

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003216.D
 Acq On : 06 Jul 2018 15:12
 Operator : JC/MD
 Sample : J3894-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(JULY)

Quant Time: Jul 09 09:35:26 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	5.02	128	51286	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	278543	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	255370	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	115455	29.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.27%
60) 4-Bromofluorobenzene	11.14	95	123243	29.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.40%
63) Toluene-d8	8.72	98	321704	28.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.13%

Target Compounds

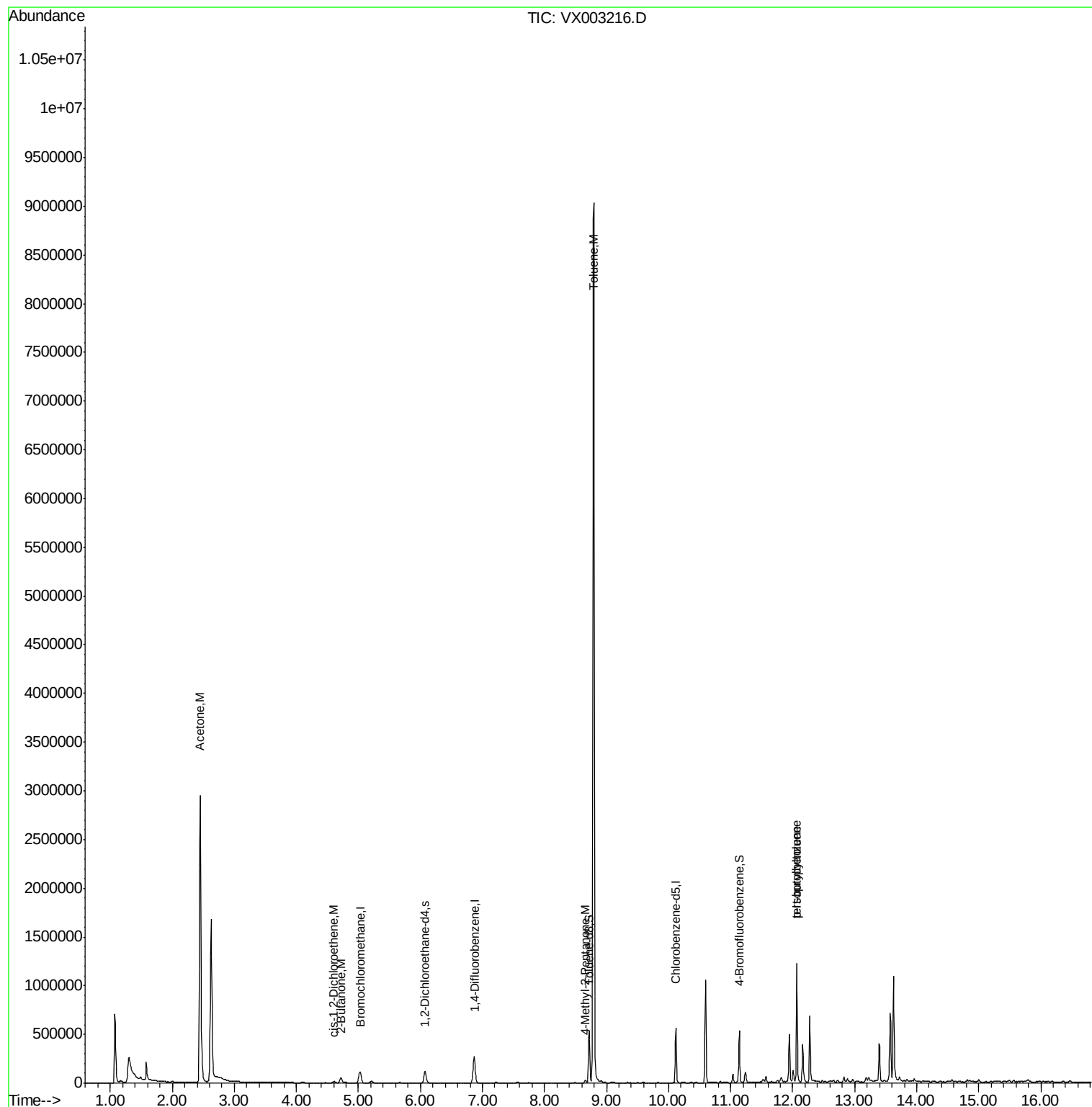
					Ovalue	
15) Acetone	2.45	58	971821	2160.516	ug/l	94
22) cis-1,2-Dichloroethene	4.60	96	9392	3.073	ug/l #	84
30) 2-Butanone	4.71	43	92549	42.998	ug/l	96
58) 4-Methyl-2-Pentanone	8.65	43	18793	4.334	ug/l	96
62) Toluene	8.79	91	5833425	473.902	ug/l	99
79) tert-butylbenzene	12.07	119	525396	38.763	ug/l	98
82) p-Isopropyltoluene	12.07	119	525396	38.763	ug/l	98

