

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX060818\
 Data File : VX002415.D
 Acq On : 08 Jun 2018 21:10
 Operator : JC/MD
 Sample : J3417-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jun 09 05:04:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	38557	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	223988	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	206297	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	96398	31.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.90%
60) 4-Bromofluorobenzene	11.14	95	101950	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	8.72	98	262254	28.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.07%

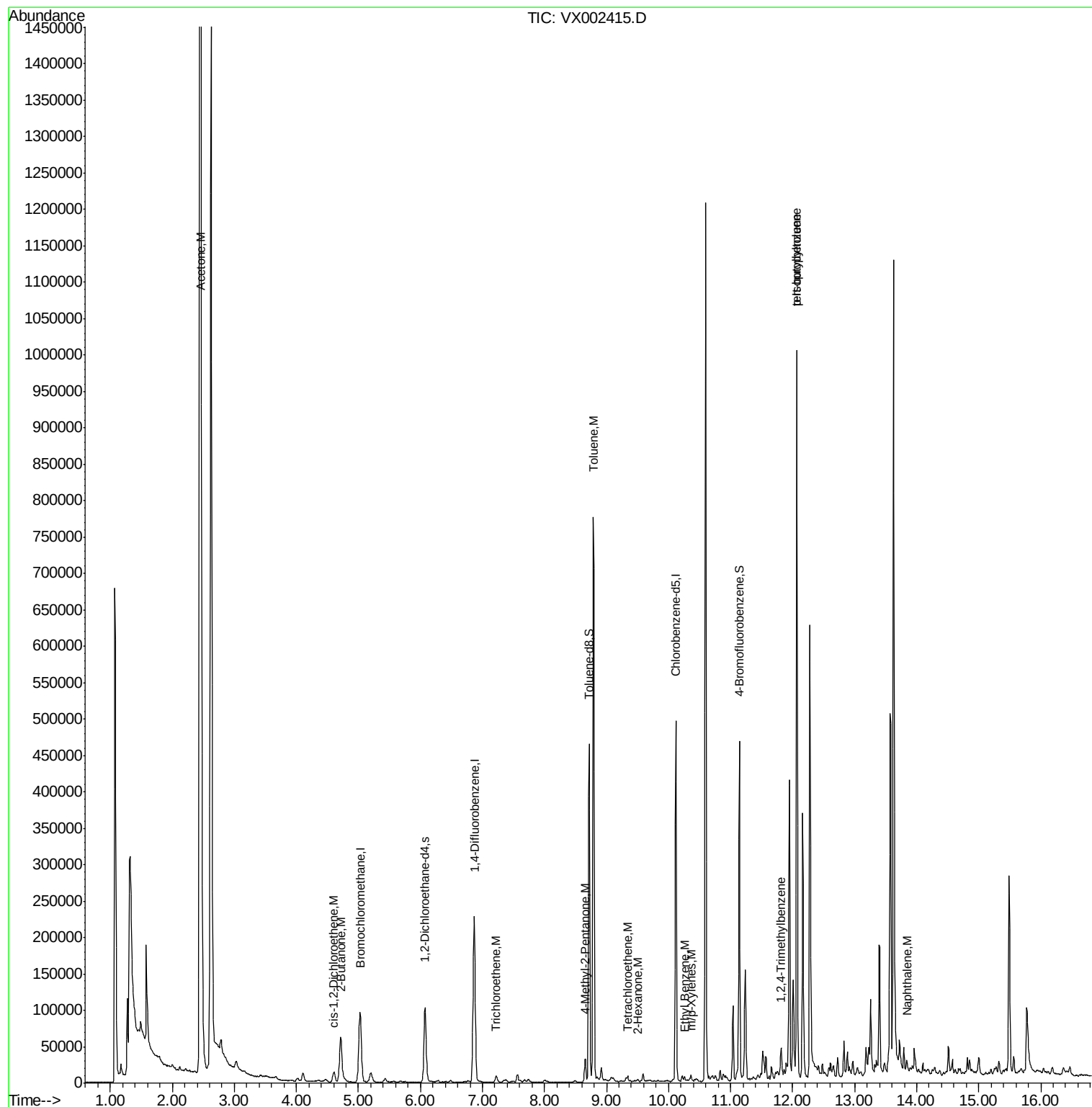
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	2.45	58	1550149	4545.55	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	8092	3.35	ug/l	85
30) 2-Butanone	4.71	43	111906	51.19	ug/l	99
37) Trichloroethene	7.22	130	2846	1.06	ug/l	89
58) 4-Methyl-2-Pentanone	8.65	43	18600	4.14	ug/l	96
59) 2-Hexanone	9.51	43	1759	0.50	ug/l #	84
61) Tetrachloroethene	9.34	164	1483	0.47	ug/l	95
62) Toluene	8.79	91	478835	45.45	ug/l	98
66) Ethyl Benzene	10.26	91	3158	0.27	ug/l	98
67) m/p-Xylenes	10.37	106	1838	0.41	ug/l	95
79) tert-butylbenzene	12.07	119	426446	39.69	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	9047	0.87	ug/l	72
82) p-Isopropyltoluene	12.07	119	426446	39.69	ug/l	99
91) Naphthalene	13.84	128	6901	0.52	ug/l #	93

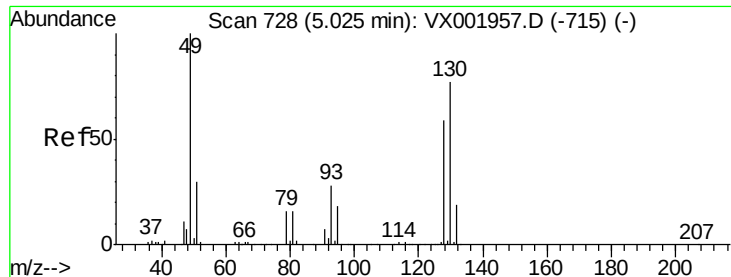
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002415.D

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Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(JUNE)

