

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003215.D
 Acq On : 06 Jul 2018 14:45
 Operator : JC/MD
 Sample : J3894-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 09 09:33:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	50231	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	265914	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	250029	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	109855	28.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.47%
60) 4-Bromofluorobenzene	11.14	95	121990	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	8.72	98	312027	28.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.23%

Target Compounds

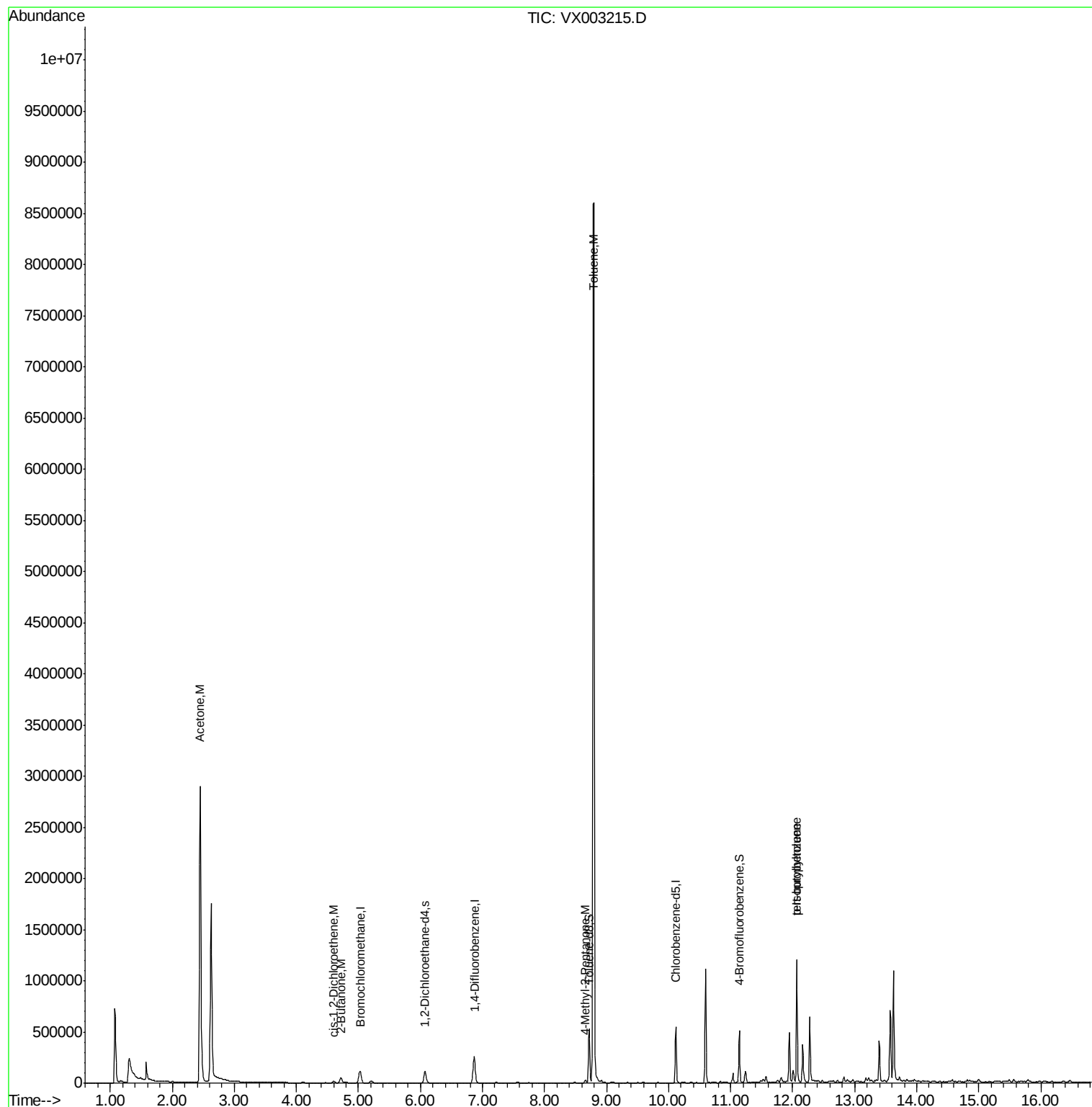
					Ovalue
15) Acetone	2.45	58	957454	2173.283	ug/l 94
22) cis-1,2-Dichloroethene	4.60	96	9355	3.125	ug/l 89
30) 2-Butanone	4.71	43	90443	44.015	ug/l 97
58) 4-Methyl-2-Pentanone	8.65	43	18683	4.401	ug/l 99
62) Toluene	8.79	91	5744048	476.609	ug/l 99
79) tert-butylbenzene	12.07	119	527147	39.723	ug/l 98
82) p-Isopropyltoluene	12.07	119	527147	39.723	ug/l 98