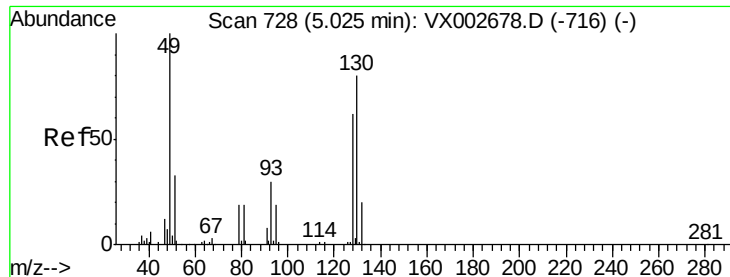
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002M-35TH-AVE(JULY)

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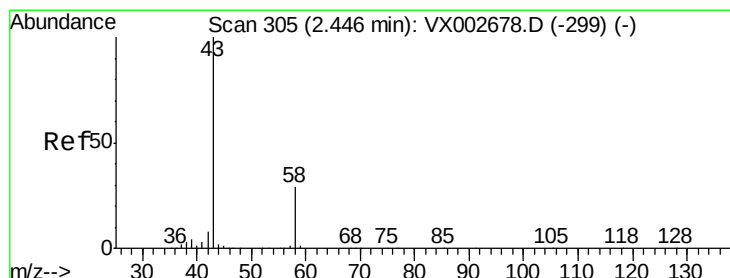
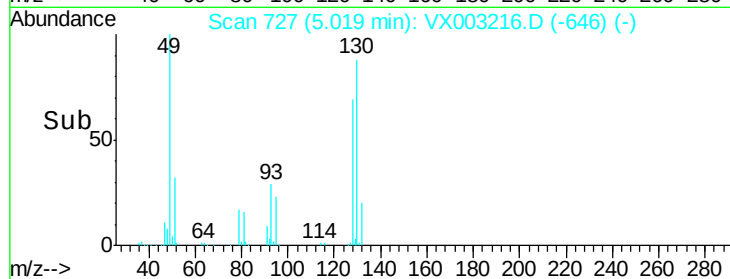
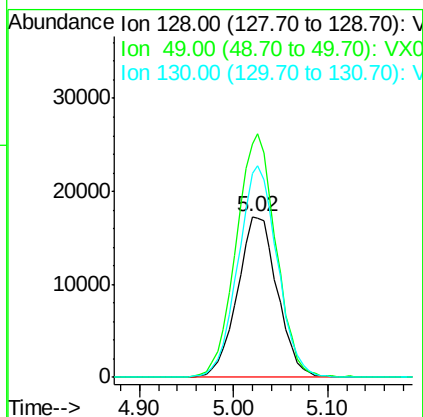
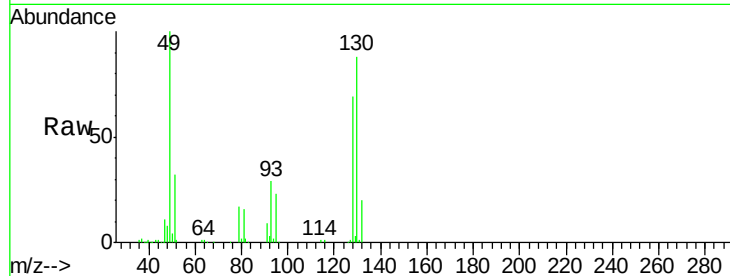




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003216.D
Acq: 06 Jul 2018 15:12

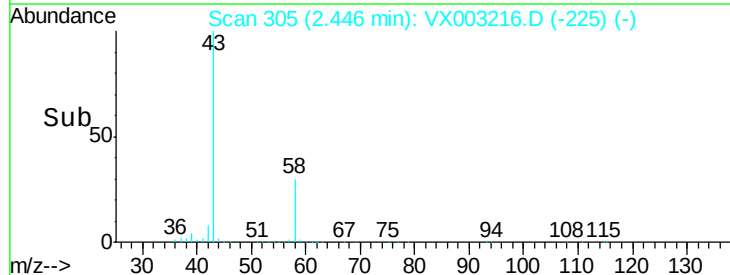
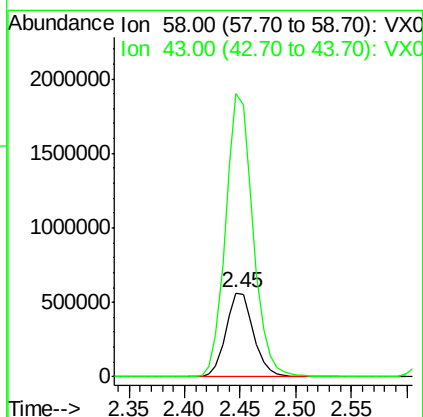
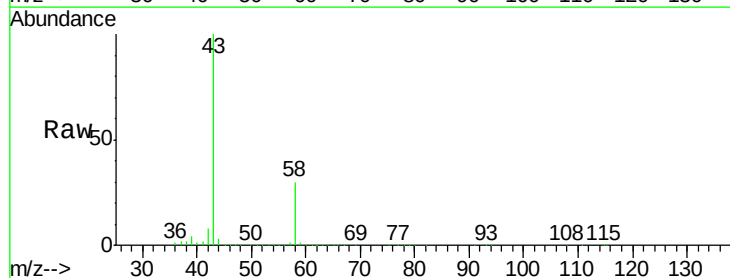
Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(JULY)

