

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX042818\
 Data File : VX001222.D
 Acq On : 28 Apr 2018 18:56
 Operator : JC/MD
 Sample : J2547-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-180423

Quant Time: Apr 30 04:58:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	232957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	205270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	114319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	125933	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	5.51	113	100007	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
50) Toluene-d8	8.72	98	365397	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.14	95	123216	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

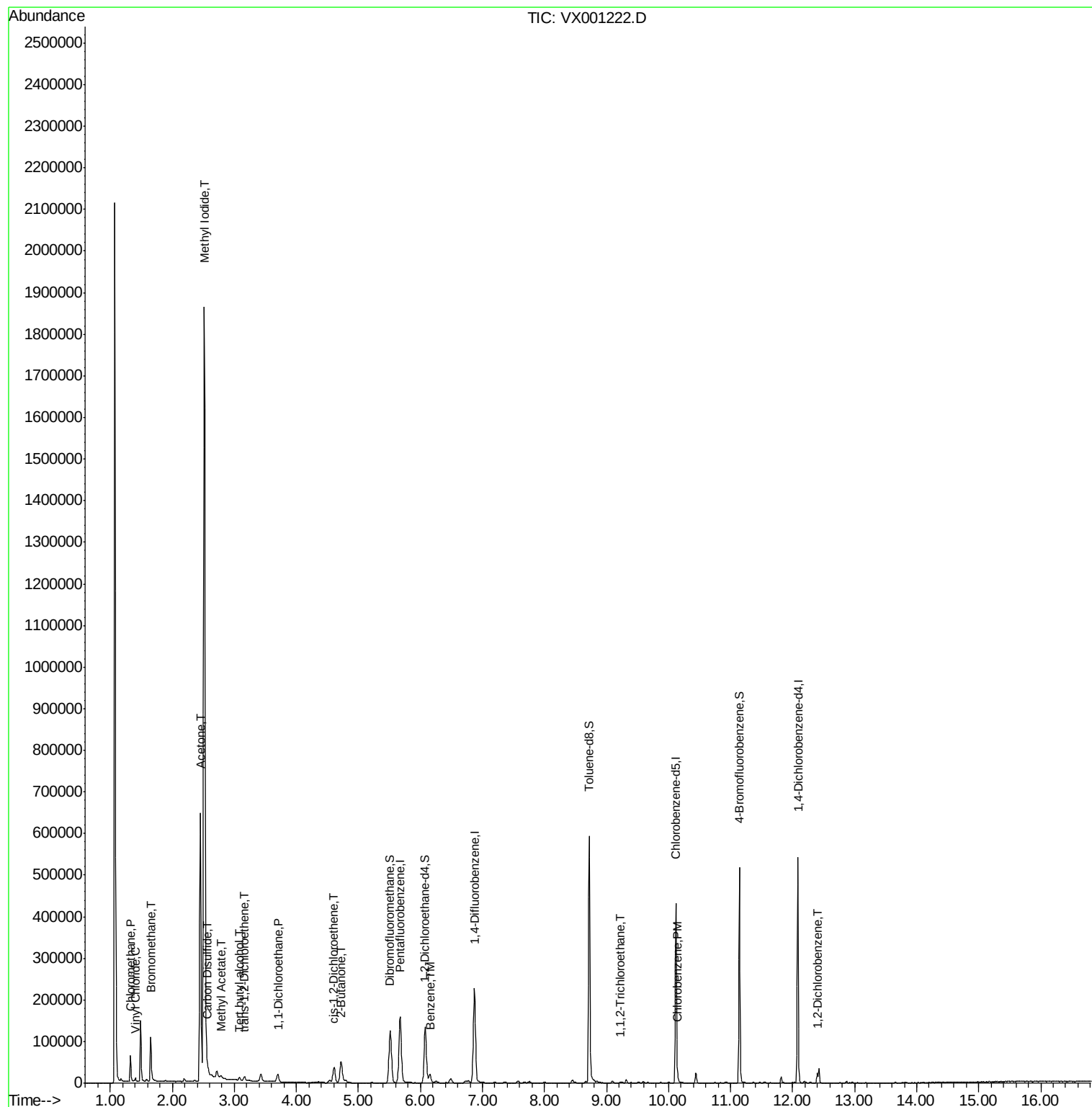
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	36408	19.55	ug/l	98
4) Vinyl Chloride	1.40	62	4636	2.35	ug/l	99
5) Bromomethane	1.65	94	50090	41.05	ug/l	95
10) Methyl Iodide	2.51	142	1883638	888.56	ug/l	98
11) Tert butyl alcohol	3.08	59	9167	17.69	ug/l #	94
16) Acetone	2.45	43	683059	631.98	ug/l	100
17) Carbon Disulfide	2.57	76	13068	2.99	ug/l	97
18) Methyl Acetate	2.78	43	5167	1.91	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	2999	1.58	ug/l	96
24) 1,1-Dichloroethane	3.70	63	19528	5.94	ug/l	97
25) 2-Butanone	4.72	43	90607	56.03	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	23271	11.21	ug/l	91
40) Benzene	6.15	78	23069	3.11	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	679	0.33	ug/l #	81
65) Chlorobenzene	10.15	112	3501	0.65	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	7179	1.79	ug/l	96

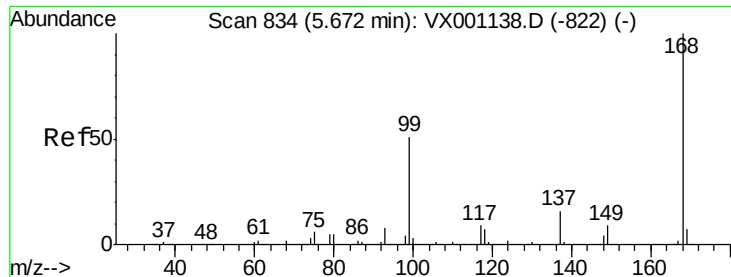
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

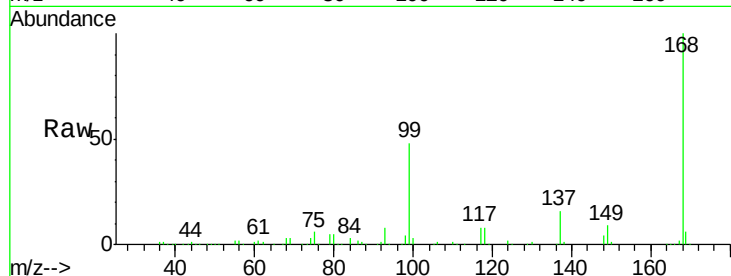
WP022RW349-180423

Tot Ion:168 Resp: 169554

Ion Ratio Lower Upper

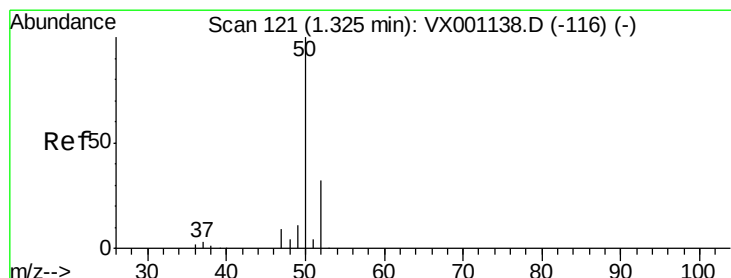
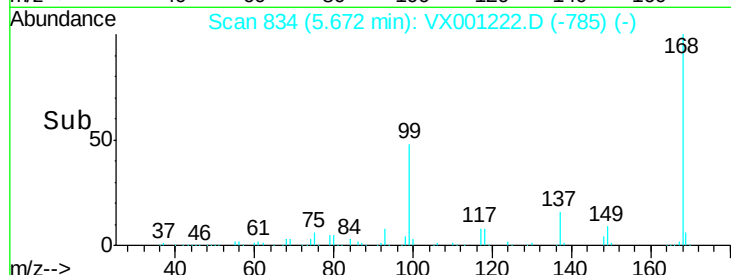
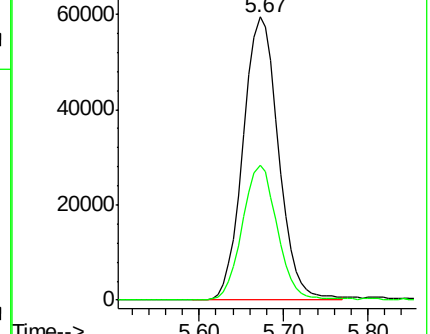
168 100

99 47.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 19.55 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001222.D