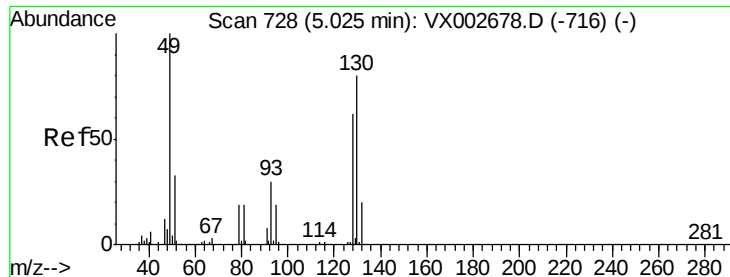
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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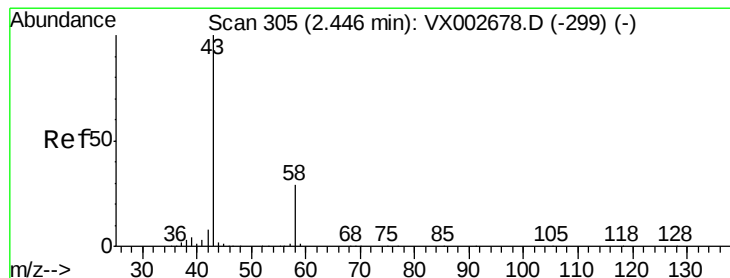
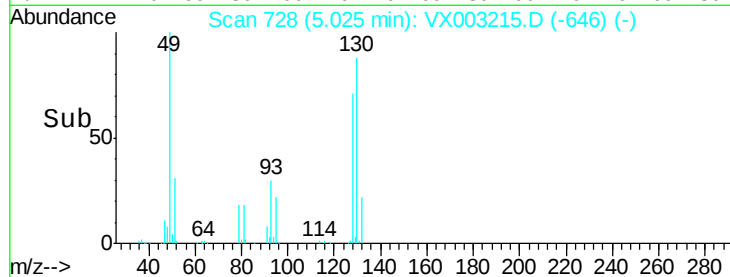
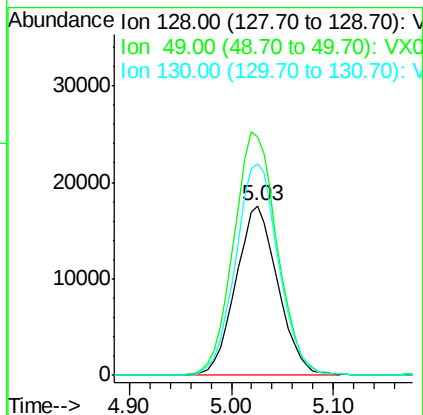
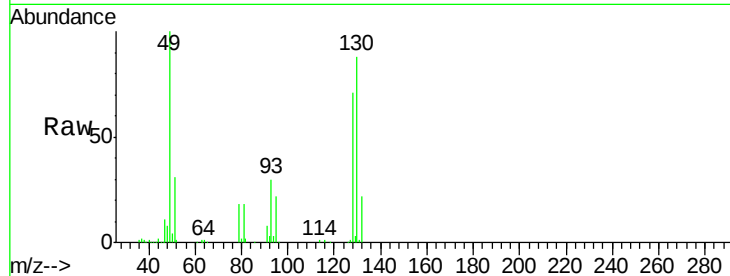


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

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

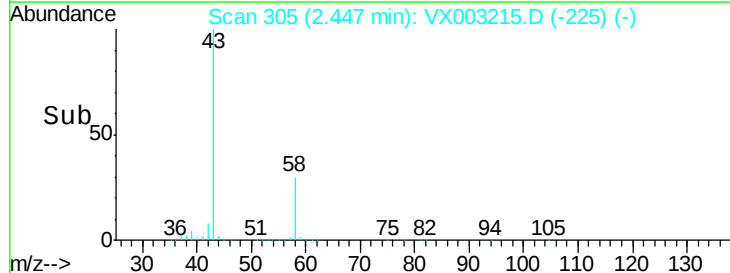
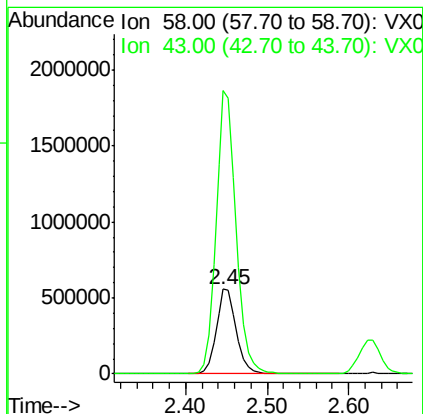
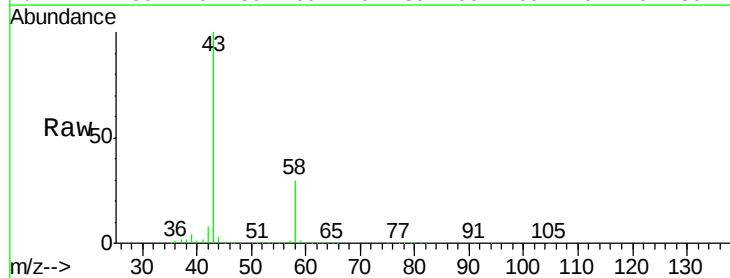
Tot Ion:128 Resp: 50231
 Ion Ratio Lower Upper
 128 100
 49 149.0 0.0 423.0
 130 128.5 0.0 324.3