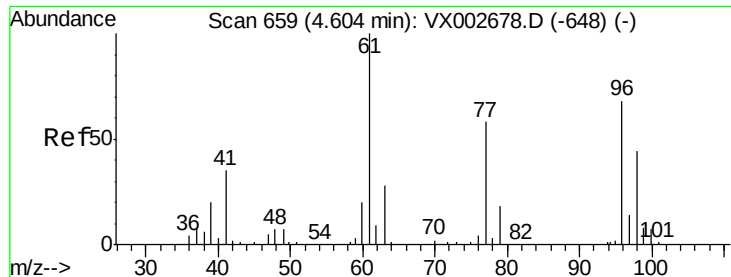
Tot Ion:128 Resp: 51286
Ion Ratio Lower Upper
128 100
49 150.1 0.0 423.0
130 129.5 0.0 324.3



#15
Acetone
Concen: 2160.516 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX003216.D
Acq: 06 Jul 2018 15:12

Tgt Ion: 58 Resp: 971821
Ion Ratio Lower Upper
58 100
43 336.0 278.8 418.2





#22

cis-1,2-Dichloroethene

Concen: 3.073 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX003216.D

Acq: 06 Jul 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(JULY)

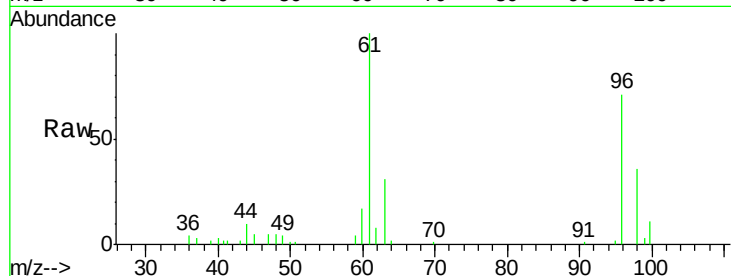
Tot Ion: 96 Resp: 9392

Ion Ratio Lower Upper

96 100

61 191.9 160.2 240.2

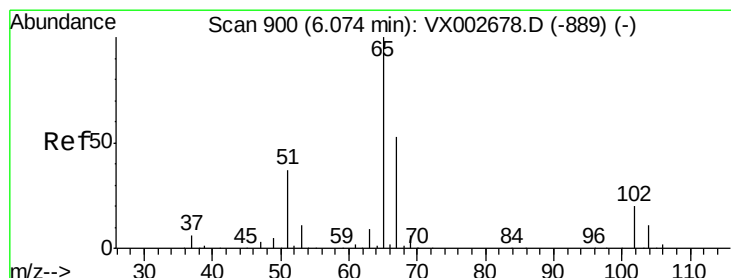
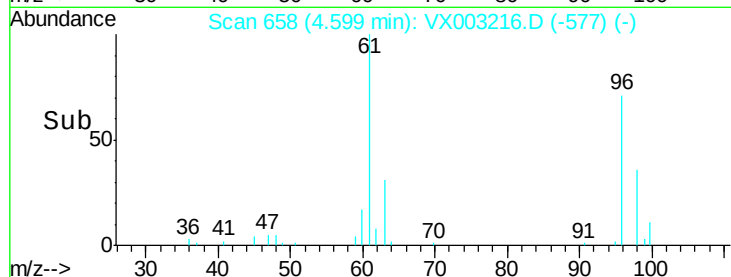
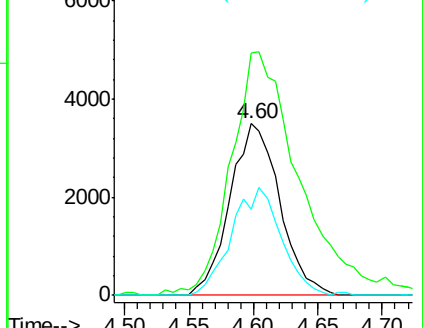
98 30.2 54.1 81.1#



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: 29.480 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003216.D