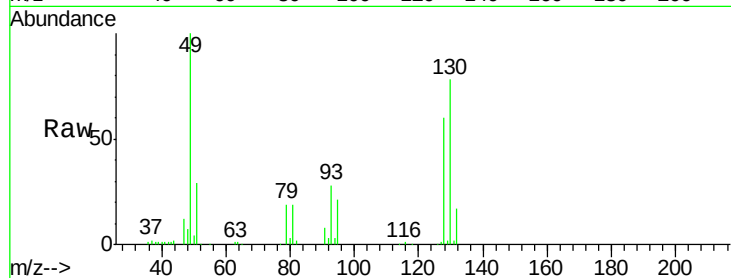
Tgt Ion:128 Resp: 38557

Ion Ratio Lower Upper

128 100

49 166.8 0.0 423.0

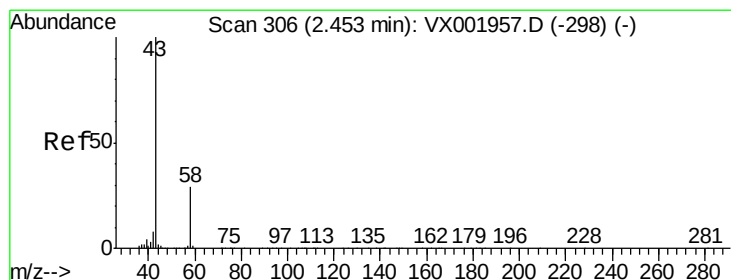
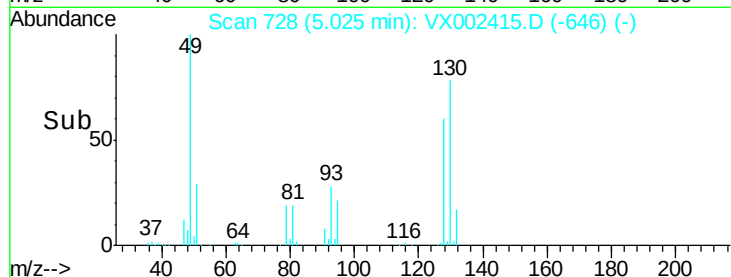
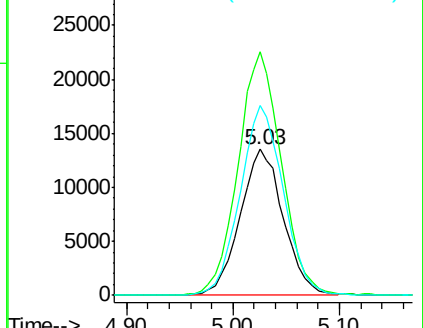
130 129.8 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 4545.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002415.D

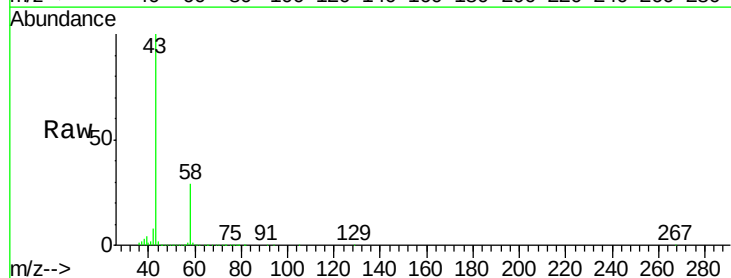
Acq: 08 Jun 2018 21:10

Tgt Ion: 58 Resp: 1550149

Ion Ratio Lower Upper

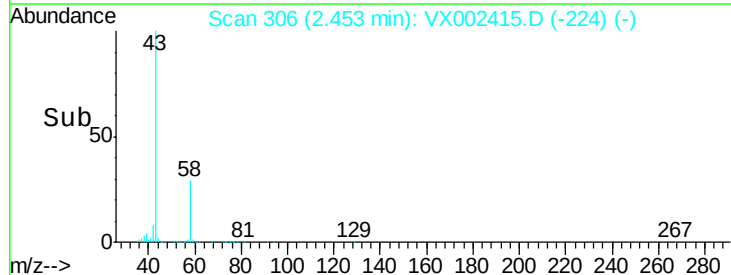
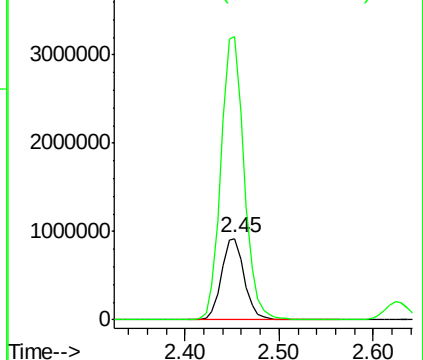
58 100

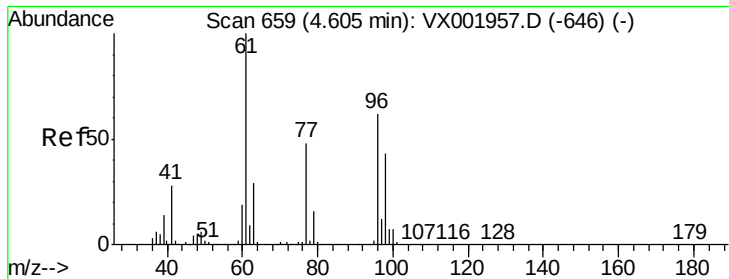
43 347.1 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#22

cis-1,2-Dichloroethene

Concen: 3.35 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002415.D

Acq: 08 Jun 2018 21:10

Instrument :

MSVOA_X

ClientSampleId :

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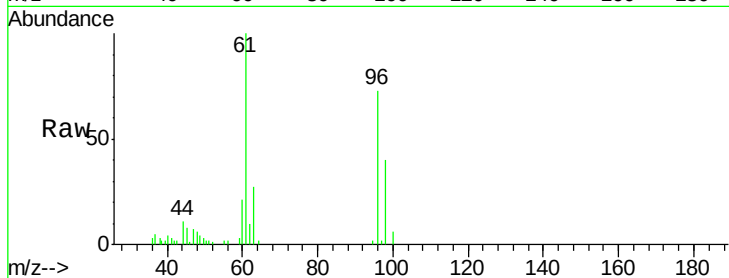
Tgt Ion: 96 Resp: 8092

Ion Ratio Lower Upper

96 100

61 173.6 160.2 240.2

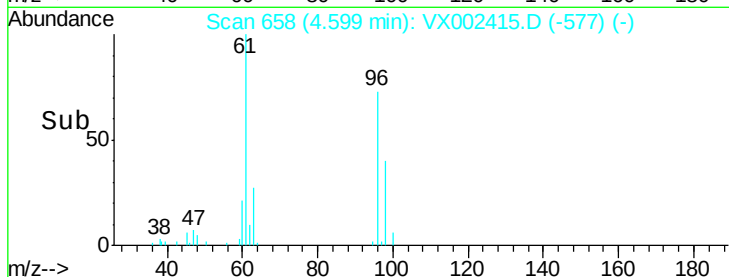
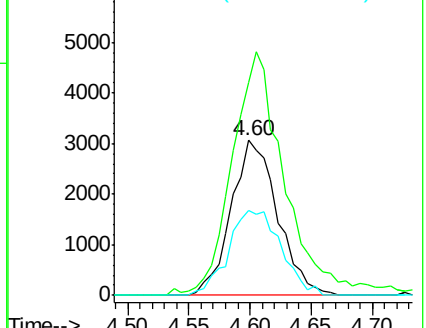
98 61.8 54.1 81.1



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: 31.77 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002415.D

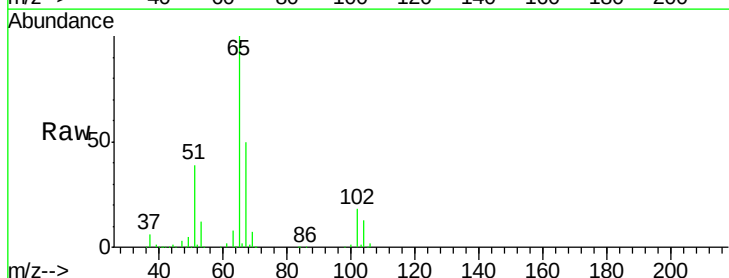
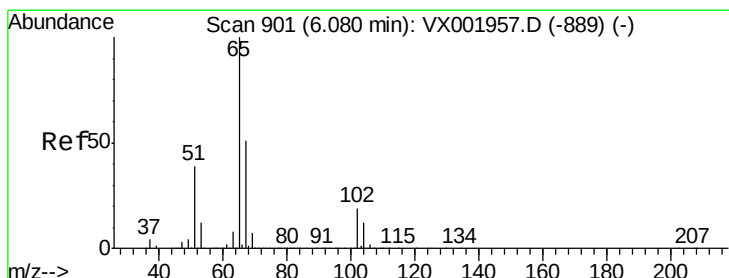
Acq: 08 Jun 2018 21:10

