

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010206.D
 Acq On : 11 Jun 2019 03:27
 Operator : JC/SP
 Sample : K3279-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB03-20190607

Quant Time: Jun 11 06:20:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	402374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	357815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165472	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	118113	45.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.88%		
35) Dibromofluoromethane	5.50	113	122246	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.50%		
50) Toluene-d8	8.71	98	470213	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.10%		
62) 4-Bromofluorobenzene	11.13	95	160069	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.16%		

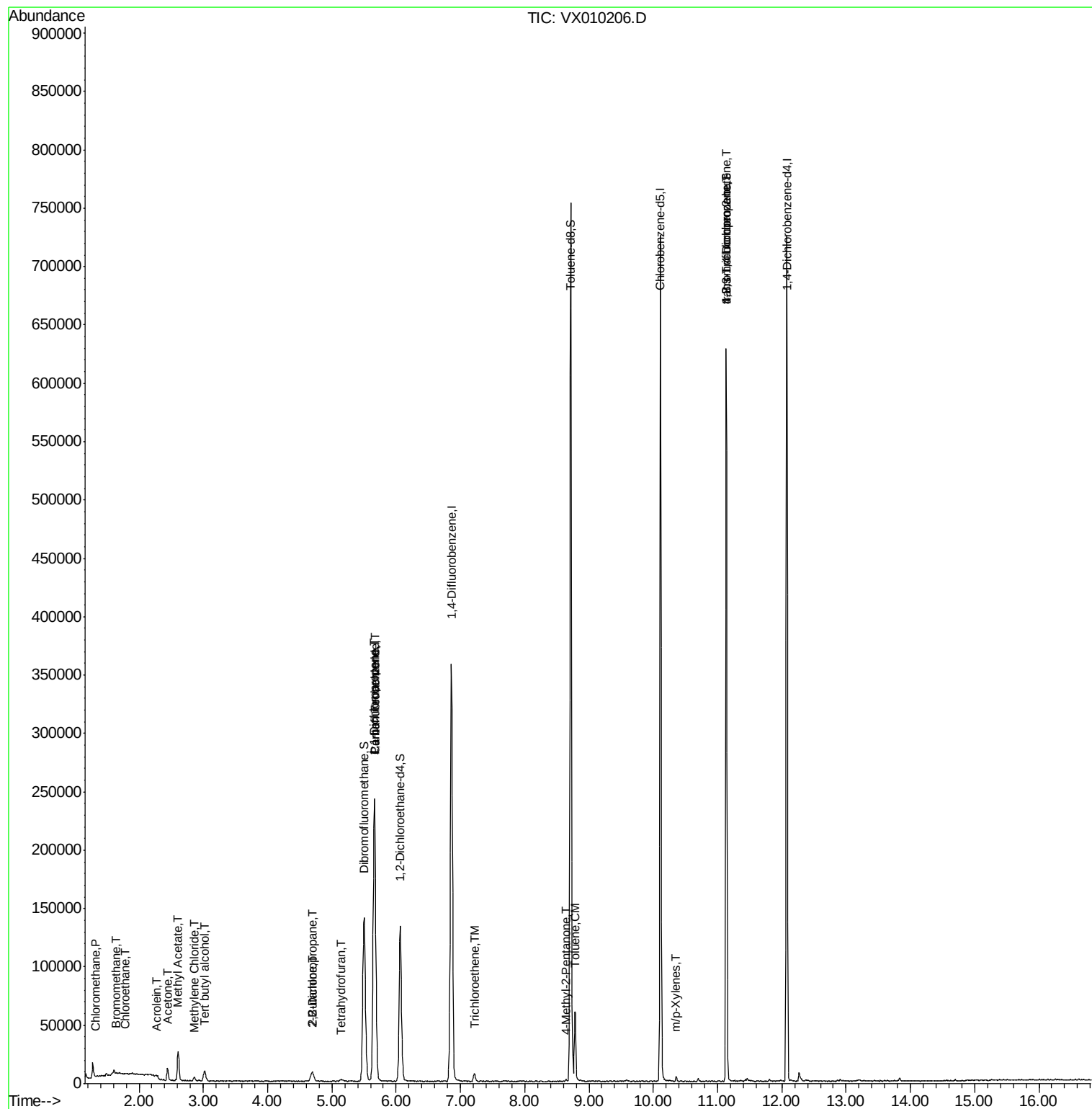
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	487	0.200	ug/l #	63
5) Bromomethane	1.65	94	520	0.603	ug/l	86
6) Chloroethane	1.78	64	602	0.522	ug/l #	43
11) Tert butyl alcohol	3.02	59	5484	8.613	ug/l #	83
13) Acrolein	2.28	56	71	0.612	ug/l #	1
16) Acetone	2.44	43	10515	8.602	ug/l	96
18) Methyl Acetate	2.61	43	6058	2.253	ug/l #	57
20) Methylene Chloride	2.85	84	1582	0.589	ug/l #	73
25) 2-Butanone	4.68	43	1057	0.581	ug/l #	71
26) 2,2-Dichloropropane	4.70	77	778	0.203	ug/l #	53
29) Tetrahydrofuran	5.15	42	1736	1.517	ug/l #	89
36) 1,1-Dichloropropene	5.65	75	15793	4.811	ug/l #	52
38) Carbon Tetrachloride	5.66	117	22447	6.041	ug/l #	15
44) Trichloroethene	7.21	130	3039	0.993	ug/l	82
51) 4-Methyl-2-Pentanone	8.64	43	1042	0.305	ug/l #	72
52) Toluene	8.79	92	23497	3.521	ug/l	99
68) m/p-Xylenes	10.36	106	991	0.204	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	72673	21.957	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72673	48.513	ug/l #	10

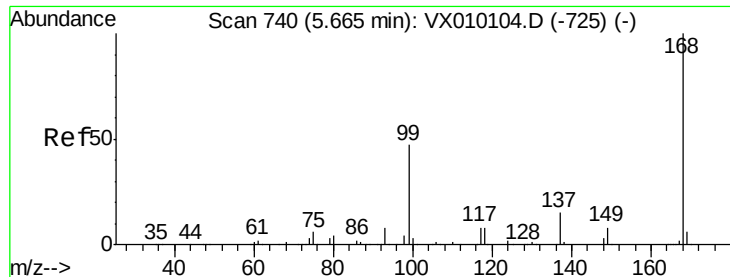
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

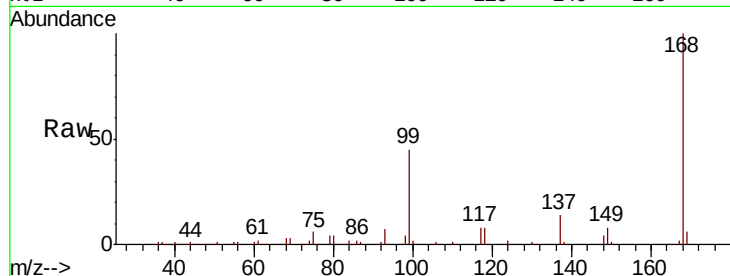
BP-EB03-20190607

Tot Ion:168 Resp: 266265

Ion Ratio Lower Upper

168 100

99 44.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

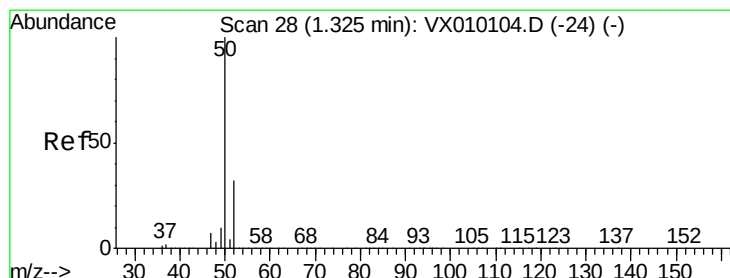
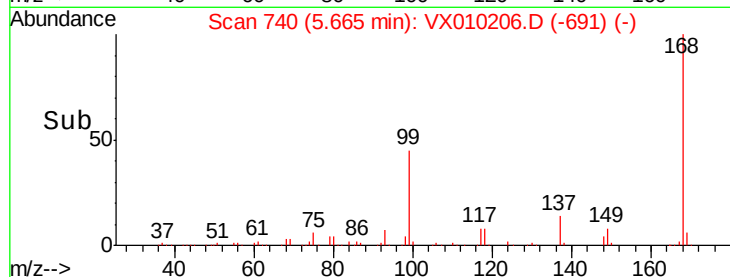
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010206.D

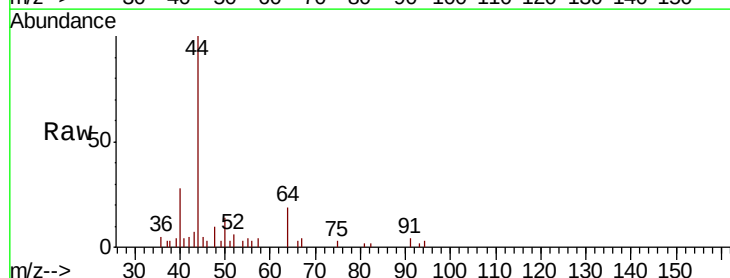
Acq: 11 Jun 2019 03:27

Tgt Ion: 50 Resp: 487

Ion Ratio Lower Upper

50 100

52 53.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

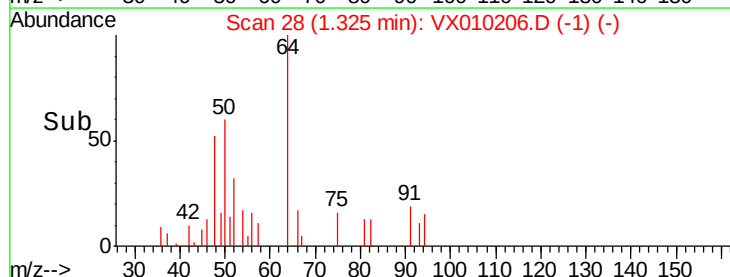
300

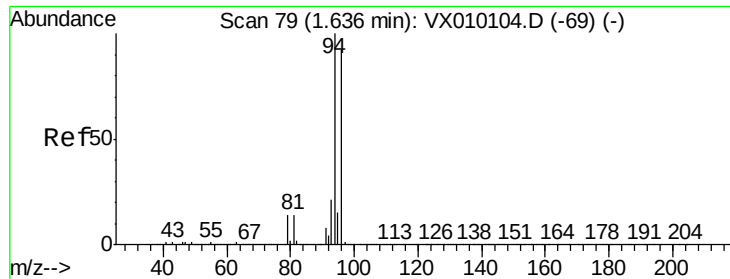
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.603 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