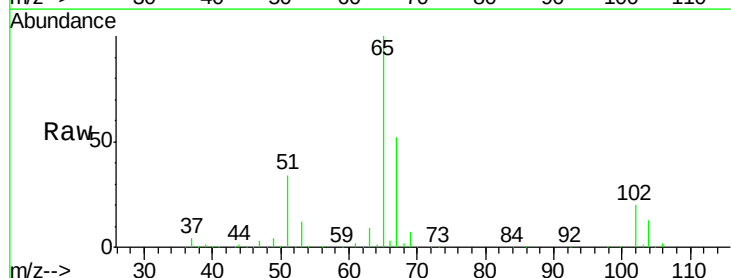
Acq: 06 Jul 2018 15:12

Tgt Ion: 65 Resp: 115455

Ion Ratio Lower Upper

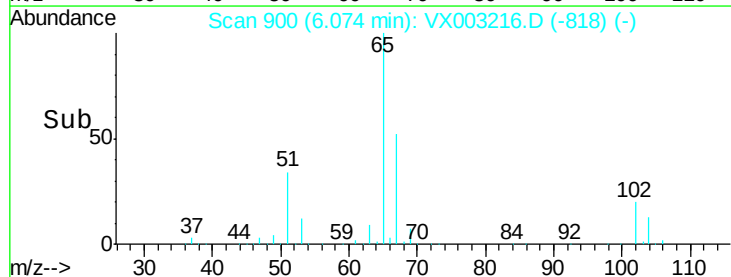
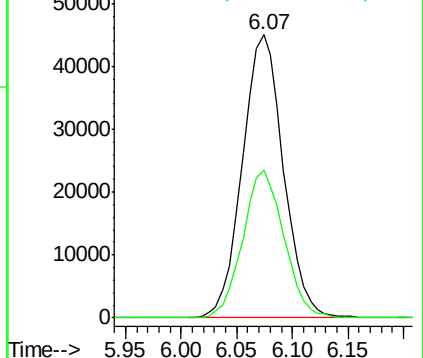
65 100

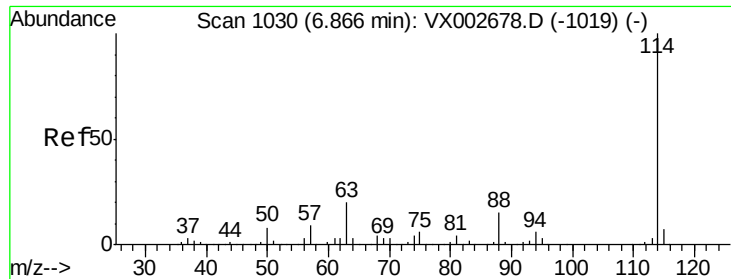
67 52.5 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

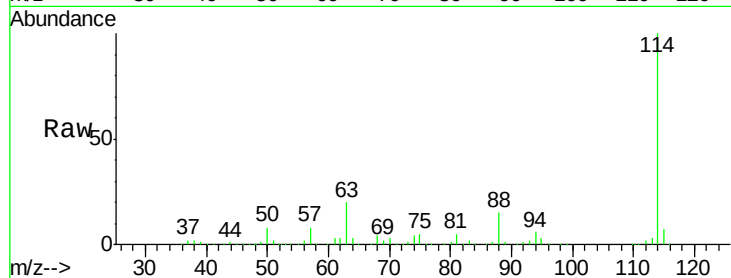




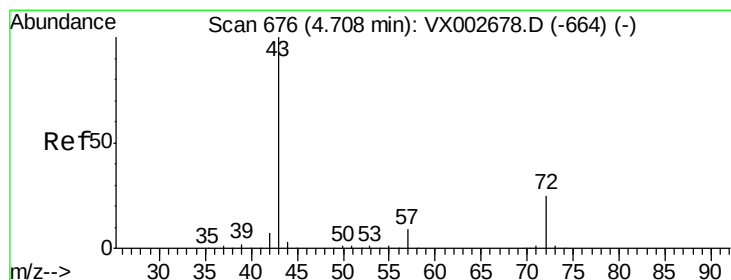
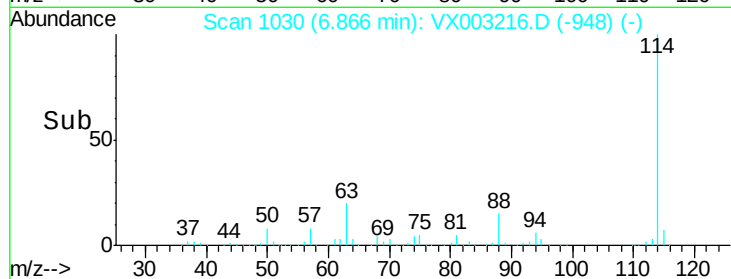
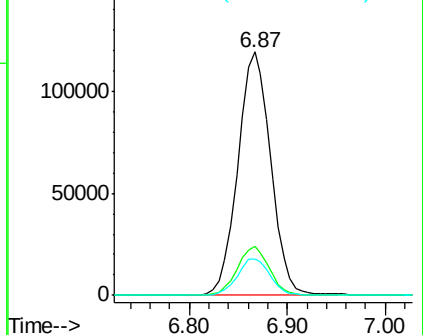
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003216.D
 Acq: 06 Jul 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(JULY)

Tot Ion:114 Resp: 278543
 Ion Ratio Lower Upper
 114 100
 63 19.6 17.1 25.7
 88 14.9 12.6 19.0