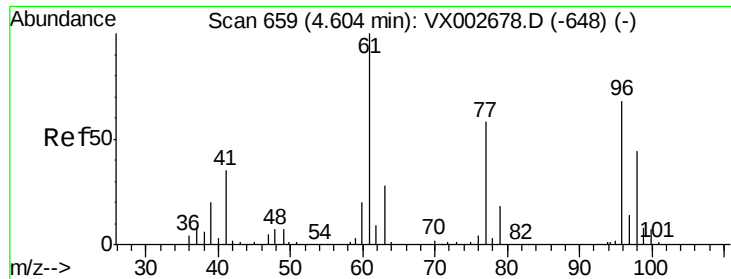


#15

Acetone
 Concen: 2173.283 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

Tgt Ion: 58 Resp: 957454
 Ion Ratio Lower Upper
 58 100
 43 335.1 278.8 418.2



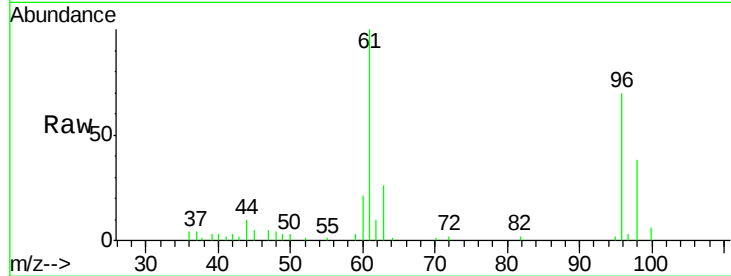


#22

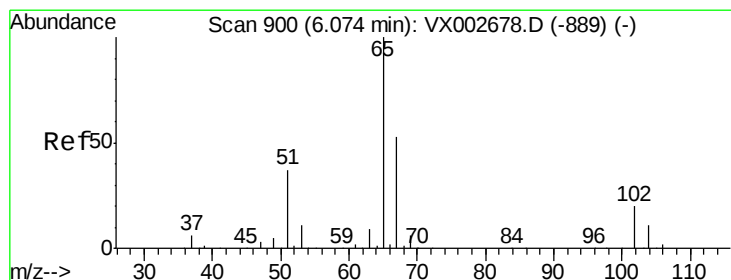
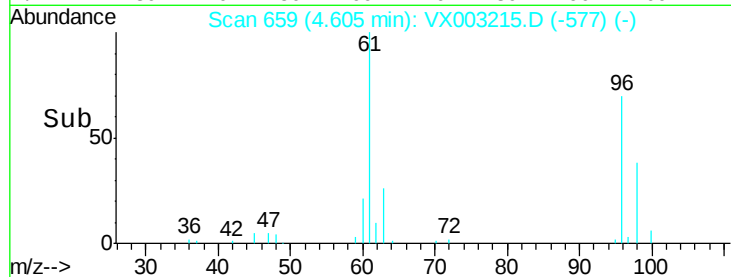
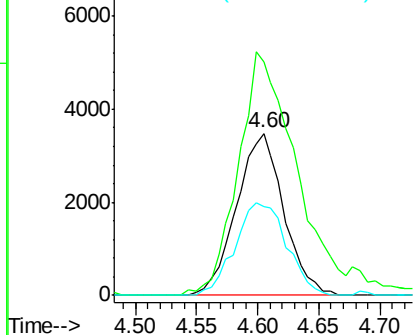
cis-1,2-Dichloroethene
 Concen: 3.125 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

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

Tot Ion: 96 Resp: 9355
 Ion Ratio Lower Upper
 96 100
 61 181.6 160.2 240.2
 98 62.1 54.1 81.1



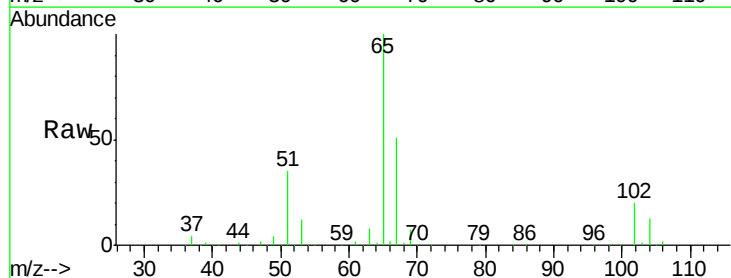
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0



