

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003631.D
 Acq On : 24 Jul 2018 04:29
 Operator : JC/SP
 Sample : J4073-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-071718

Quant Time: Aug 01 08:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186631	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	138817	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.51	113	131875	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.72	98	493907	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.14	95	168780	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

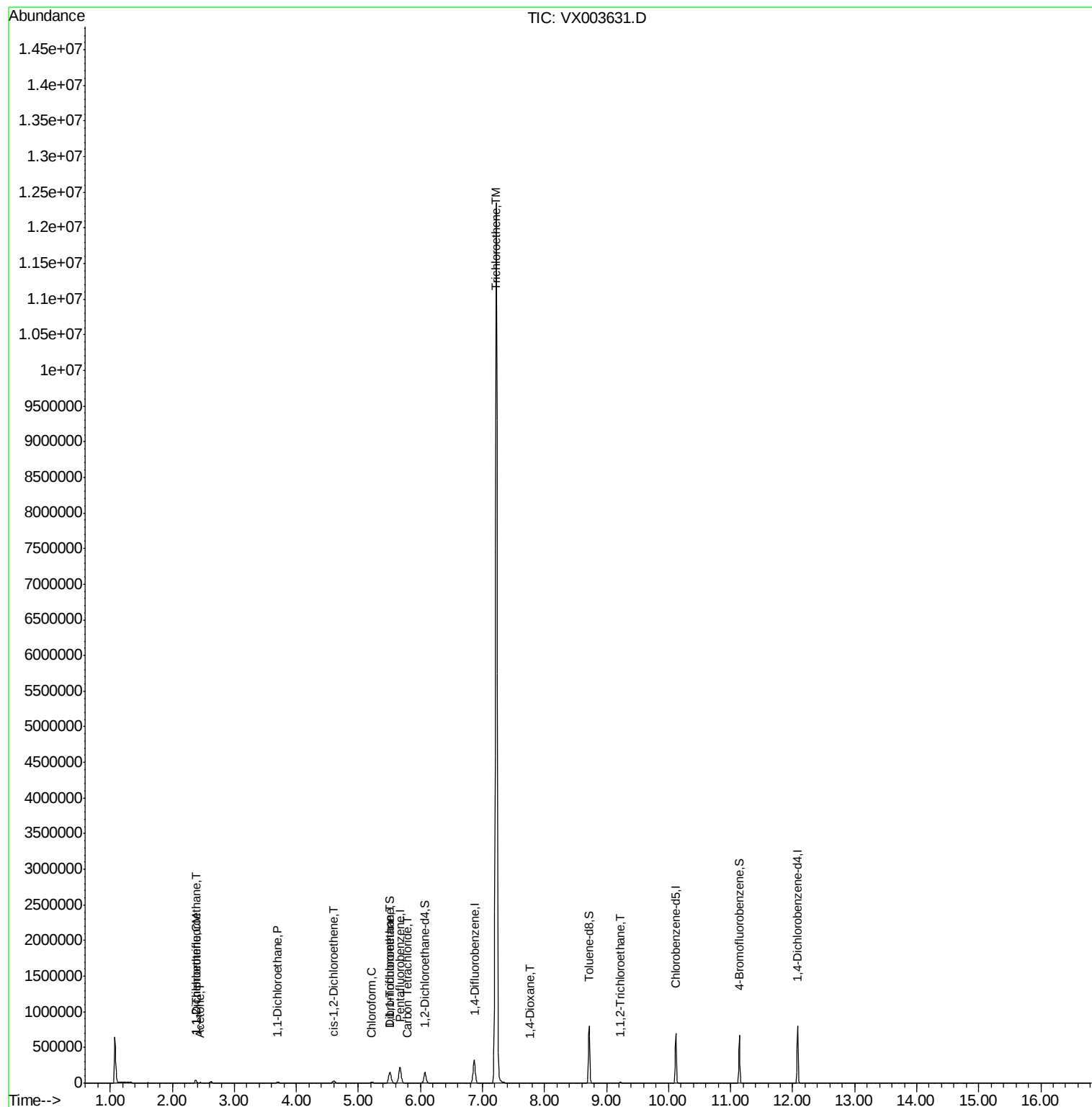
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	7670	2.787	ug/l	96
12) 1,1-Dichloroethene	2.37	96	10583	4.177	ug/l	80
16) Acetone	2.45	43	5371	4.842	ug/l #	83
24) 1,1-Dichloroethane	3.70	63	20014	4.041	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	18545	5.908	ug/l	72
30) Chloroform	5.22	83	14159	2.928	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	2680	0.647	ug/l #	48
38) Carbon Tetrachloride	5.78	117	3801	1.008	ug/l	95
44) Trichloroethene	7.22	130	5175978	1496.027	ug/l	98
49) 1,4-Dioxane	7.77	88	926	14.011	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	4454	1.533	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

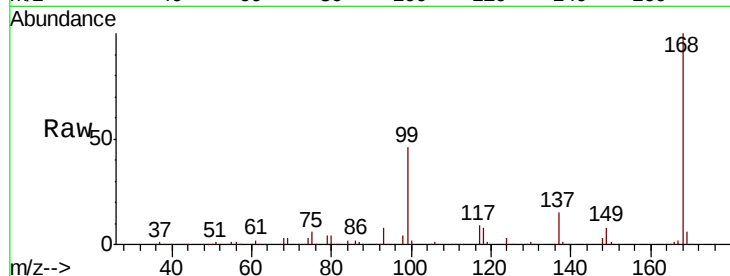
RE108D2-071718

Tgt Ion:168 Resp: 248087

Ion Ratio Lower Upper

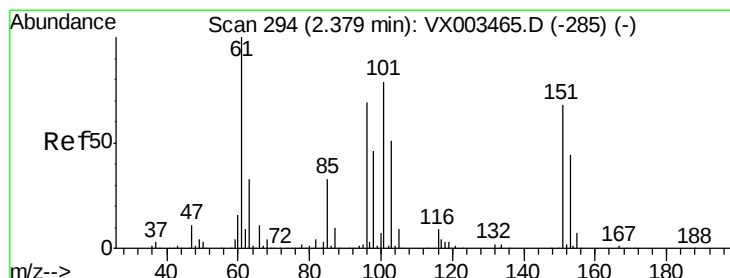
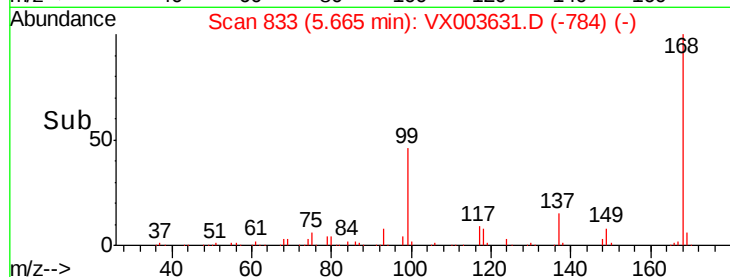
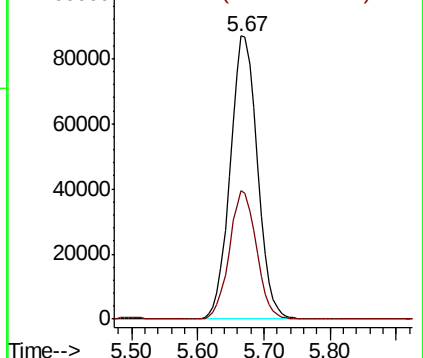
168 100