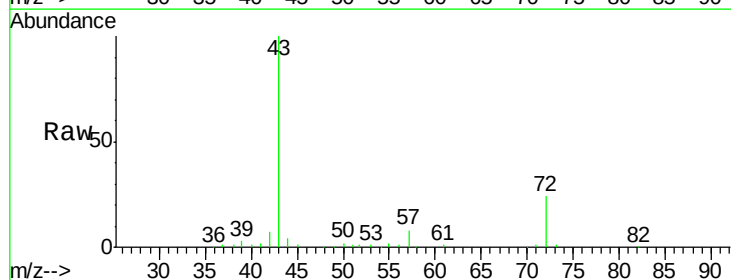


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

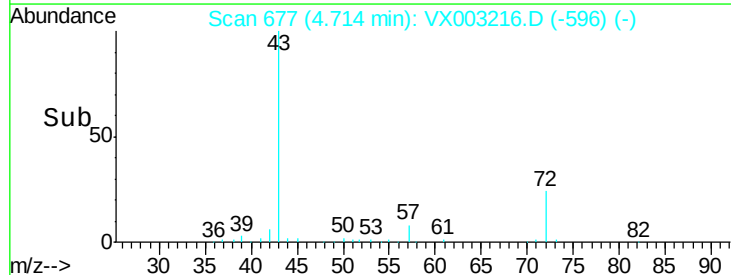
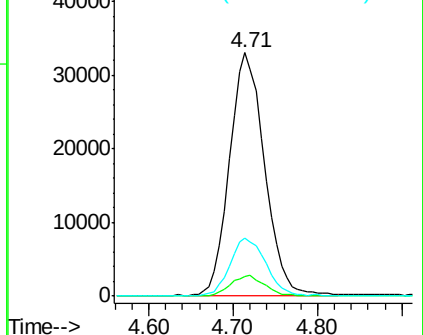


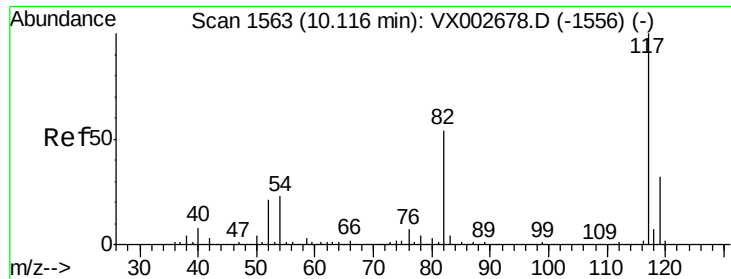
#30
 2-Butanone
 Concen: 42.998 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX003216.D
 Acq: 06 Jul 2018 15:12

Tgt Ion: 43 Resp: 92549
 Ion Ratio Lower Upper
 43 100
 57 8.3 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

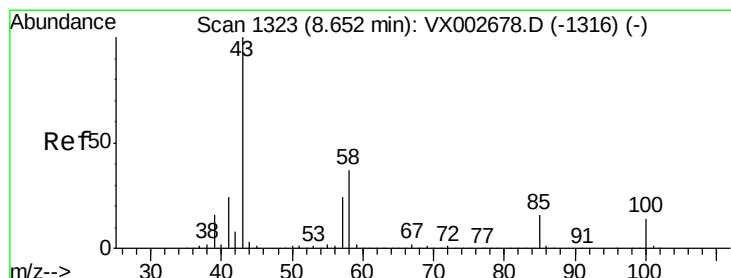
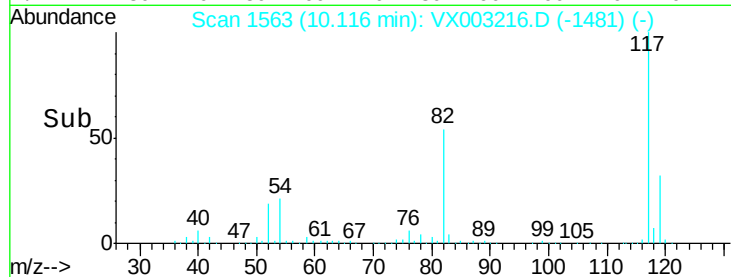
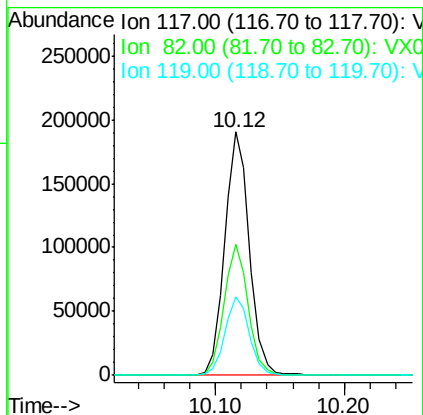
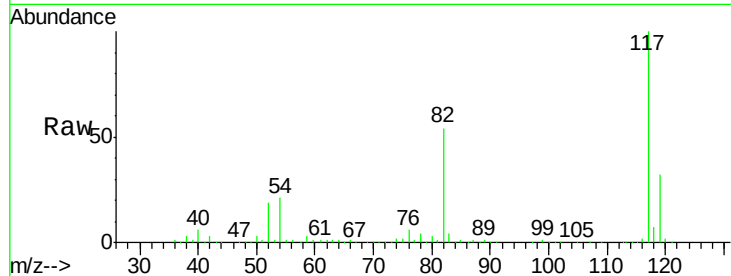