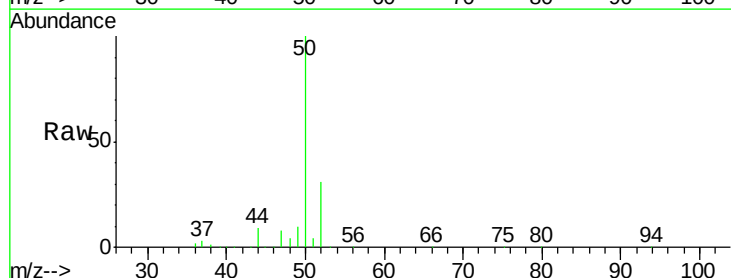
Acq: 28 Apr 2018 18:56

Tgt Ion: 50 Resp: 36408

Ion Ratio Lower Upper

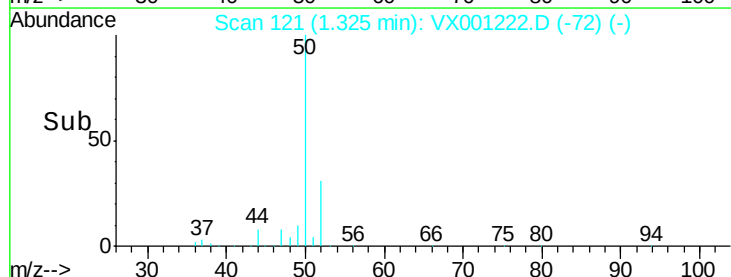
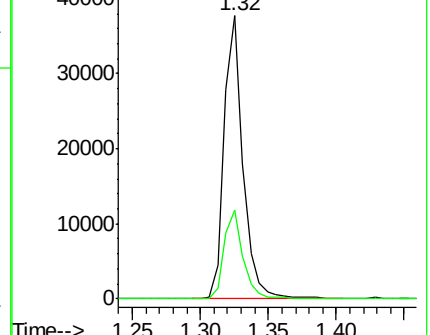
50 100

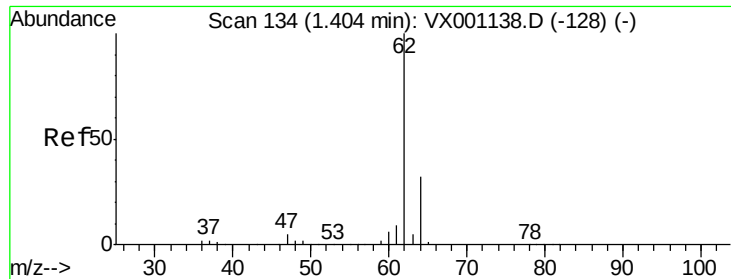
52 31.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 2.35 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

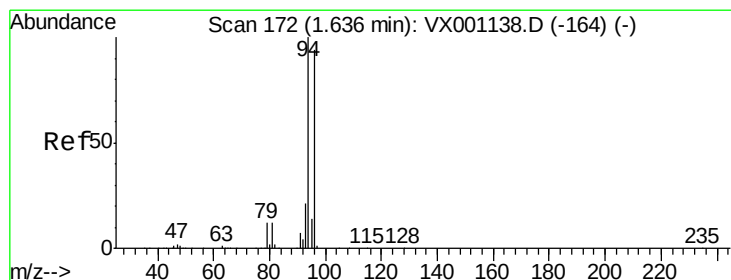
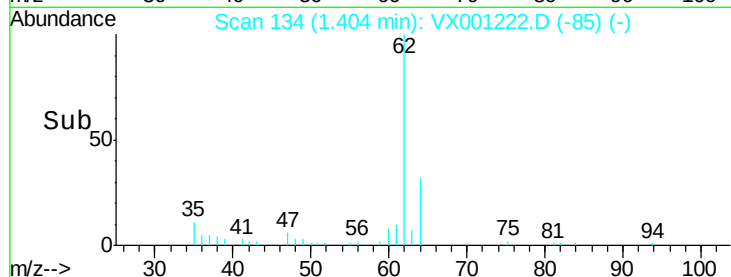
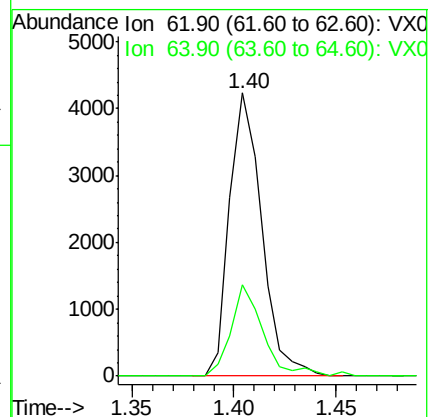
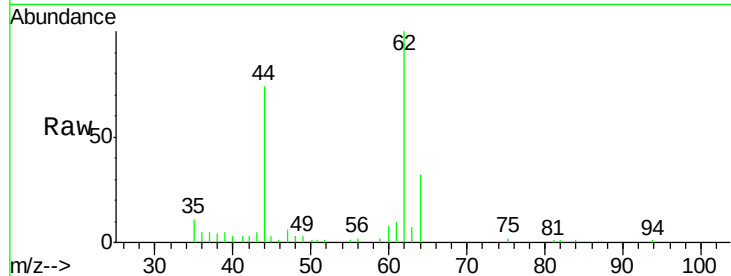
WP022RW349-180423

Tot Ion: 62 Resp: 4636

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



#5

Bromomethane

Concen: 41.05 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001222.D

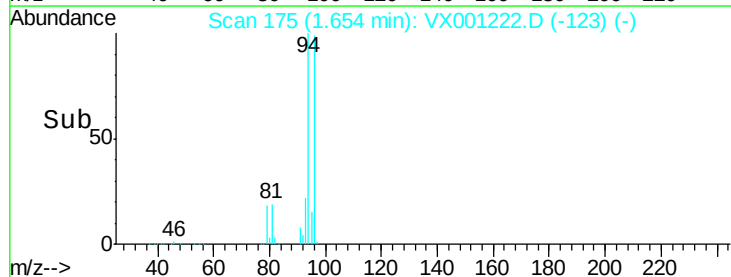
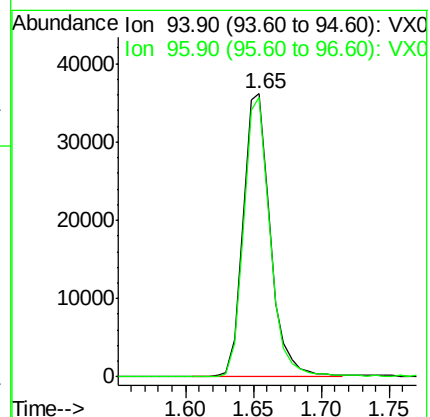
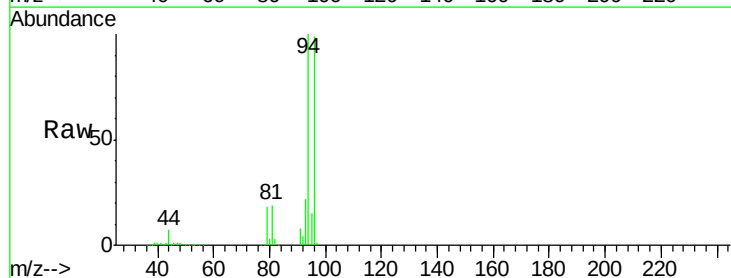
Acq: 28 Apr 2018 18:56