Tgt Ion: 65 Resp: 96398

Ion Ratio Lower Upper

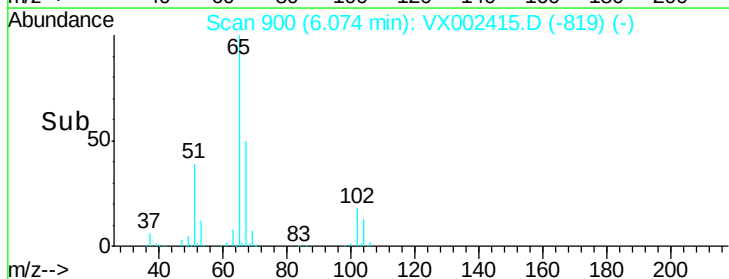
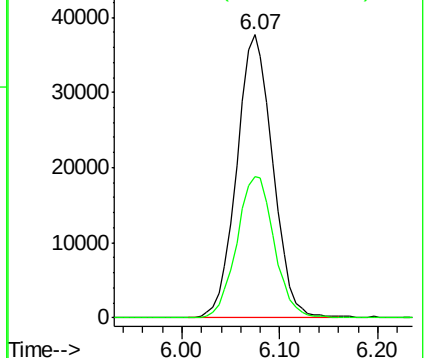
65 100

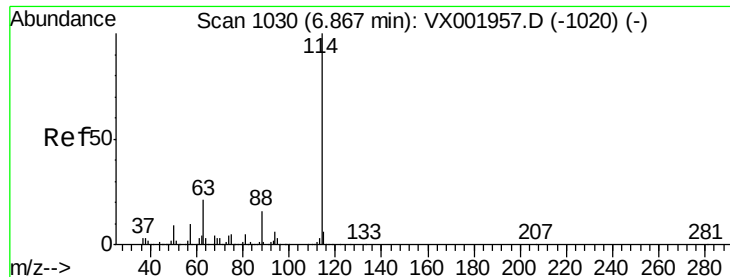
67 51.9 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

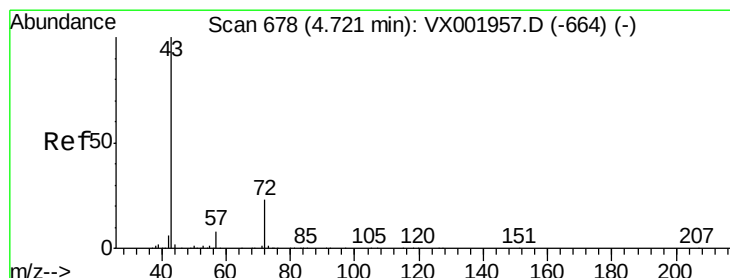
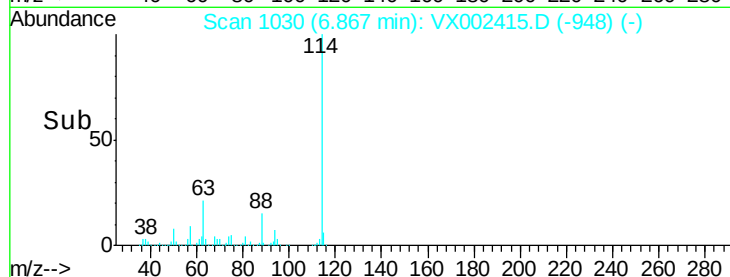
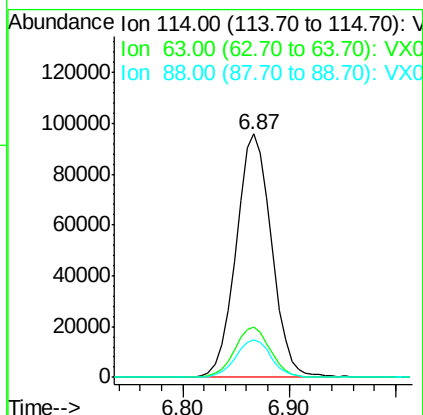
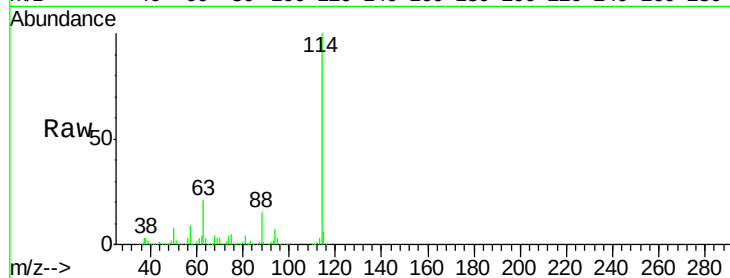




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002415.D
 Acq: 08 Jun 2018 21:10

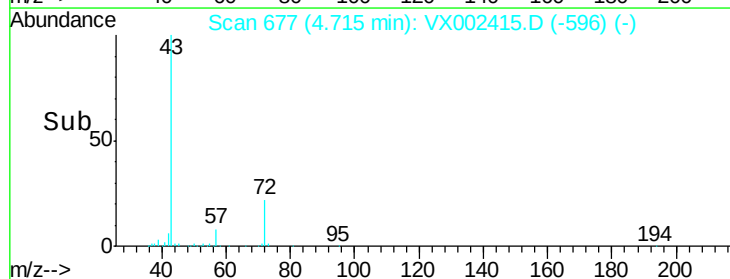
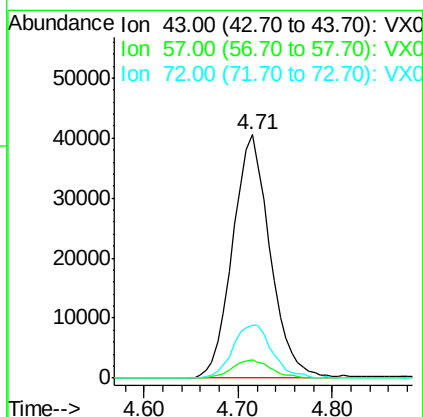
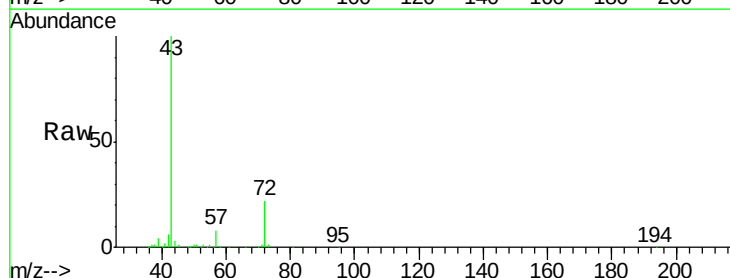
Instrument :
 MSVOA_X
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 002M-35TH-AVE(JUNE)

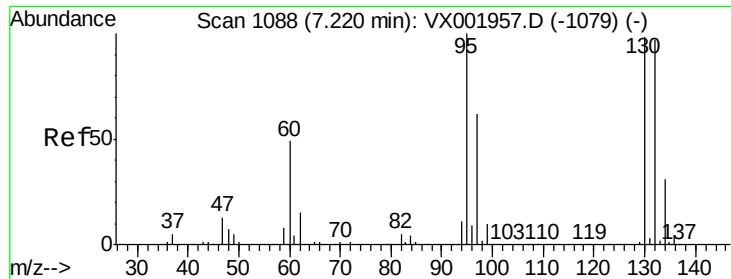
Tgt Ion: 114 Resp: 223988
 Ion Ratio Lower Upper
 114 100
 63 20.9 17.1 25.7
 88 15.4 12.6 19.0