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003216.D
Acq: 06 Jul 2018 15:12

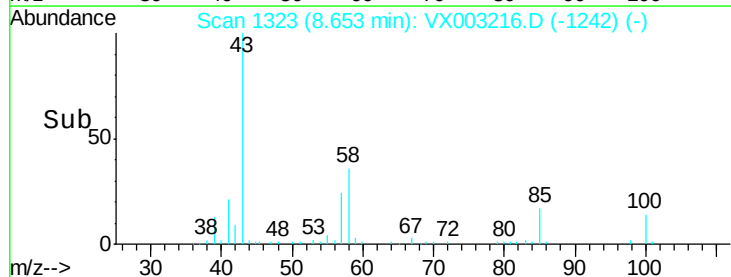
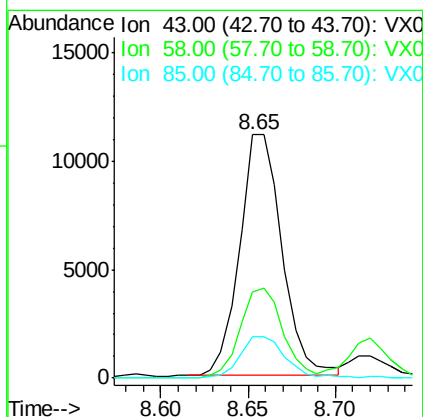
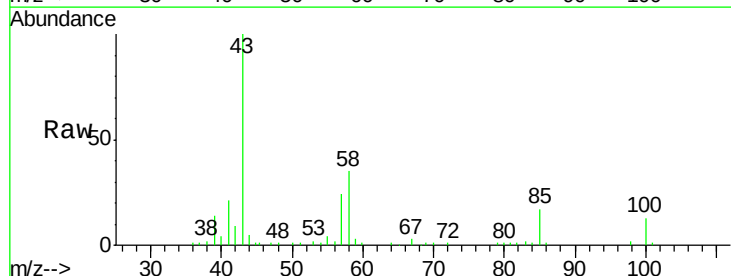
Instrument :
MSVOA_X
ClientSampleId :
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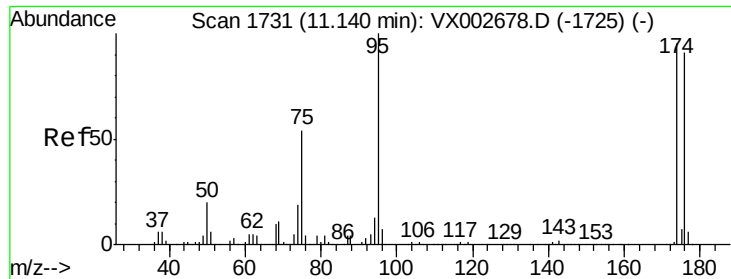
Tot Ion:117 Resp: 255370
Ion Ratio Lower Upper
117 100
82 52.8 44.3 66.5
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 4.334 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003216.D
Acq: 06 Jul 2018 15:12

Tgt Ion: 43 Resp: 18793
Ion Ratio Lower Upper
43 100
58 37.4 28.2 42.4
85 18.0 12.4 18.6

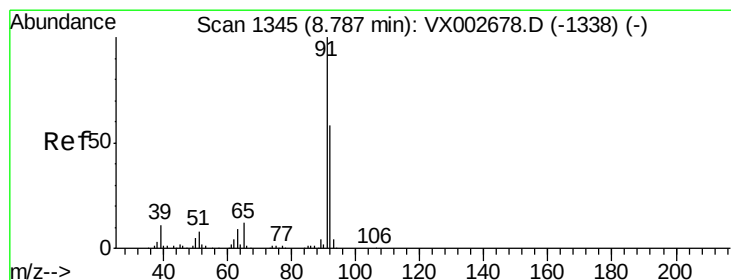
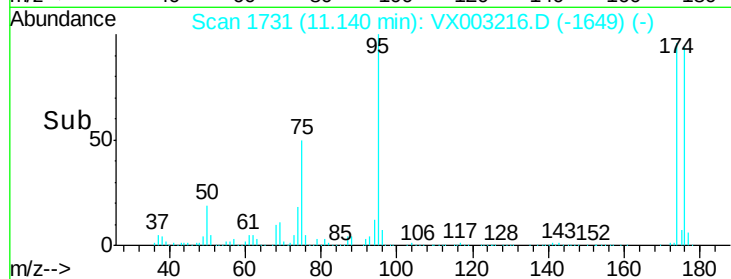
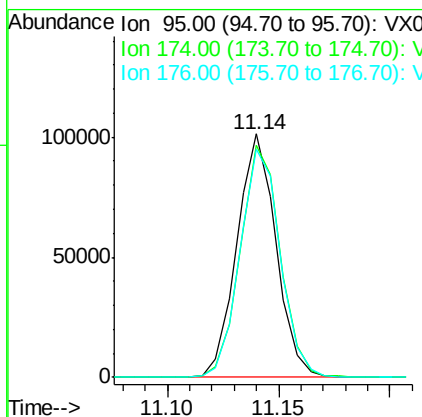
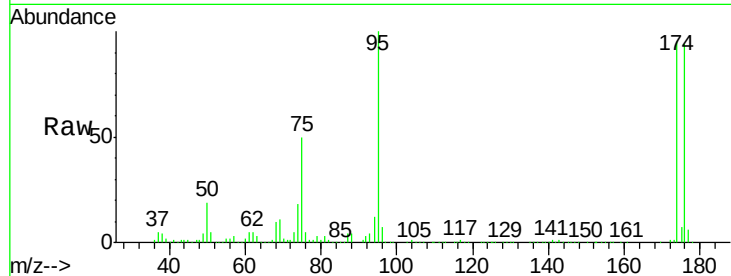