99 45.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.787 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

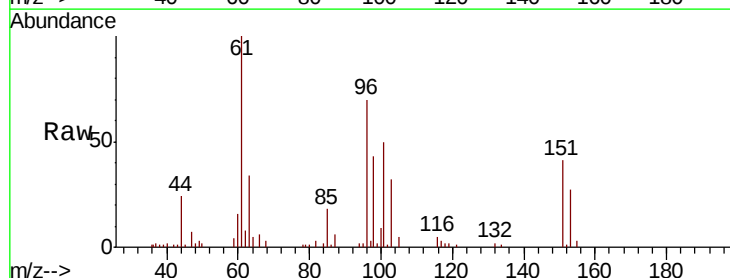
Tgt Ion:101 Resp: 7670

Ion Ratio Lower Upper

101 100

85 39.9 36.0 54.0

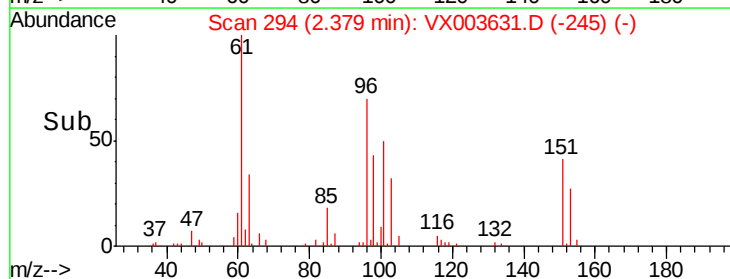
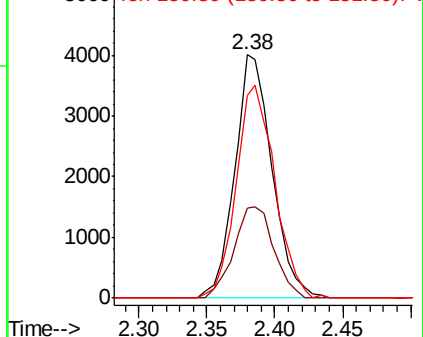
151 90.4 70.9 106.3

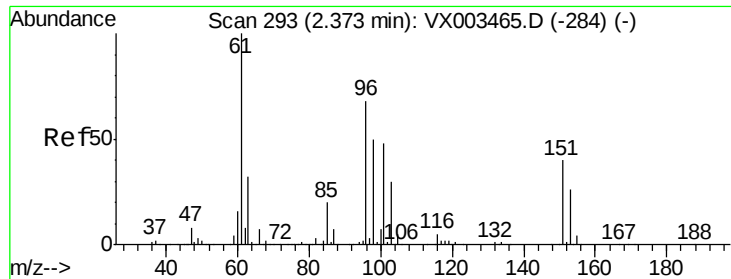


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 4.177 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-071718

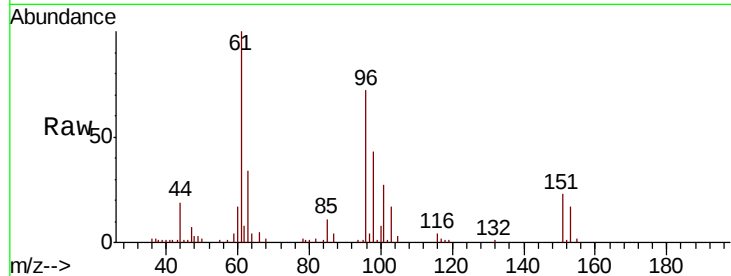
Tgt Ion: 96 Resp: 10583

Ion Ratio Lower Upper

96 100

61 138.4 137.9 206.9

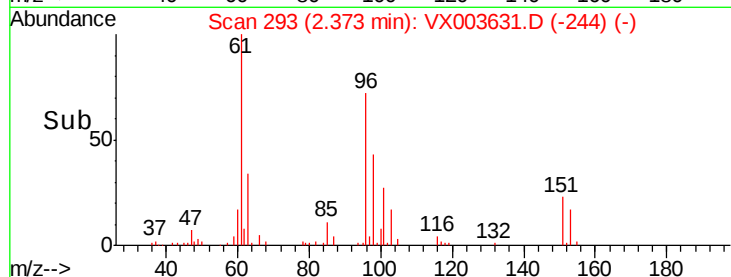
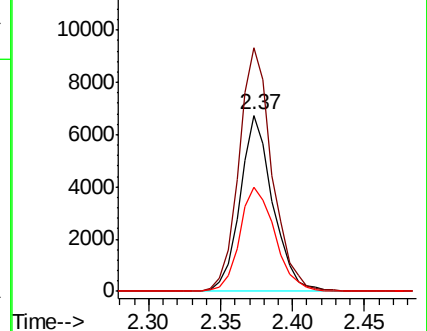
98 59.2 51.6 77.4



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



#16

Acetone

Concen: 4.842 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003631.D

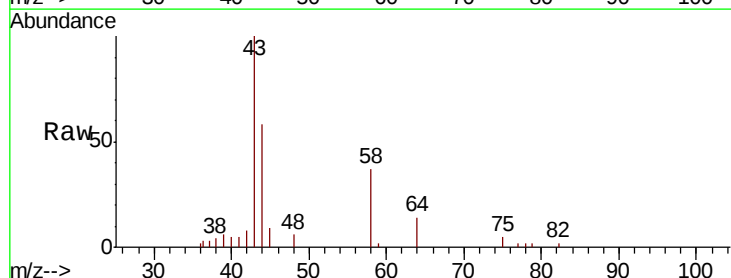
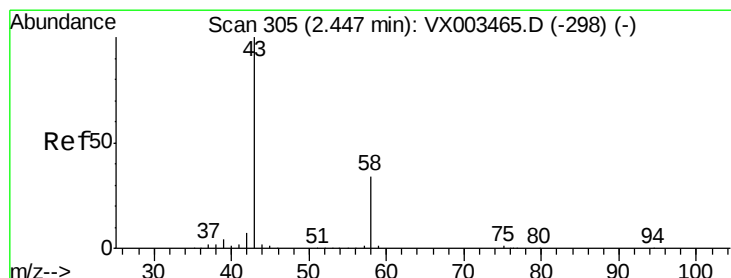
Acq: 24 Jul 2018 04:29