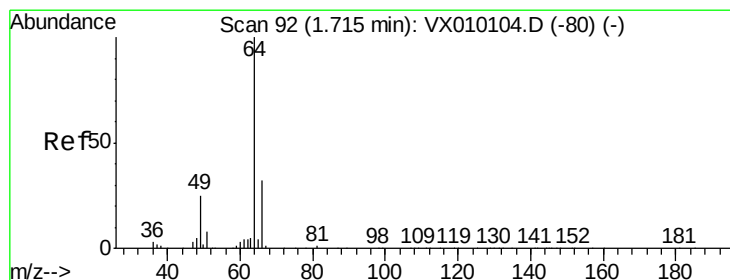
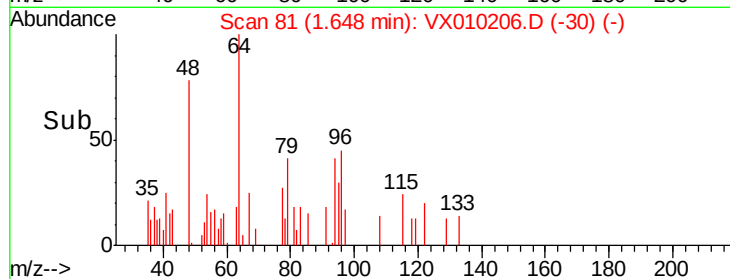
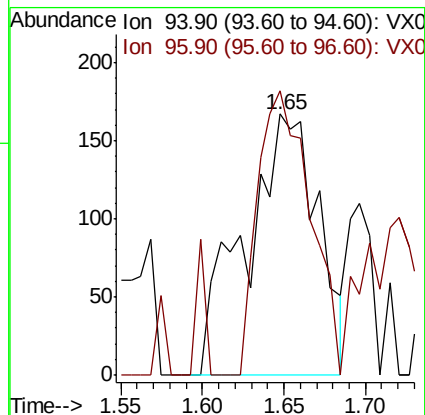
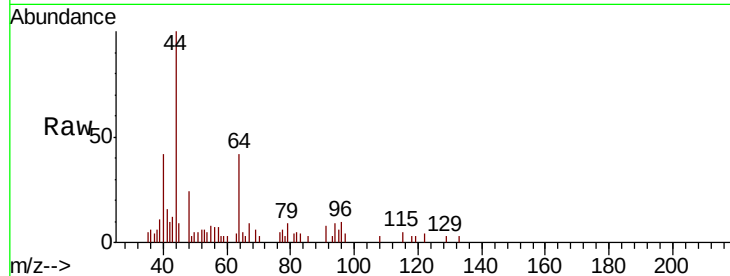
BP-EB03-20190607

Tot Ion: 94 Resp: 520

Ion Ratio Lower Upper

94 100

96 109.0 76.2 114.4



#6

Chloroethane

Concen: 0.522 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX010206.D

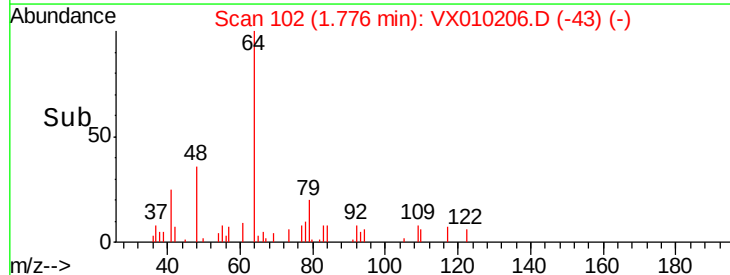
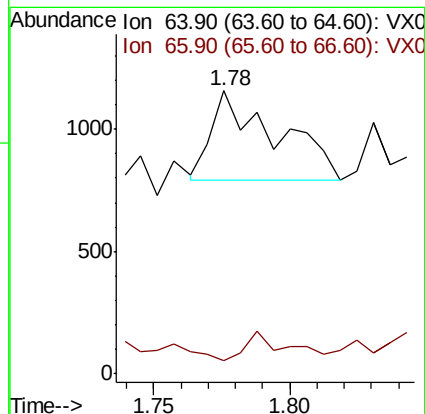
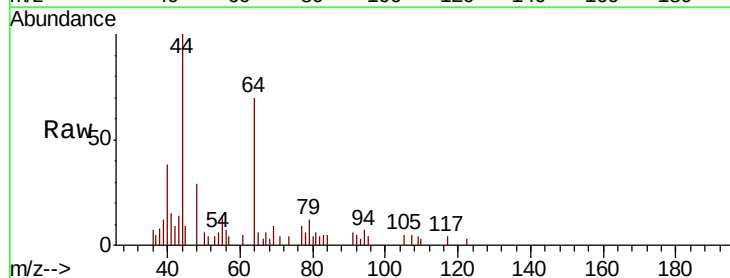
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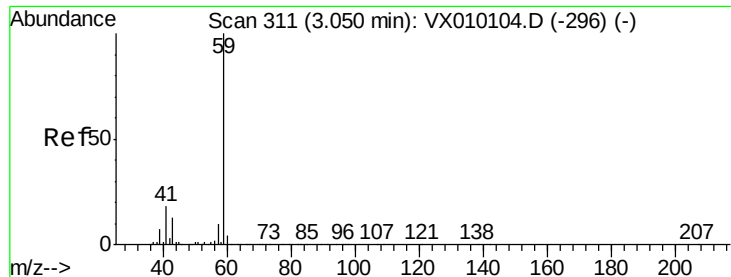
Tgt Ion: 64 Resp: 602

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

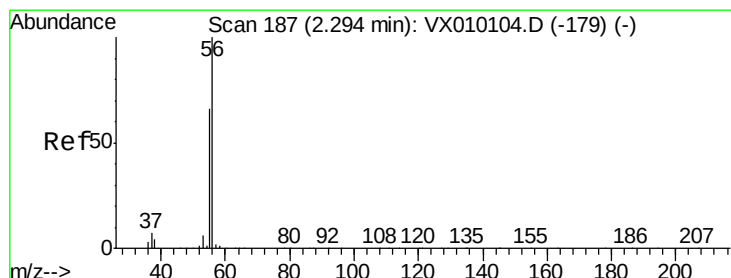
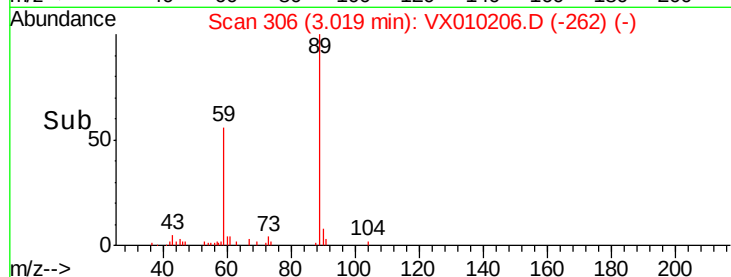
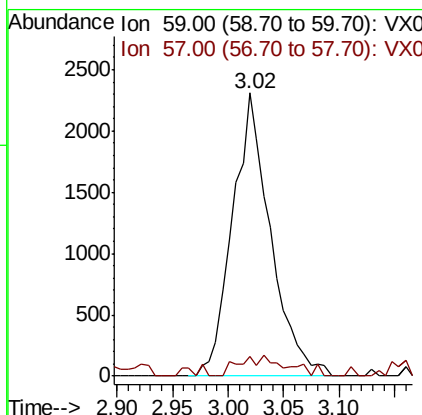
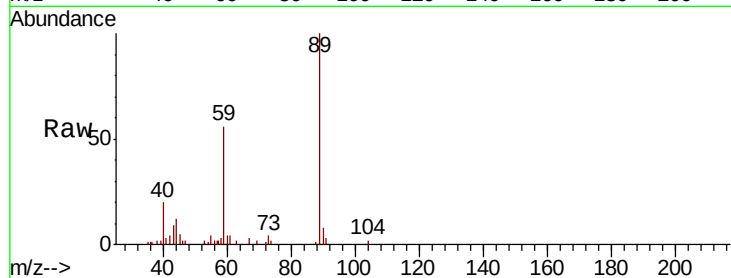




#11
Tert butyl alcohol
Concen: 8.613 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