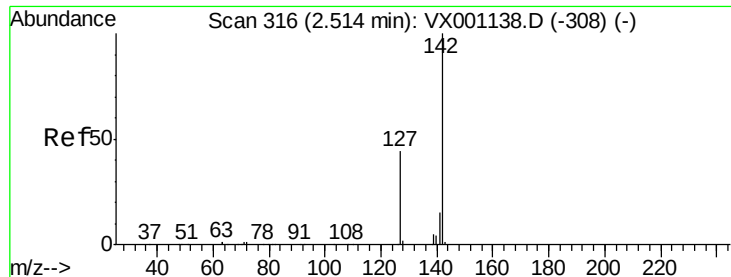
Tgt Ion: 94 Resp: 50090

Ion Ratio Lower Upper

94 100

96 98.5 75.3 112.9

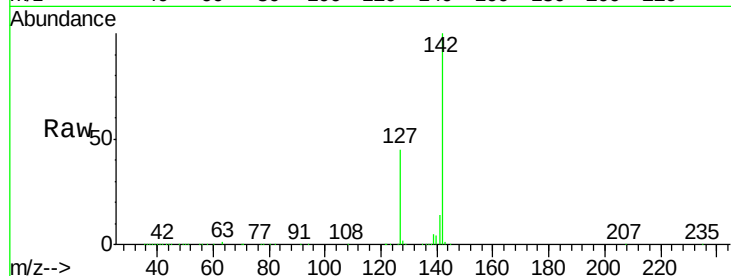




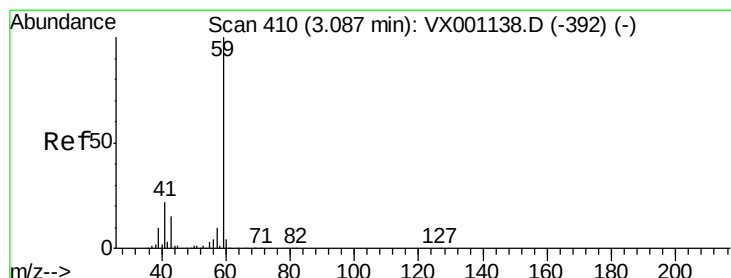
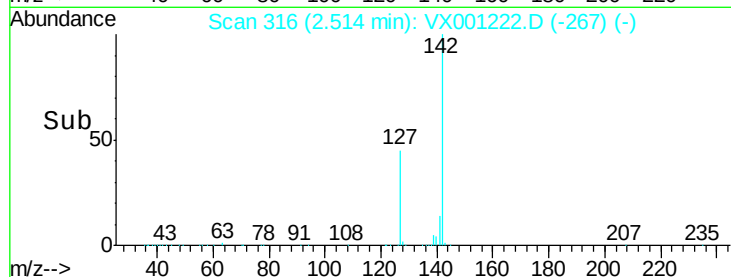
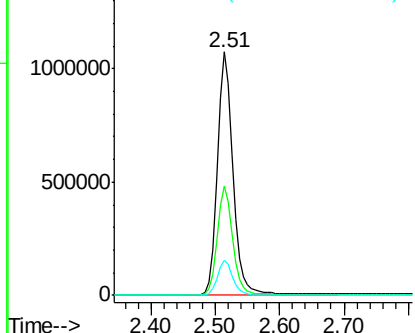
#10
Methvl Iodide
Concen: 888.56 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001222.D
Acq: 28 Apr 2018 18:56

Instrument :
MSVOA_X
ClientSampleId :
WP022RW349-180423

Tot Ion:142 Resp: 1883638
Ion Ratio Lower Upper
142 100
127 44.7 34.7 52.1
141 14.3 11.6 17.4

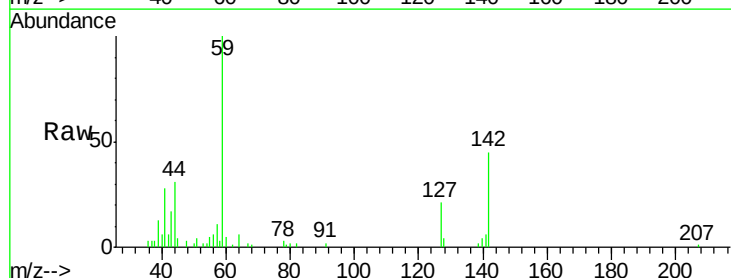


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

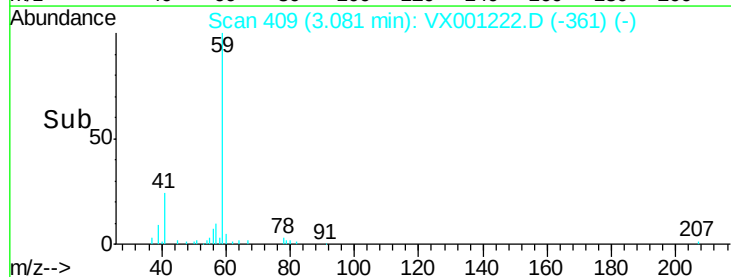
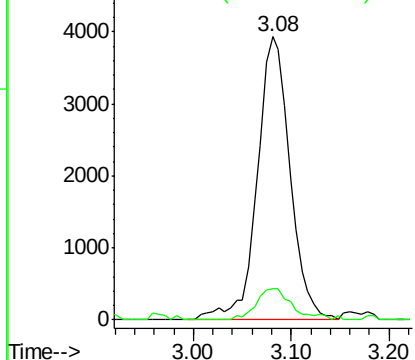


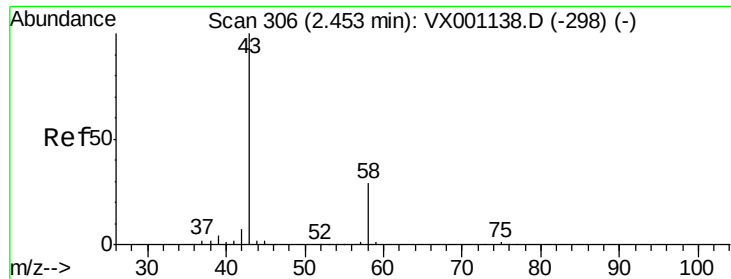
#11
Tert butyl alcohol
Concen: 17.69 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001222.D
Acq: 28 Apr 2018 18:56

Tgt Ion: 59 Resp: 9167
Ion Ratio Lower Upper
59 100
57 12.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 631.98 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

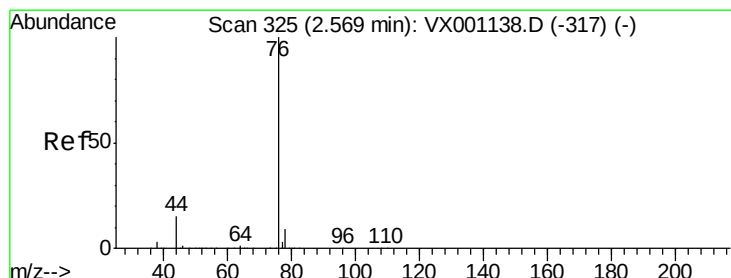
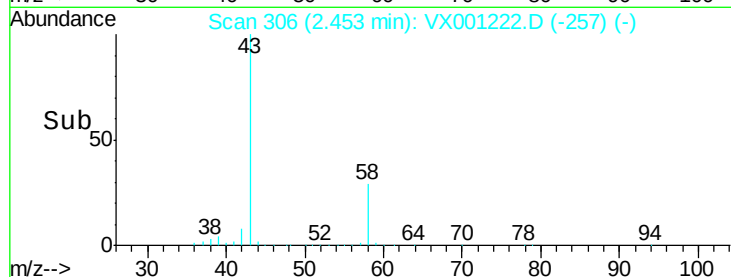
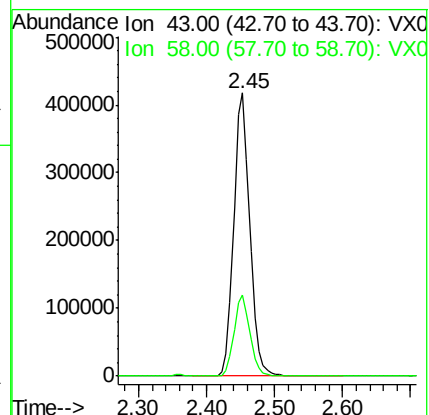
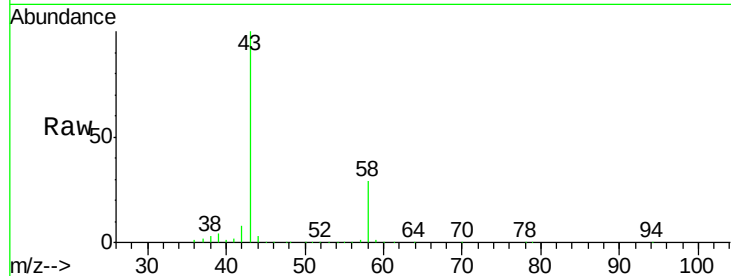
WP022RW349-180423

Tot Ion: 43 Resp: 683059

Ion Ratio Lower Upper

43 100

58 28.6 23.0 34.6



#17

Carbon Disulfide

Concen: 2.99 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001222.D

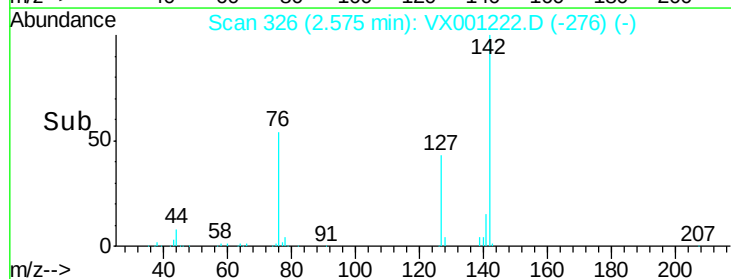
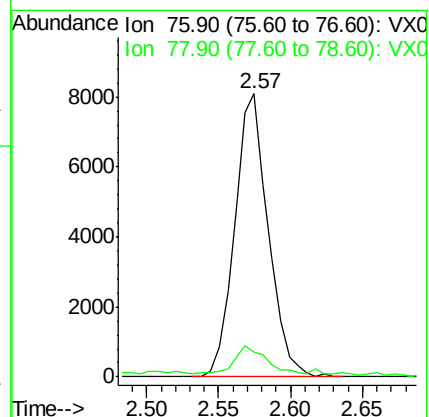
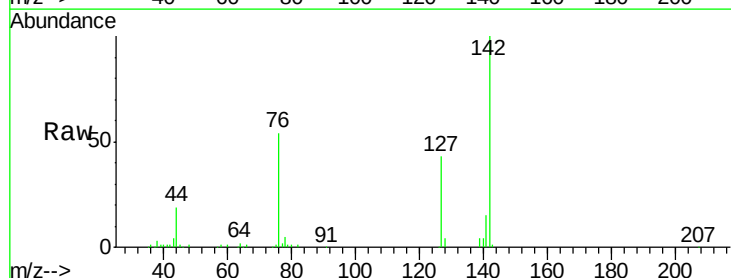
Acq: 28 Apr 2018 18:56

