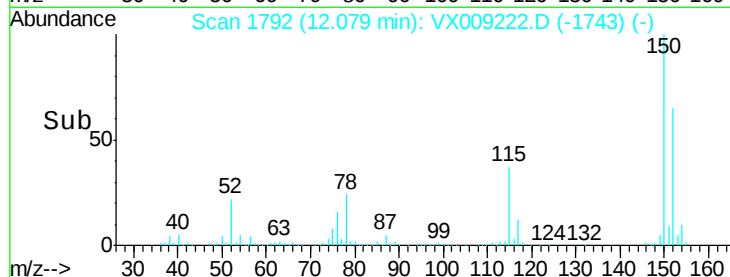
150 156.6 0.0 346.4



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



#83

tert-Butylbenzene

Concen: 0.442 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

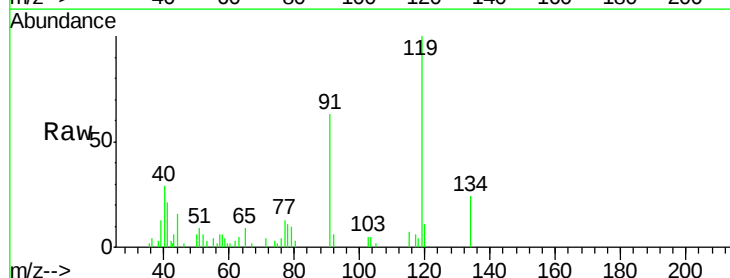
Tgt Ion:119 Resp: 3127

Ion Ratio Lower Upper

119 100

91 69.3 29.5 88.5

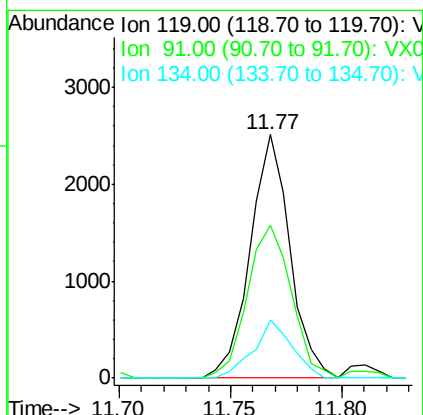
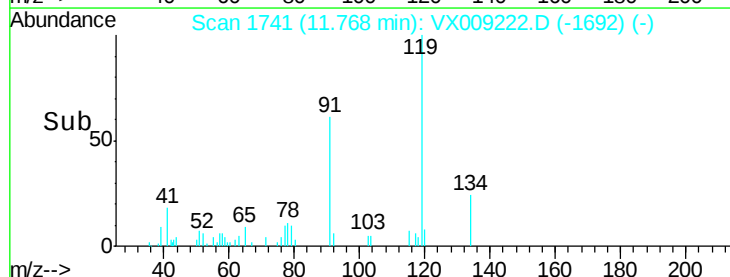
134 23.2 11.4 34.1

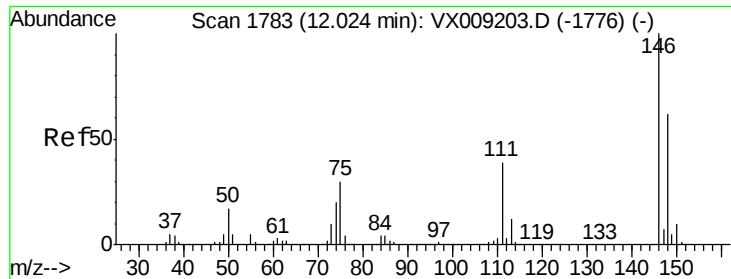


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

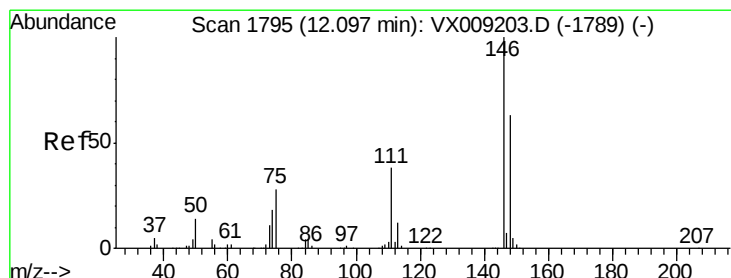
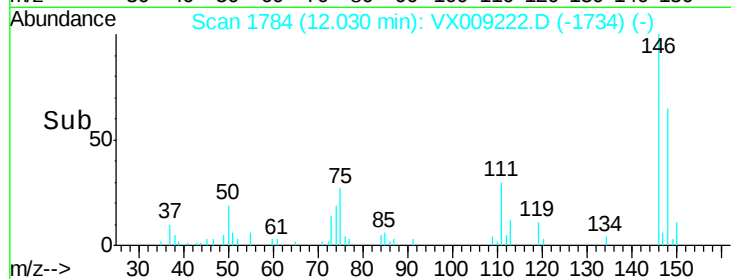
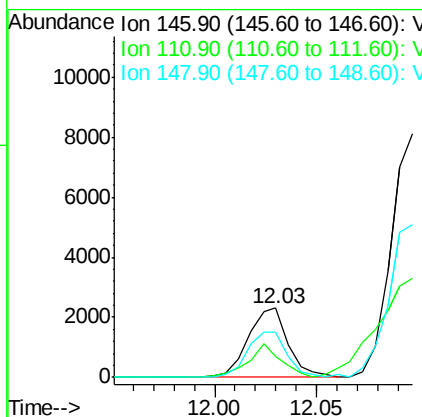
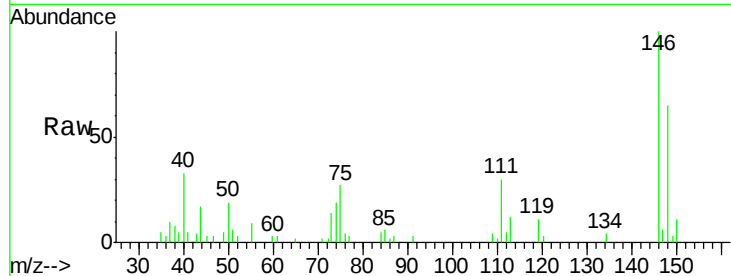