#30
 2-Butanone
 Concen: 51.19 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX002415.D
 Acq: 08 Jun 2018 21:10

Tgt Ion: 43 Resp: 111906
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.1 9.1
 72 23.2 18.1 27.1





#37

Trichloroethene

Concen: 1.06 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002415.D

Acq: 08 Jun 2018 21:10

Instrument :

MSVOA_X

ClientSampleId :

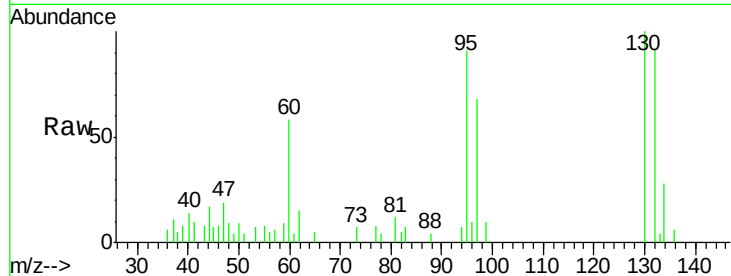
002M-35TH-AVE(JUNE)

Tgt Ion:130 Resp: 2846

Ion Ratio Lower Upper

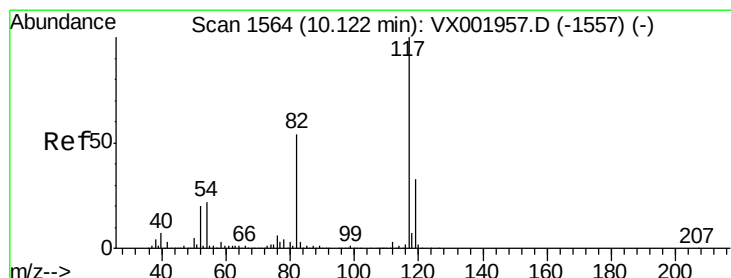
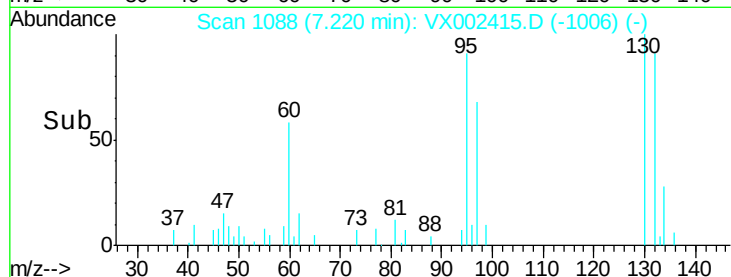
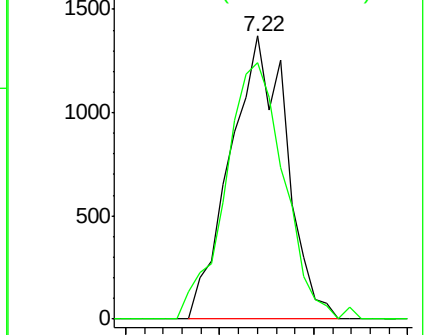
130 100

95 90.8 81.5 122.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX002415.D

Acq: 08 Jun 2018 21:10

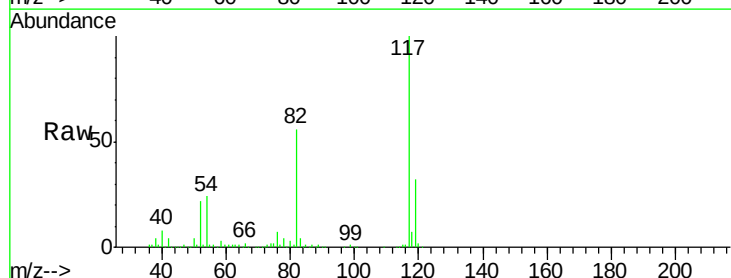
Tgt Ion:117 Resp: 206297

Ion Ratio Lower Upper

117 100

82 55.0 44.3 66.5

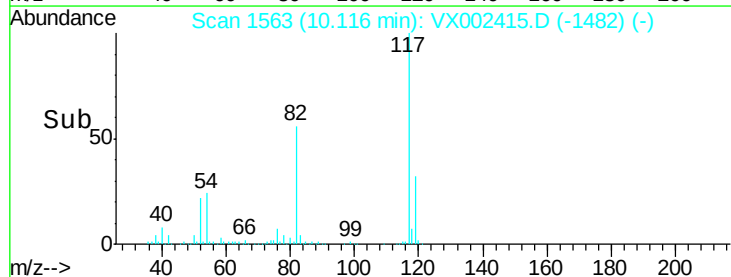
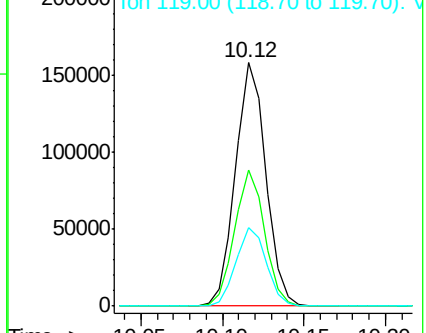
119 32.3 25.7 38.5

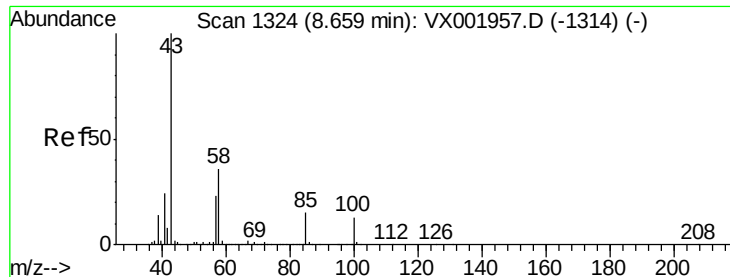


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

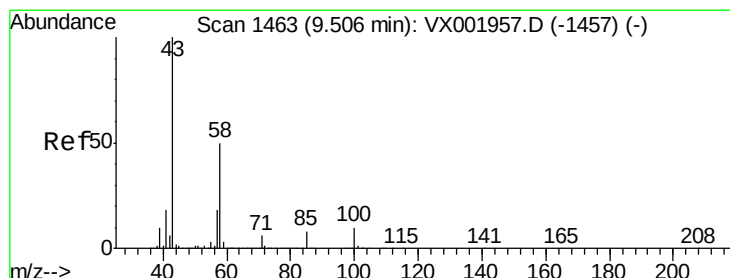
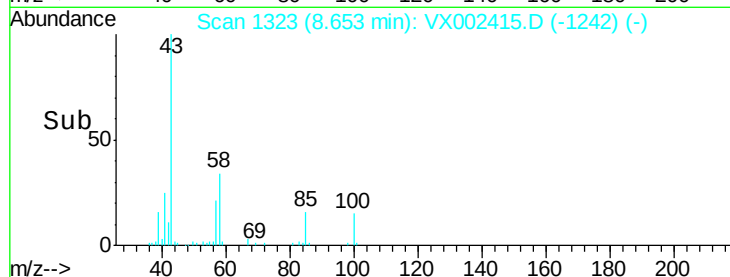
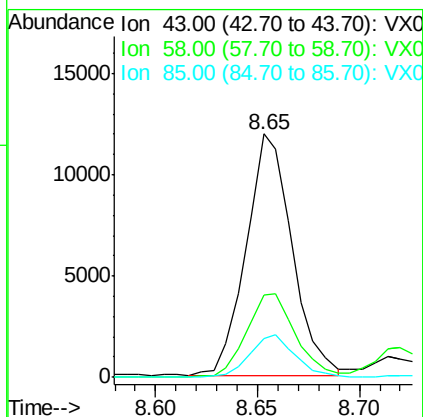
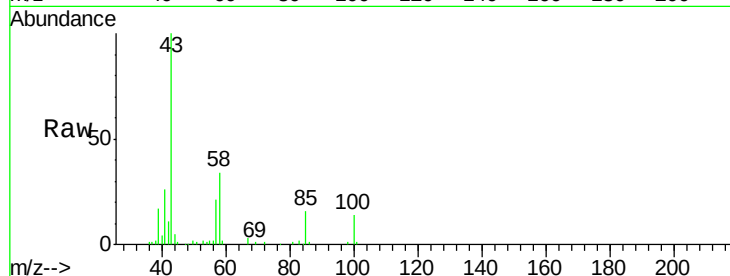