#60
 4-Bromofluorobenzene
 Concen: 29.220 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003216.D
 Acq: 06 Jul 2018 15:12

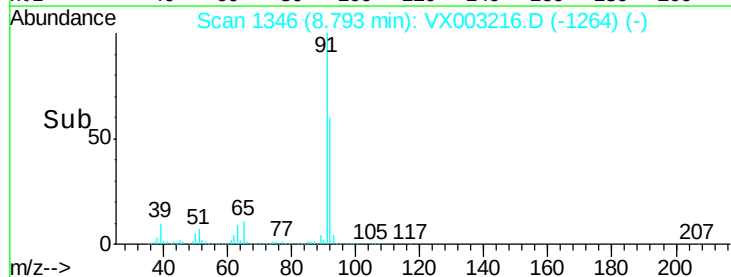
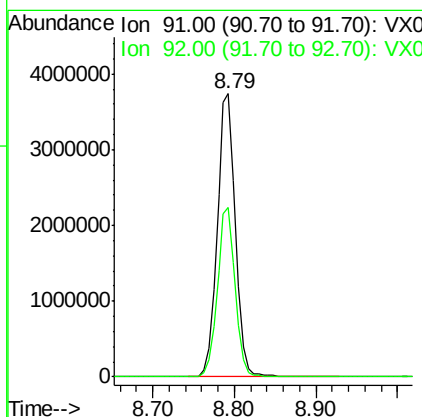
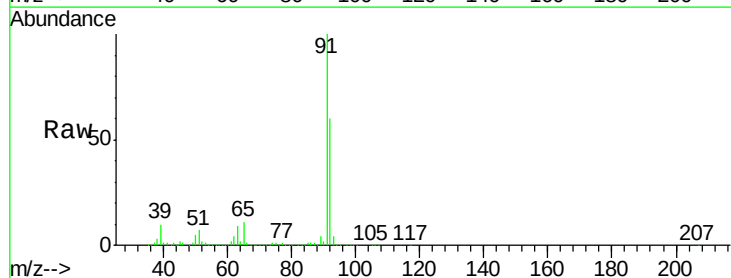
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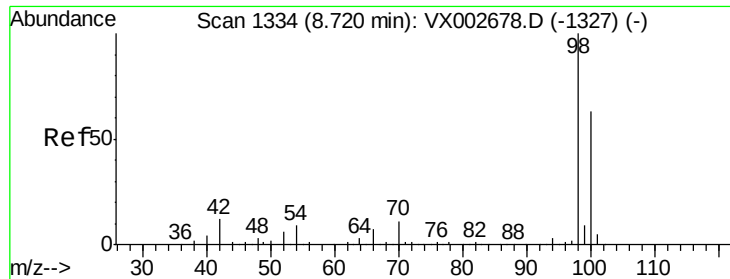
Tot Ion	95	Resp	123243
Ion Ratio	Lower	Upper	
95	100		
174	98.4	71.8	107.6
176	97.2	70.1	105.1



#62
 Toluene
 Concen: 473.902 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX003216.D
 Acq: 06 Jul 2018 15:12