Tgt Ion: 43 Resp: 5371

Ion Ratio Lower Upper

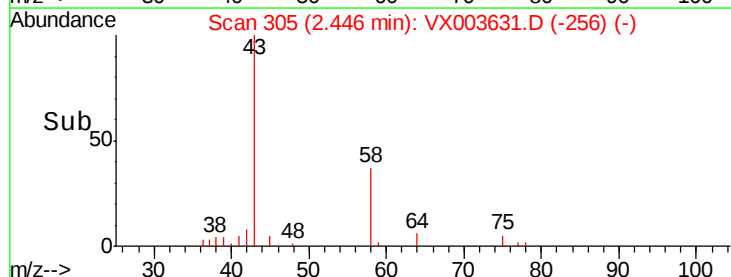
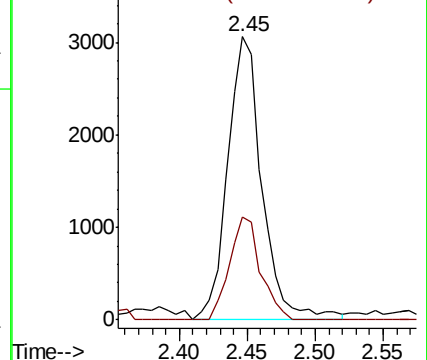
43 100

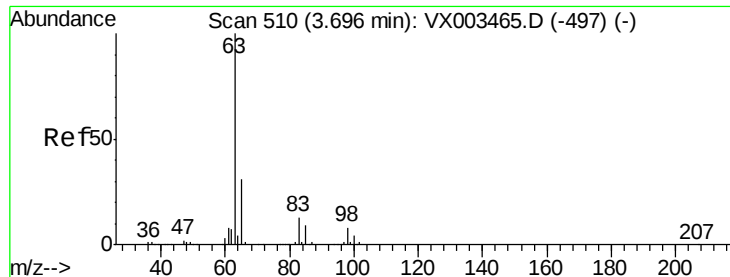
58 36.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 4.041 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-071718

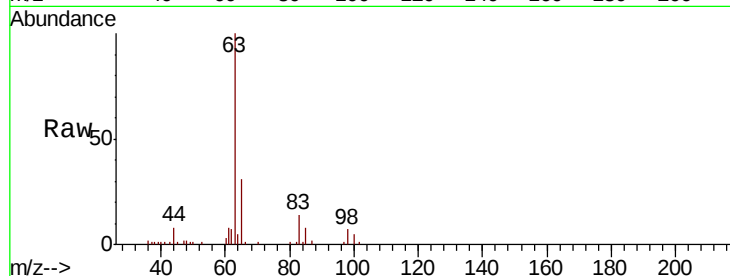
Tgt Ion: 63 Resp: 20014

Ion Ratio Lower Upper

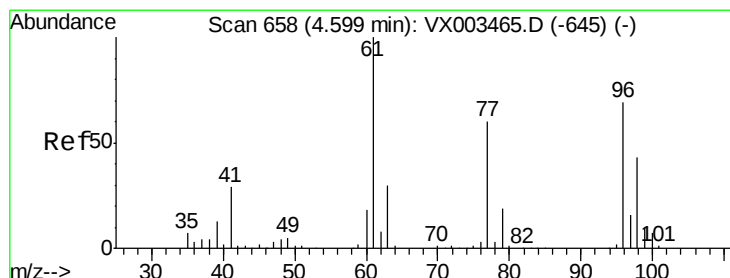
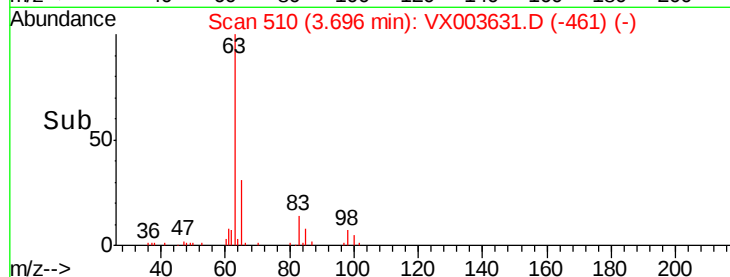
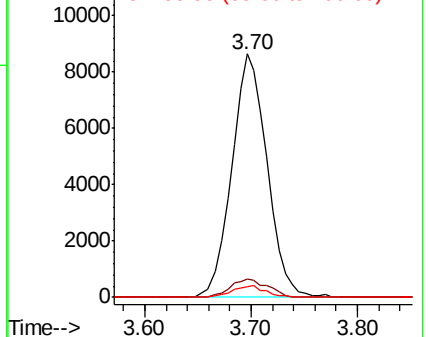
63 100

98 7.4 3.4 10.2

100 4.5 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: 5.908 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

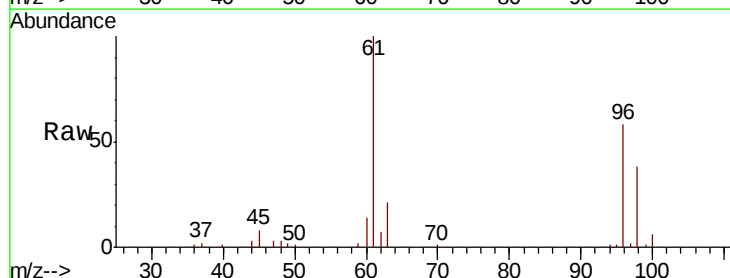
Tgt Ion: 96 Resp: 18545

Ion Ratio Lower Upper

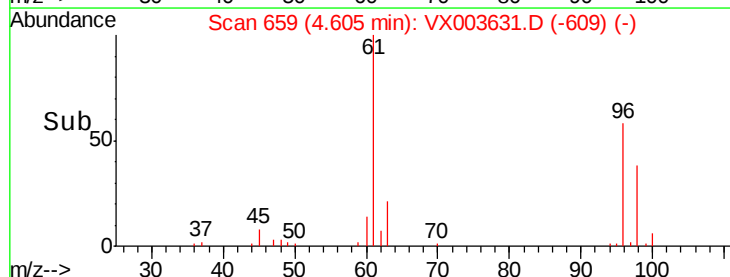
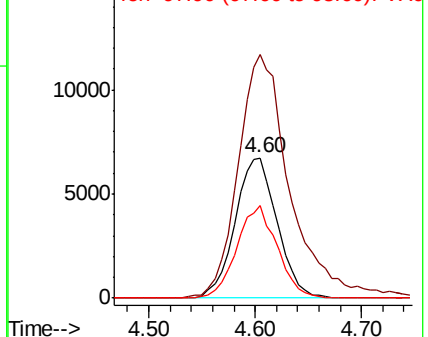
96 100