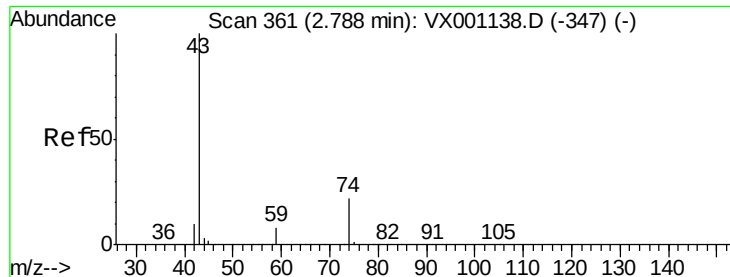
Tgt Ion: 76 Resp: 13068

Ion Ratio Lower Upper

76 100

78 7.9 7.3 10.9

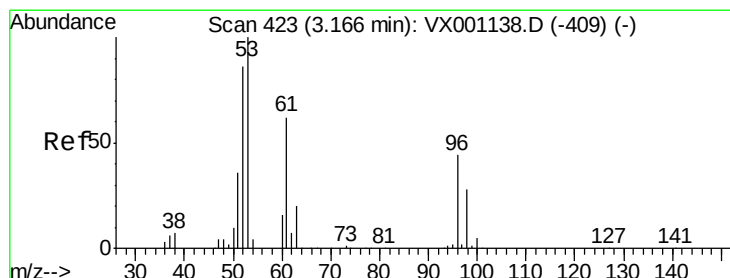
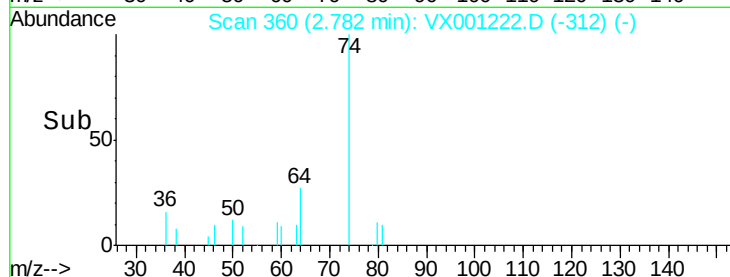
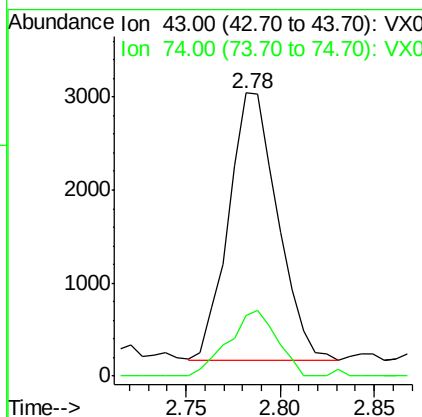
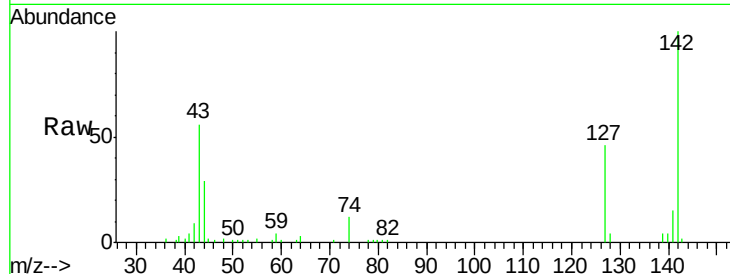




#18
Methyl Acetate
Concen: 1.91 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001222.D
Acq: 28 Apr 2018 18:56

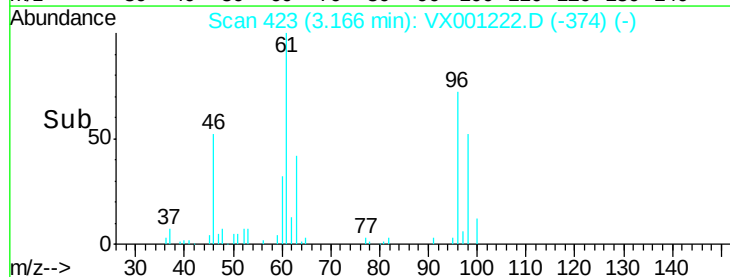
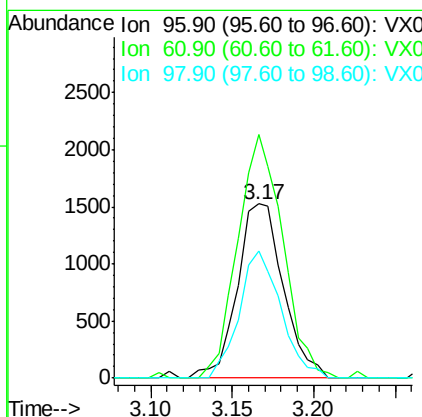
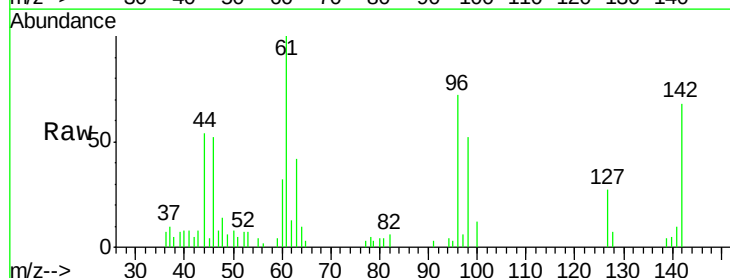
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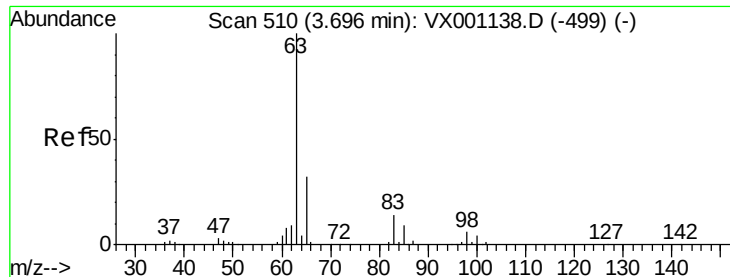
Tot Ion: 43 Resp: 5167
Ion Ratio Lower Upper
43 100
74 24.2 18.1 27.1



#21
trans-1,2-Dichloroethene
Concen: 1.58 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX001222.D
Acq: 28 Apr 2018 18:56

Tgt Ion: 96 Resp: 2999
Ion Ratio Lower Upper
96 100
61 139.8 111.9 167.9
98 72.7 51.1 76.7

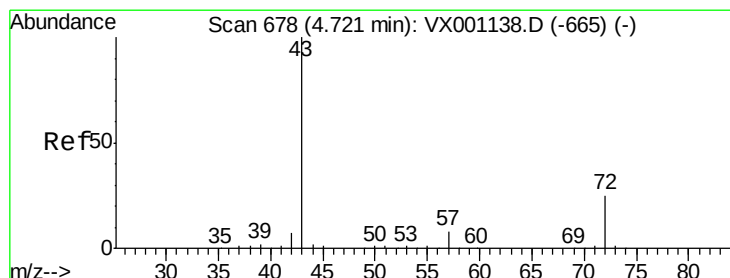
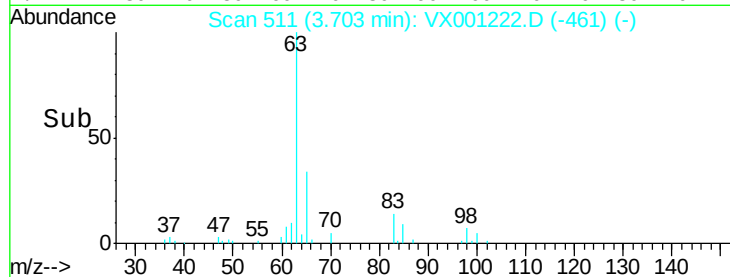
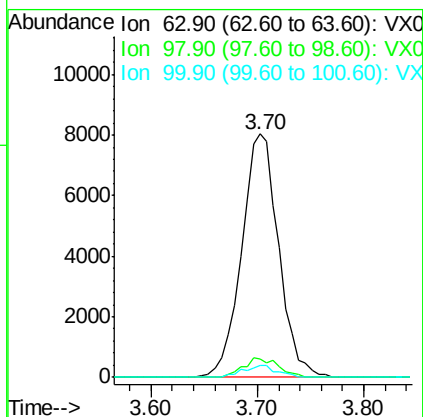
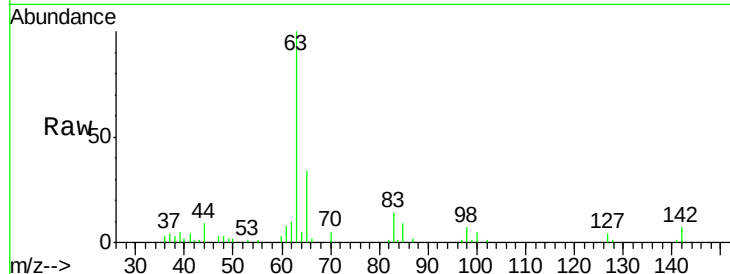




