

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030519\
 Data File : VX007832.D
 Acq On : 05 Mar 2019 13:01
 Operator : JC/SP
 Sample : K1719-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190301

Quant Time: Mar 05 13:21:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	494072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	463403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221759	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	174293	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	5.50	113	160899	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.71	98	595089	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	217831	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

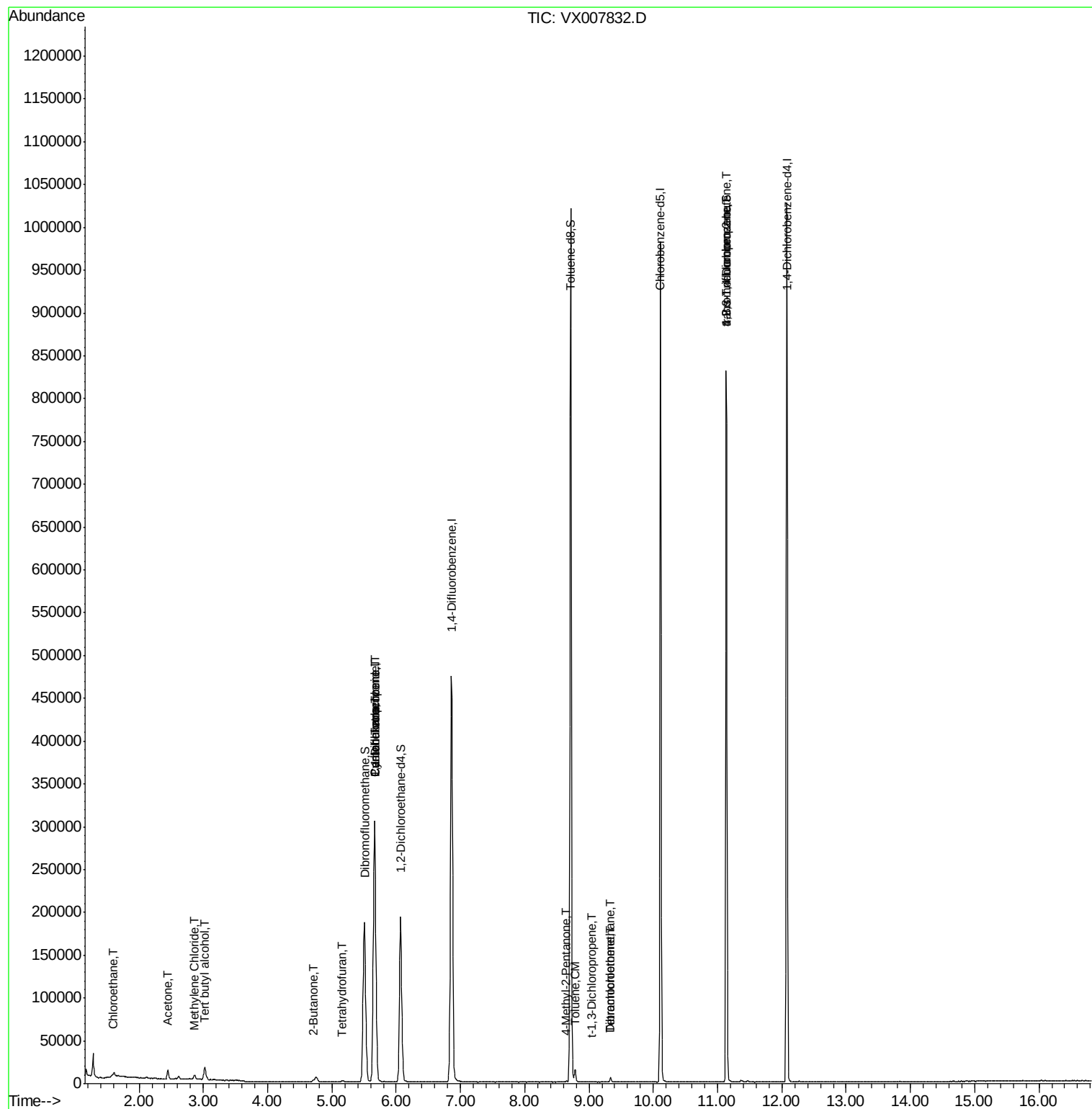
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	323	Below Cal	#	48
6) Chloroethane	1.59	64	7433	3.494	ug/l #	57
11) Tert butyl alcohol	3.03	59	8689	11.628	ug/l #	76
16) Acetone	2.45	43	11485	6.557	ug/l	98
20) Methylene Chloride	2.86	84	2332	0.721	ug/l #	85
25) 2-Butanone	4.71	43	3510	1.316	ug/l #	79
29) Tetrahydrofuran	5.17	42	1525	0.867	ug/l #	59
31) Cyclohexane	5.66	56	4992	0.912	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19953	4.492	ug/l #	47
38) Carbon Tetrachloride	5.67	117	26681	5.980	ug/l #	17
51) 4-Methyl-2-Pentanone	8.65	43	1177	0.232	ug/l	96
52) Toluene	8.78	92	4687	0.542	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	22	2.807	ug/l #	43
60) Dibromochloromethane	9.34	129	837	0.241	ug/l #	12
64) Tetrachloroethene	9.34	164	993	0.264	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	99968	21.149	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	99968	56.271	ug/l #	9