#58
 4-Methyl-2-Pentanone
 Concen: 4.14 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002415.D
 Acq: 08 Jun 2018 21:10

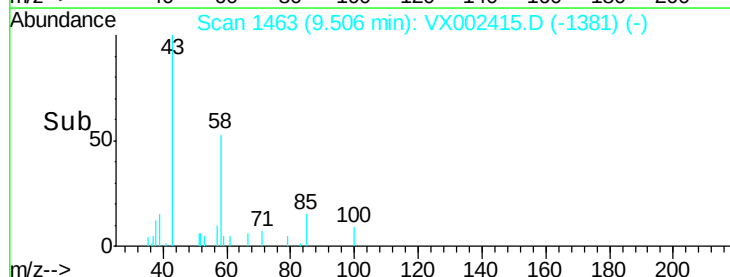
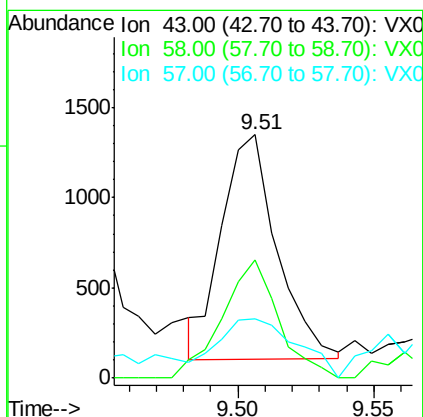
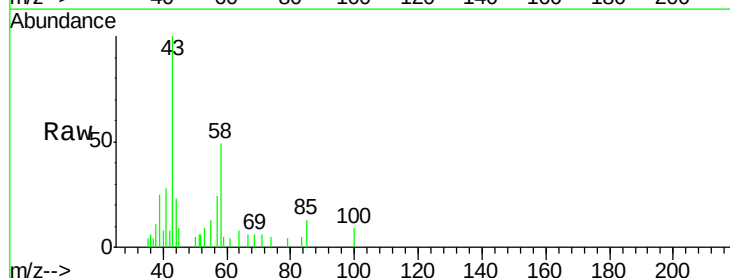
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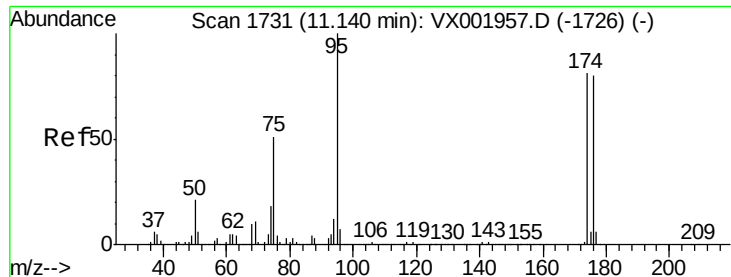
Tgt Ion: 43 Resp: 18600
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.2 42.4
 85 17.3 12.4 18.6



#59
 2-Hexanone
 Concen: 0.50 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VX002415.D
 Acq: 08 Jun 2018 21:10

Tgt Ion: 43 Resp: 1759
 Ion Ratio Lower Upper
 43 100
 58 53.2 39.6 59.4
 57 37.6 14.1 21.1#

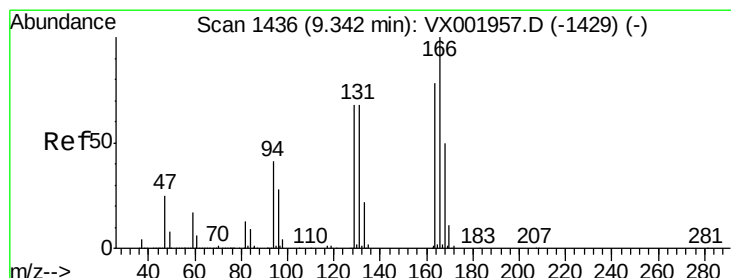
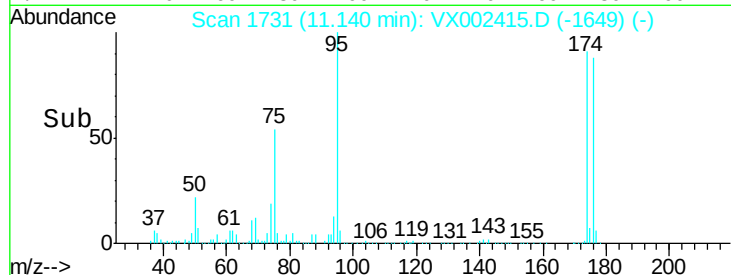
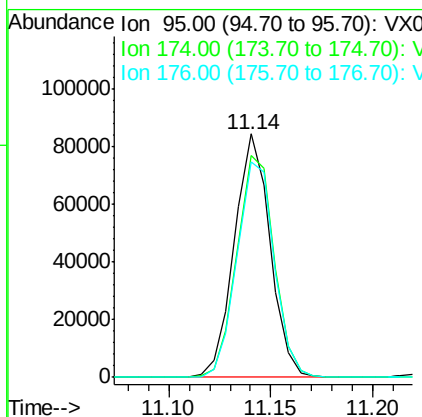
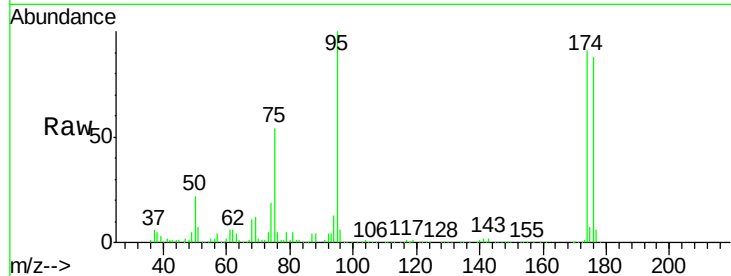




#60
4-Bromofluorobenzene
Concen: 28.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002415.D
Acq: 08 Jun 2018 21:10

