

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060319\
 Data File : VX010047.D
 Acq On : 03 Jun 2019 19:32
 Operator : JC/SP
 Sample : K3165-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13870

Quant Time: Jun 04 05:22:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124959	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113063	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
35) Dibromofluoromethane	5.50	113	83483	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	353865	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.13	95	127934	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	

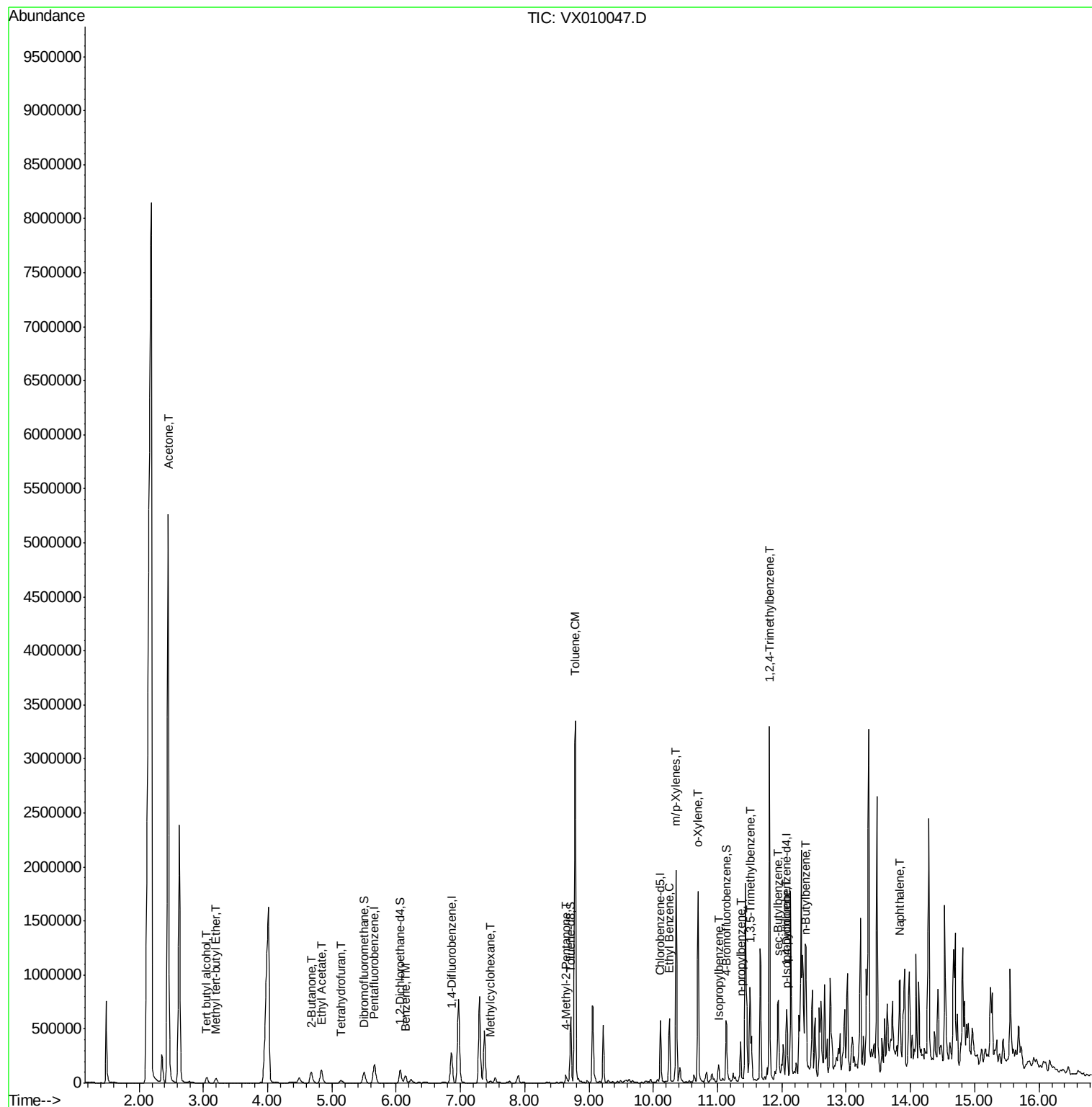
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	61026	102.838	ug/l	98
16) Acetone	2.45	43	5680481	4077.311	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	44940	6.886	ug/l	99
25) 2-Butanone	4.68	43	180111	82.978	ug/l	98
29) Tetrahydrofuran	5.15	42	2311	1.660	ug/l #	87
37) Ethyl Acetate	4.84	43	216164	55.575	ug/l	99
39) Methylcyclohexane	7.46	83	4624	1.396	ug/l	96
40) Benzene	6.14	78	75651	9.136	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	46390	11.363	ug/l	98
52) Toluene	8.79	92	1219512	242.553	ug/l	98
67) Ethyl Benzene	10.25	91	323567	33.680	ug/l	100
68) m/p-Xylenes	10.35	106	439813	123.919	ug/l	99
69) o-Xylene	10.69	106	363777	106.873	ug/l	99
73) Isopropylbenzene	11.02	105	75669	8.207	ug/l	100
78) n-propylbenzene	11.36	91	223990	21.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	342067	44.039	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1335548	169.312	ug/l	99
85) sec-Butylbenzene	11.94	105	82344	9.314	ug/l	90
86) p-Isopropyltoluene	12.06	119	55042	6.922	ug/l	99
89) n-Butylbenzene	12.38	91	168054	22.488	ug/l #	41
95) Naphthalene	13.83	128	482305	52.586	ug/l	99

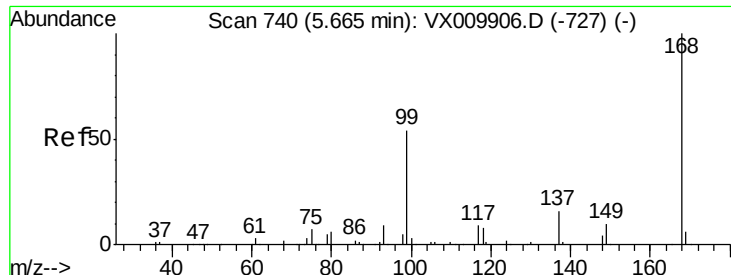
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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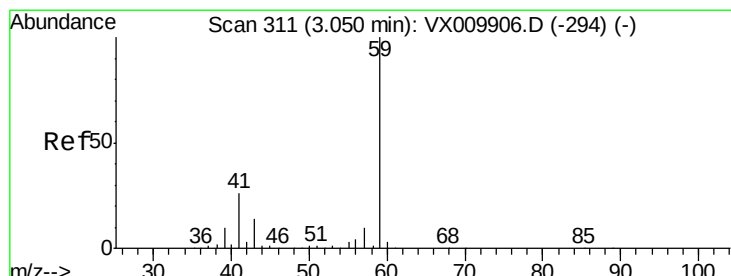
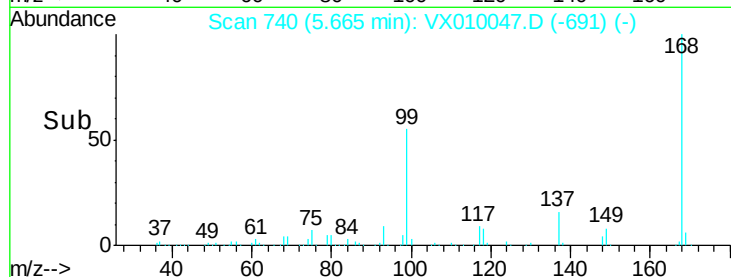
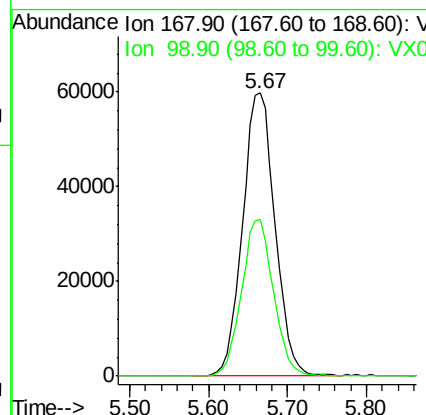
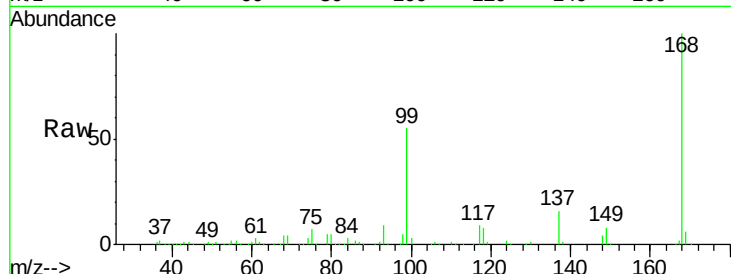




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

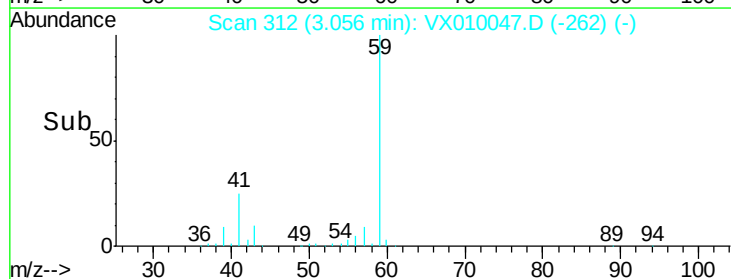
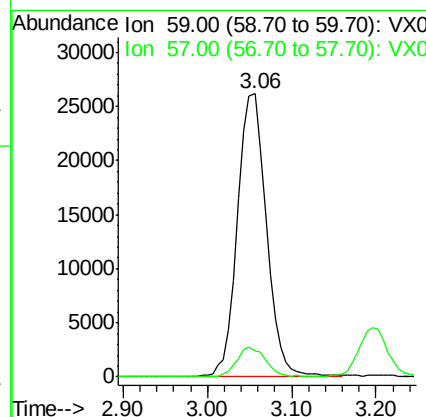
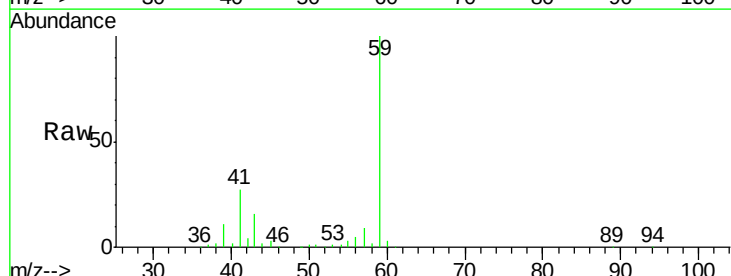
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13870