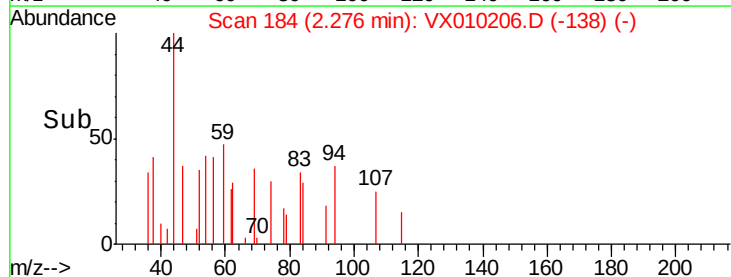
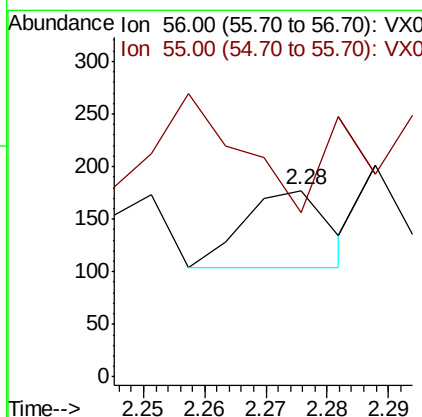
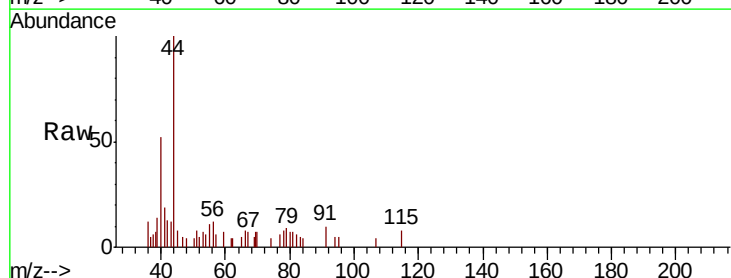
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190607

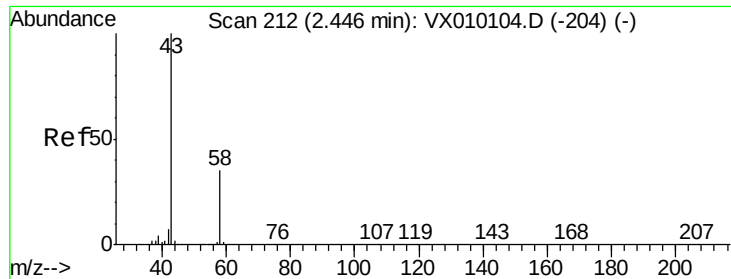
Tot Ion: 59 Resp: 5484
Ion Ratio Lower Upper
59 100
57 3.7 8.2 12.2#



#13
Acrolein
Concen: 0.612 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 204.2 57.0 85.4#





#16

Acetone

Concen: 8.602 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

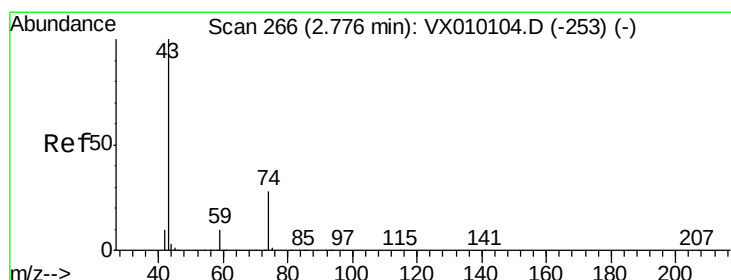
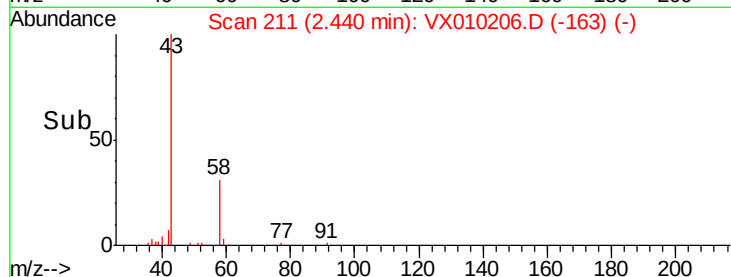
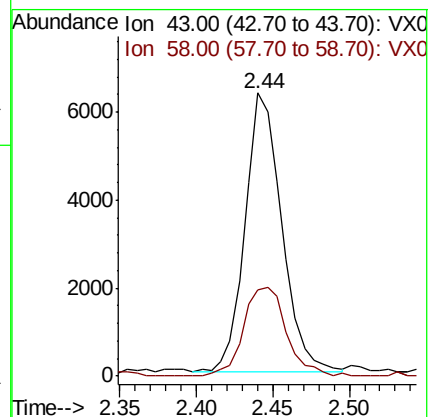
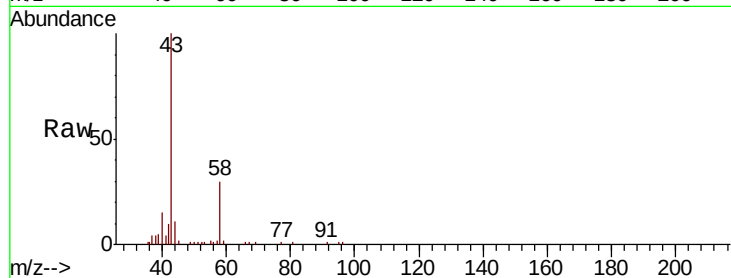
BP-EB03-20190607

Tot Ion: 43 Resp: 10515

Ion Ratio Lower Upper

43 100

58 31.0 23.2 34.8



#18

Methyl Acetate

Concen: 2.253 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.16 min

Lab File: VX010206.D

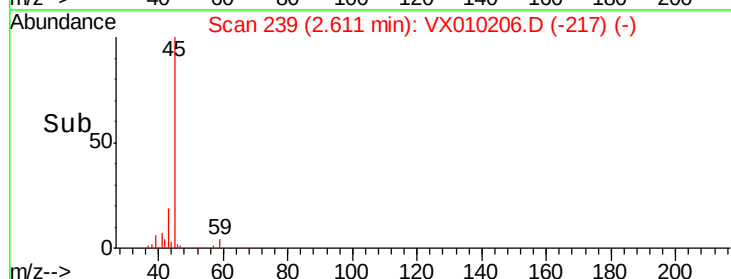
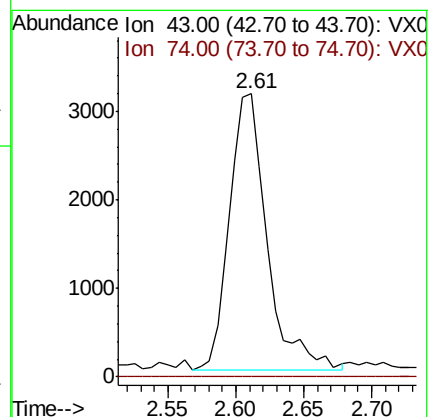
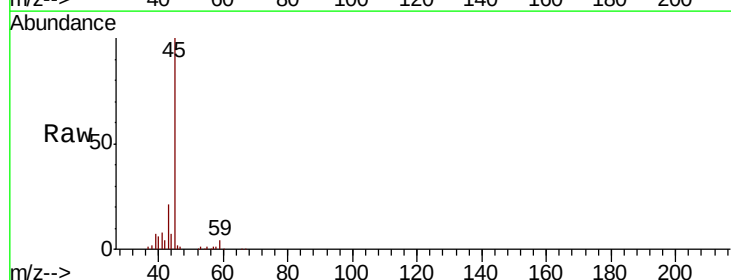
Acq: 11 Jun 2019 03:27

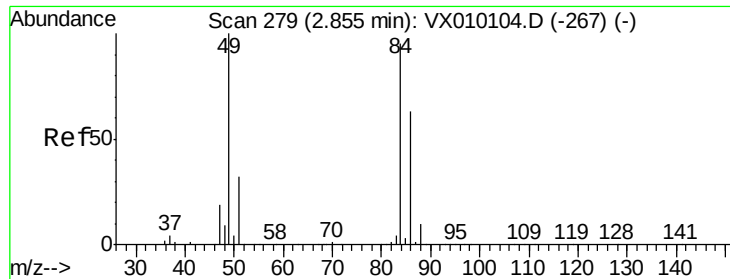
Tgt Ion: 43 Resp: 6058

Ion Ratio Lower Upper

43 100

74 0.0 15.8 23.6#

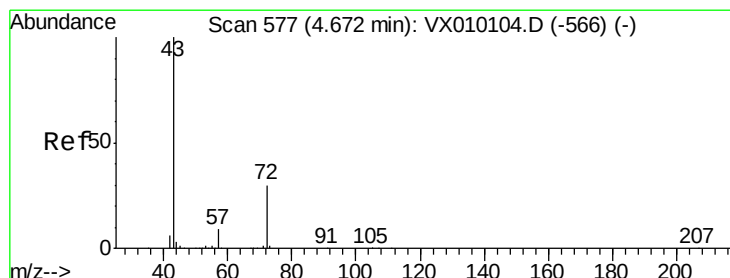
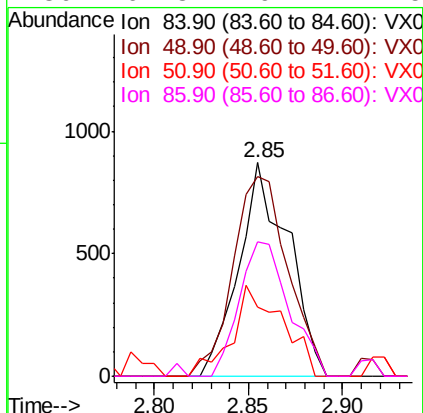
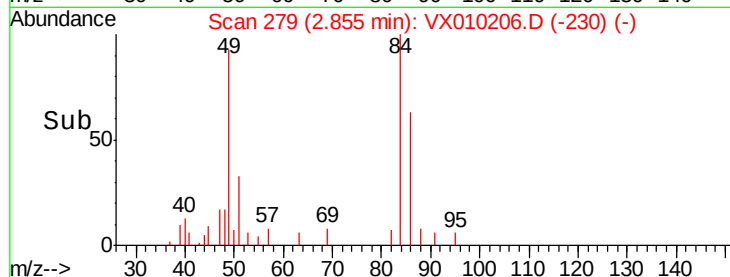
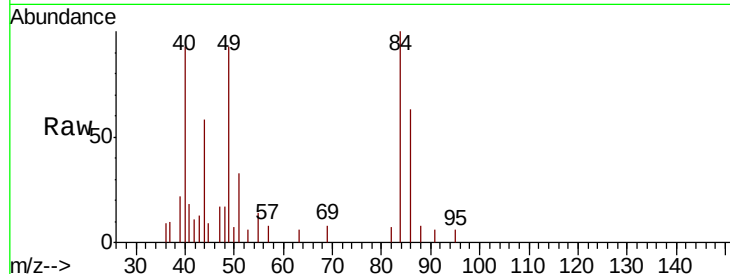