#24
 1,1-Dichloroethane
 Concen: 5.94 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX001222.D
 Acq: 28 Apr 2018 18:56

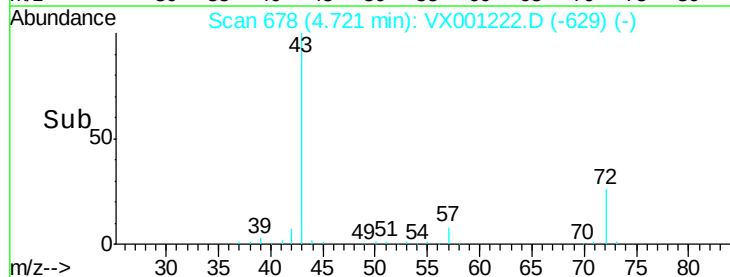
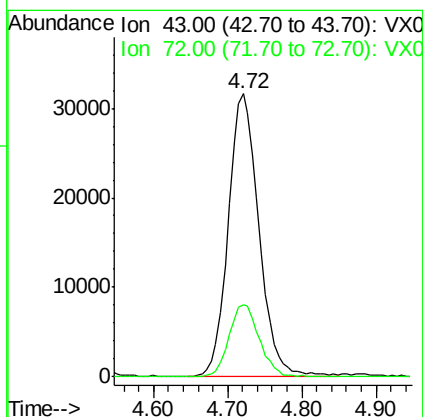
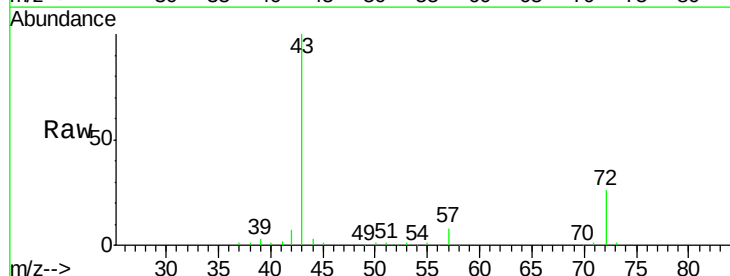
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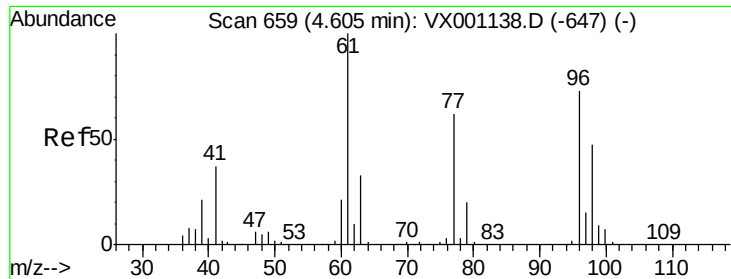
Tot Ion: 63 Resp: 19528
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.1 9.4
 100 5.1 2.1 6.5



#25
 2-Butanone
 Concen: 56.03 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX001222.D
 Acq: 28 Apr 2018 18:56

Tgt Ion: 43 Resp: 90607
 Ion Ratio Lower Upper
 43 100
 72 25.7 20.0 30.0





#27

cis-1,2-Dichloroethene

Concen: 11.21 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-180423

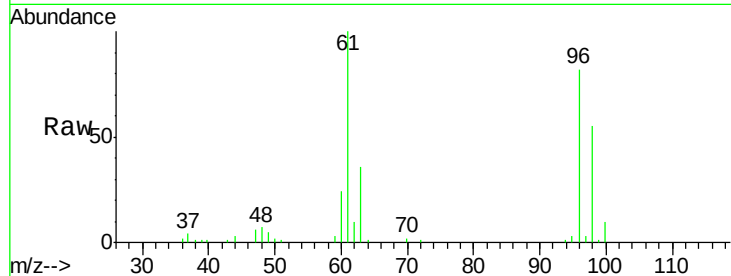
Tot Ion: 96 Resp: 23271

Ion Ratio Lower Upper

96 100

61 128.6 0.0 289.0

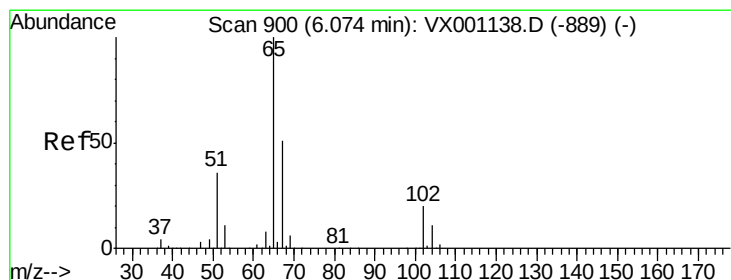
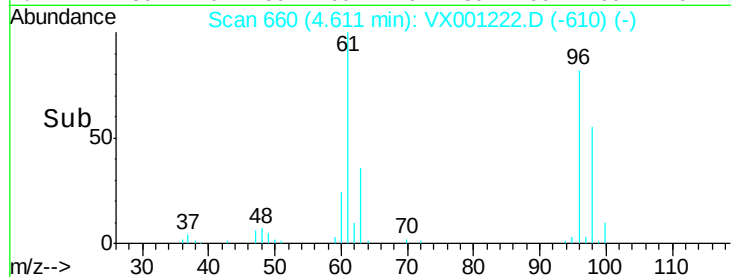
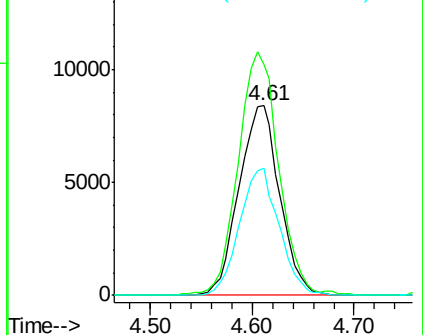
98 65.3 0.0 128.2



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



#33

1,2-Dichloroethane-d4

Concen: 47.91 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001222.D

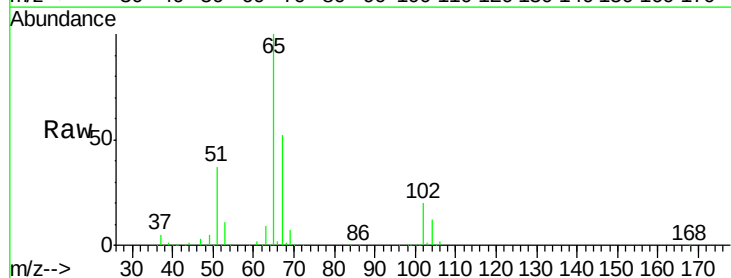
Acq: 28 Apr 2018 18:56

Tgt Ion: 65 Resp: 125933

Ion Ratio Lower Upper

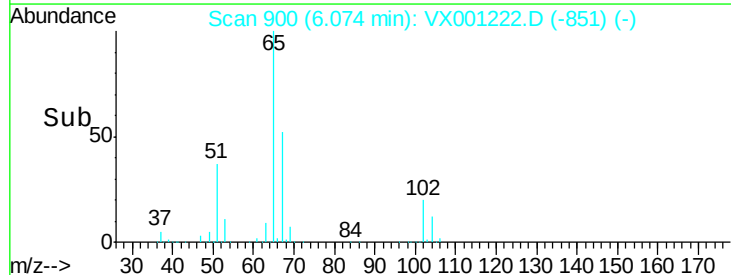
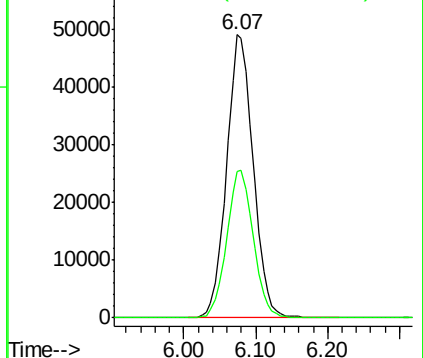
65 100