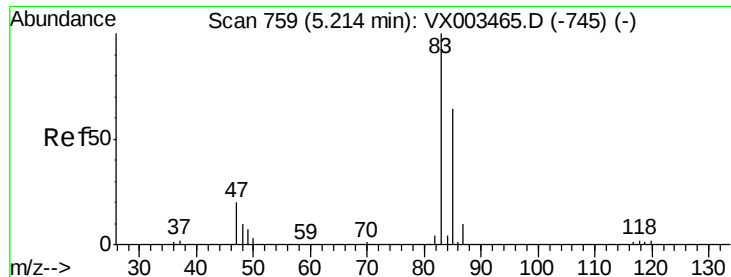
61 216.5 0.0 330.2

98 63.7 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

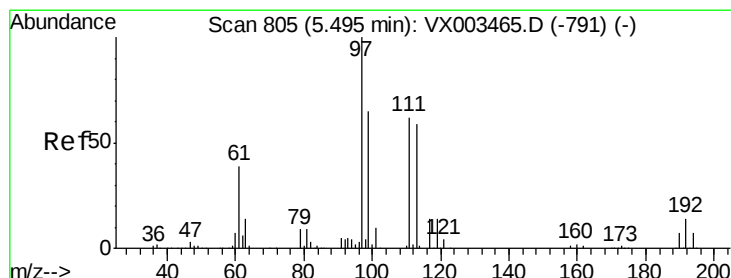
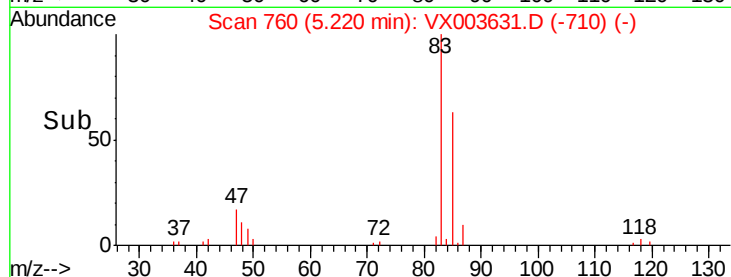
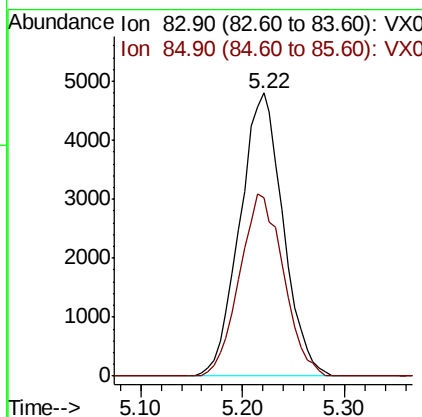
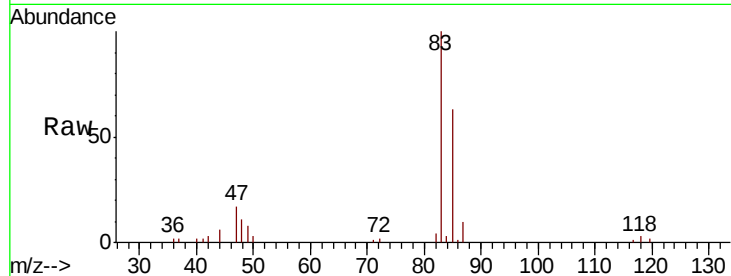




#30
 Chloroform
 Concen: 2.928 ug/l
 RT: 5.22 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

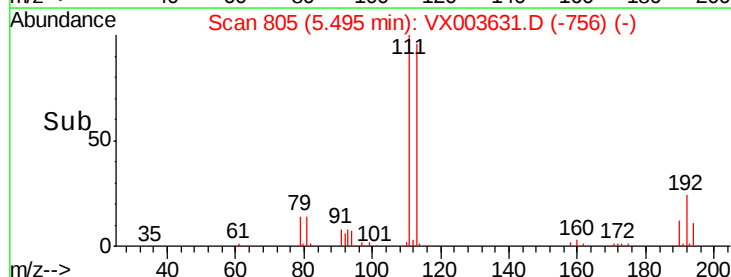
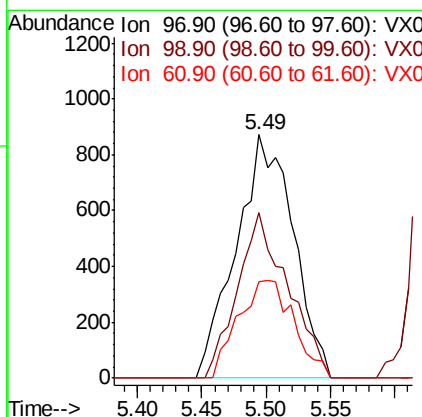
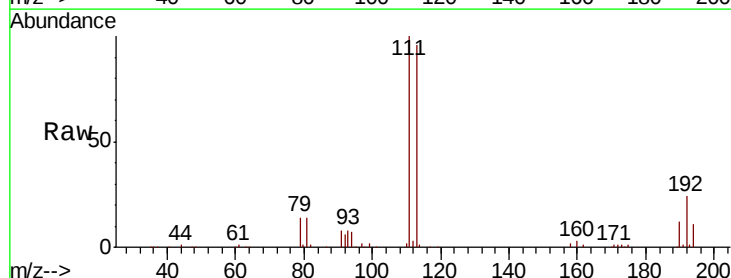
Instrument :
 MSVOA_X
 ClientSampleId :
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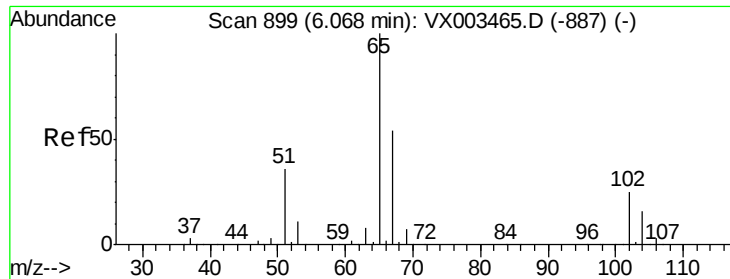
Tgt Ion: 83 Resp: 14159
 Ion Ratio Lower Upper
 83 100
 85 63.2 50.4 75.6



#32
 1,1,1-Trichloroethane
 Concen: 0.647 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

Tgt Ion: 97 Resp: 2680
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.6 77.4#
 61 39.1 36.4 54.6