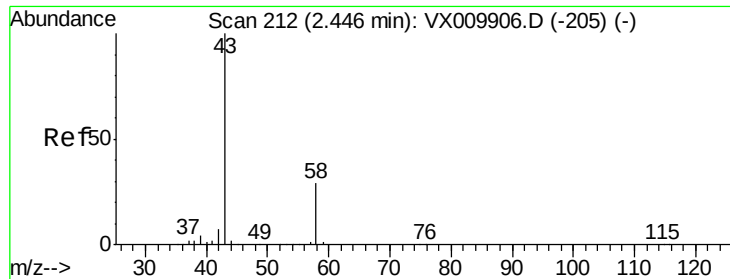
Tot Ion:168 Resp: 170701
Ion Ratio Lower Upper
168 100
99 55.2 43.0 64.6



#11
Tert butyl alcohol
Concen: 102.838 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion: 59 Resp: 61026
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2





#16

Acetone

Concen: 4077.311 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

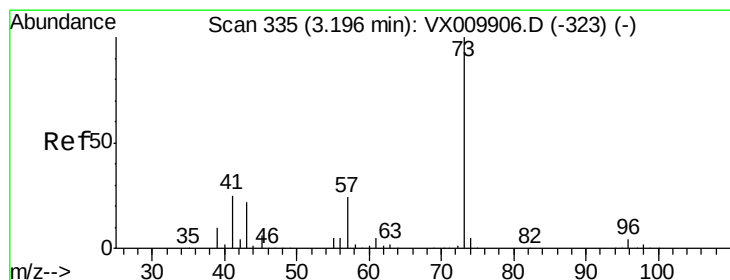
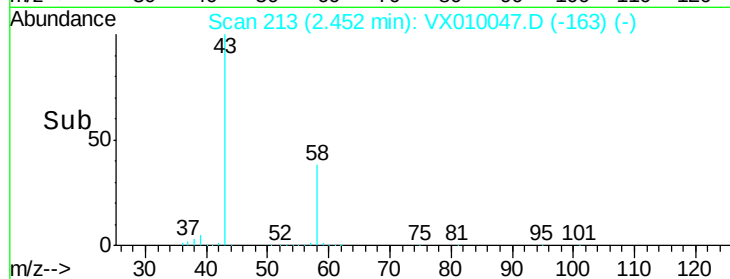
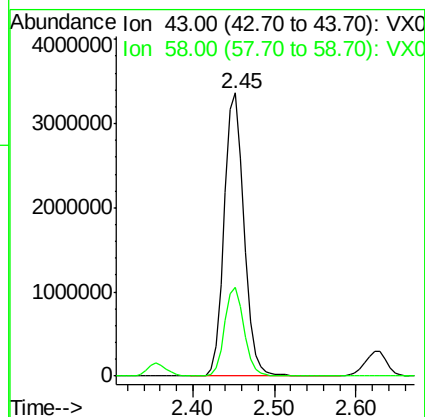
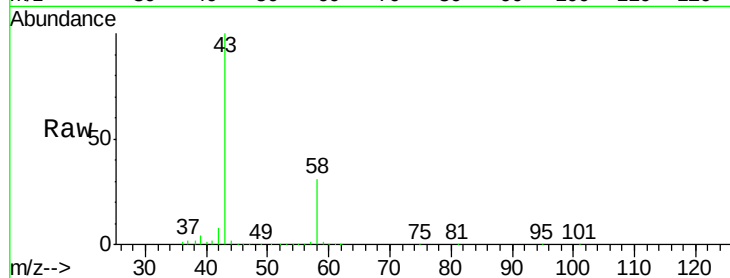
13870

Tot Ion: 43 Resp: 5680481

Ion Ratio Lower Upper

43 100

58 31.3 23.2 34.8



#19

Methyl tert-butyl Ether

Concen: 6.886 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.01 min

Lab File: VX010047.D

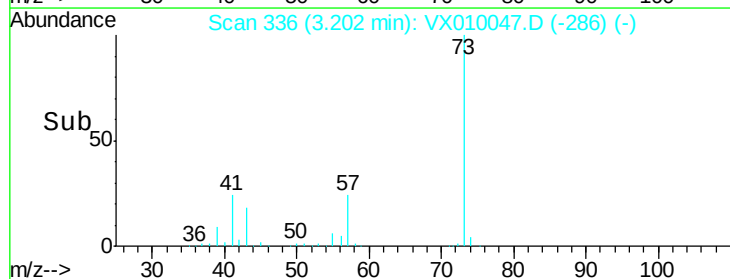
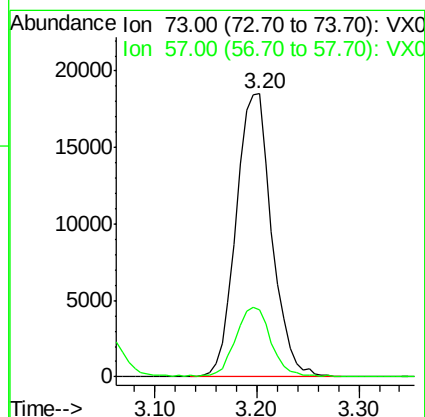
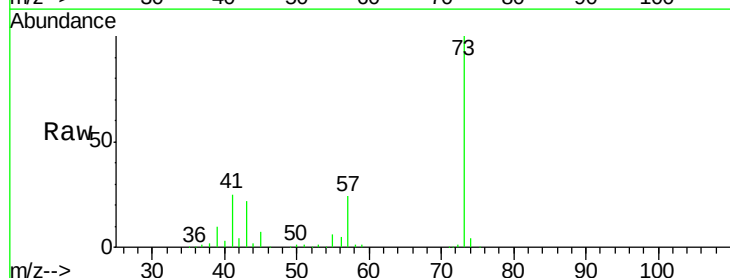
Acq: 03 Jun 2019 19:32

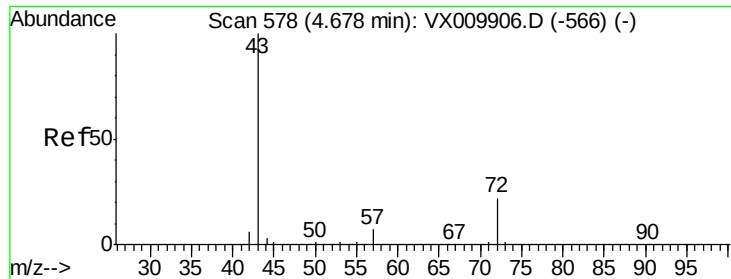
Tgt Ion: 73 Resp: 44940

Ion Ratio Lower Upper

73 100

57 23.7 19.4 29.2





#25

2-Butanone

Concen: 82.978 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

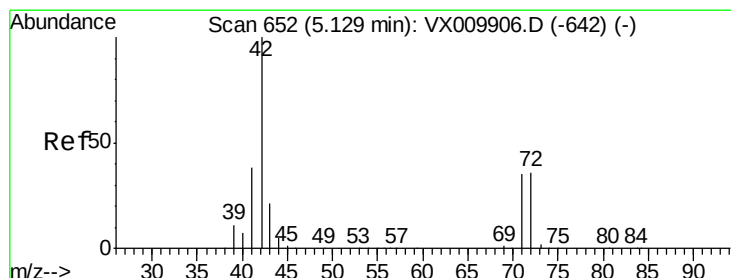
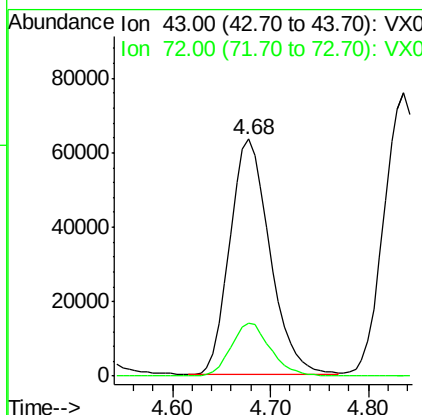
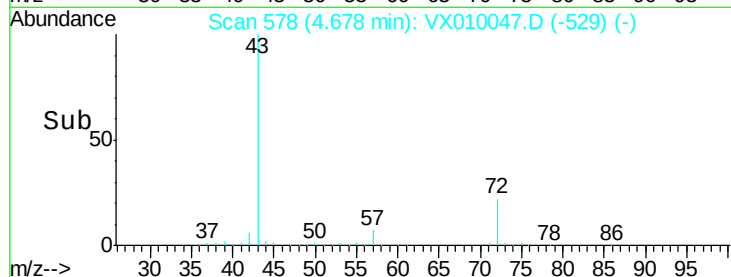
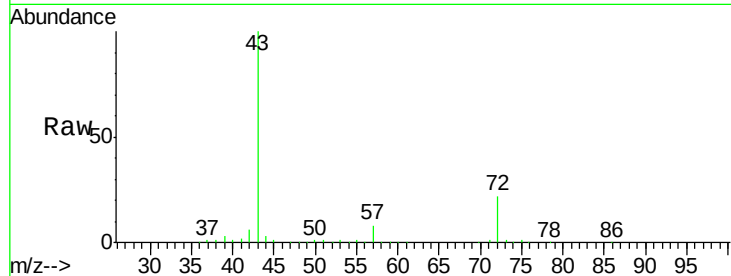
13870

Tot Ion: 43 Resp: 180111

Ion Ratio Lower Upper

43 100

72 22.6 17.5 26.3



#29

Tetrahydrofuran

Concen: 1.660 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

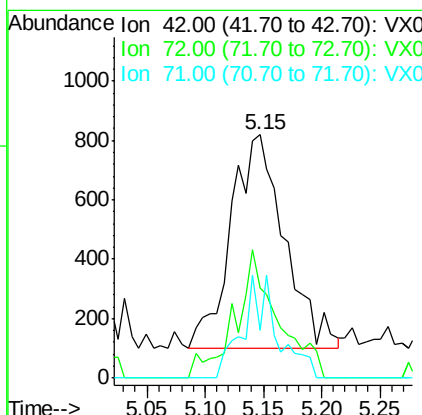
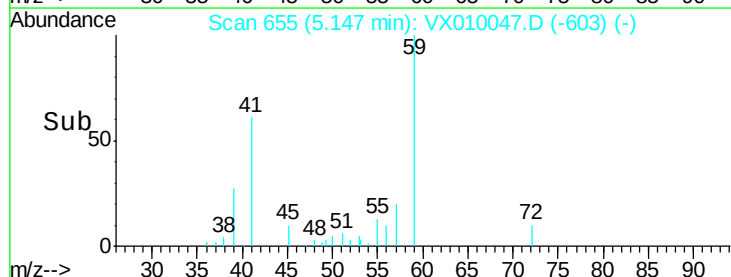
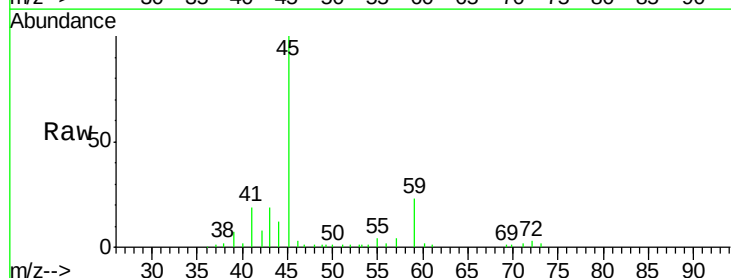
Tgt Ion: 42 Resp: 2311