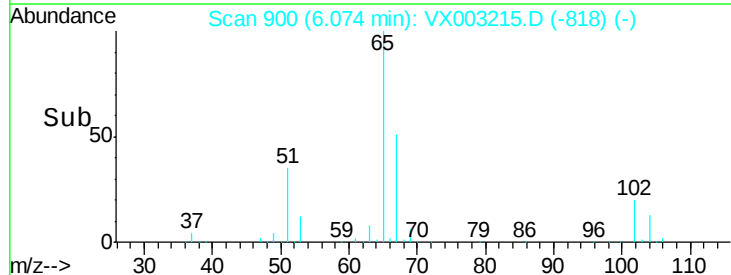
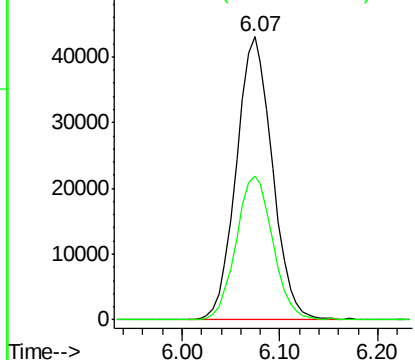
#27

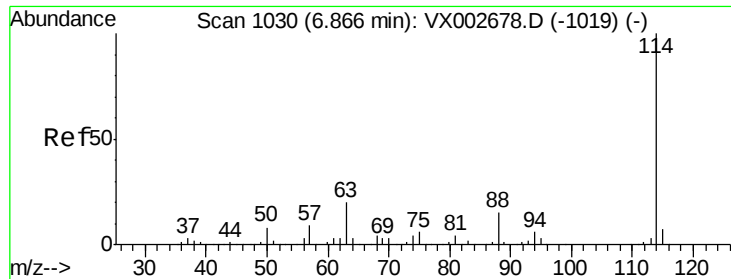
1,2-Dichloroethane-d4
 Concen: 28.639 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

Tgt Ion: 65 Resp: 109855
 Ion Ratio Lower Upper
 65 100
 67 51.6 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0
 Ion 67.00 (66.70 to 67.70): VX0

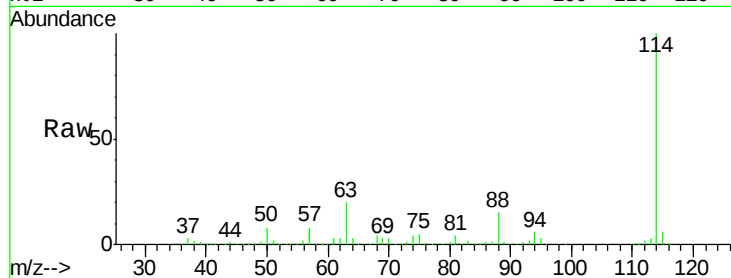




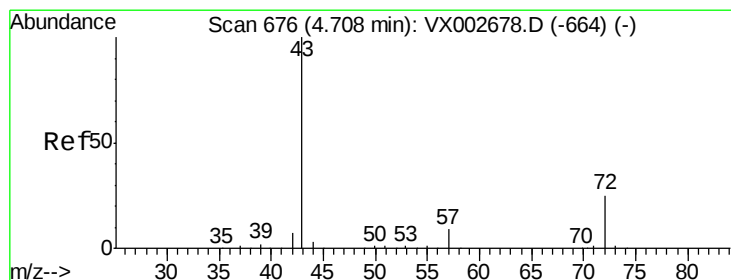
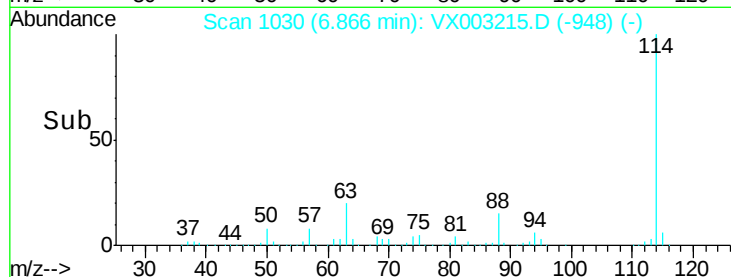
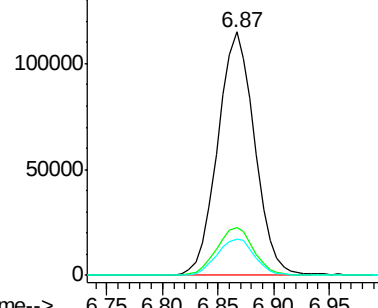
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

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

Tot Ion:114 Resp: 265914
 Ion Ratio Lower Upper
 114 100
 63 19.7 17.1 25.7
 88 15.4 12.6 19.0