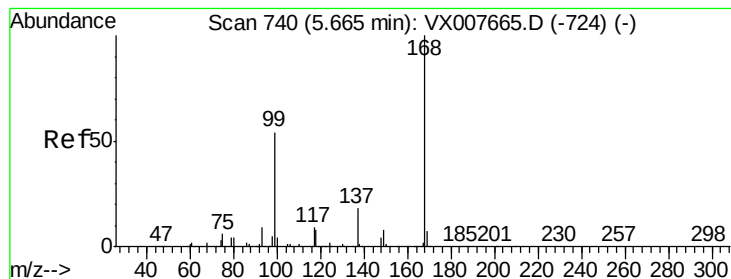
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
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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: VX007832.D

Acq: 05 Mar 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

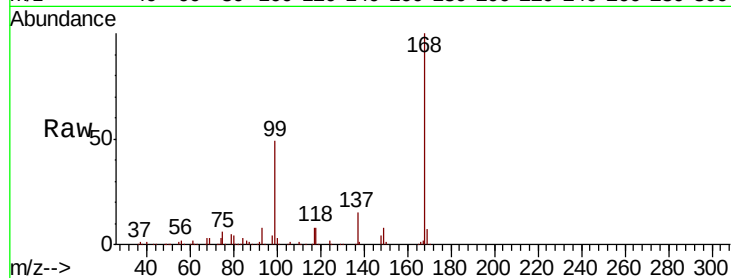
BP-VPB201-EB-20190301

Tgt Ion: 168 Resp: 317962

Ion Ratio Lower Upper

168 100

99 48.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VX007832.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX007832.D (-691) (-)

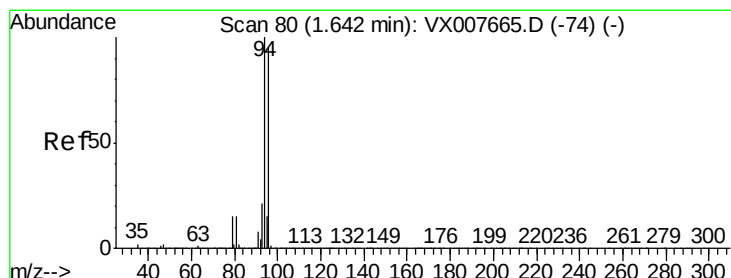
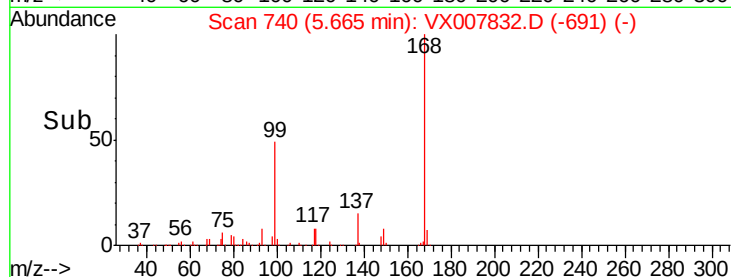
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007832.D

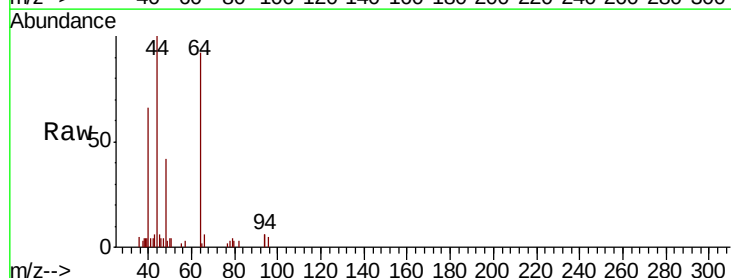
Acq: 05 Mar 2019 13:01

Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

94 100

96 42.2 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX007832.D (-31) (-)

Ion 95.90 (95.60 to 96.60): VX007832.D (-31) (-)