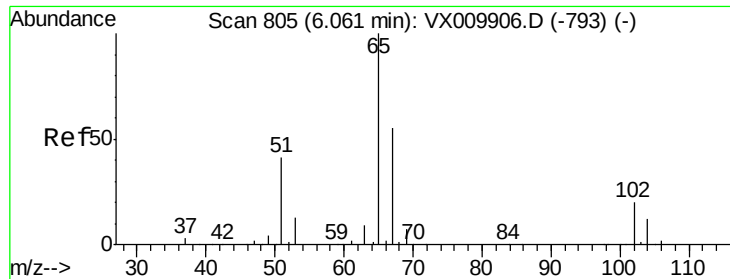
Ion Ratio Lower Upper

42 100

72 47.8 29.2 43.8#

71 30.2 27.6 41.4

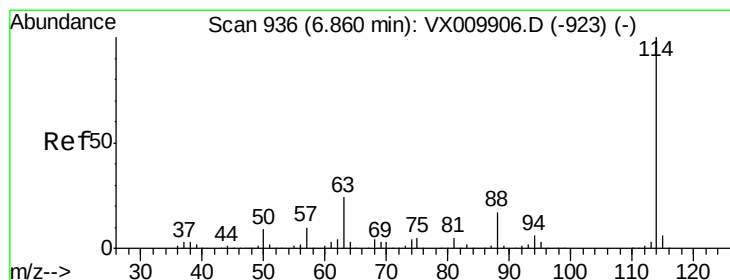
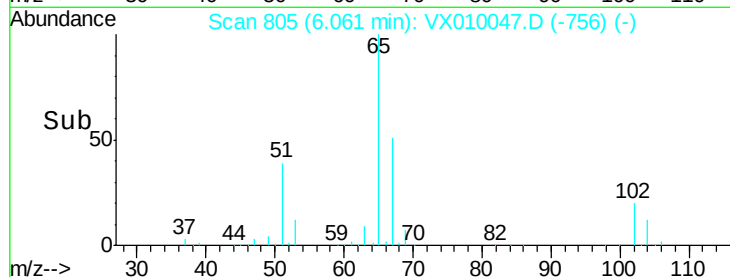
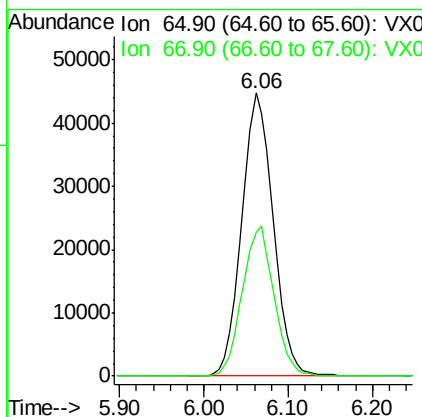
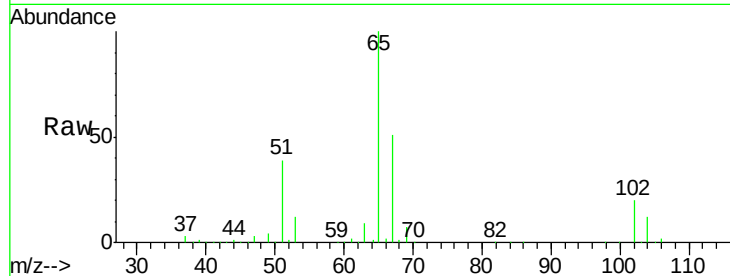




#33
 1,2-Dichloroethane-d4
 Concen: 46.889 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010047.D
 Acq: 03 Jun 2019 19:32

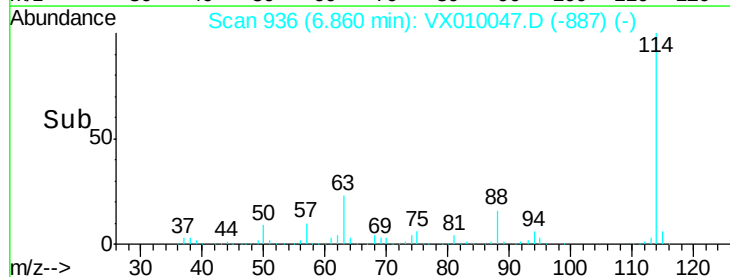
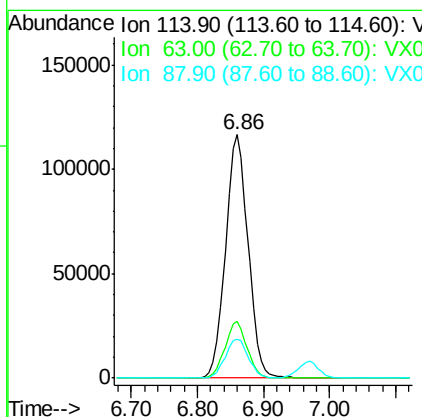
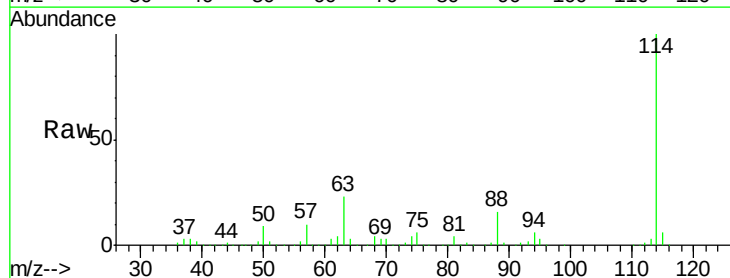
Instrument :
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 ClientSampleId :
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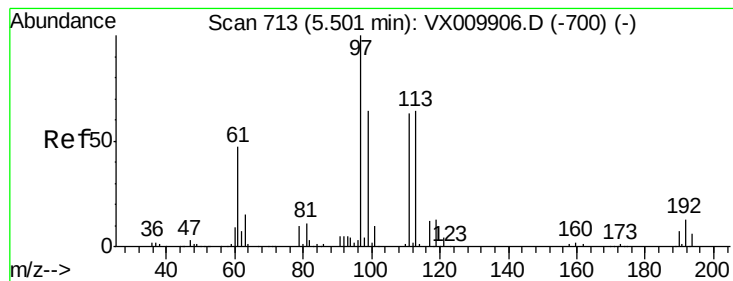
Tot Ion: 65 Resp: 113063
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010047.D
 Acq: 03 Jun 2019 19:32

Tgt Ion: 114 Resp: 275128
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.4
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.263 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

13870

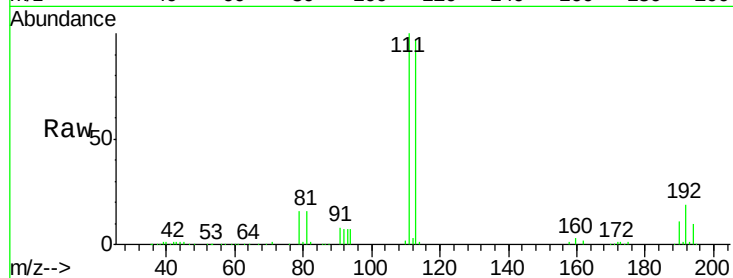
Tot Ion:113 Resp: 83483

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

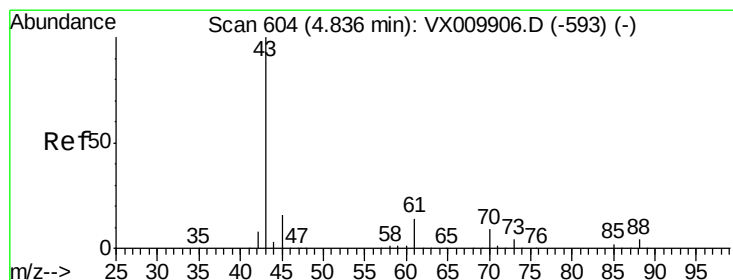
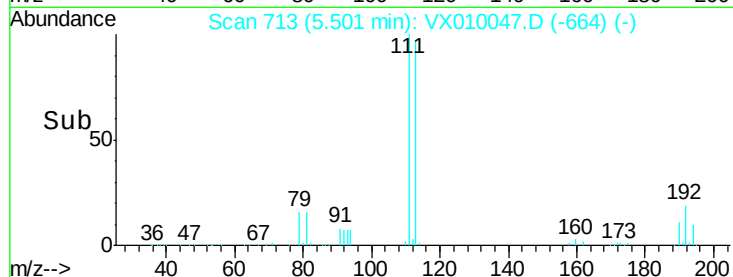
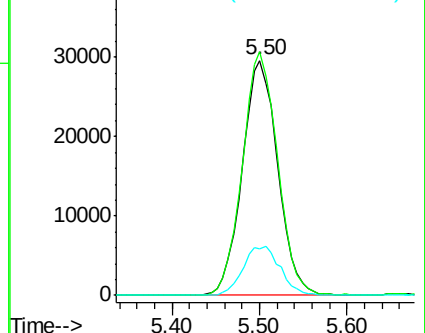
192 22.0 17.1 25.7