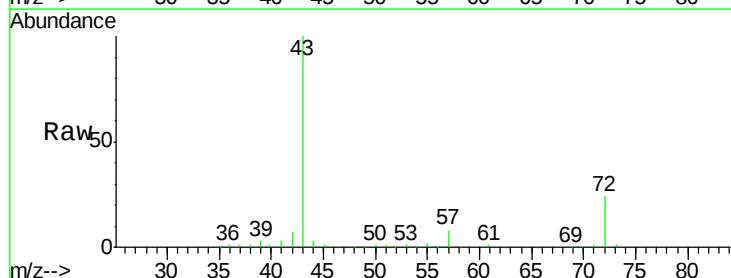


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

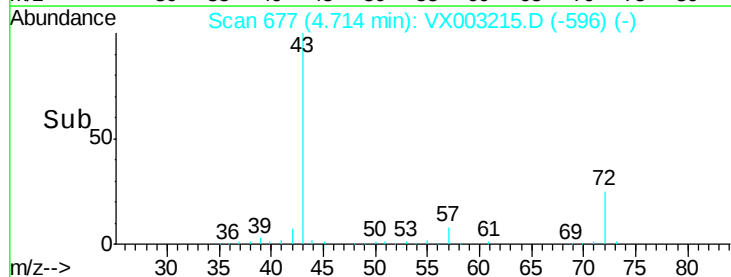
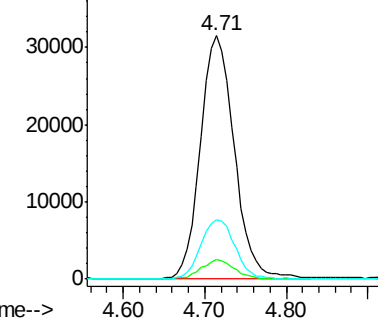


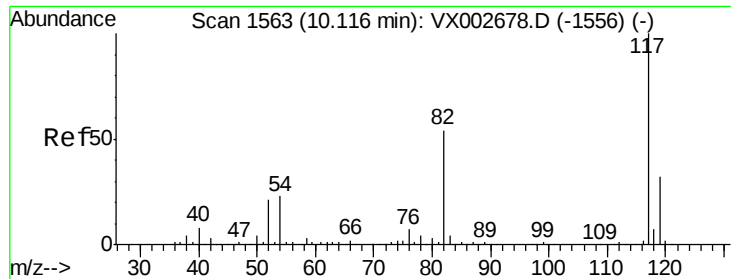
#30
 2-Butanone
 Concen: 44.015 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

Tgt Ion: 43 Resp: 90443
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.1 9.1
 72 24.7 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0

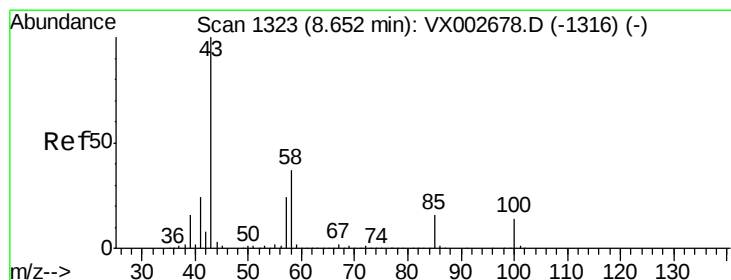
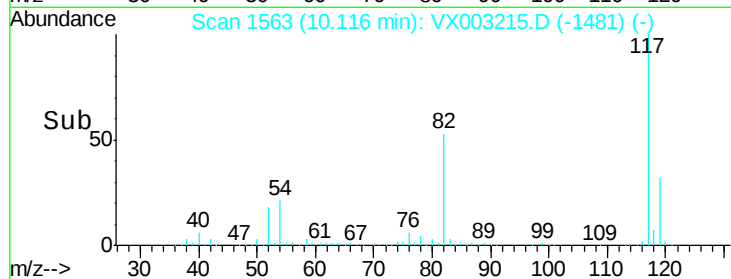
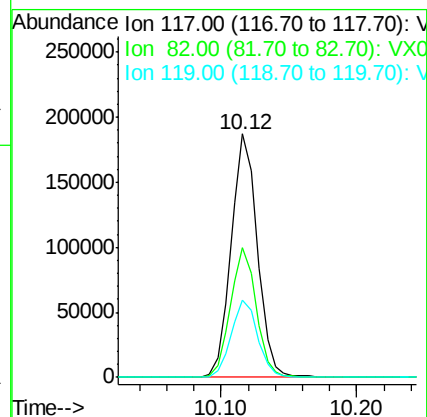
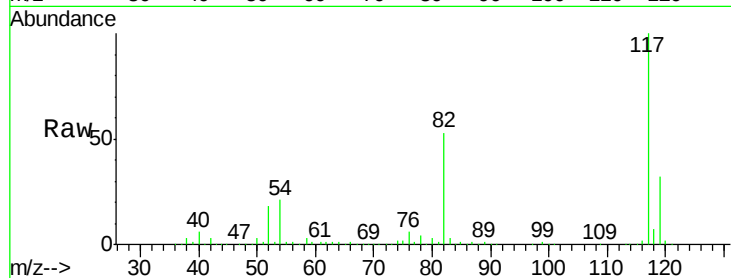