#20
Methvlene Chloride
Concen: 0.589 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

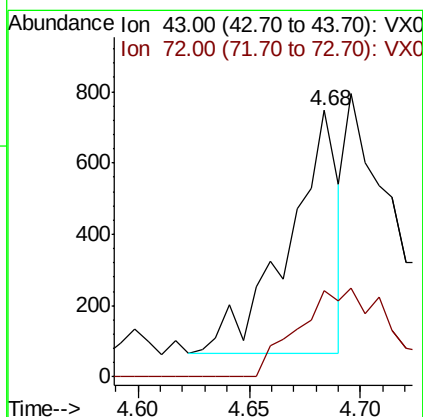
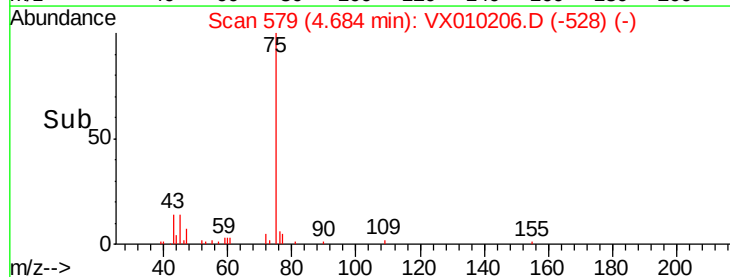
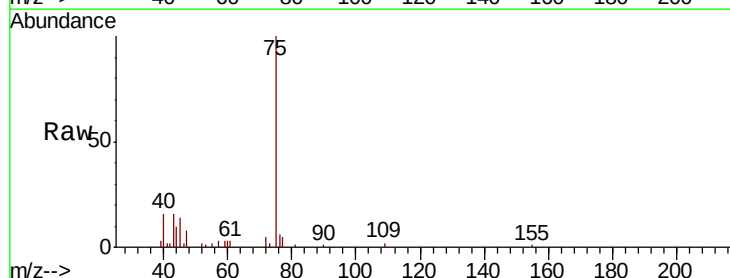
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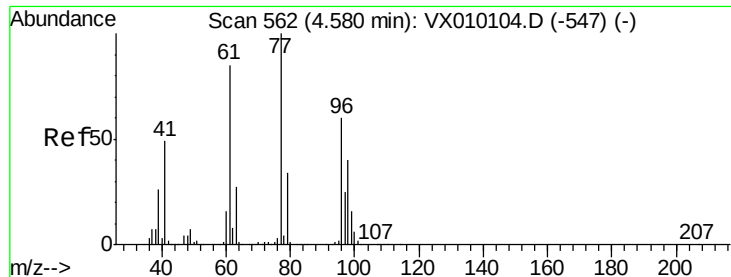
Tot Ion: 84 Resp: 1582
Ion Ratio Lower Upper
84 100
49 93.5 115.8 173.6#
51 32.7 34.4 51.6#
86 62.8 49.7 74.5



#25
2-Butanone
Concen: 0.581 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

Tgt Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
72 35.6 17.5 26.3#





#26

2,2-Dichloropropane

Concen: 0.203 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.12 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

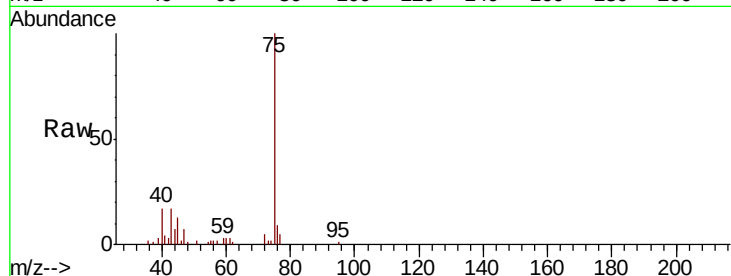
BP-EB03-20190607

Tot Ion: 77 Resp: 778

Ion Ratio Lower Upper

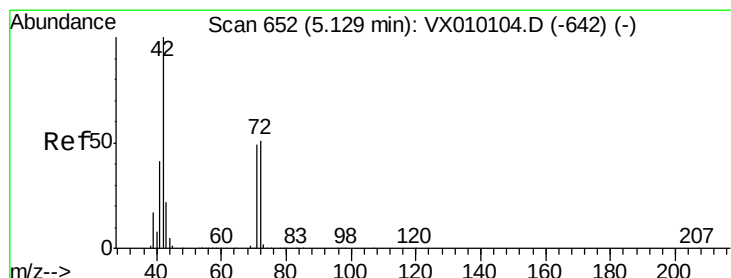
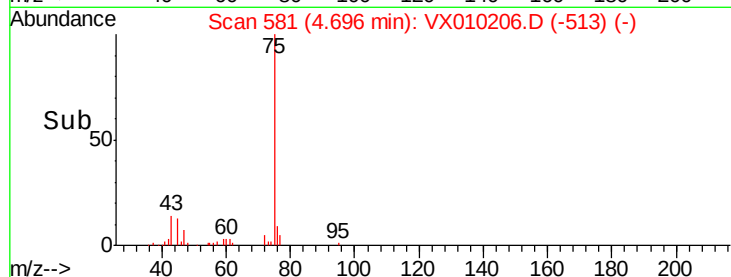
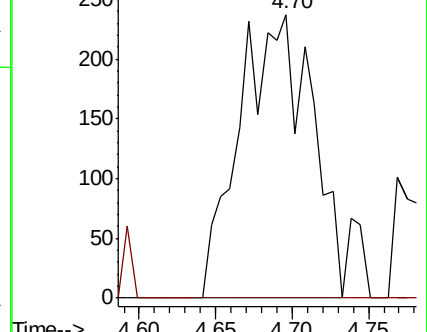
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 1.517 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

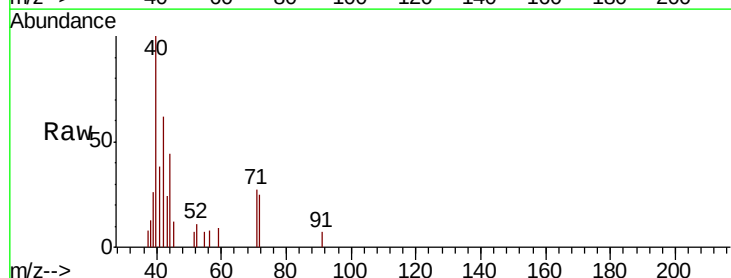
Tgt Ion: 42 Resp: 1736

Ion Ratio Lower Upper

42 100

72 42.1 29.2 43.8

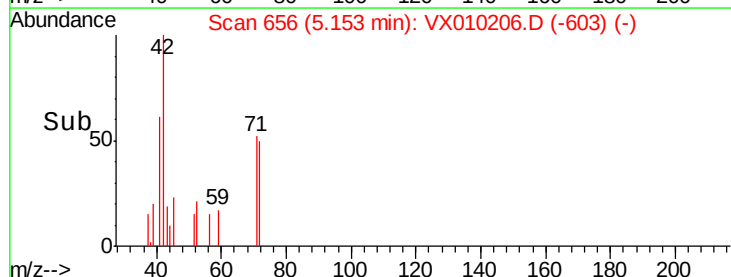
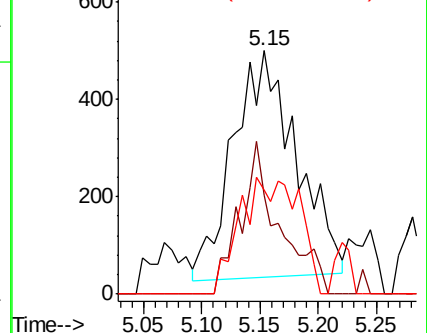
71 26.7 27.6 41.4#