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



#37

Ethyl Acetate

Concen: 55.575 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

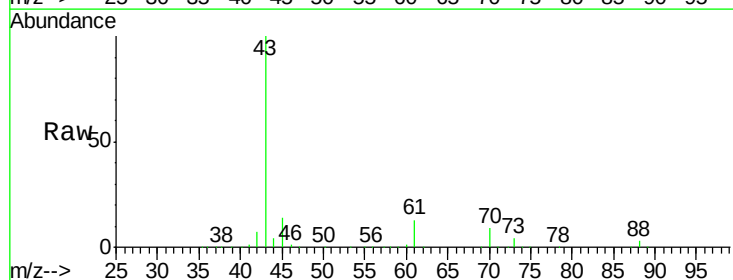
Tgt Ion: 43 Resp: 216164

Ion Ratio Lower Upper

43 100

61 13.5 10.2 15.2

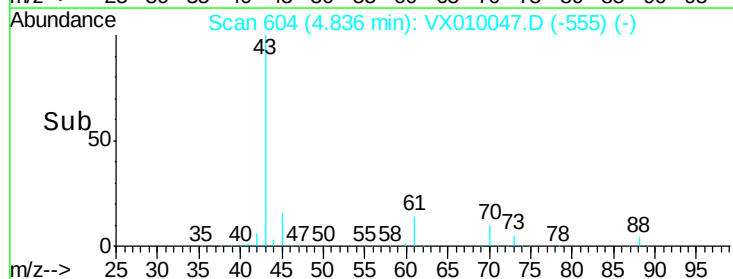
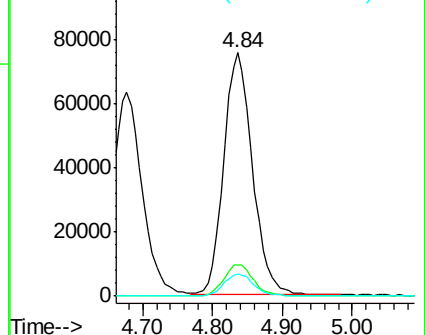
70 9.6 7.4 11.2

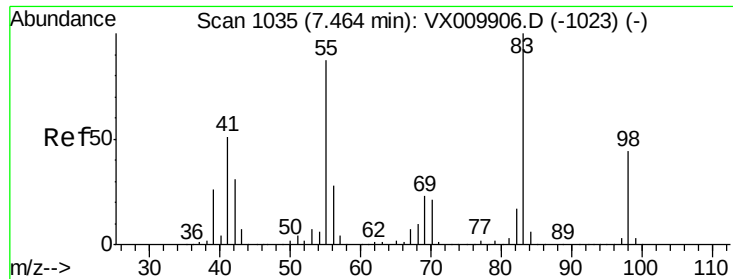


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

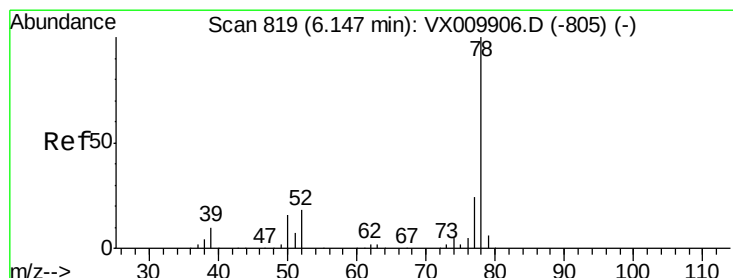
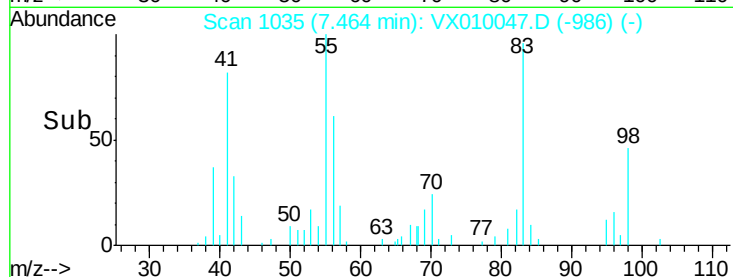
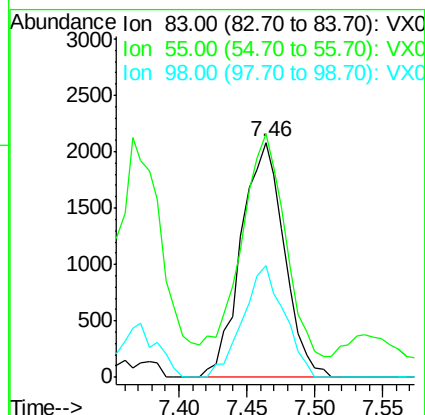
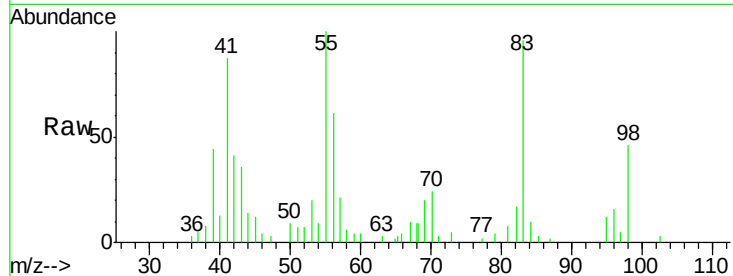




#39
Methylvlcyclohexane
Concen: 1.396 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

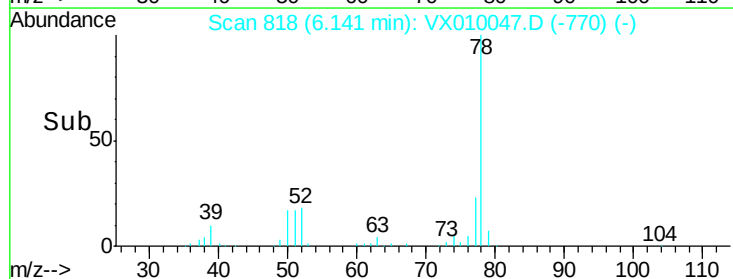
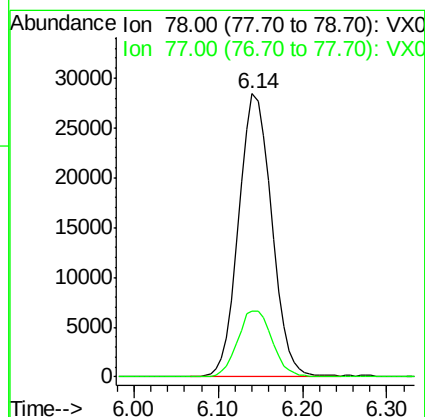
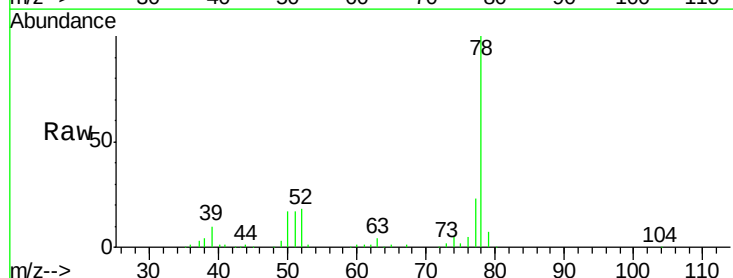
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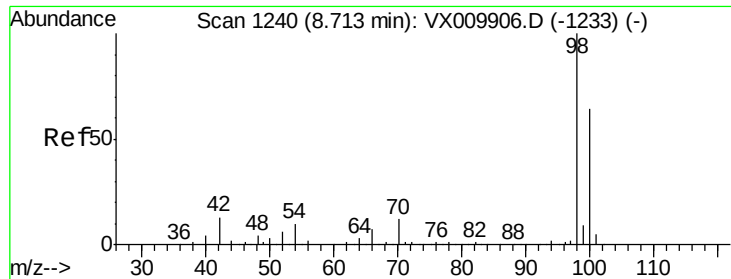
Tot Ion: 83 Resp: 4624
Ion Ratio Lower Upper
83 100
55 90.6 69.9 104.9
98 47.3 35.1 52.7



#40
Benzene
Concen: 9.136 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion: 78 Resp: 75651
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8

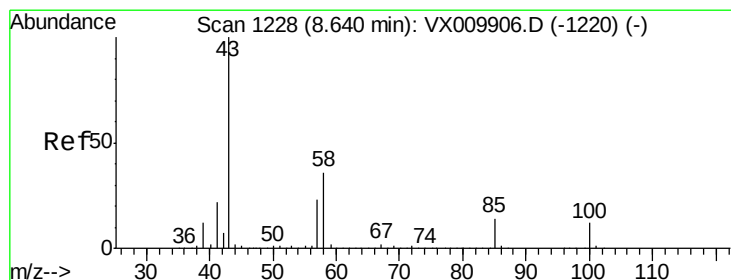
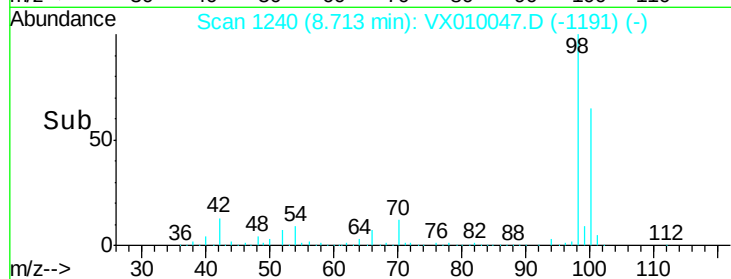
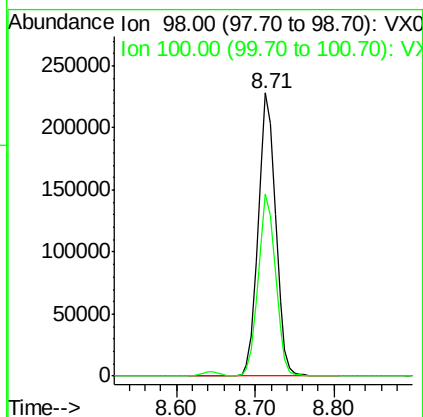
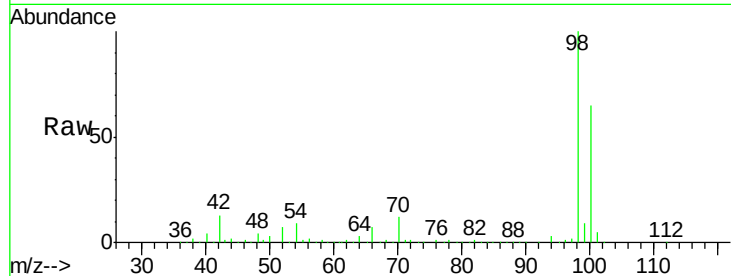




#50
Toluene-d8
Concen: 50.379 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