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003215.D
Acq: 06 Jul 2018 14:45

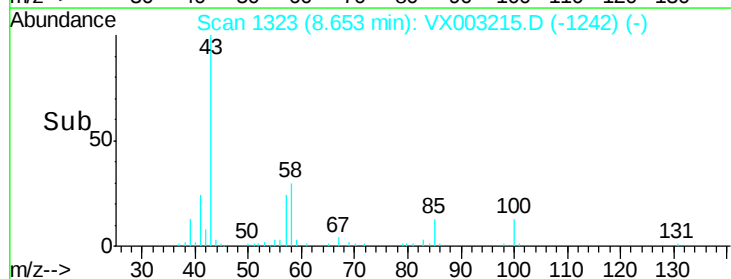
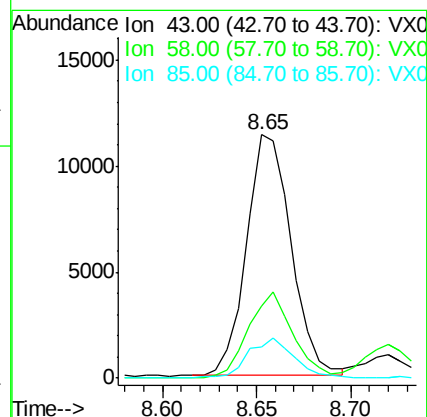
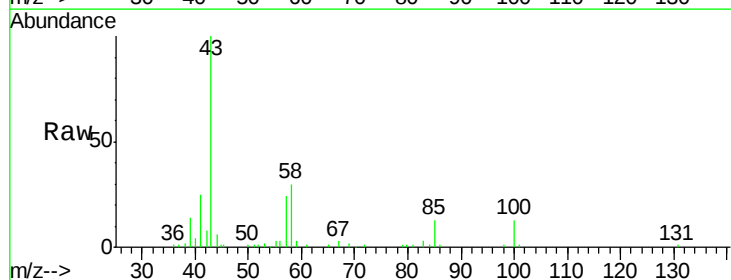
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(JULY)

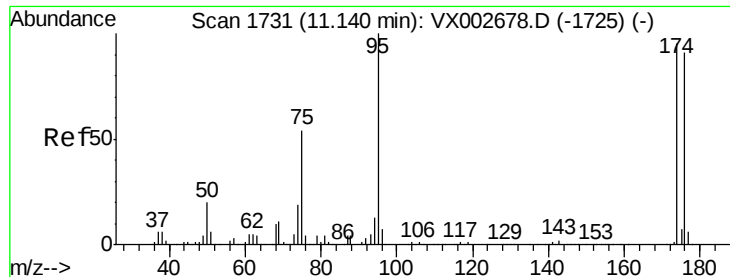
Tot Ion:117 Resp: 250029
Ion Ratio Lower Upper
117 100
82 52.7 44.3 66.5
119 32.2 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 4.401 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003215.D
Acq: 06 Jul 2018 14:45

Tgt Ion: 43 Resp: 18683
Ion Ratio Lower Upper
43 100
58 35.4 28.2 42.4
85 17.0 12.4 18.6

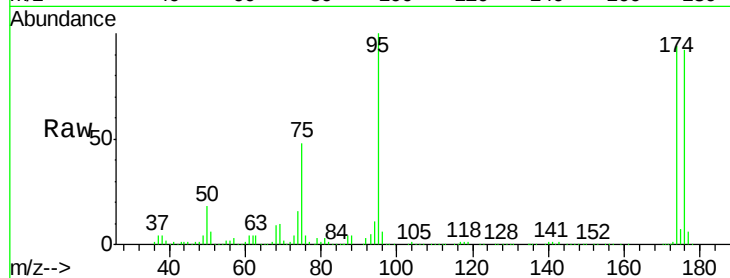




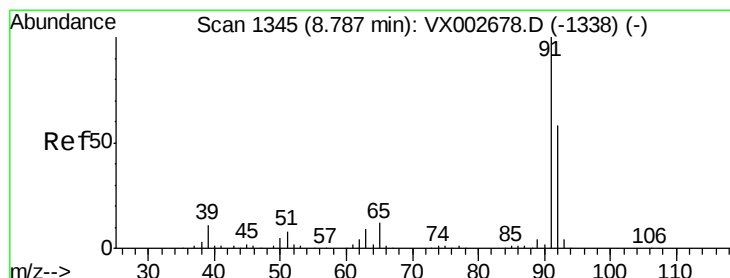
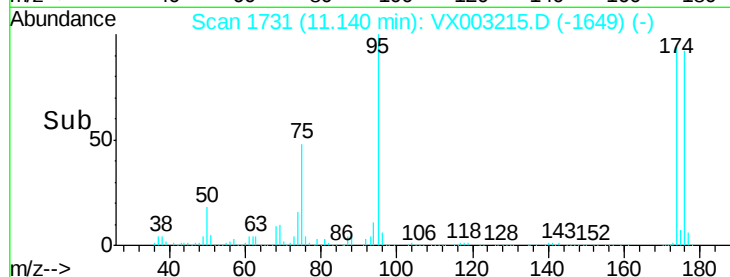
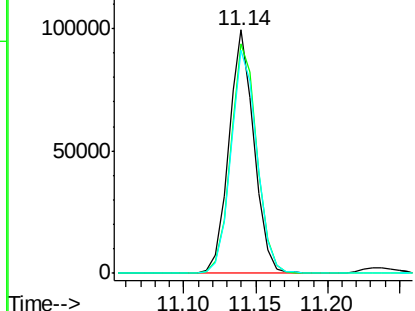
#60
4-Bromofluorobenzene
Concen: 29.541 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003215.D
Acq: 06 Jul 2018 14:45