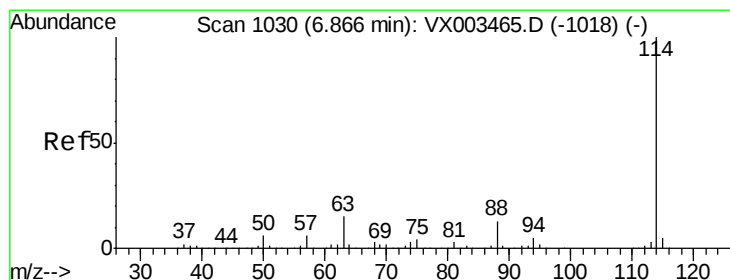
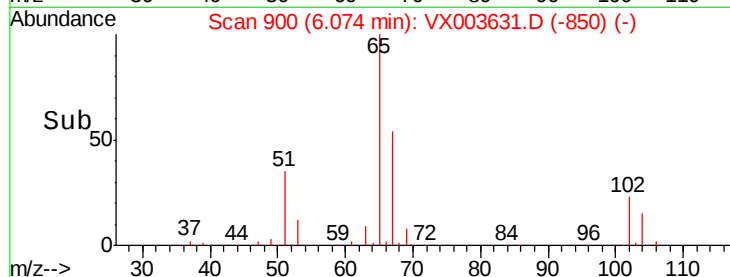
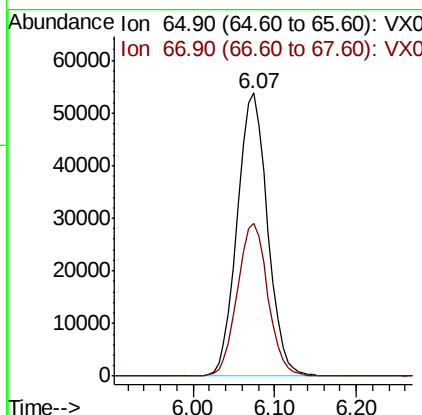
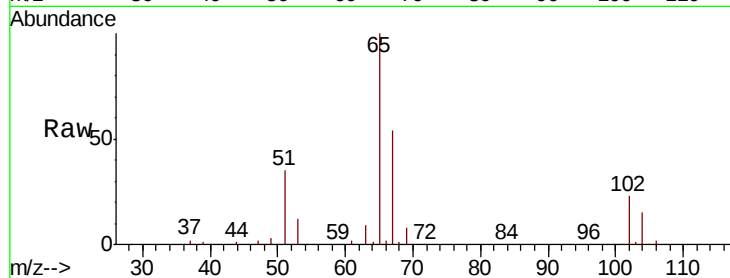




#33
 1,2-Dichloroethane-d4
 Concen: 47.270 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

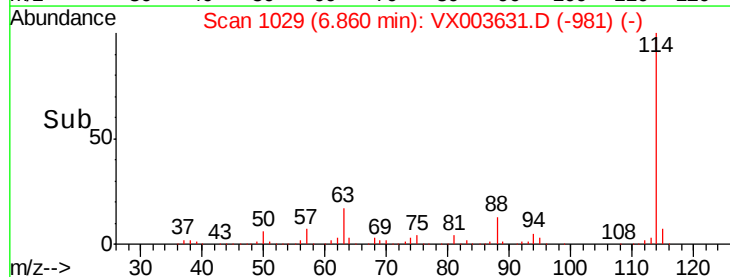
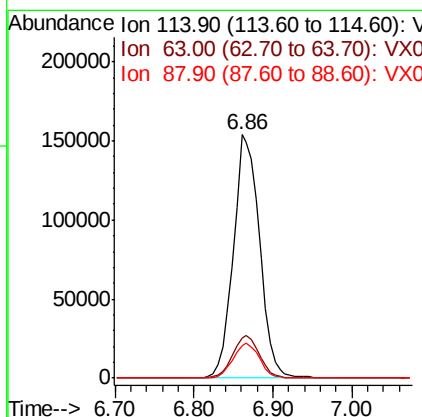
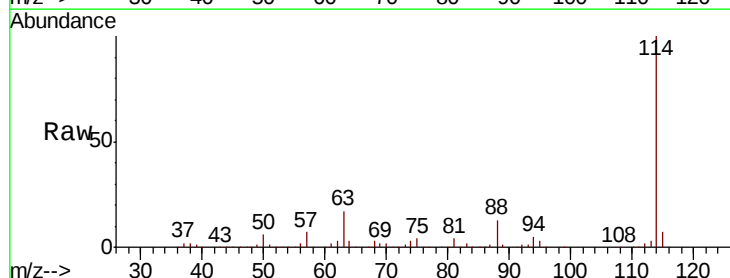
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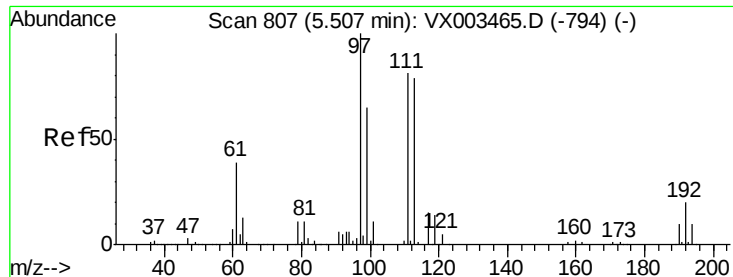
Tgt Ion: 65 Resp: 138817
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

Tgt Ion: 114 Resp: 355895
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 41.4
 88 13.3 0.0 30.0

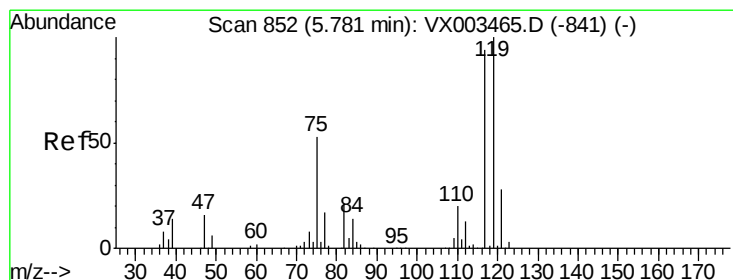
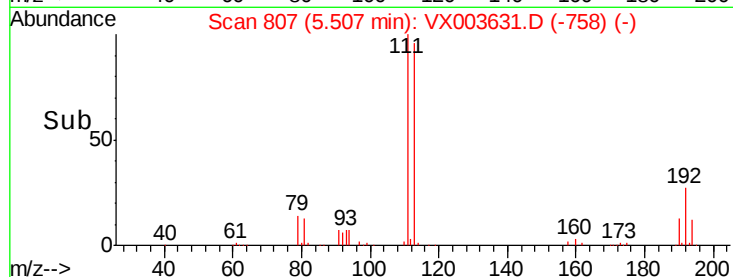
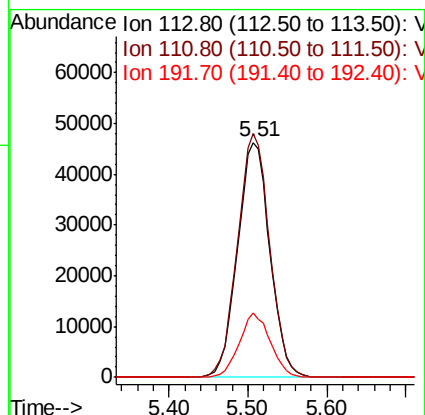
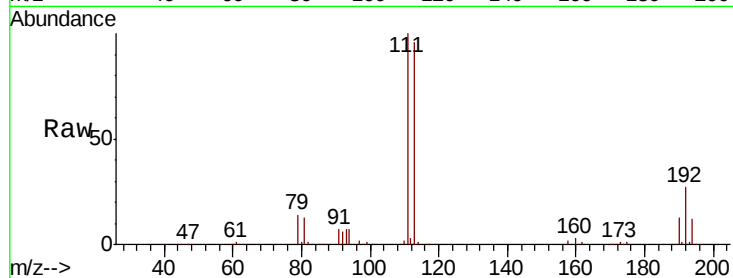