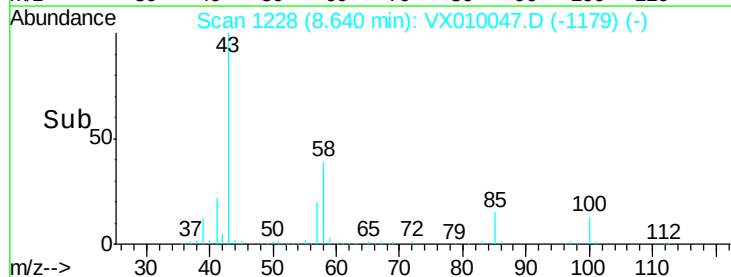
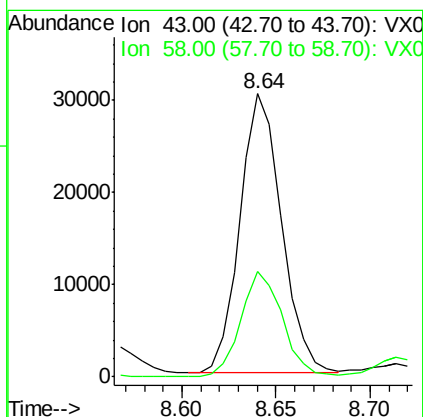
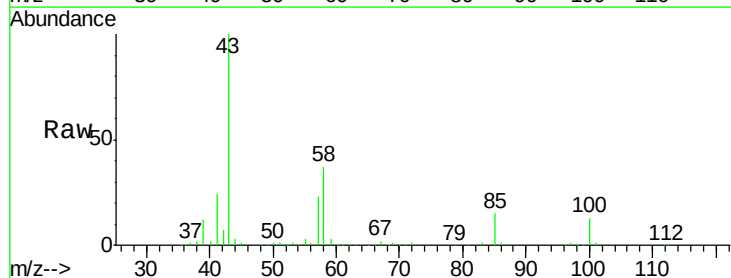
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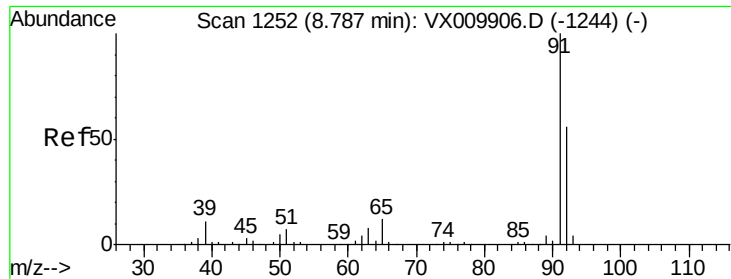
Tot Ion: 98 Resp: 353865
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 11.363 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion: 43 Resp: 46390
Ion Ratio Lower Upper
43 100
58 37.0 28.8 43.2





#52

Toluene

Concen: 242.553 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

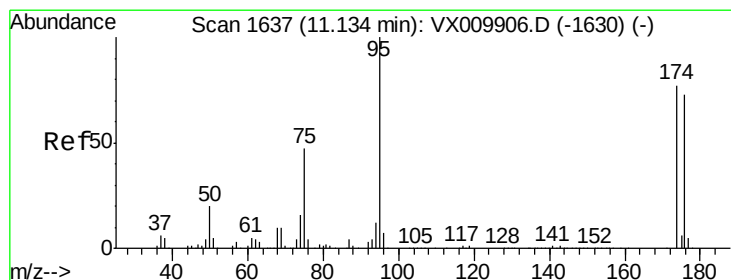
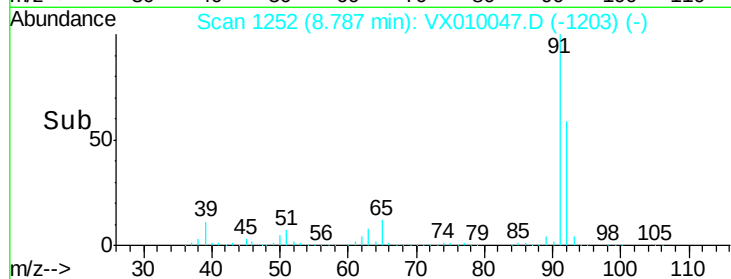
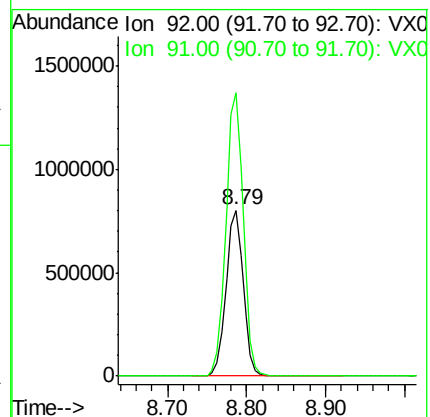
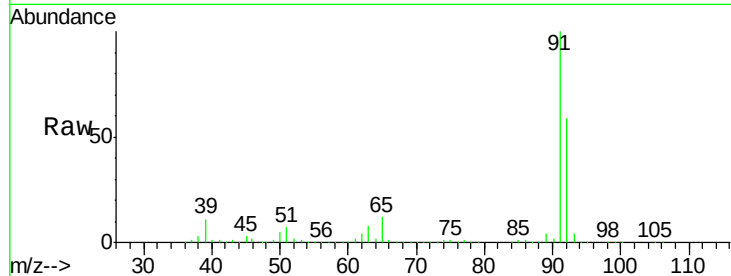
13870

Tot Ion: 92 Resp: 1219512

Ion Ratio Lower Upper

92 100

91 172.2 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 50.709 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

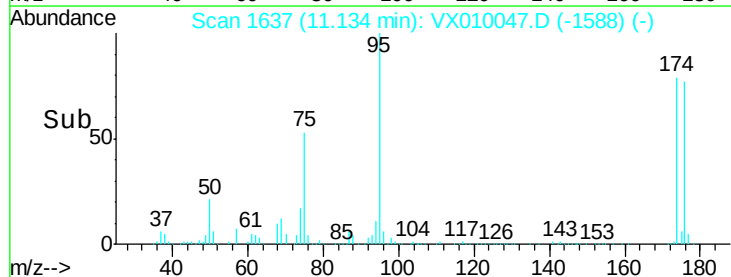
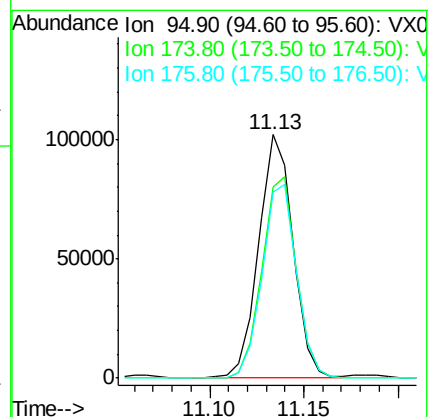
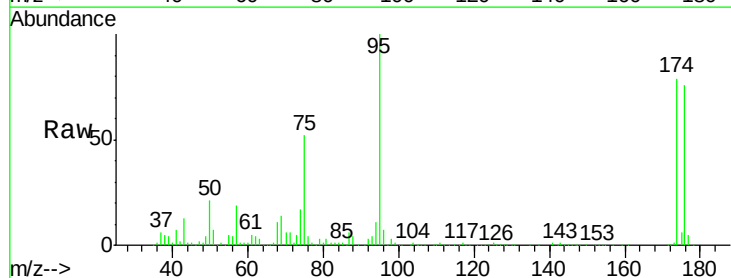
Tgt Ion: 95 Resp: 127934

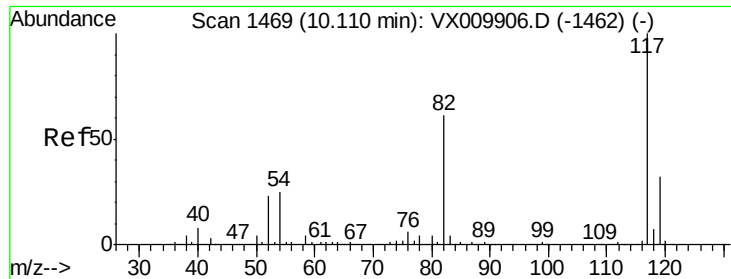
Ion Ratio Lower Upper

95 100

174 83.5 0.0 160.4

176 80.6 0.0 154.6

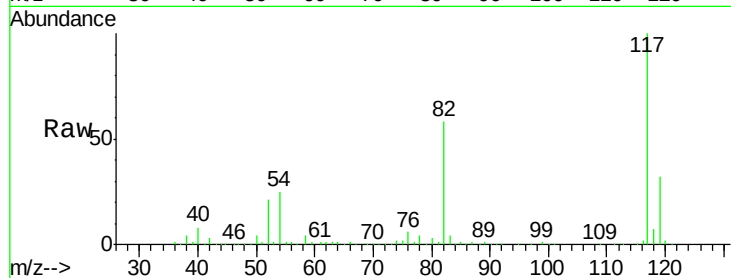




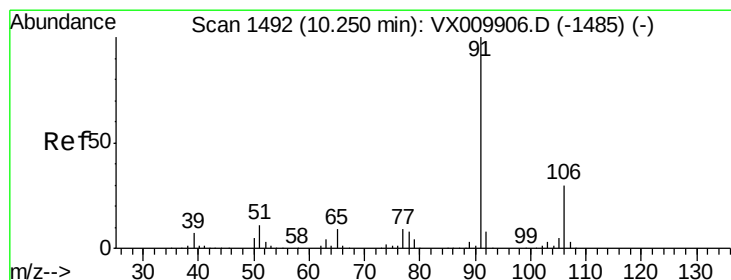
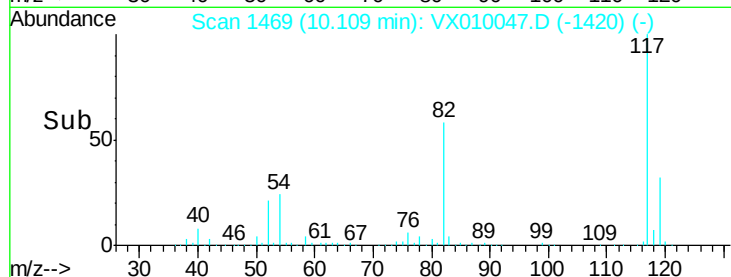
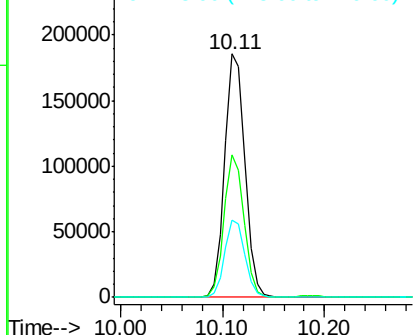
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Instrument :
MSVOA_X
ClientSampled :
13870