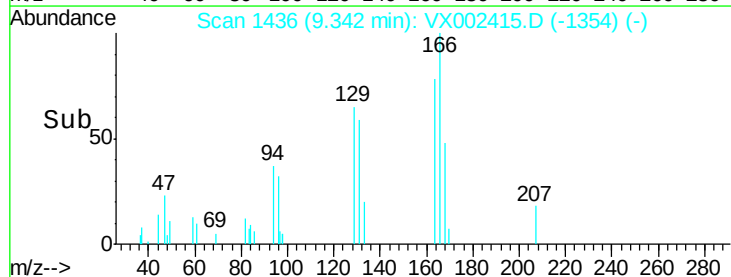
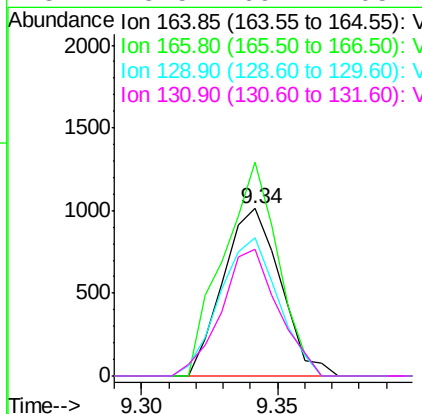
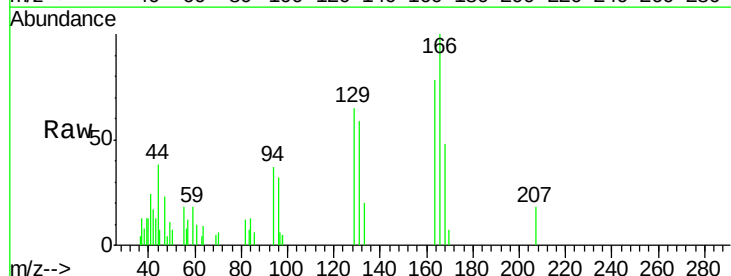
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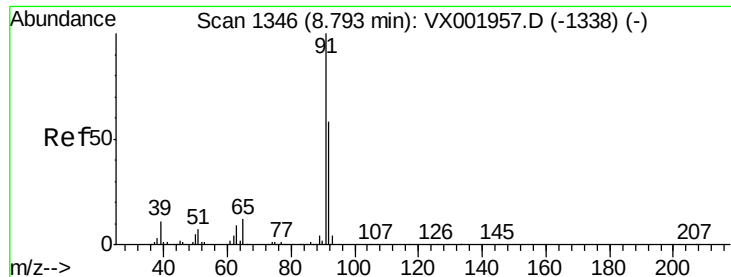
Tgt Ion: 95 Resp: 101950
Ion Ratio Lower Upper
95 100
174 95.7 71.8 107.6
176 92.9 70.1 105.1



#61
Tetrachloroethene
Concen: 0.47 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002415.D
Acq: 08 Jun 2018 21:10

Tgt Ion: 164 Resp: 1483
Ion Ratio Lower Upper
164 100
166 127.8 102.4 153.6
129 82.8 70.1 105.1
131 75.5 69.1 103.7





#62

Toluene

Concen: 45.45 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002415.D

Acq: 08 Jun 2018 21:10

Instrument :

MSVOA_X

ClientSampleId :

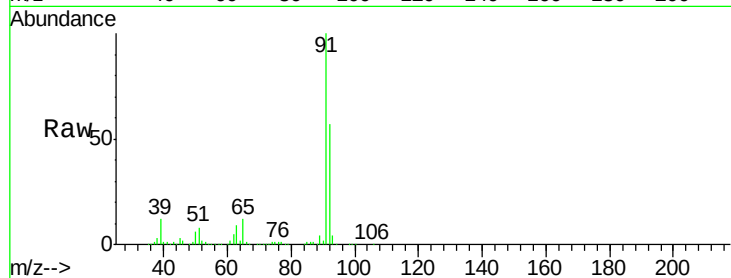
002M-35TH-AVE(JUNE)

Tgt Ion: 91 Resp: 478835

Ion Ratio Lower Upper

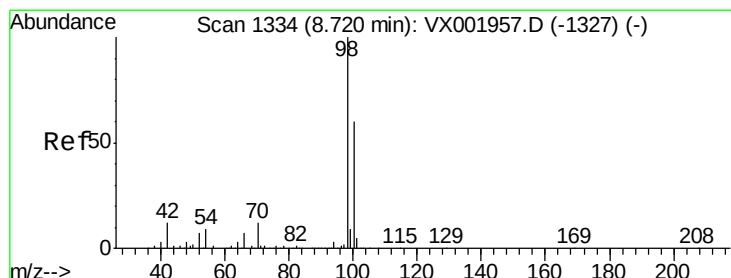
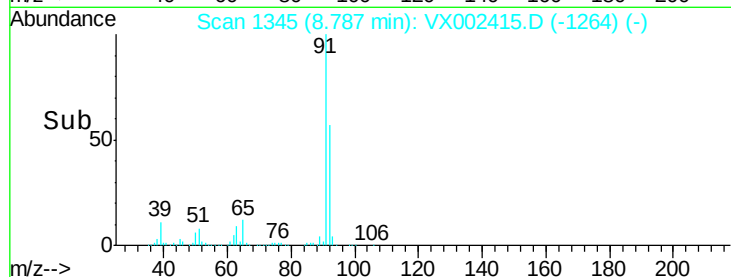
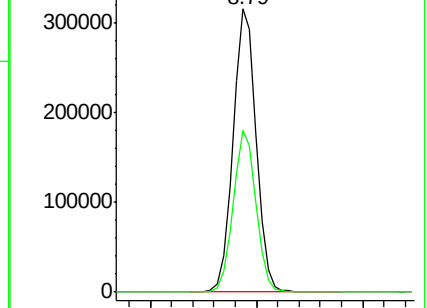
91 100

92 56.5 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: 28.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002415.D

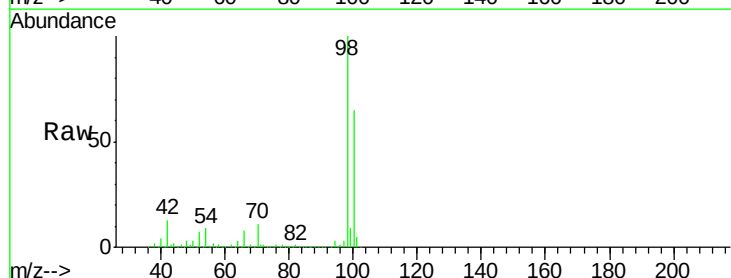
Acq: 08 Jun 2018 21:10

Tgt Ion: 98 Resp: 262254

Ion Ratio Lower Upper

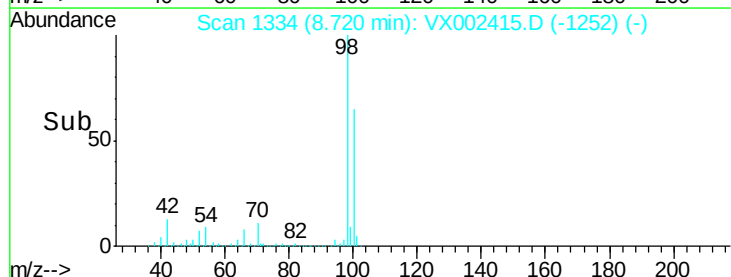
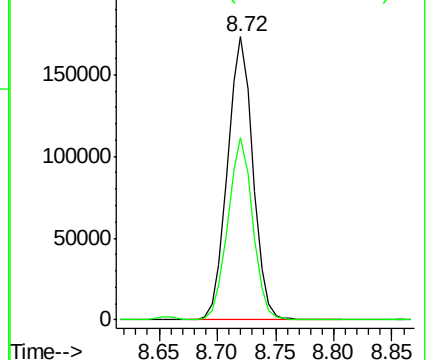
98 100