#35
 Dibromofluoromethane
 Concen: 48.649 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

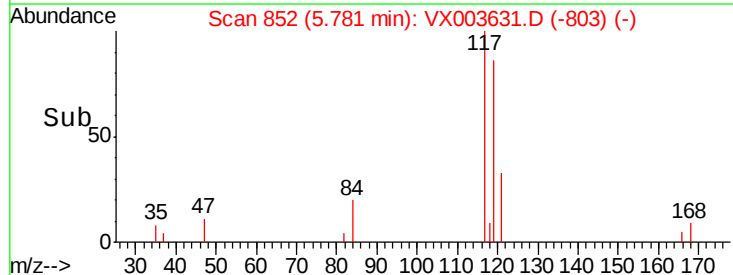
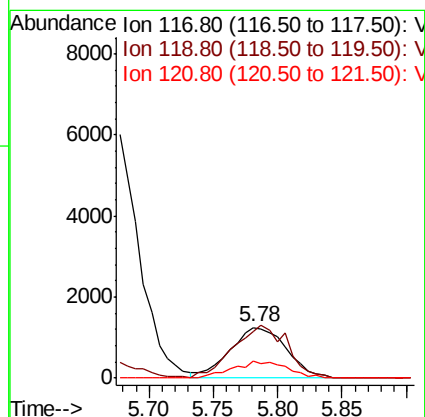
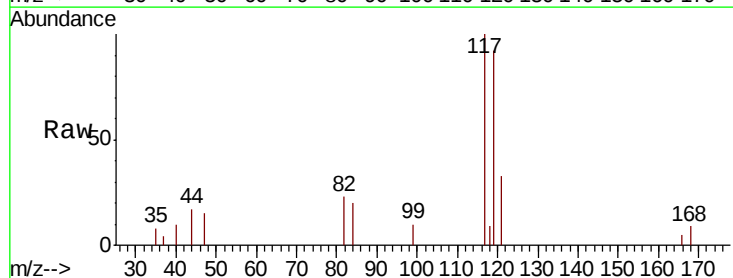
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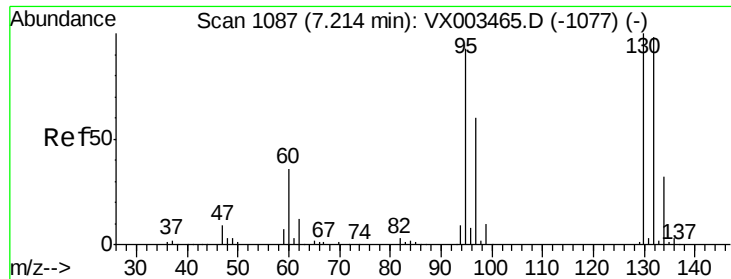
Tgt Ion:113 Resp: 131875
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.0
 192 26.3 19.1 28.7



#38
 Carbon Tetrachloride
 Concen: 1.008 ug/l
 RT: 5.78 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

Tgt Ion:117 Resp: 3801
 Ion Ratio Lower Upper
 117 100
 119 92.2 77.4 116.0
 121 33.0 24.4 36.6





#44

Trichloroethene

Concen: 1496.027 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

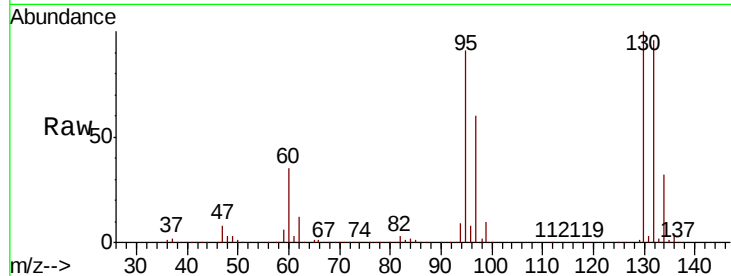
RE108D2-071718

Tgt Ion:130 Resp: 5175978

Ion Ratio Lower Upper

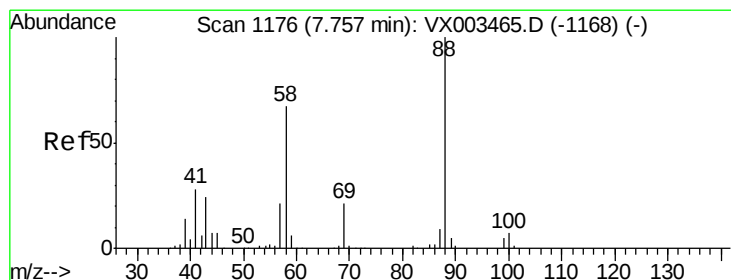
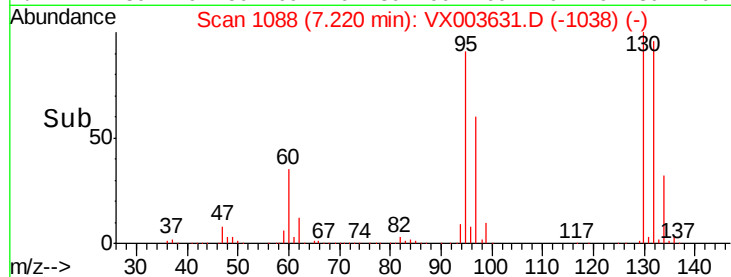
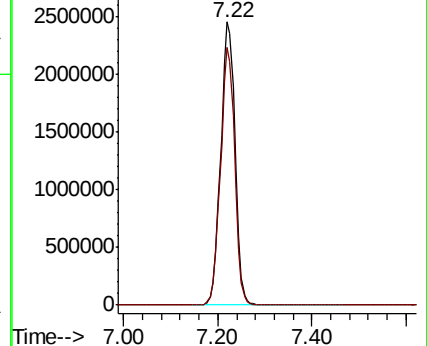
130 100

95 90.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 14.011 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

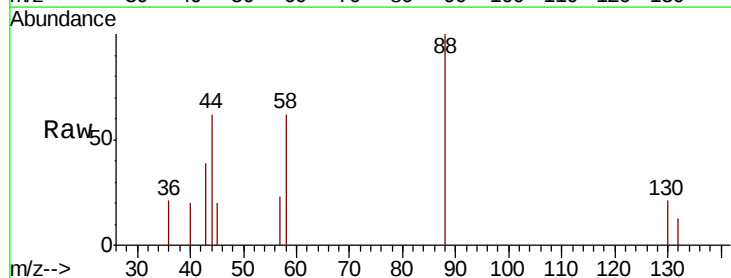
Tgt Ion: 88 Resp: 926

Ion Ratio Lower Upper

88 100

43 35.7 29.8 44.6

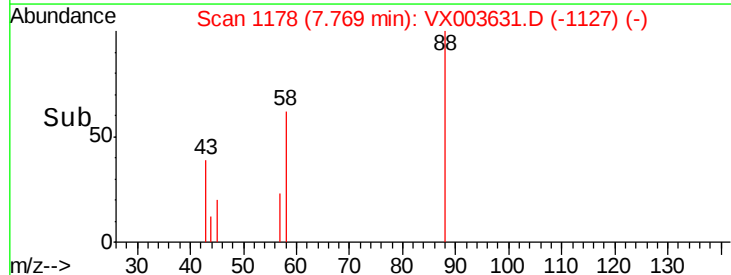
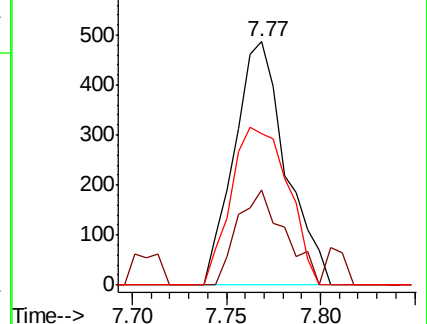
58 71.6 57.1 85.7