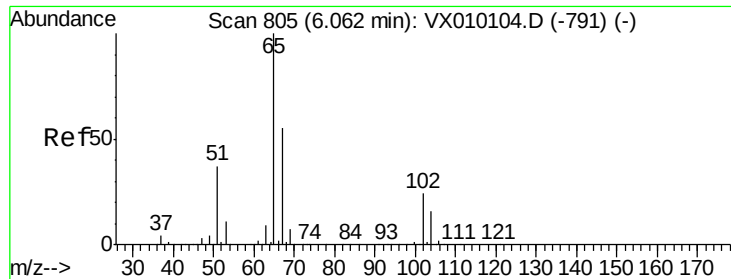


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

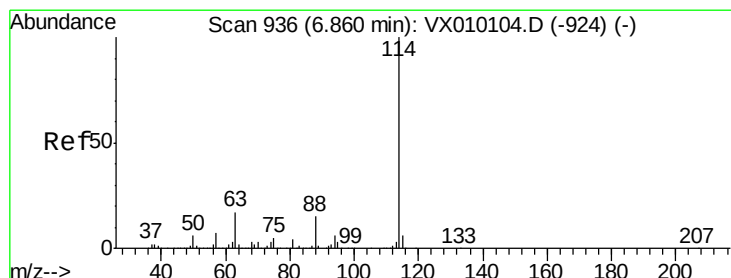
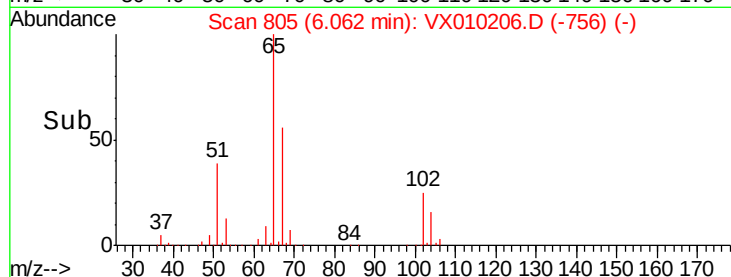
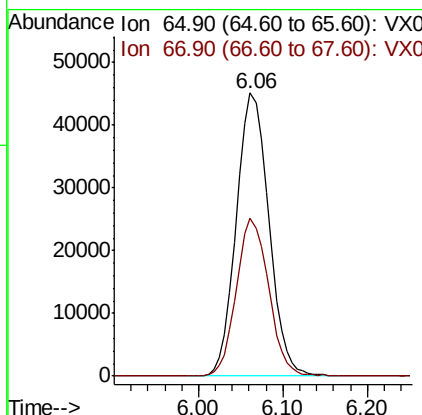
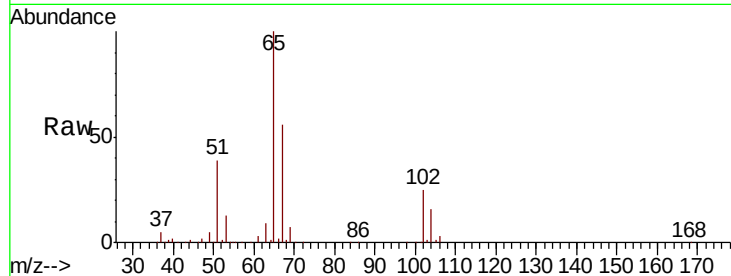




#33
 1,2-Dichloroethane-d4
 Concen: 45.445 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010206.D
 Acq: 11 Jun 2019 03:27

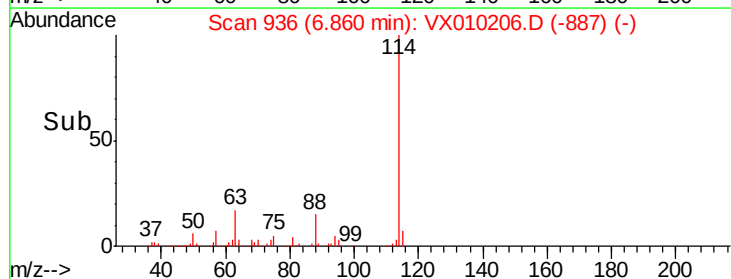
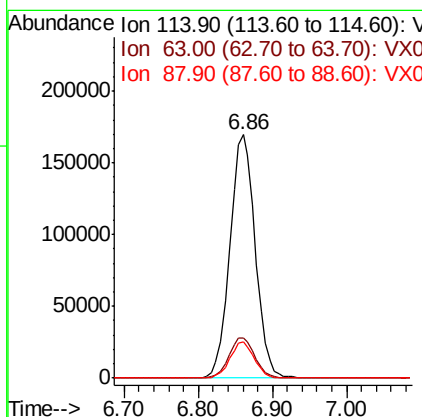
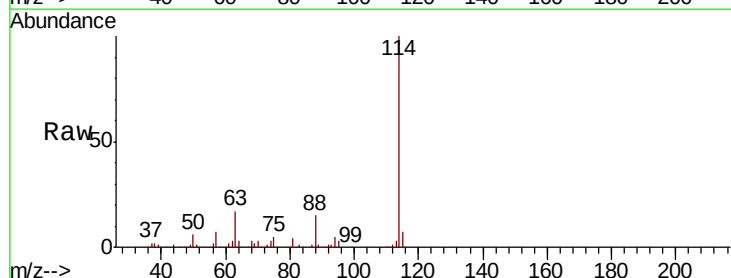
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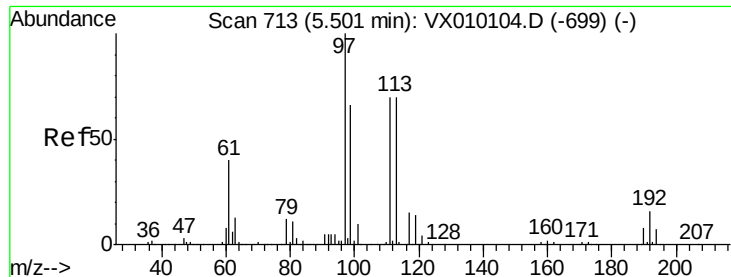
Tot Ion: 65 Resp: 118113
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010206.D
 Acq: 11 Jun 2019 03:27

Tgt Ion: 114 Resp: 402374
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 47.4
 88 14.8 0.0 33.0

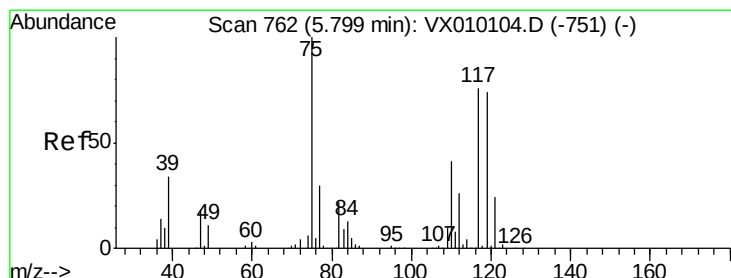
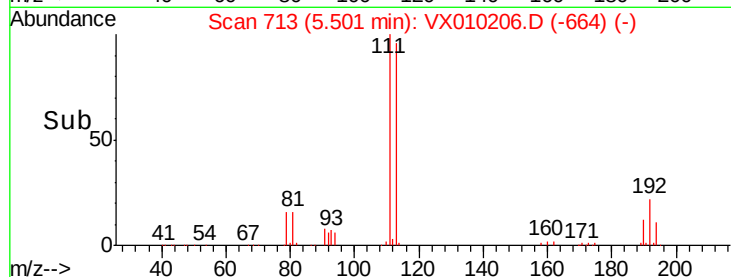
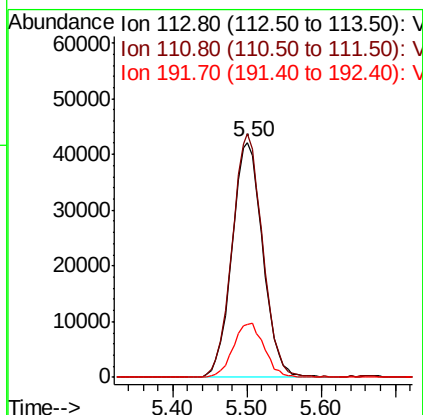
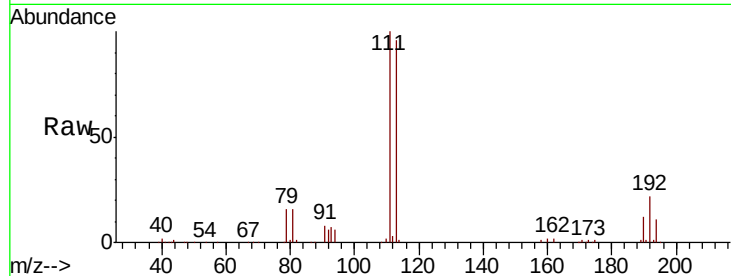




#35
Dibromofluoromethane
Concen: 49.254 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

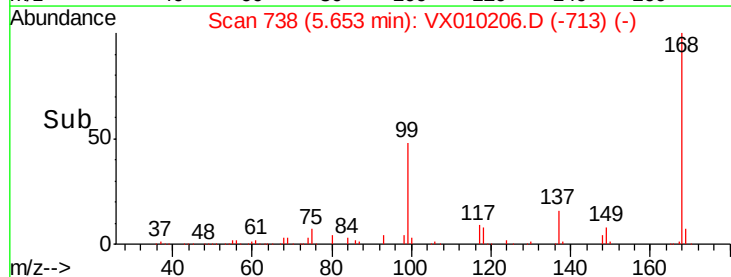
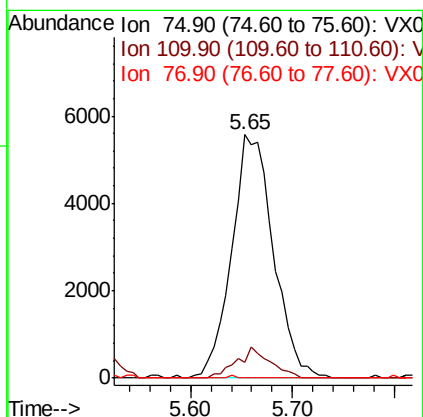
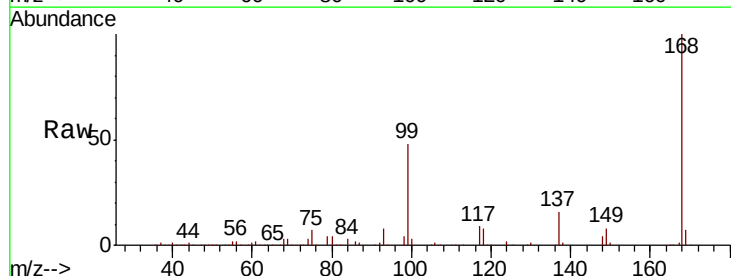
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190607