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

Tot Ion: 95 Resp: 121990
Ion Ratio Lower Upper
95 100
174 97.6 71.8 107.6
176 94.6 70.1 105.1

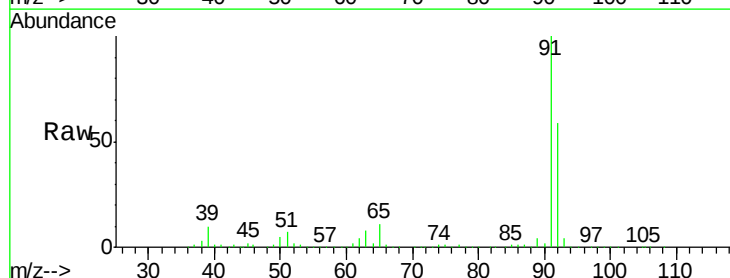


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

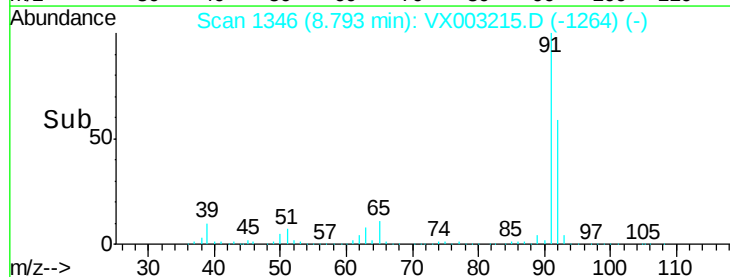
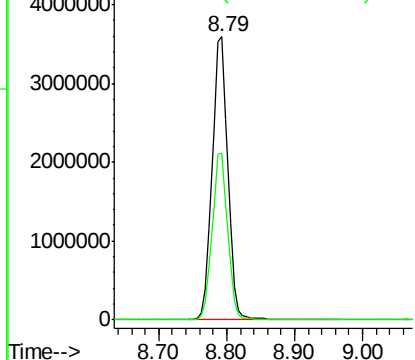


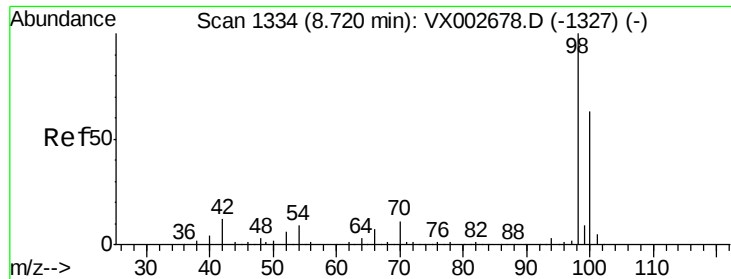
#62
Toluene
Concen: 476.609 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX003215.D
Acq: 06 Jul 2018 14:45

Tgt Ion: 91 Resp: 5744048
Ion Ratio Lower Upper
91 100
92 58.7 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0