Tgt Ion	91	Resp	5833425
Ion Ratio	Lower	Upper	
91	100		
92	58.7	46.5	69.7

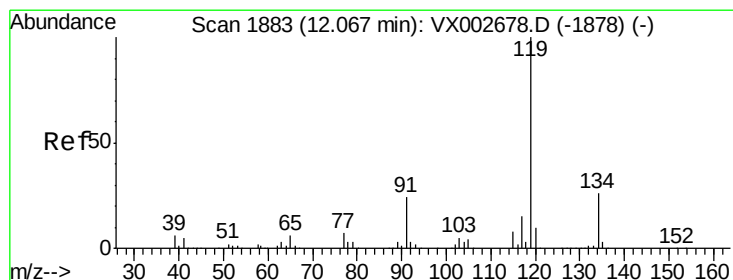
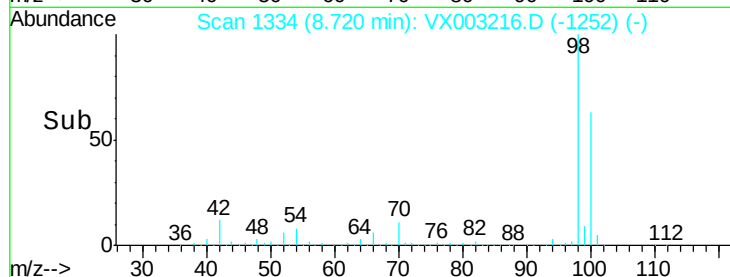
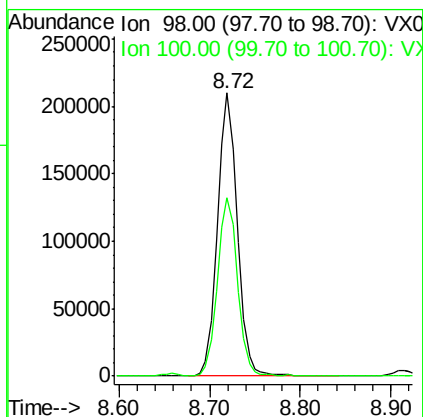
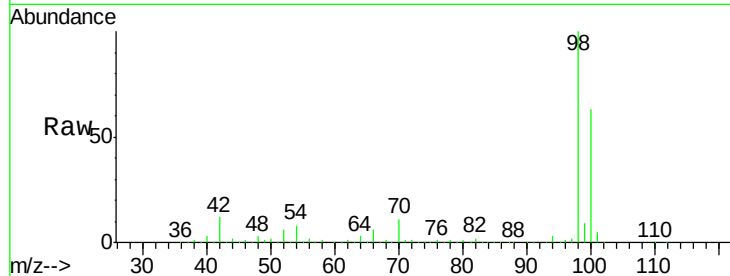




#63
Toluene-d8
Concen: 28.839 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003216.D
Acq: 06 Jul 2018 15:12

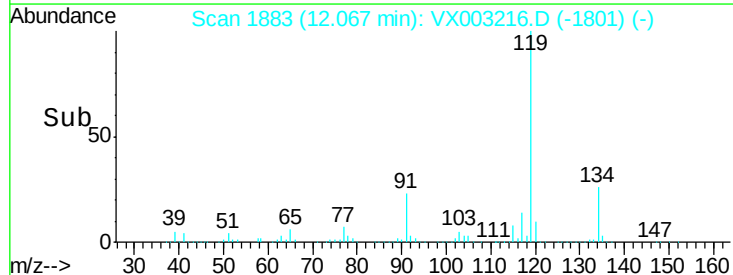
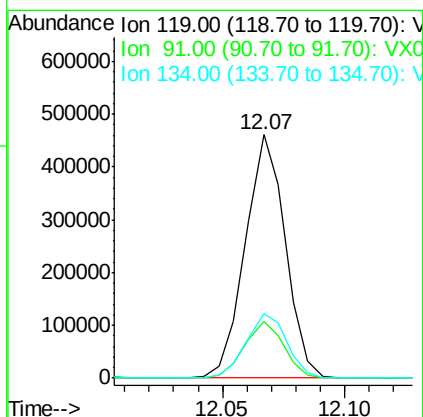
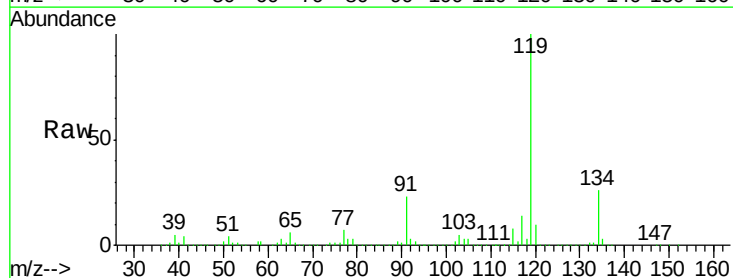
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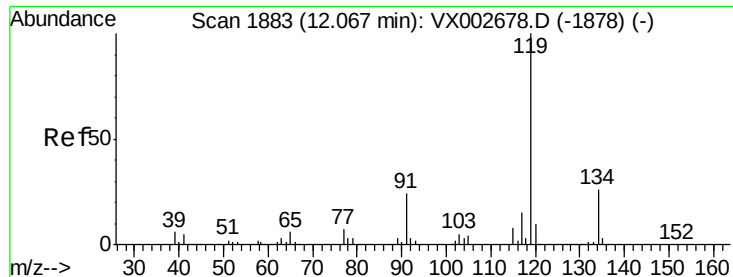
Tot Ion: 98 Resp: 321704
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2



#79
tert-butylbenzene
Concen: 38.763 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003216.D
Acq: 06 Jul 2018 15:12

Tgt Ion: 119 Resp: 525396
Ion Ratio Lower Upper
119 100
91 23.1 0.0 48.0
134 27.1 0.0 52.6





#82
 p-Isopropyltoluene
 Concen: 38.763 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003216.D
 Acq: 06 Jul 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(JULY)

Tot Ion:	119	Resp:	525396
Ion Ratio	Lower	Upper	
119	100		
134	27.1	0.0	52.6
91	23.1	0.0	48.0