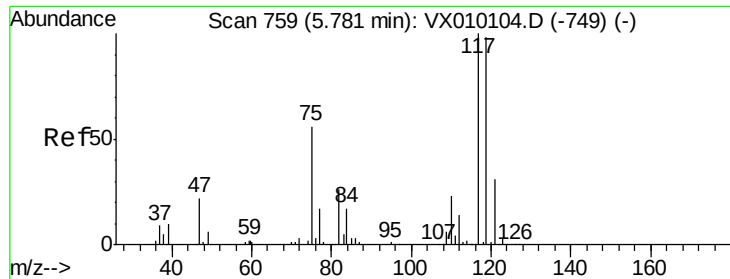
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	23.1	17.1	25.7



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	16.7	50.1#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190607

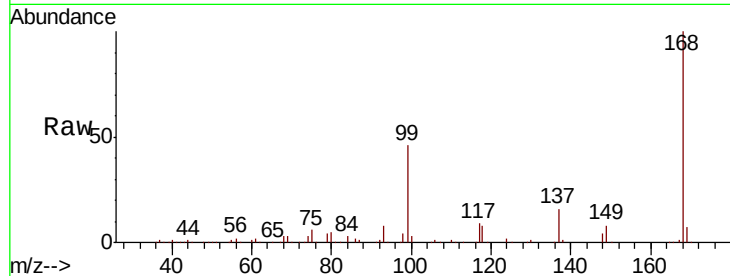
Tot Ion:117 Resp: 22447

Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

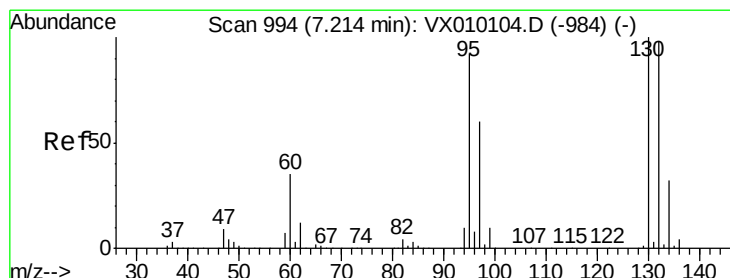
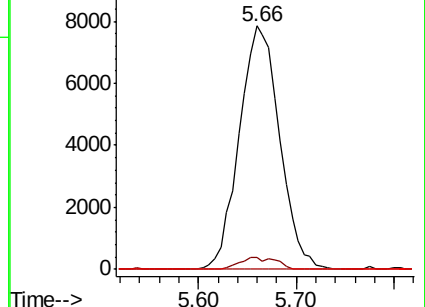
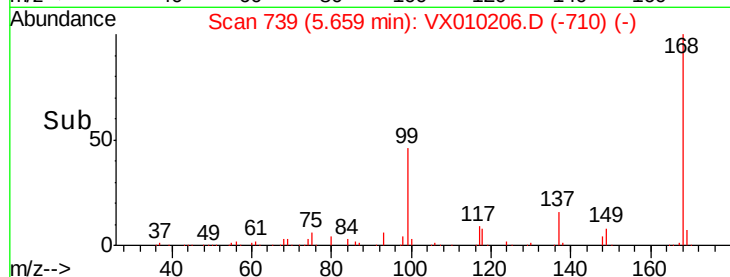
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.993 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010206.D

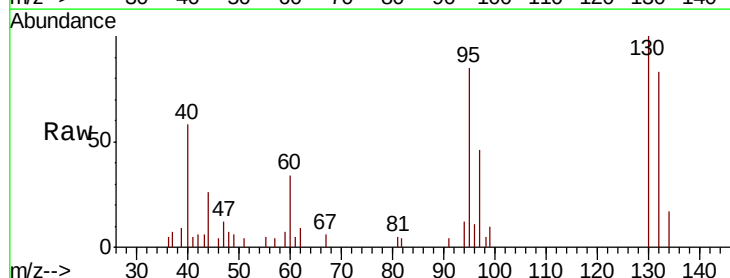
Acq: 11 Jun 2019 03:27

Tgt Ion:130 Resp: 3039

Ion Ratio Lower Upper

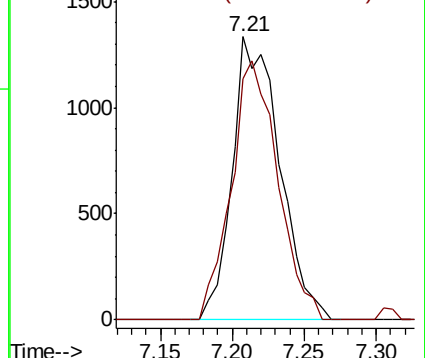
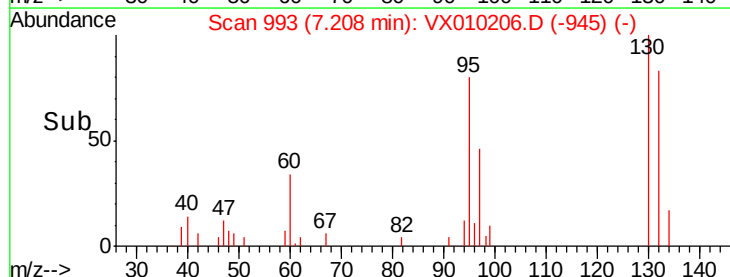
130 100

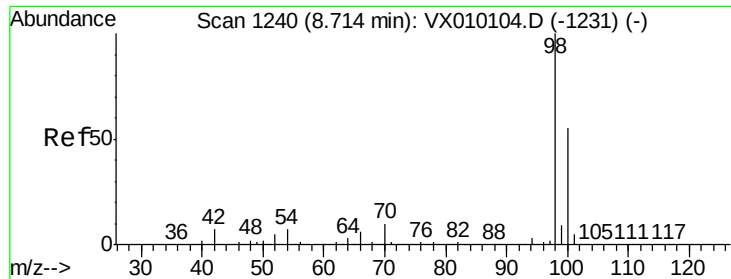
95 85.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.550 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

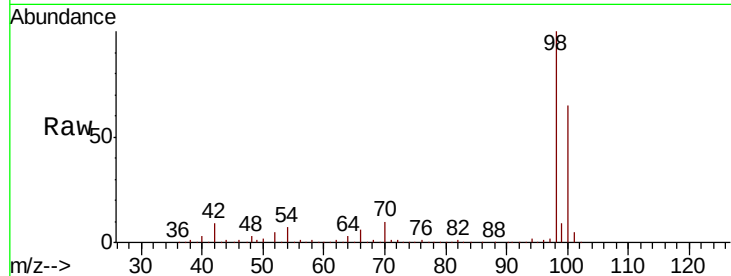
BP-EB03-20190607

Tot Ion: 98 Resp: 470213

Ion Ratio Lower Upper

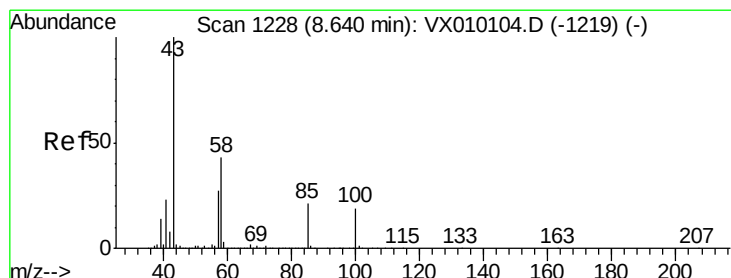
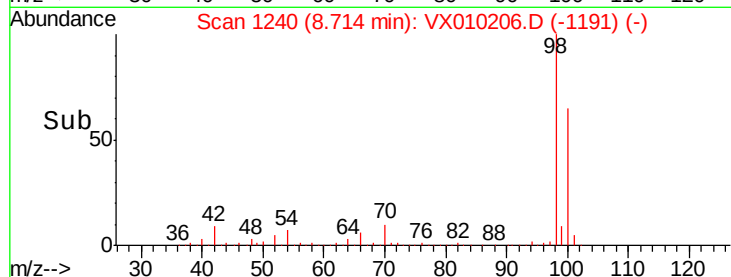
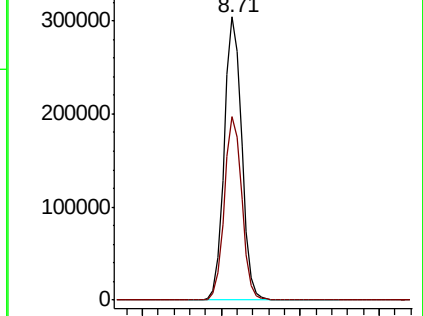
98 100

100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.305 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010206.D