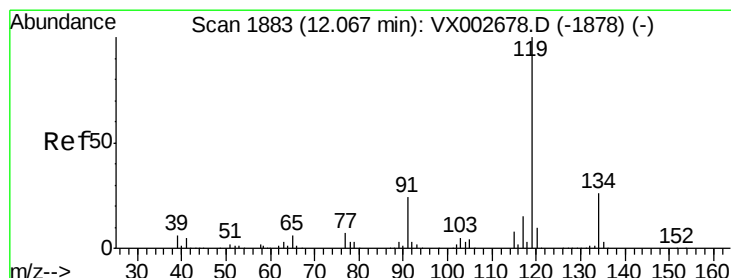
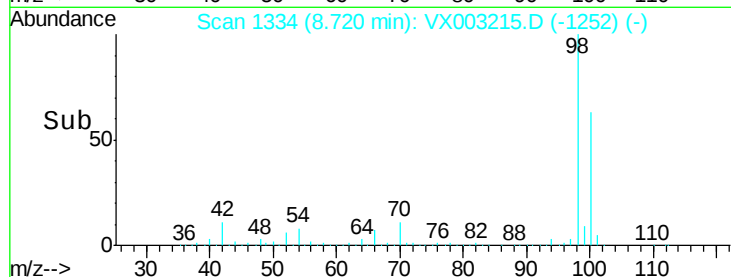
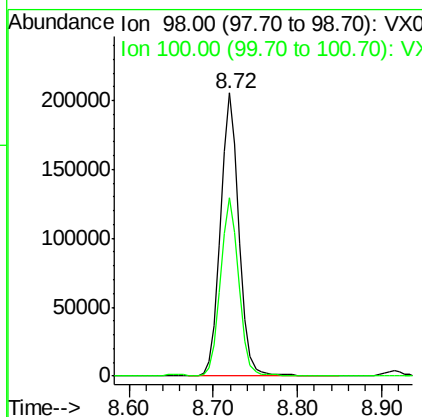
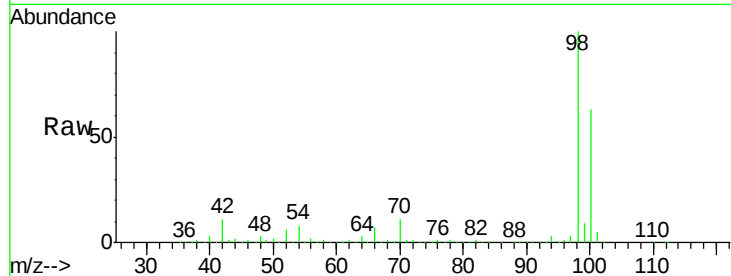




#63
Toluene-d8
Concen: 28.569 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003215.D
Acq: 06 Jul 2018 14:45

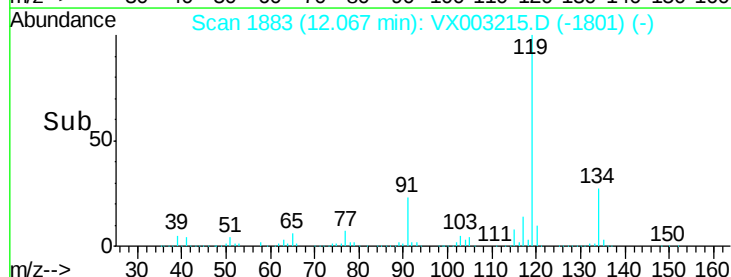
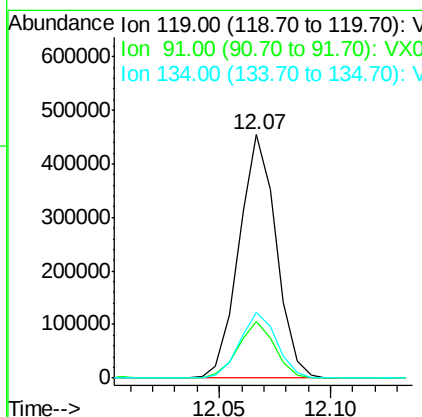
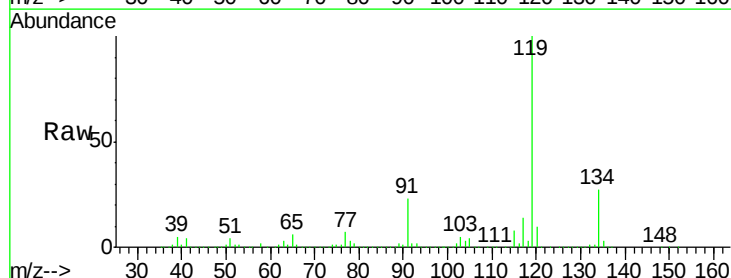
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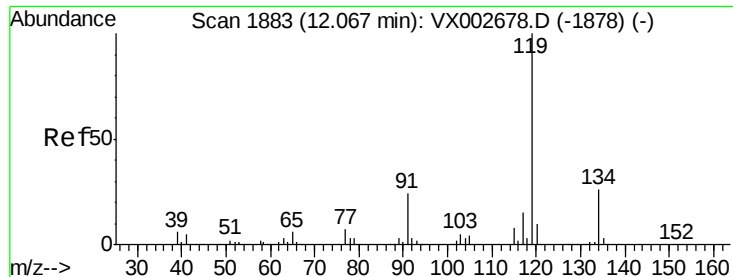
Tot Ion: 98 Resp: 312027
Ion Ratio Lower Upper
98 100
100 62.2 50.8 76.2



#79
tert-butylbenzene
Concen: 39.723 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003215.D
Acq: 06 Jul 2018 14:45

Tgt Ion: 119 Resp: 527147
Ion Ratio Lower Upper
119 100
91 23.0 0.0 48.0
134 27.1 0.0 52.6





#82
 p-Isopropyltoluene
 Concen: 39.723 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003215.D
 Acq: 06 Jul 2018 14:45

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

Tot Ion:	119	Resp:	527147
Ion Ratio	Lower	Upper	
119	100		
134	27.1	0.0	52.6
91	23.0	0.0	48.0