#87
 1,3-Dichlorobenzene
 Concen: 0.821 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX009222.D
 Acq: 29 Apr 2019 21:02

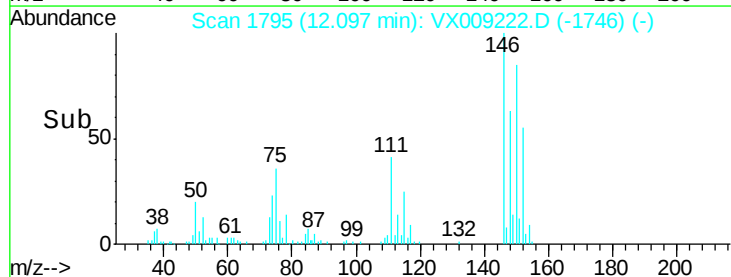
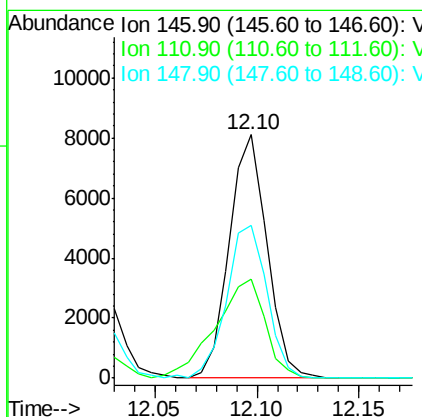
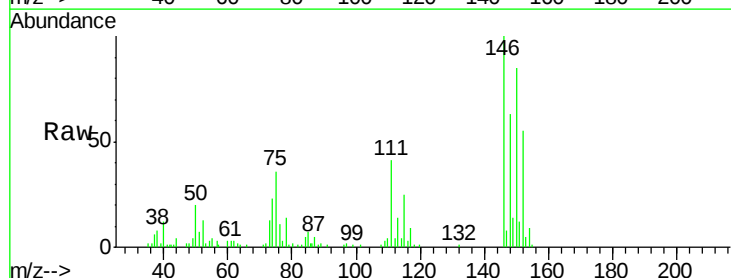
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-190425

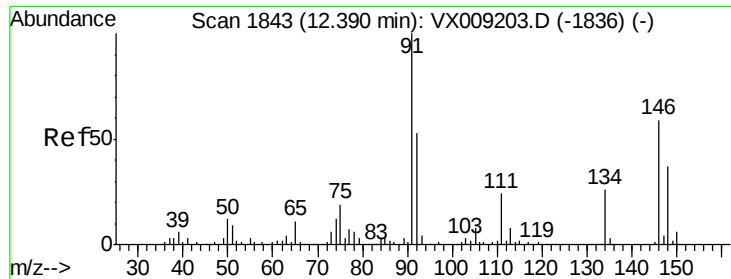
Tot Ion:146 Resp: 3137
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 59.9
 148 64.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 2.693 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009222.D
 Acq: 29 Apr 2019 21:02

Tgt Ion:146 Resp: 10378
 Ion Ratio Lower Upper
 146 100
 111 53.7 19.6 58.8
 148 67.2 31.8 95.3





#91

1,2-Dichlorobenzene

Concen: 9.279 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009222.D

Acq: 29 Apr 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

WP021MW345-190425

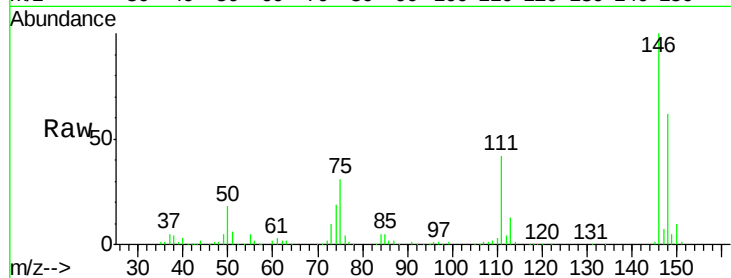
Tot Ion:146 Resp: 36130

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.4

148 63.5 31.9 95.9



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