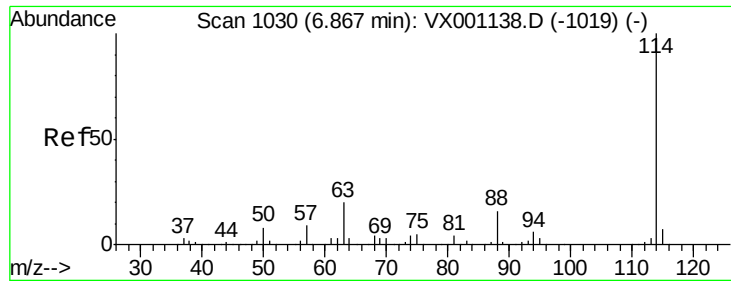
67 52.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-180423

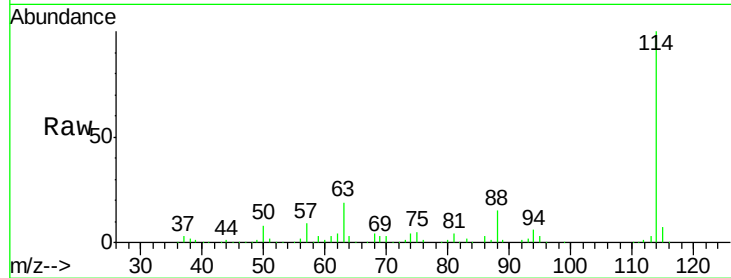
Tot Ion:114 Resp: 232957

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

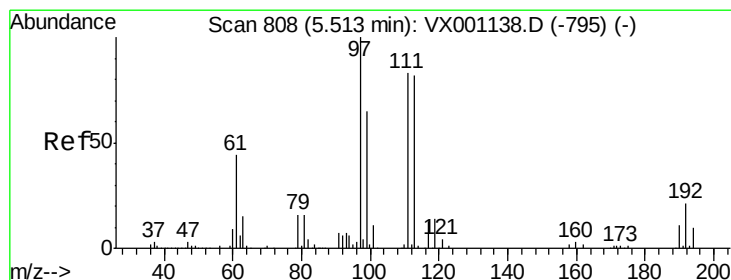
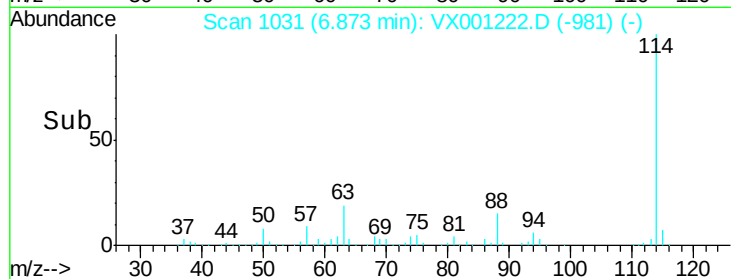
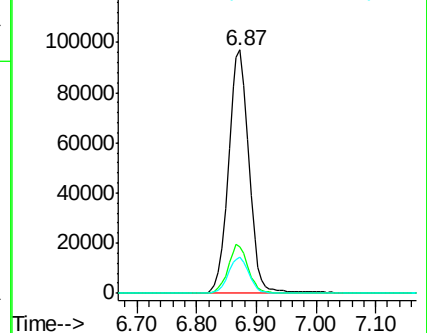
88 14.9 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.87 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

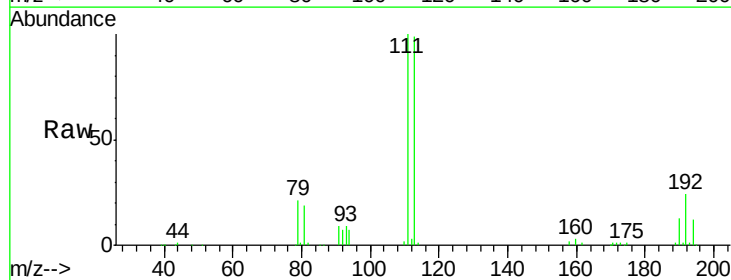
Tgt Ion:113 Resp: 100007

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

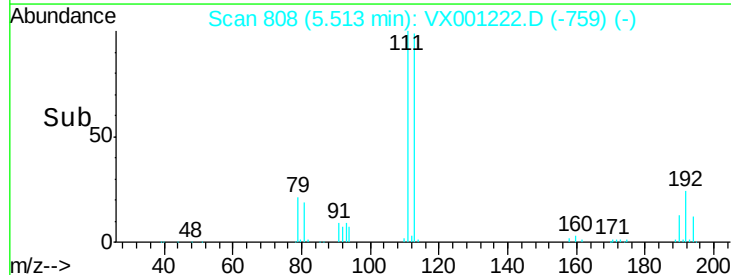
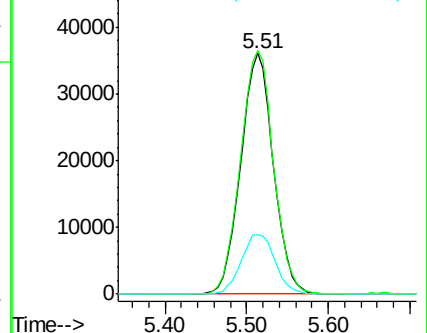
192 25.8 20.6 30.8

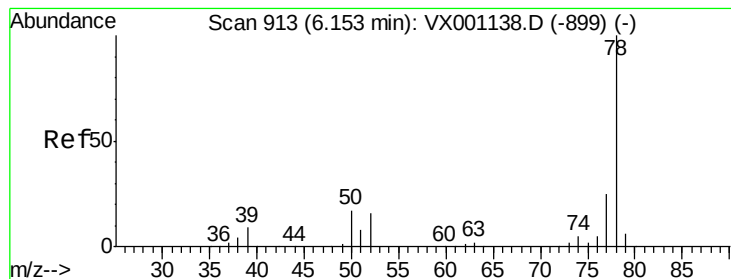


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.11 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001222.D

Acq: 28 Apr 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

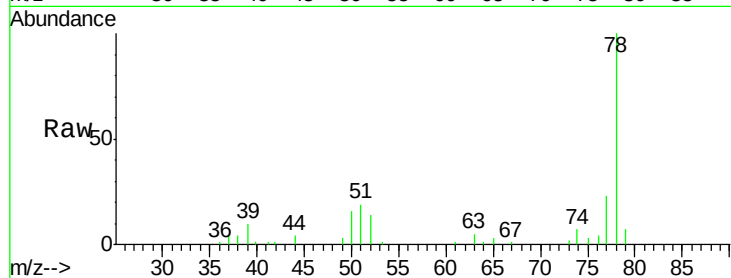
WP022RW349-180423

Tot Ion: 78 Resp: 23069

Ion Ratio Lower Upper

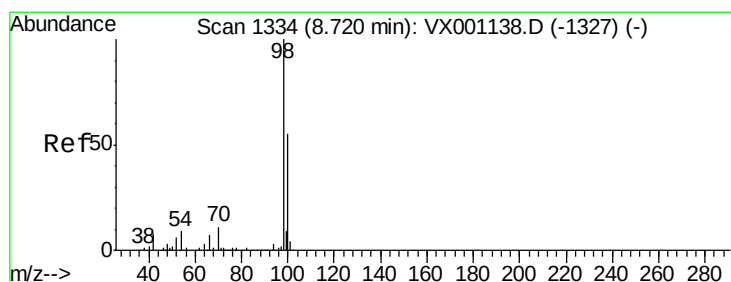
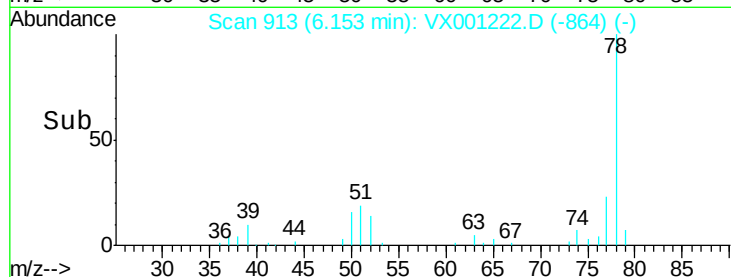
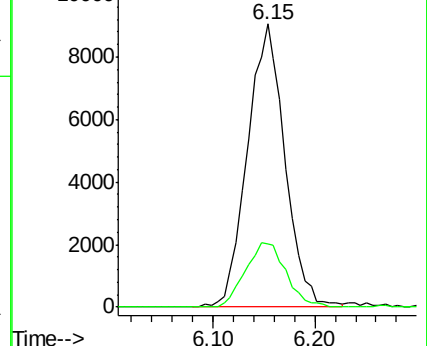
78 100