Tot Ion:117 Resp: 255580
Ion Ratio Lower Upper
117 100
82 58.4 49.2 73.8
119 31.8 25.2 37.8

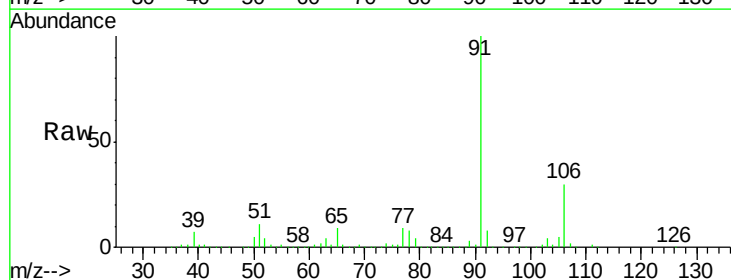


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

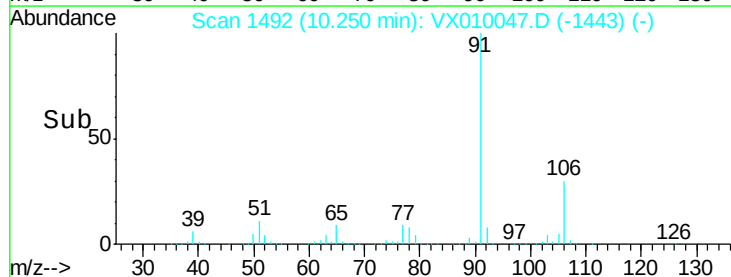
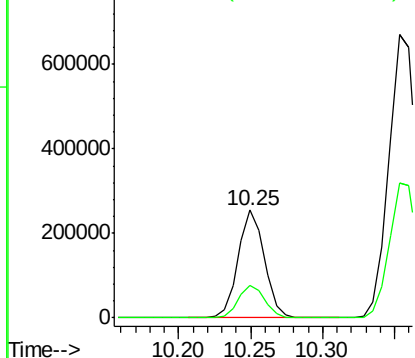


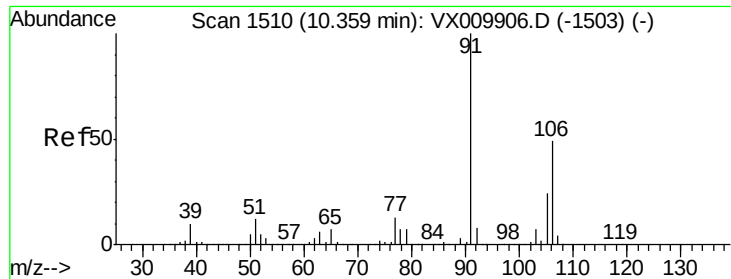
#67
Ethyl Benzene
Concen: 33.680 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion: 91 Resp: 323567
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

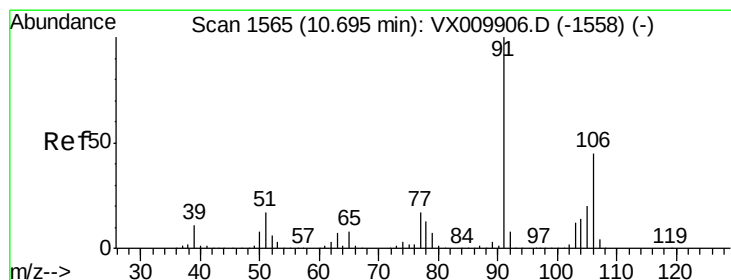
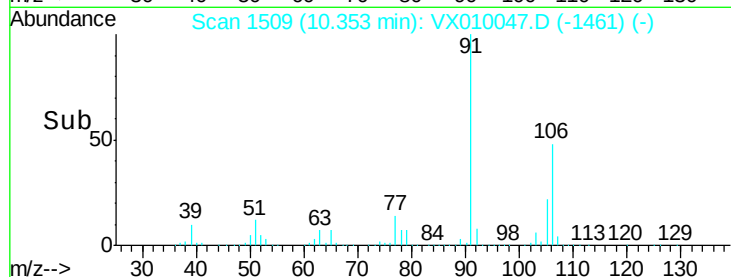
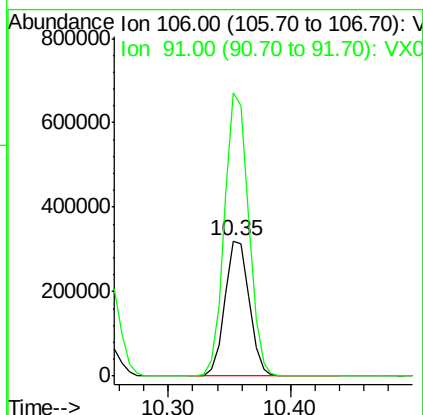
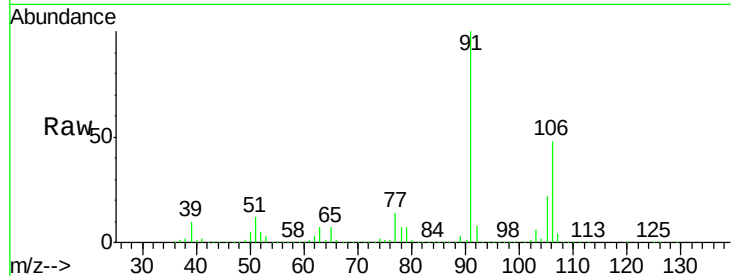




#68
m/p-Xylenes
Concen: 123.919 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

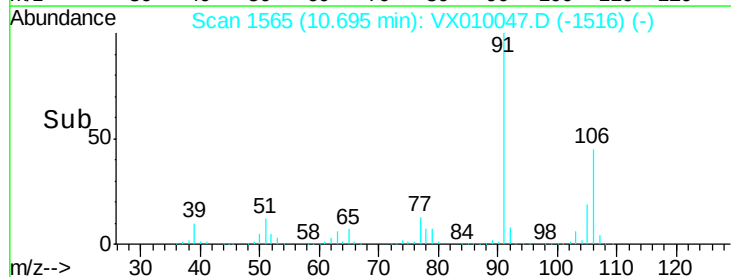
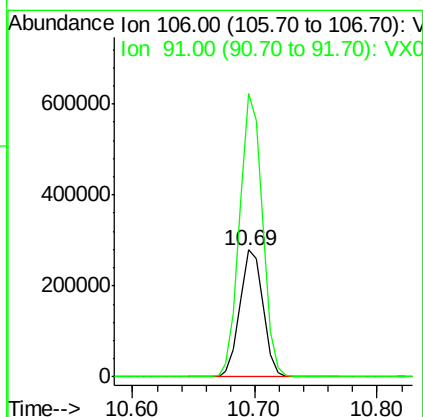
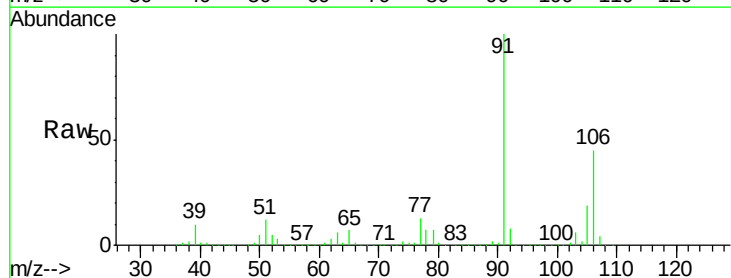
Instrument :
MSVOA_X
ClientSampleId :
13870

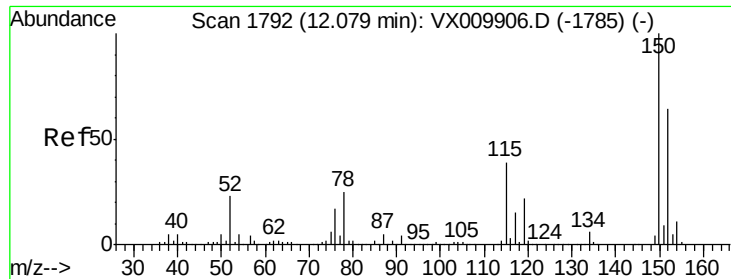
Tot Ion:106 Resp: 439813
Ion Ratio Lower Upper
106 100
91 207.5 167.3 250.9



#69
o-Xylene
Concen: 106.873 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion:106 Resp: 363777
Ion Ratio Lower Upper
106 100
91 219.6 110.4 331.2



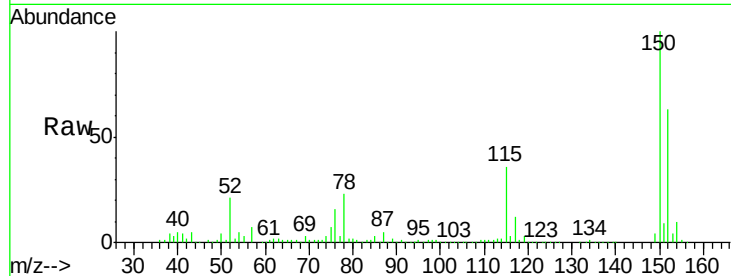


#72

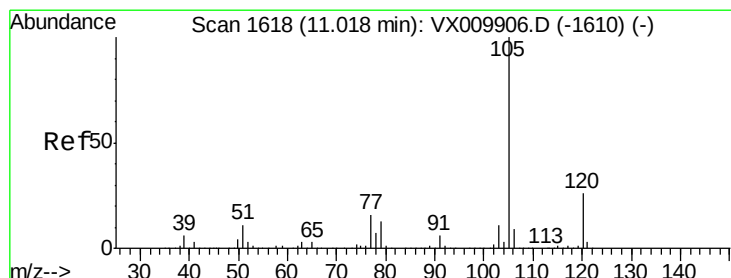
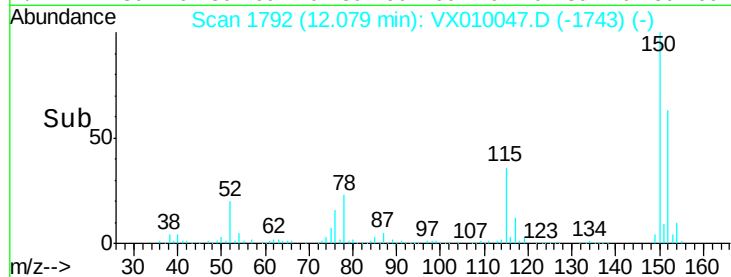
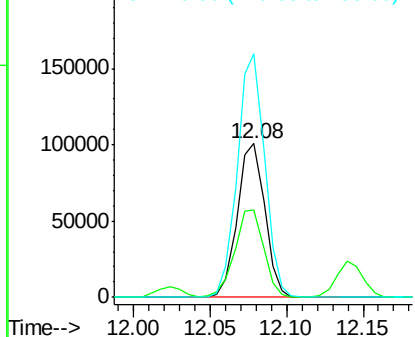
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Instrument :
MSVOA_X
ClientSampled :
13870