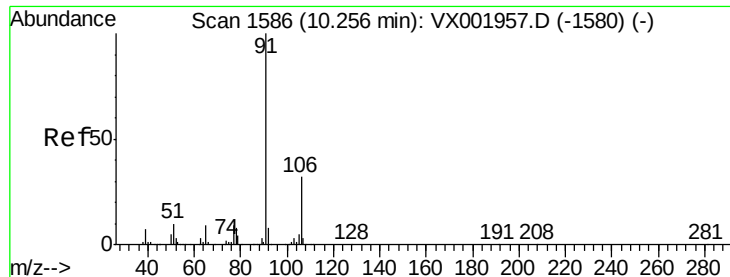
100 63.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#66

Ethyl Benzene

Concen: 0.27 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002415.D

Acq: 08 Jun 2018 21:10

Instrument :

MSVOA_X

ClientSampleId :

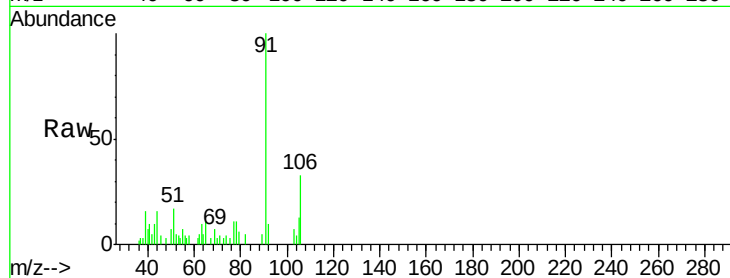
002M-35TH-AVE(JUNE)

Tgt Ion: 91 Resp: 3158

Ion Ratio Lower Upper

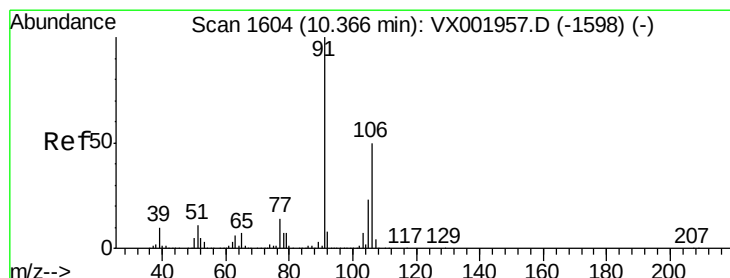
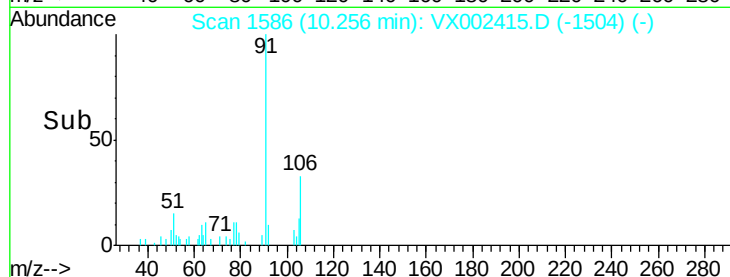
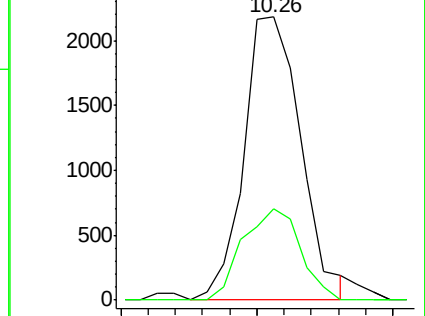
91 100

106 32.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#67

m/p-Xylenes

Concen: 0.41 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002415.D

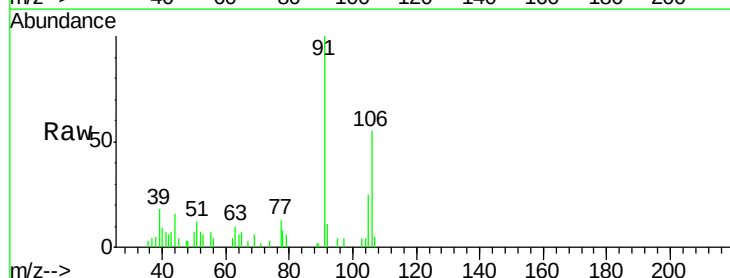
Acq: 08 Jun 2018 21:10

Tgt Ion: 106 Resp: 1838

Ion Ratio Lower Upper

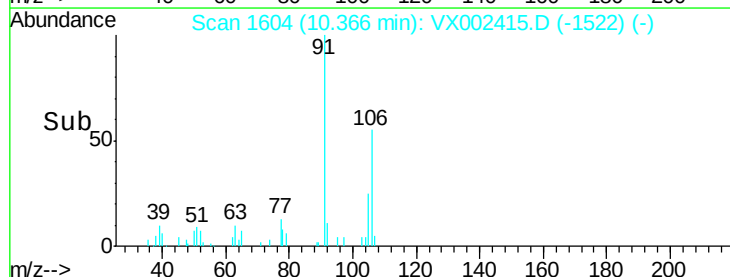
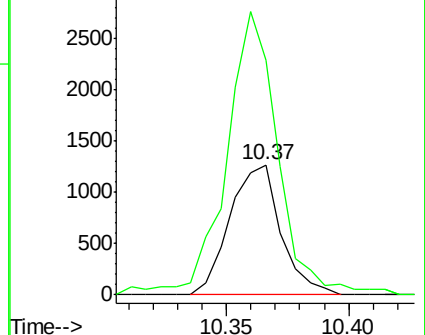
106 100

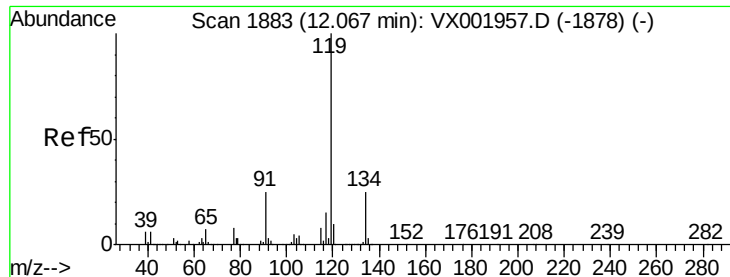
91 212.2 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