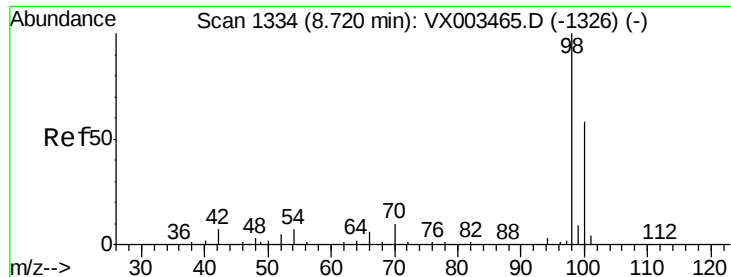


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

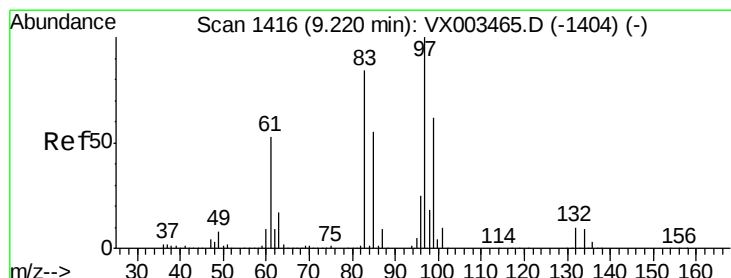
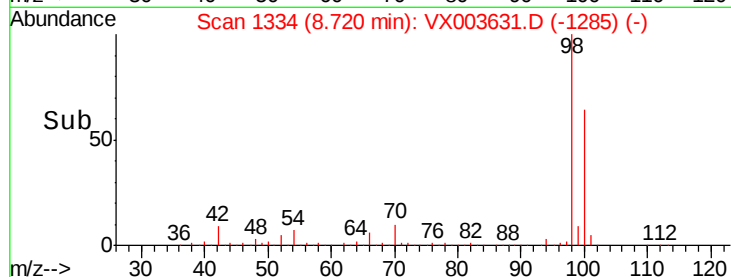
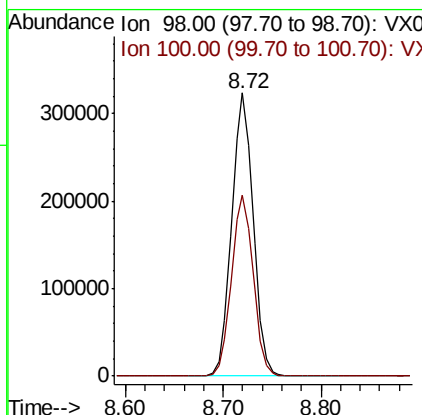
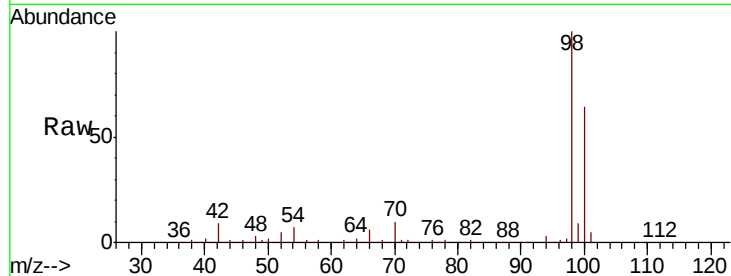




#50
Toluene-d8
Concen: 48.476 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003631.D
Acq: 24 Jul 2018 04:29

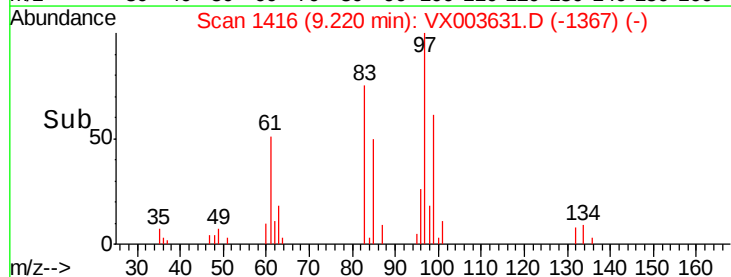
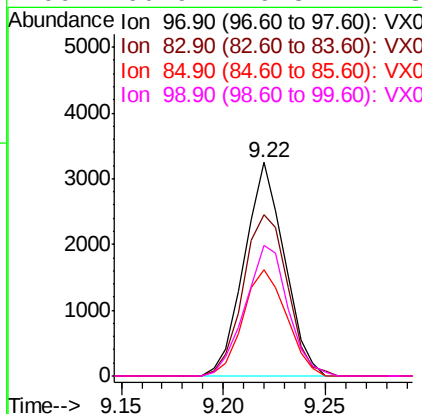
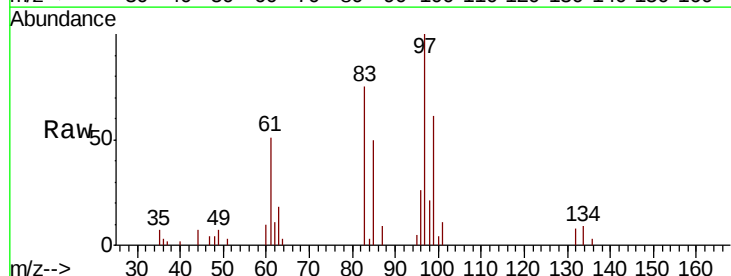
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-071718

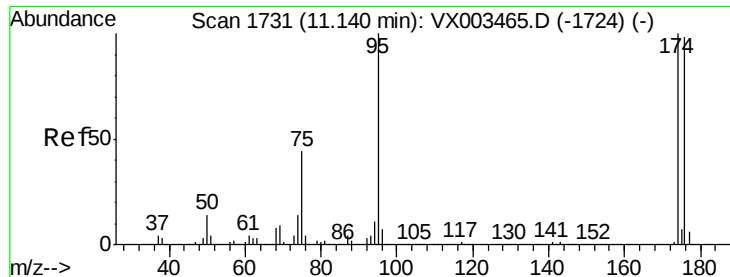
Tgt Ion: 98 Resp: 493907
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3