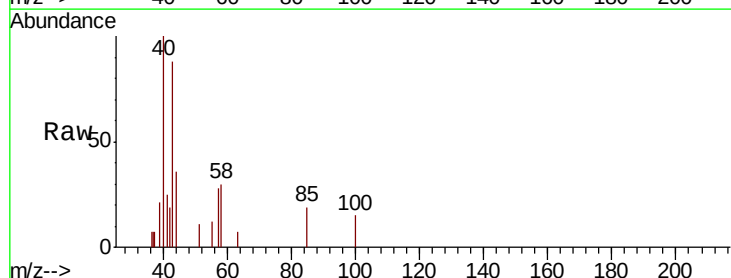
Acq: 11 Jun 2019 03:27

Tgt Ion: 43 Resp: 1042

Ion Ratio Lower Upper

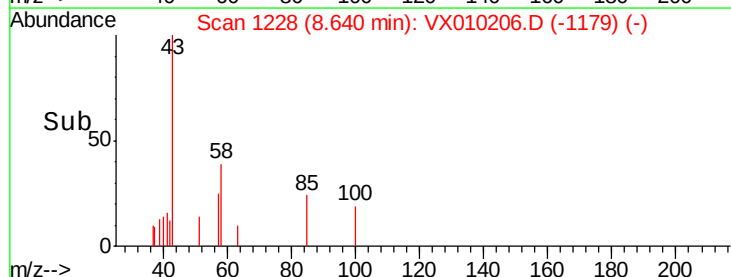
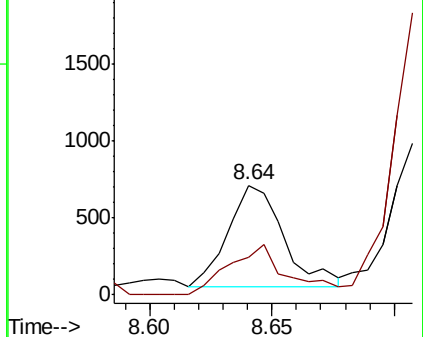
43 100

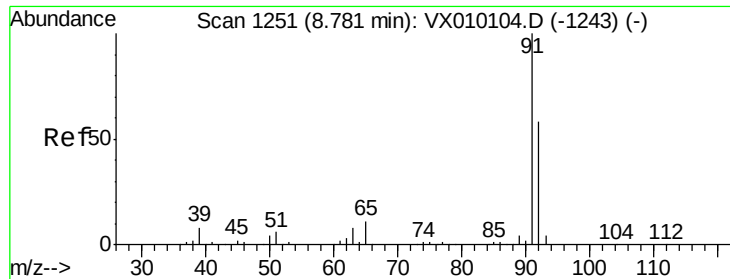
58 52.2 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 3.521 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

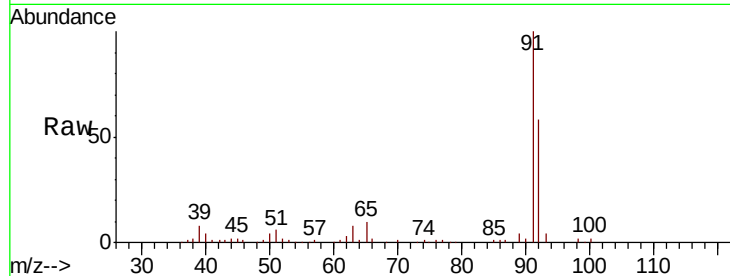
BP-EB03-20190607

Tot Ion: 92 Resp: 23497

Ion Ratio Lower Upper

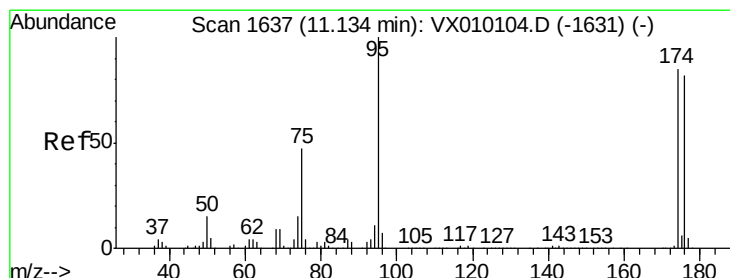
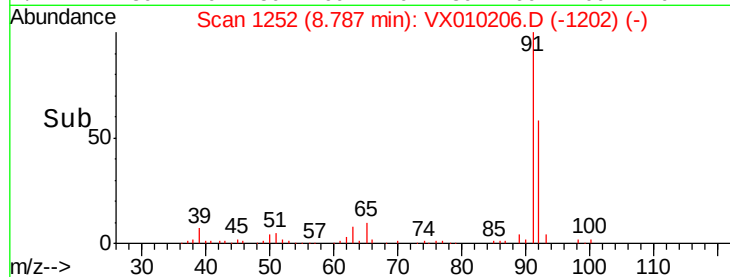
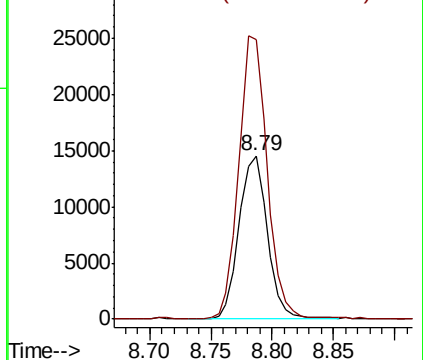
92 100

91 173.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.078 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

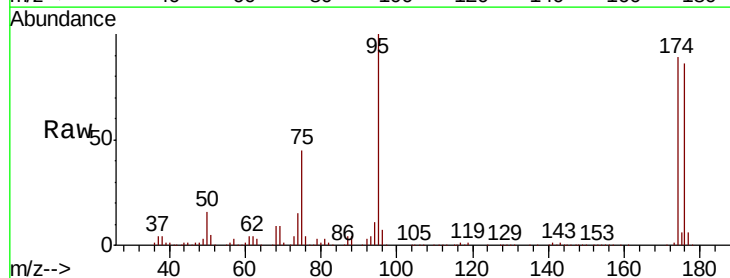
Tgt Ion: 95 Resp: 160069

Ion Ratio Lower Upper

95 100

174 93.5 0.0 160.4

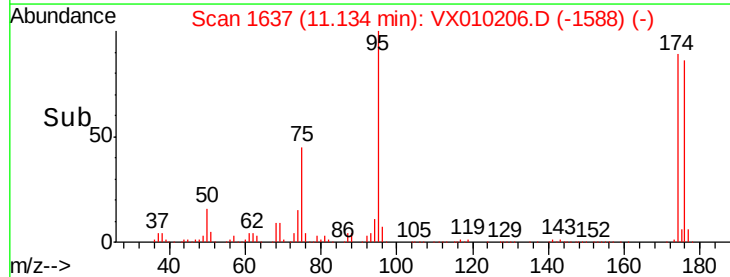
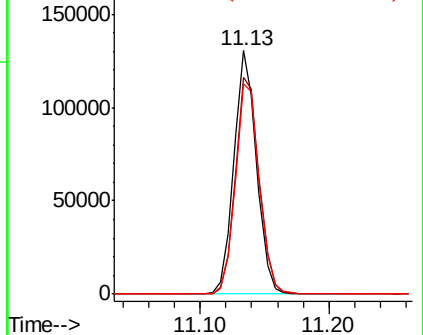
176 90.8 0.0 154.6

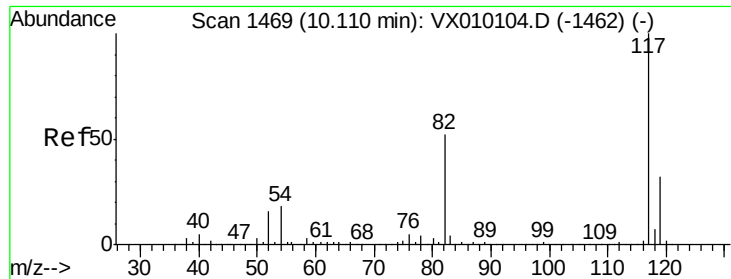


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

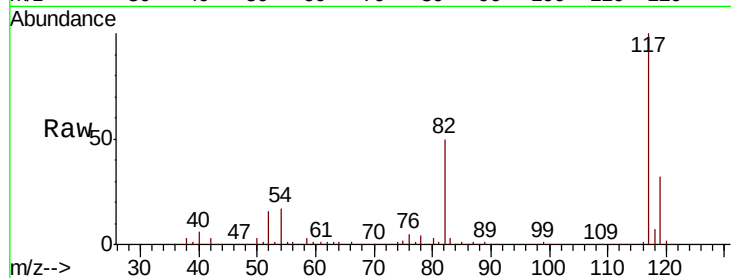




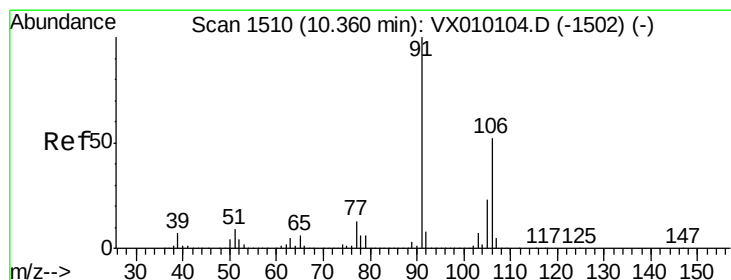
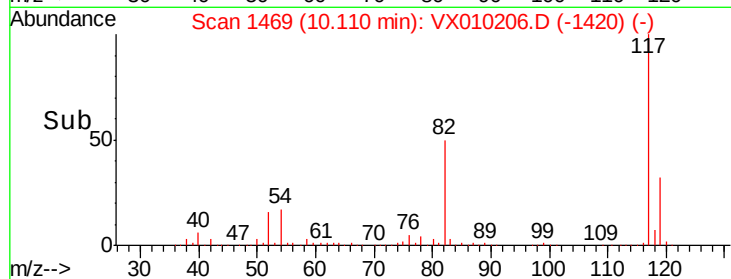
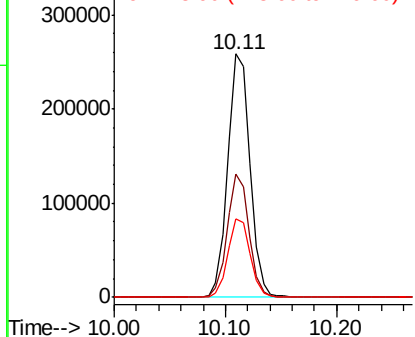
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190607