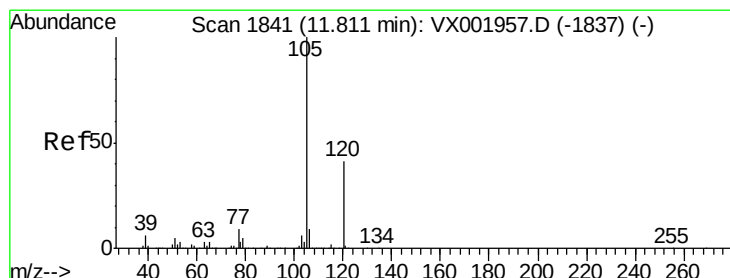
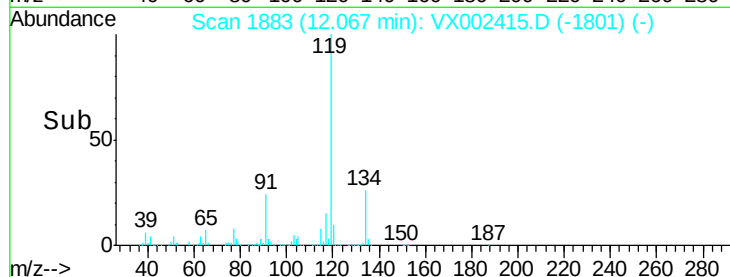
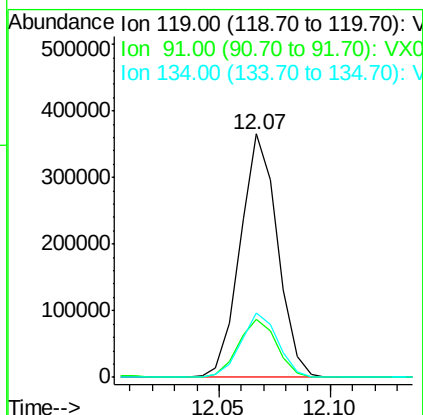
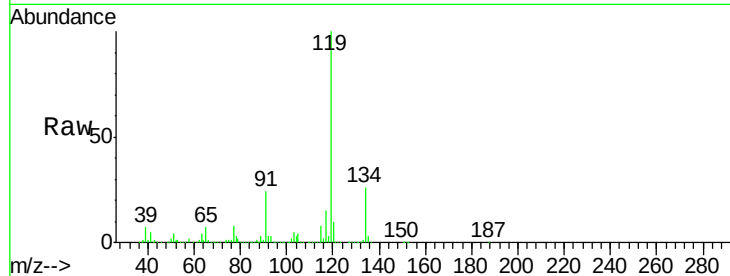




#79
tert-butylbenzene
Concen: 39.69 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002415.D
Acq: 08 Jun 2018 21:10

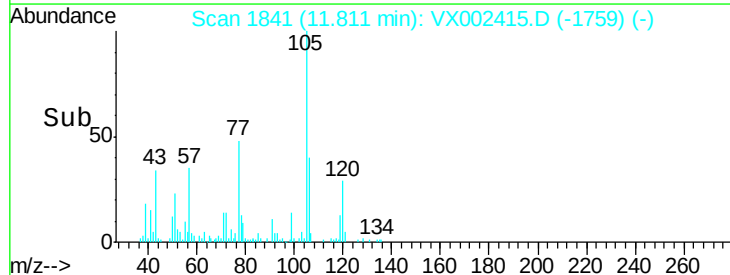
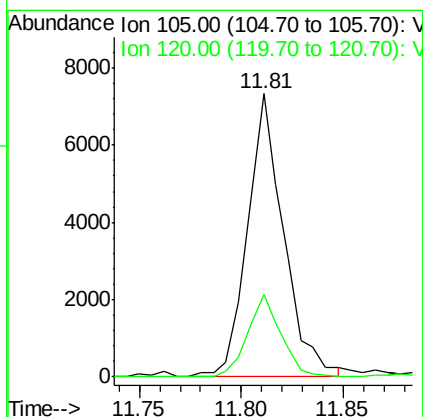
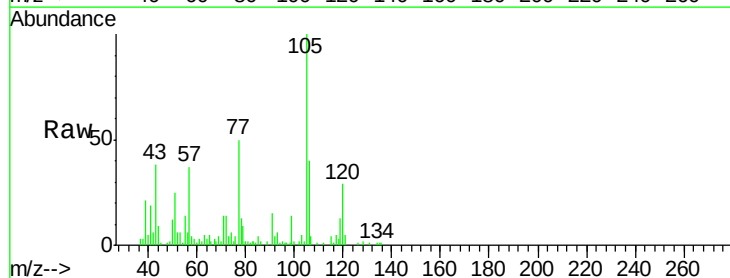
Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(JUNE)

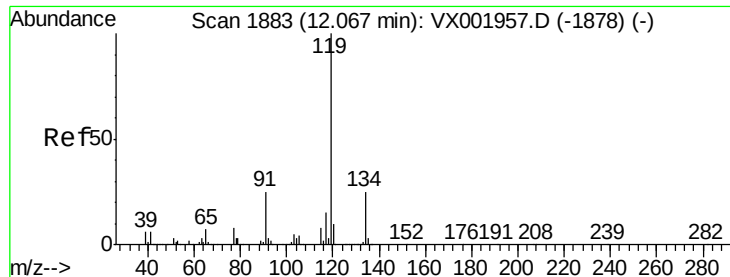
Tgt Ion:119 Resp: 426446
Ion Ratio Lower Upper
119 100
91 24.6 0.0 48.0
134 26.6 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 0.87 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002415.D
Acq: 08 Jun 2018 21:10

Tgt Ion:105 Resp: 9047
Ion Ratio Lower Upper
105 100
120 26.7 0.0 89.2

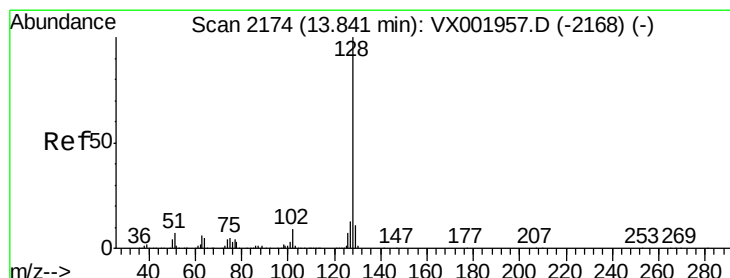
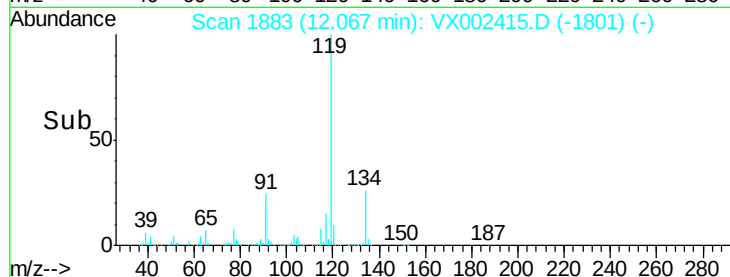
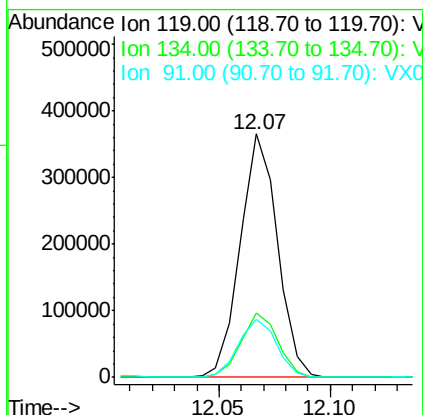
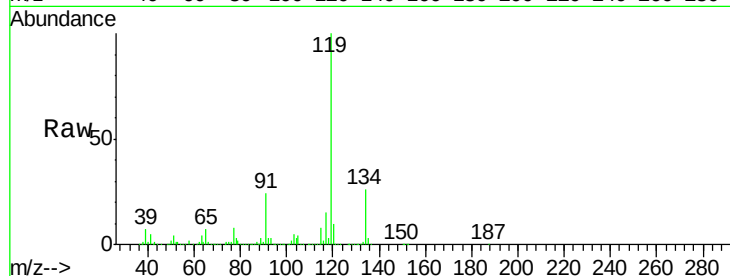




#82
p-Isopropyltoluene
Concen: 39.69 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002415.D
Acq: 08 Jun 2018 21:10

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	24.6	0.0	48.0



#91
Naphthalene
Concen: 0.52 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002415.D
Acq: 08 Jun 2018 21:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.3	15.5
129	14.9	8.9	13.3#