Tot Ion:152 Resp: 124959
Ion Ratio Lower Upper
152 100
115 60.7 41.4 124.2
150 157.8 0.0 345.2



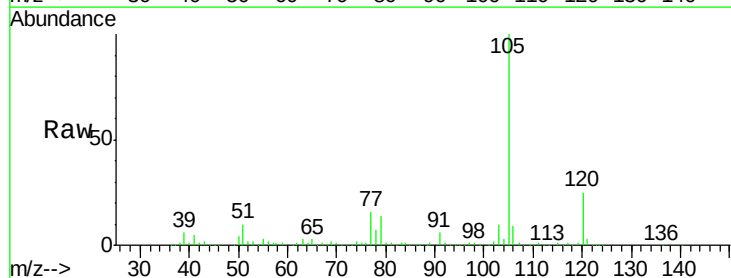
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



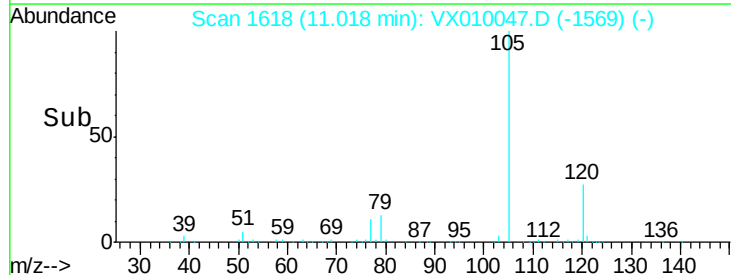
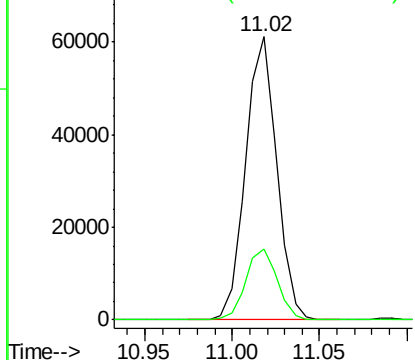
#73

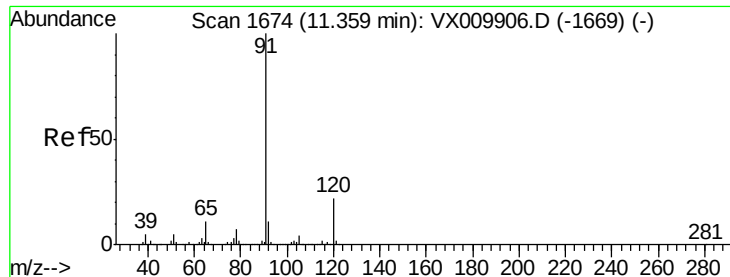
Isopropylbenzene
Concen: 8.207 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion:105 Resp: 75669
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 21.077 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010047.D

Acq: 03 Jun 2019 19:32

Instrument :

MSVOA_X

ClientSampled :

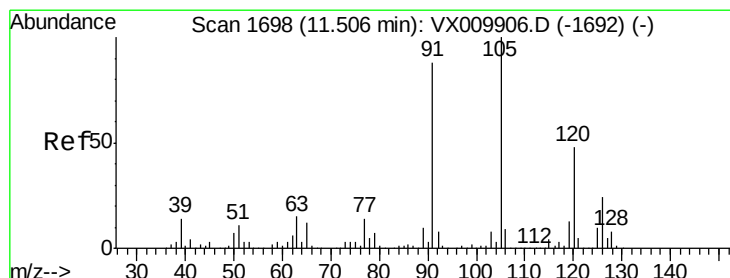
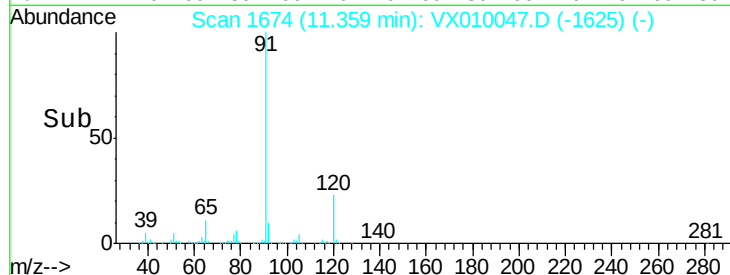
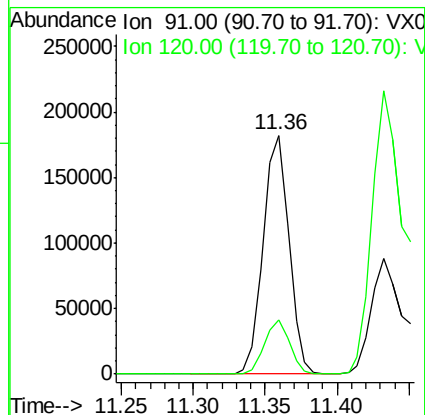
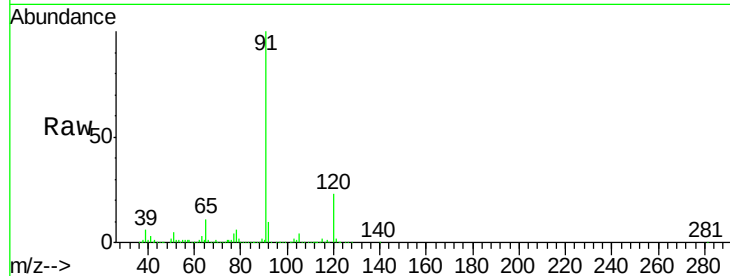
13870

Tot Ion: 91 Resp: 223990

Ion Ratio Lower Upper

91 100

120 22.3 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 44.039 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010047.D

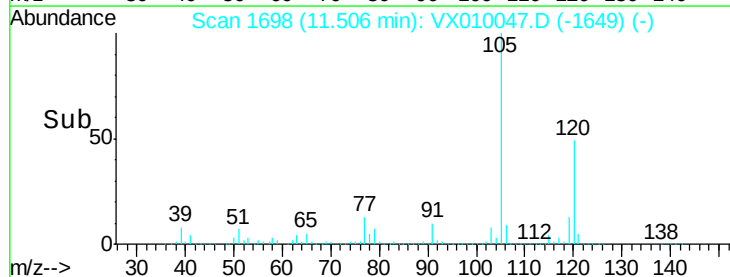
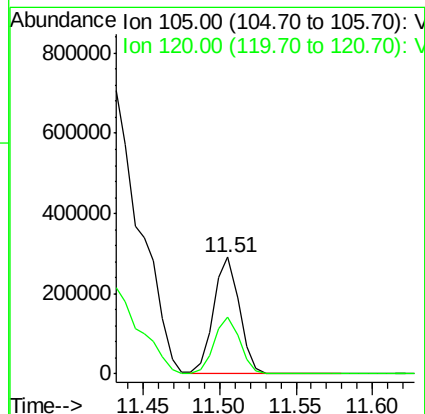
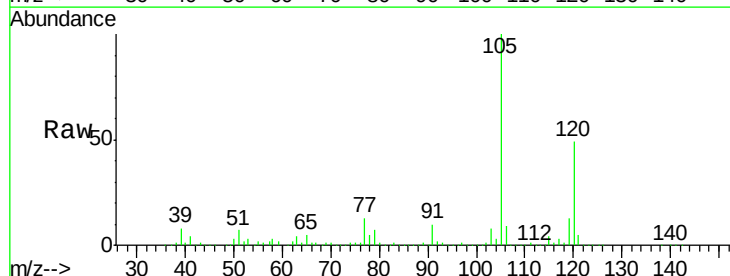
Acq: 03 Jun 2019 19:32

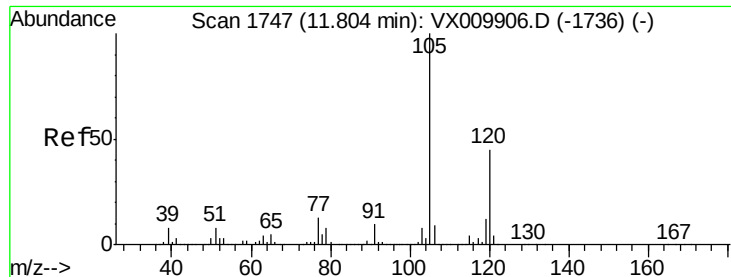
Tgt Ion:105 Resp: 342067

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.3

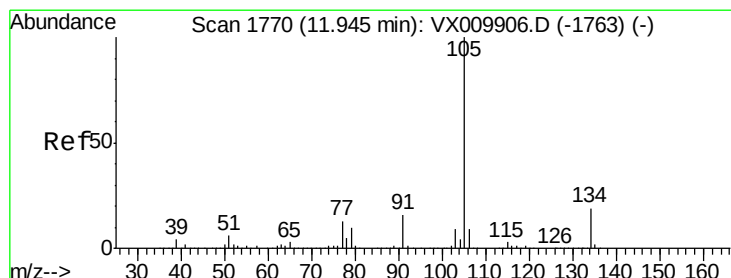
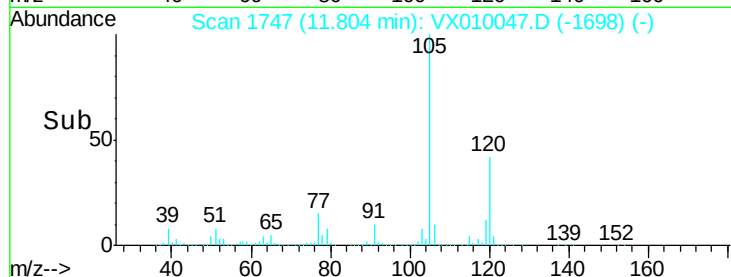
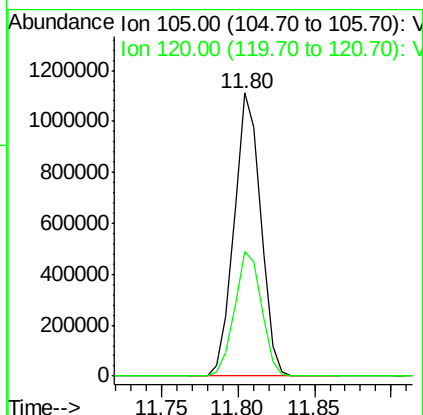
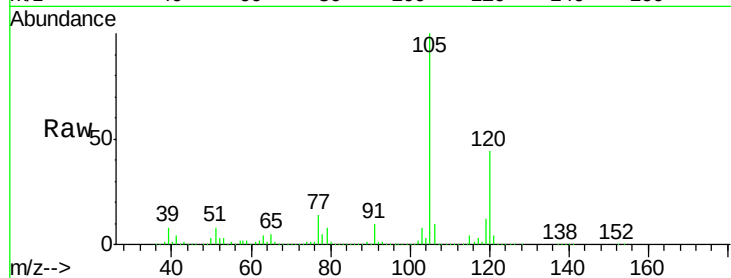