77 22.5 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001222.D

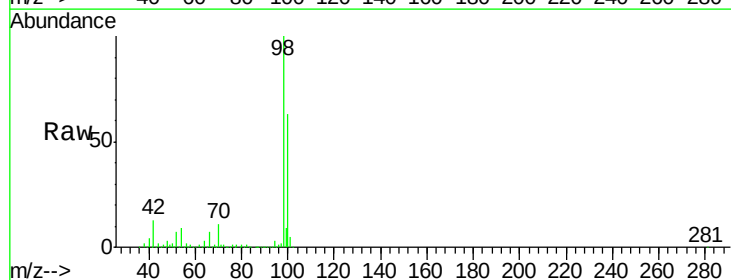
Acq: 28 Apr 2018 18:56

Tgt Ion: 98 Resp: 365397

Ion Ratio Lower Upper

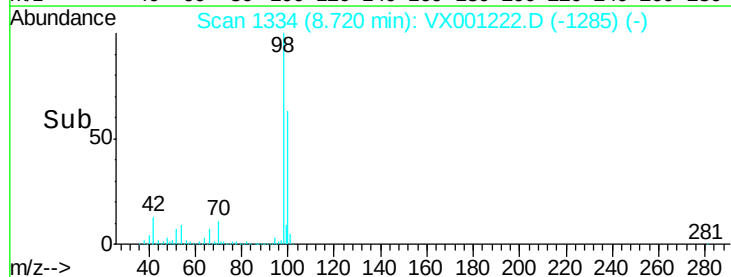
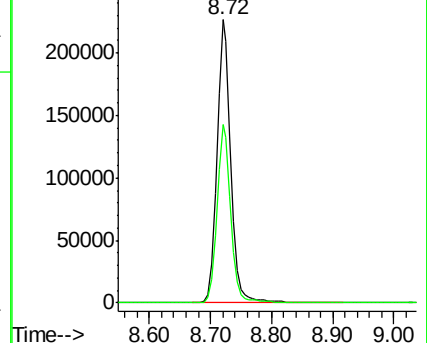
98 100

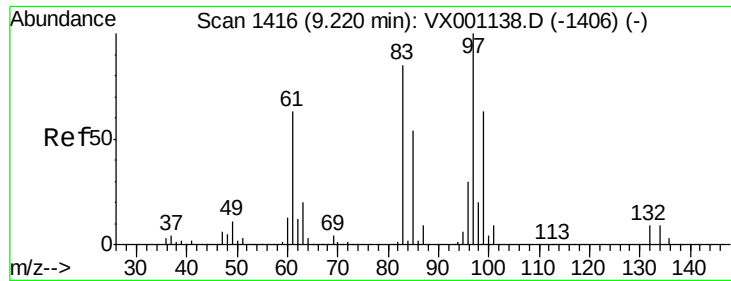
100 63.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

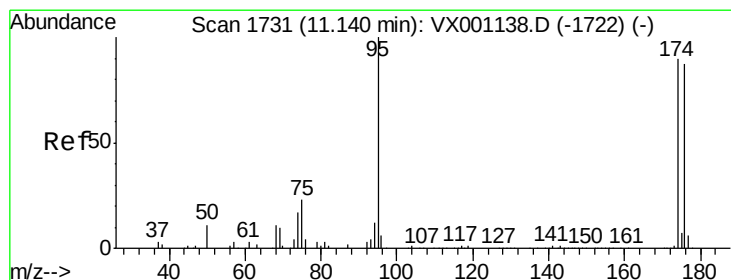
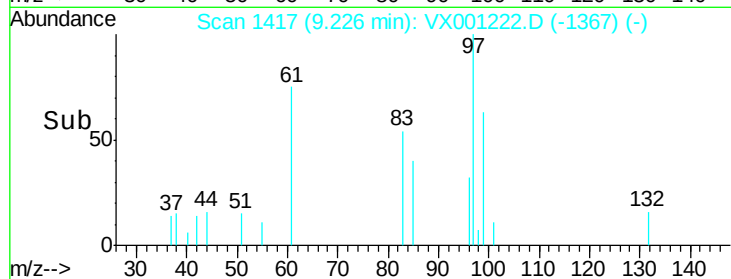
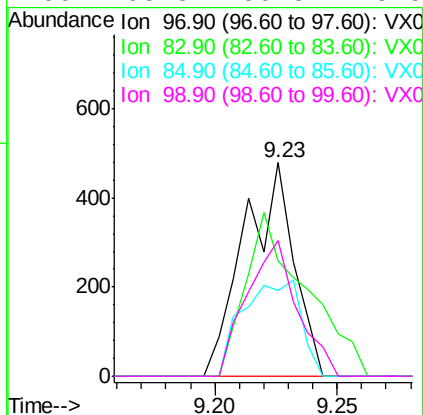
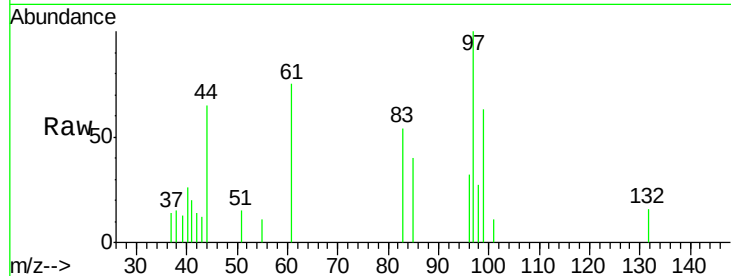




#55
 1,1,2-Trichloroethane
 Concen: 0.33 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001222.D
 Acq: 28 Apr 2018 18:56

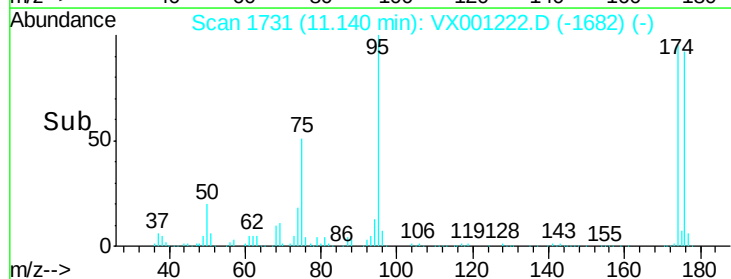
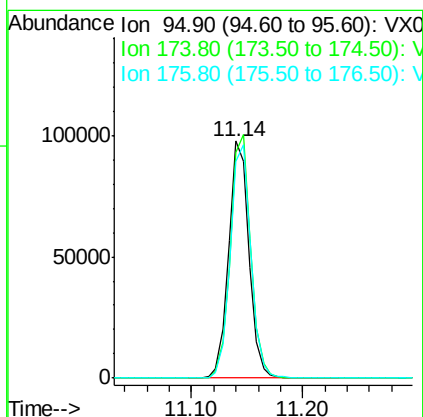
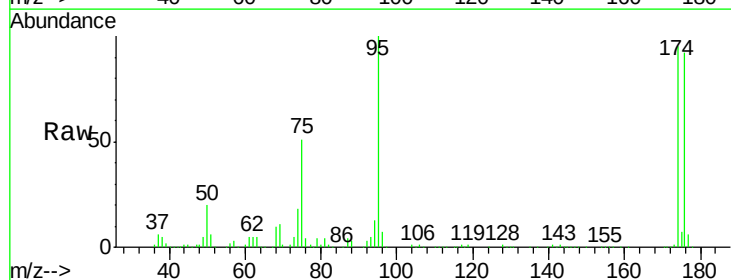
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-180423

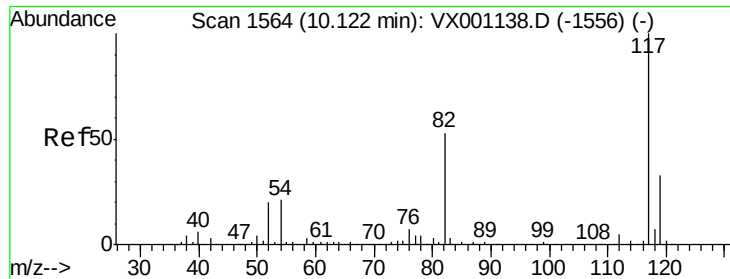
Tot Ion: 97 Resp: 679
 Ion Ratio Lower Upper
 97 100
 83 53.9 68.0 102.0#
 85 40.3 42.9 64.3#
 99 63.3 50.3 75.5



#62
 4-Bromofluorobenzene
 Concen: 43.35 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001222.D
 Acq: 28 Apr 2018 18:56

Tgt Ion: 95 Resp: 123216
 Ion Ratio Lower Upper
 95 100
 174 102.6 0.0 194.4
 176 99.8 0.0 190.2