Tot Ion:117 Resp: 357815
Ion Ratio Lower Upper
117 100
82 50.4 49.2 73.8
119 32.5 25.2 37.8

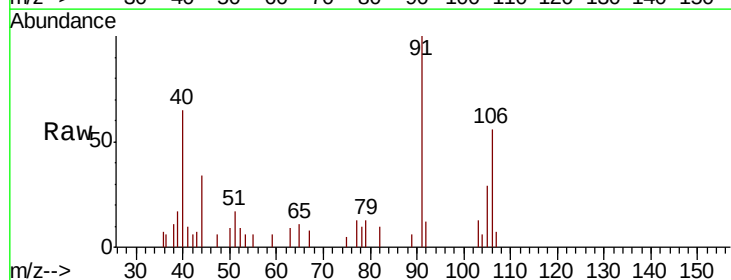


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

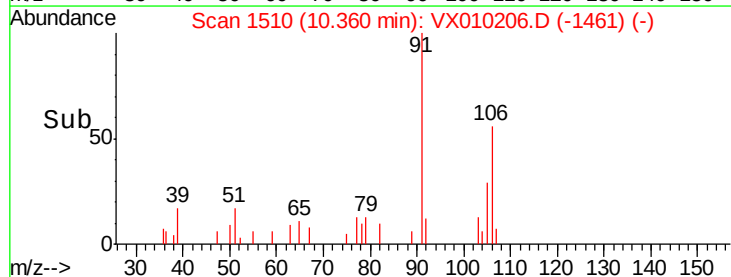
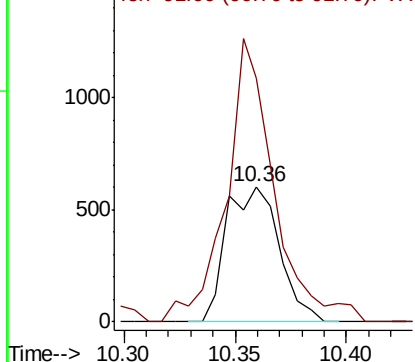


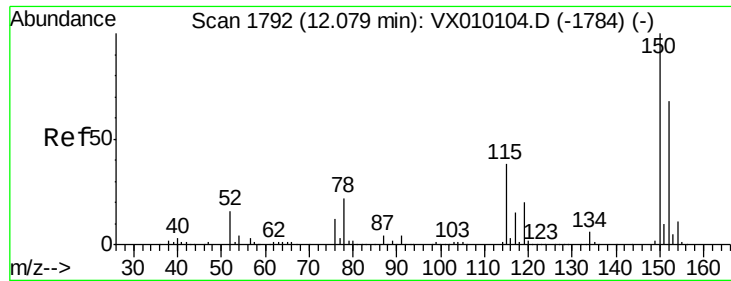
#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010206.D
Acq: 11 Jun 2019 03:27

Tgt Ion:106 Resp: 991
Ion Ratio Lower Upper
106 100
91 191.2 167.3 250.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190607

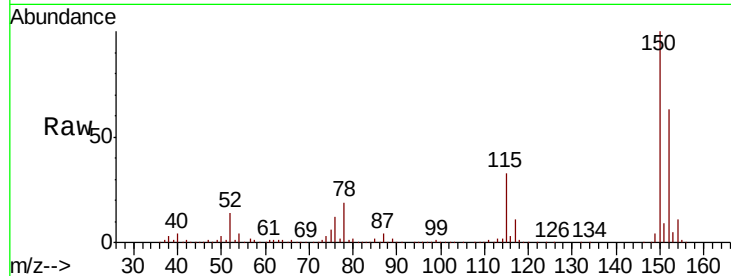
Tot Ion:152 Resp: 165472

Ion Ratio Lower Upper

152 100

115 53.6 41.4 124.2

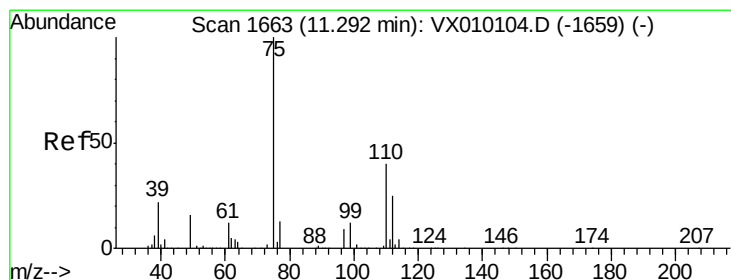
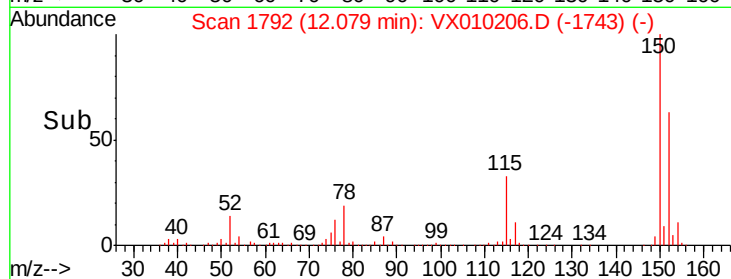
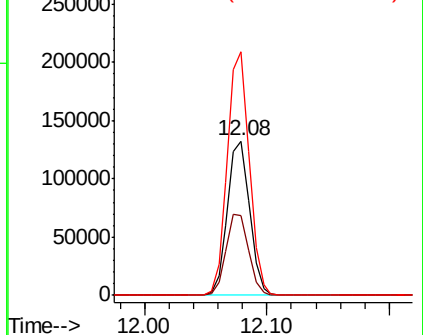
150 156.7 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 21.957 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010206.D

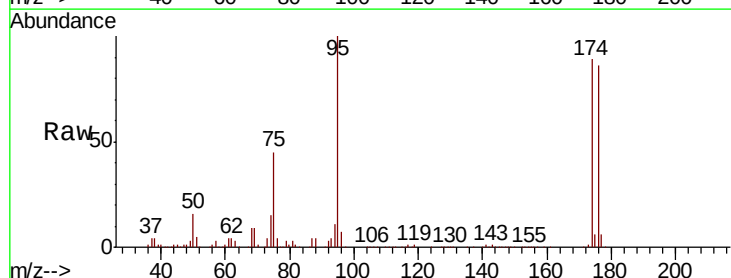
Acq: 11 Jun 2019 03:27

Tgt Ion: 75 Resp: 72673

Ion Ratio Lower Upper

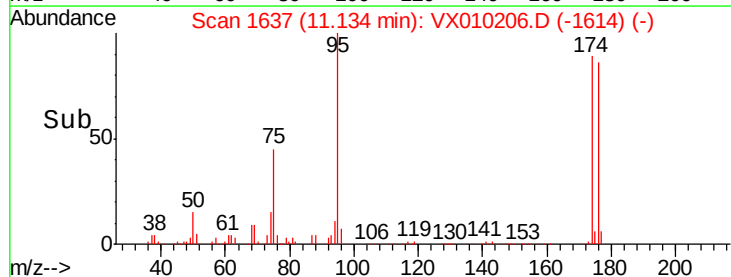
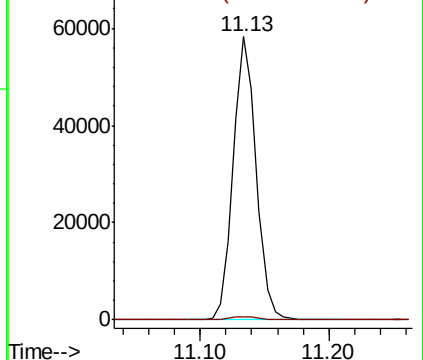
75 100

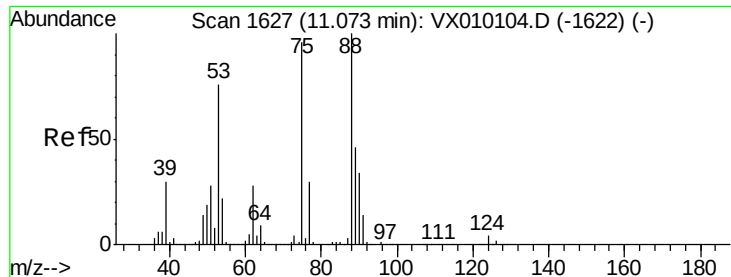
77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.513 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010206.D

Acq: 11 Jun 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190607

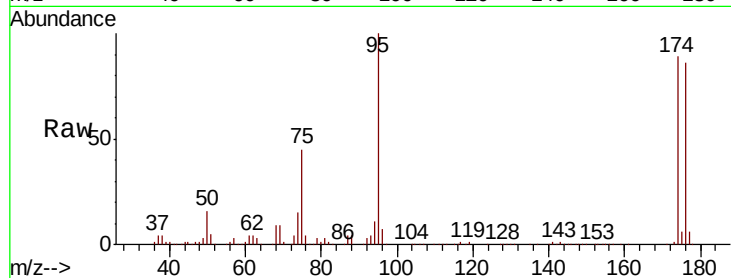
Tot Ion: 75 Resp: 72673

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