#84
 1,2,4-Trimethylbenzene
 Concen: 169.312 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010047.D
 Acq: 03 Jun 2019 19:32

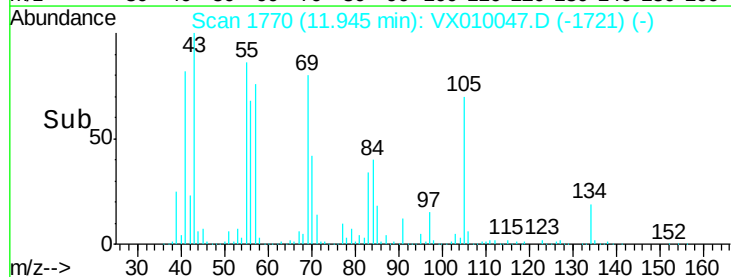
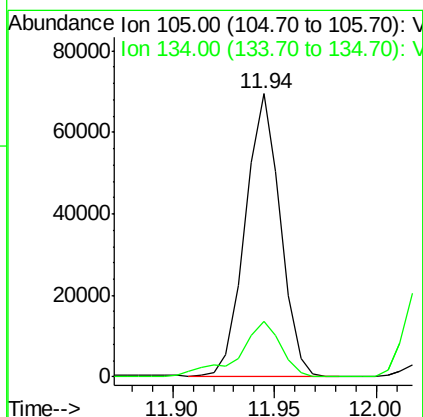
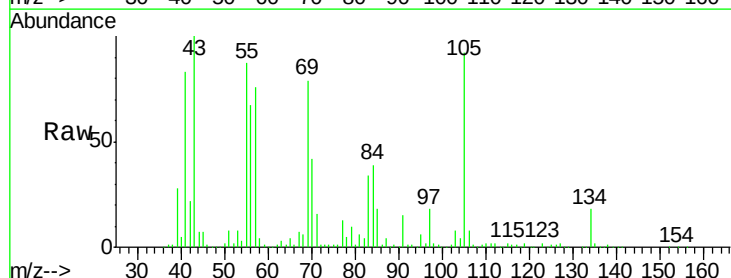
Instrument :
 MSVOA_X
 ClientSampled :
 13870

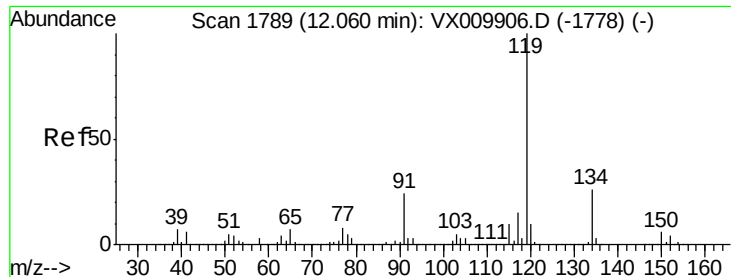
Tot Ion:105 Resp: 1335548
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 9.314 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010047.D
 Acq: 03 Jun 2019 19:32

Tgt Ion:105 Resp: 82344
 Ion Ratio Lower Upper
 105 100
 134 23.9 9.7 28.9

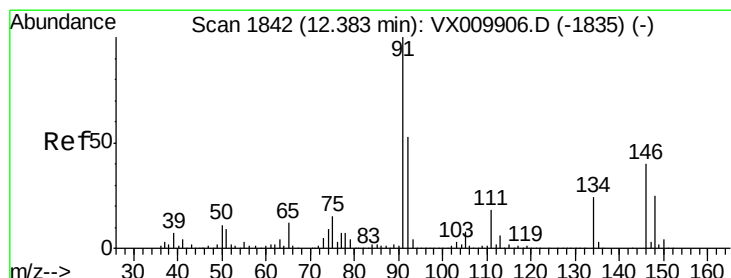
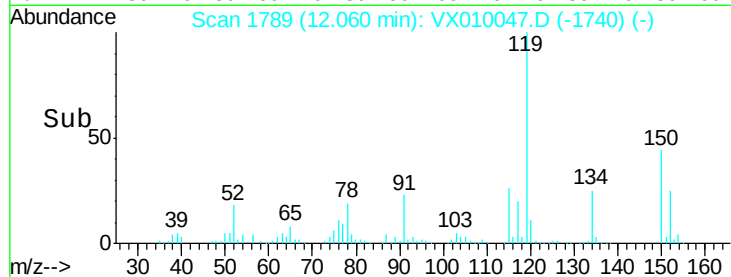
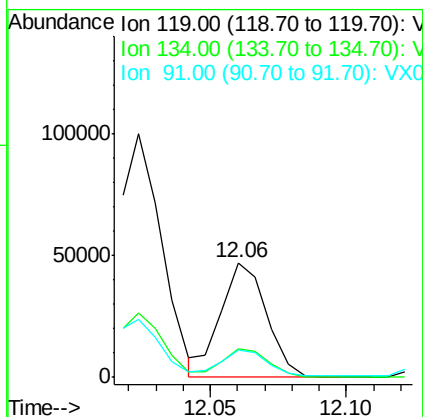
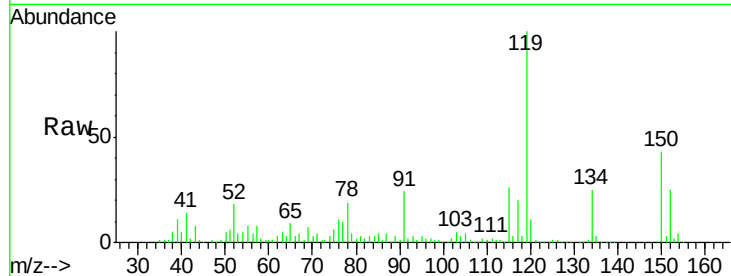




#86
p-Isopropyltoluene
Concen: 6.922 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

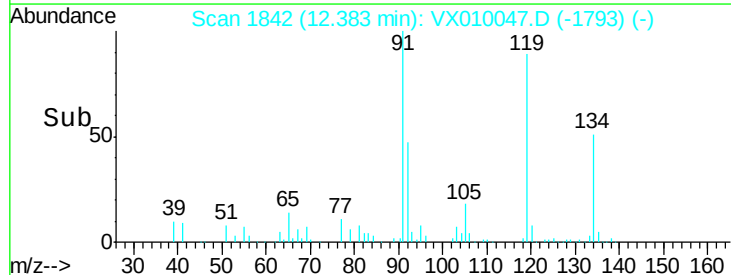
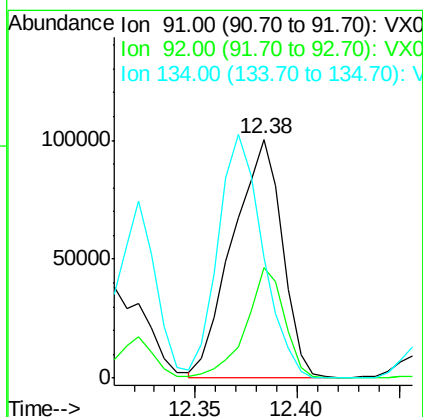
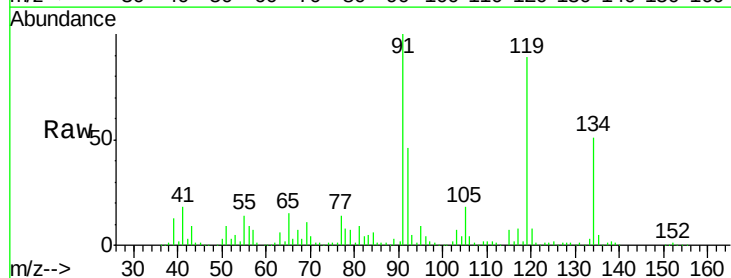
Instrument :
MSVOA_X
ClientSampled :
13870

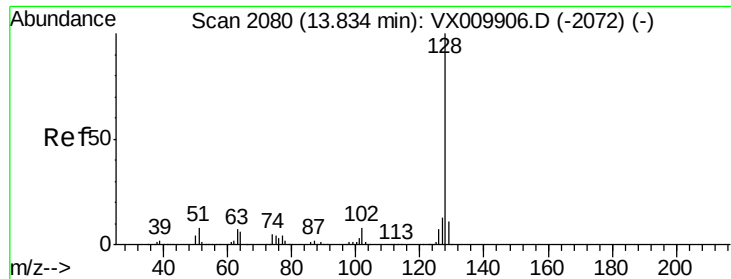
Tot Ion:119 Resp: 55042
Ion Ratio Lower Upper
119 100
134 26.0 12.9 38.6
91 23.5 11.9 35.9



#89
n-Butylbenzene
Concen: 22.488 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Tgt Ion: 91 Resp: 168054
Ion Ratio Lower Upper
91 100
92 36.1 26.3 78.8
134 92.1 12.3 36.8#

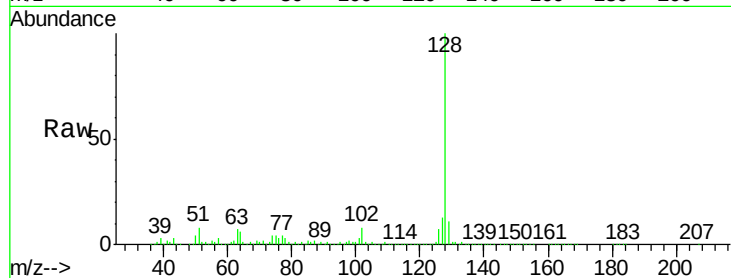




#95
Naphthalene
Concen: 52.586 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010047.D
Acq: 03 Jun 2019 19:32

Instrument :
MSVOA_X
ClientSampleId :
13870

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.7	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