#55
1,1,2-Trichloroethane
Concen: 1.533 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX003631.D
Acq: 24 Jul 2018 04:29

Tgt Ion: 97 Resp: 4454
Ion Ratio Lower Upper
97 100
83 75.2 70.2 105.2
85 49.5 44.9 67.3
99 60.9 49.8 74.8





#62

4-Bromofluorobenzene

Concen: 45.392 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-071718

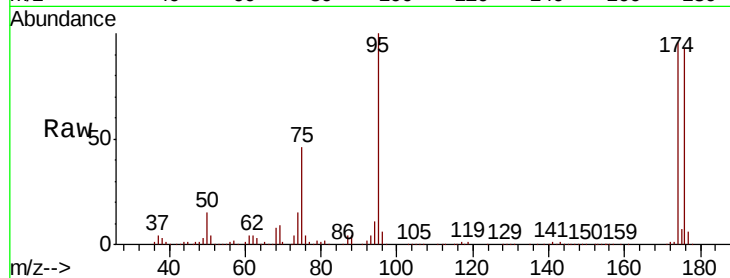
Tgt Ion: 95 Resp: 168780

Ion Ratio Lower Upper

95 100

174 101.2 0.0 187.4

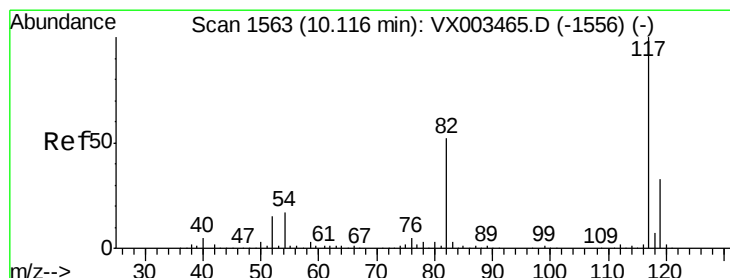
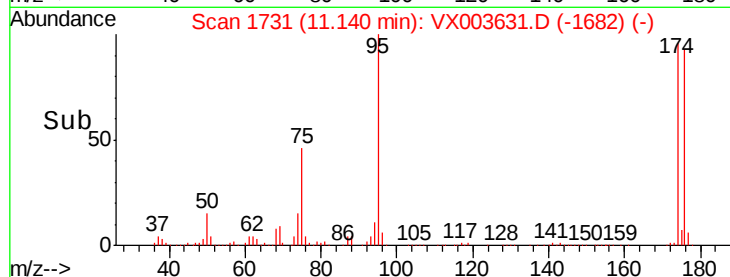
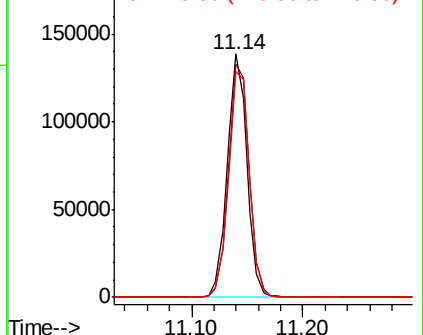
176 98.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003465.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003465.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003465.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003631.D

Acq: 24 Jul 2018 04:29

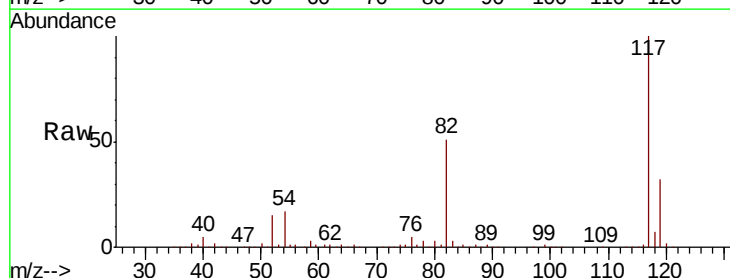
Tgt Ion: 117 Resp: 336257

Ion Ratio Lower Upper

117 100

82 50.9 45.0 67.4

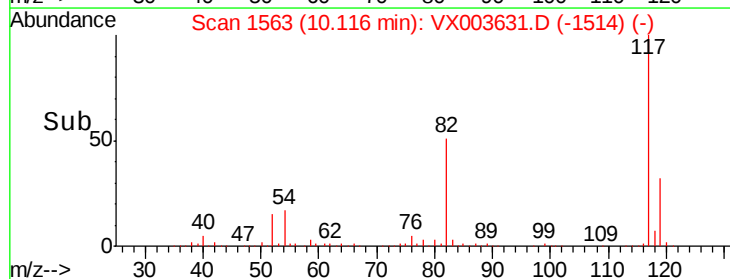
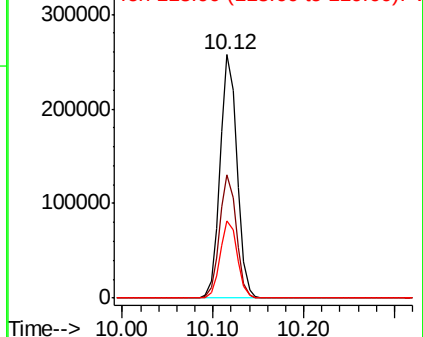
119 31.8 25.8 38.6

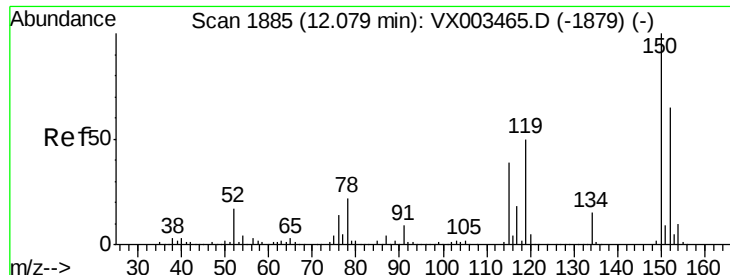


Abundance Ion 116.90 (116.60 to 117.60): VX003465.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003465.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003465.D (-1556) (-)

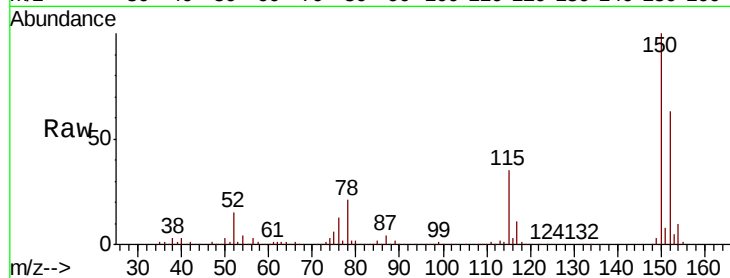




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX003631.D
 Acq: 24 Jul 2018 04:29

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-071718

Tgt Ion:152 Resp: 186631
 Ion Ratio Lower Upper
 152 100
 115 53.0 40.1 120.2
 150 156.4 0.0 347.2



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