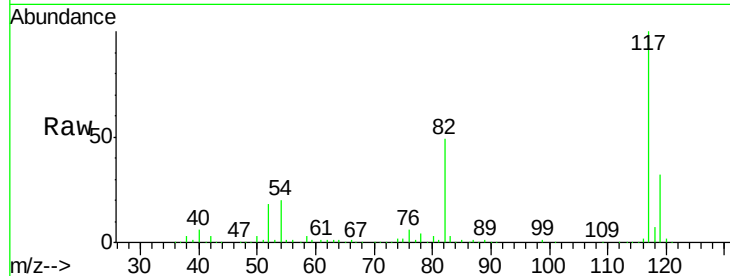




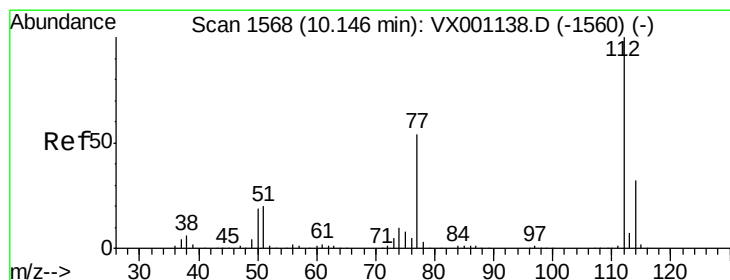
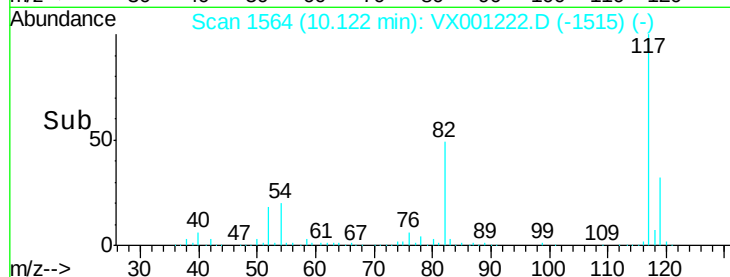
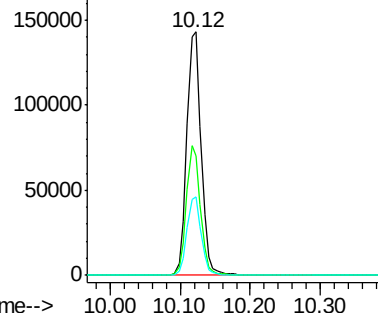
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001222.D
Acq: 28 Apr 2018 18:56

Instrument :
MSVOA_X
ClientSampleId :
WP022RW349-180423

Tot Ion:117 Resp: 205270
Ion Ratio Lower Upper
117 100
82 49.0 42.1 63.1
119 32.3 26.1 39.1

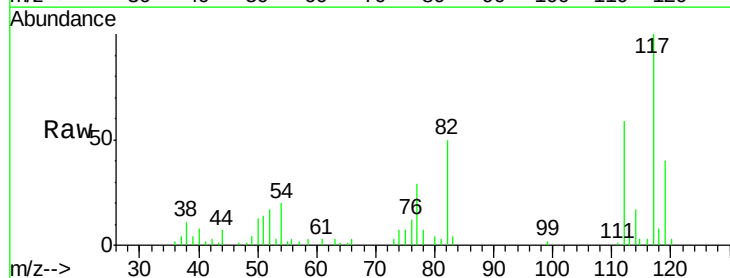


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

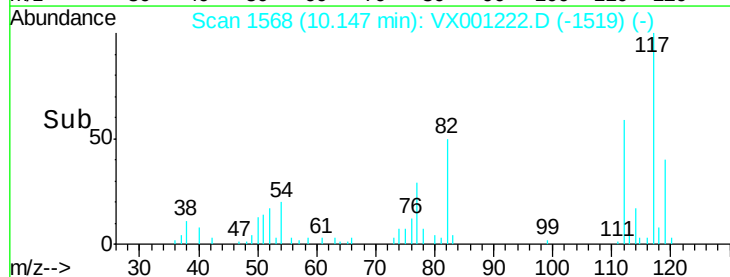
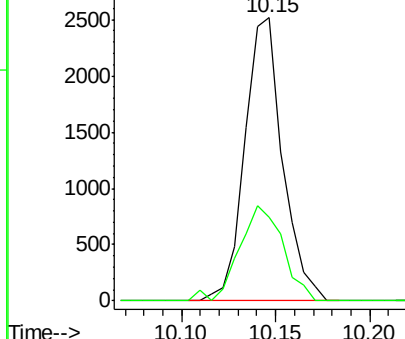


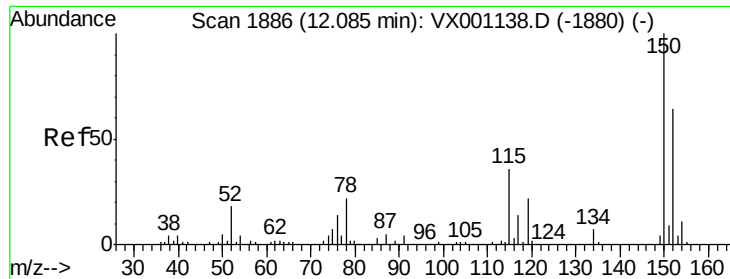
#65
Chlorobenzene
Concen: 0.65 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001222.D
Acq: 28 Apr 2018 18:56

Tgt Ion:112 Resp: 3501
Ion Ratio Lower Upper
112 100
114 29.6 25.7 38.5



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

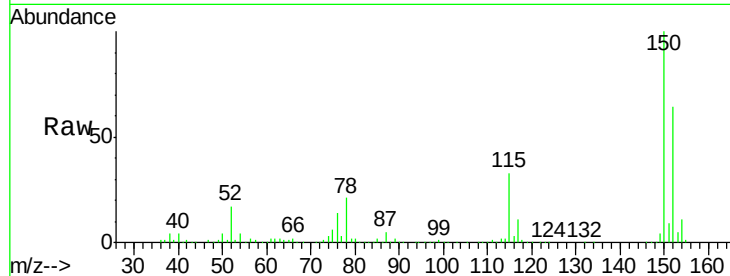




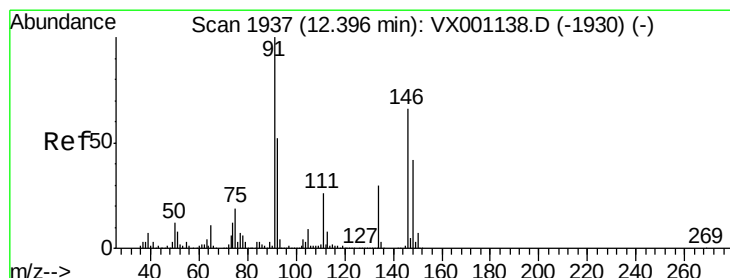
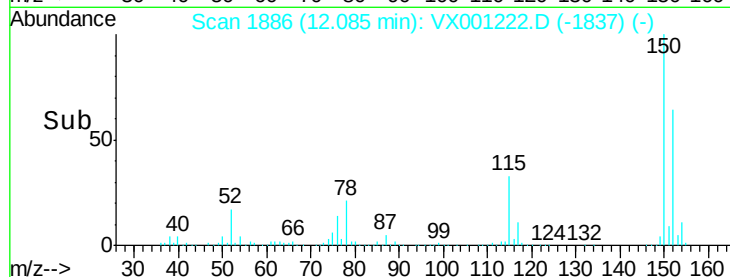
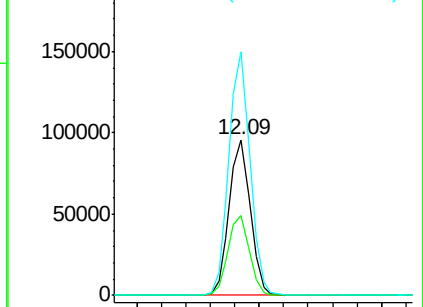
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX001222.D
 Acq: 28 Apr 2018 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-180423

Tot Ion:152 Resp: 114319
 Ion Ratio Lower Upper
 152 100
 115 51.9 38.0 114.0
 150 156.0 0.0 349.6

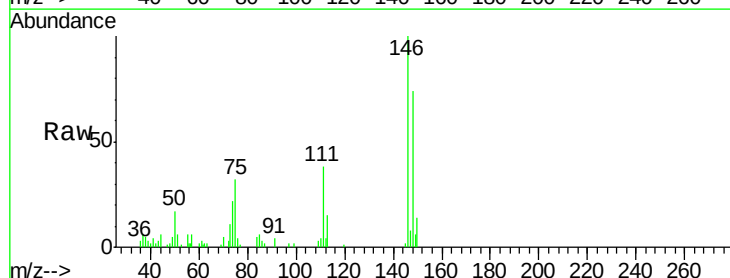


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



#91
 1,2-Dichlorobenzene
 Concen: 1.79 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001222.D
 Acq: 28 Apr 2018 18:56

Tgt Ion:146 Resp: 7179
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.3
 148 68.8 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