1.66

300

250

200

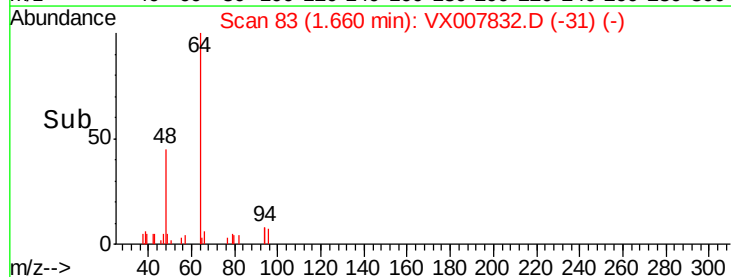
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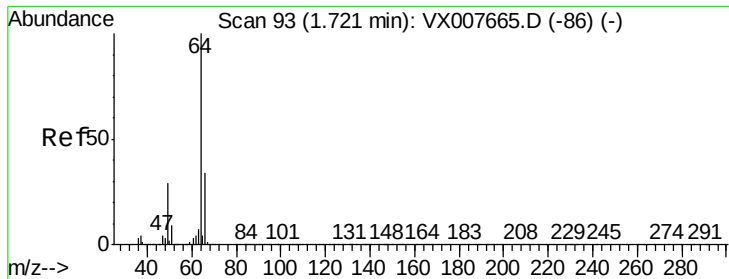
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 3.494 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

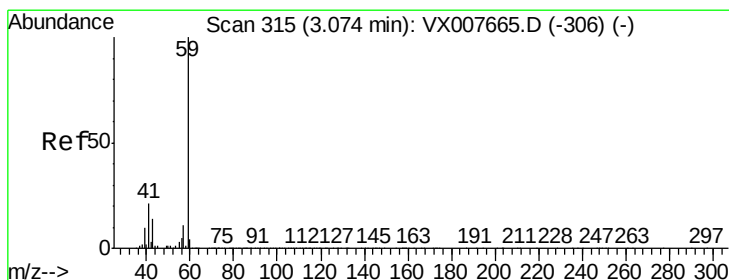
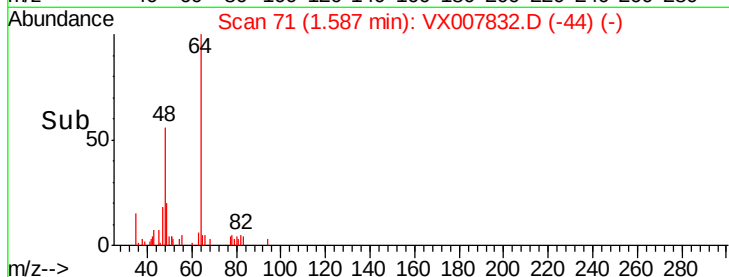
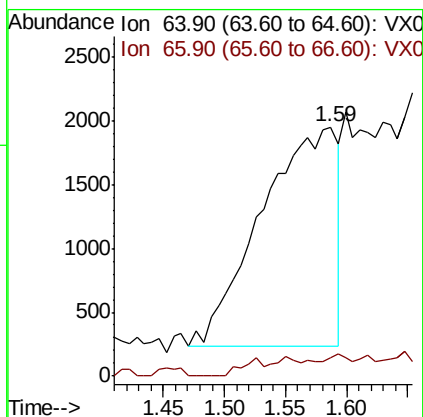
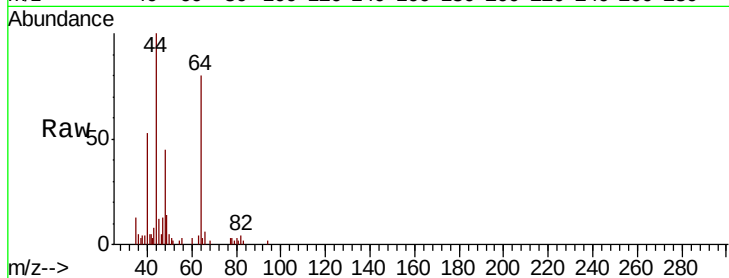
BP-VPB201-EB-20190301

Tgt Ion: 64 Resp: 7433

Ion Ratio Lower Upper

64 100

66 8.2 25.5 38.3#



#11

Tert butyl alcohol

Concen: 11.628 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007832.D

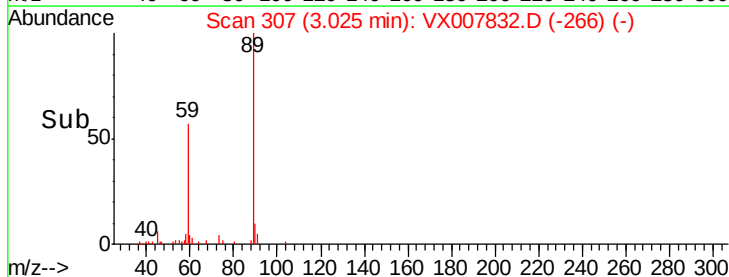
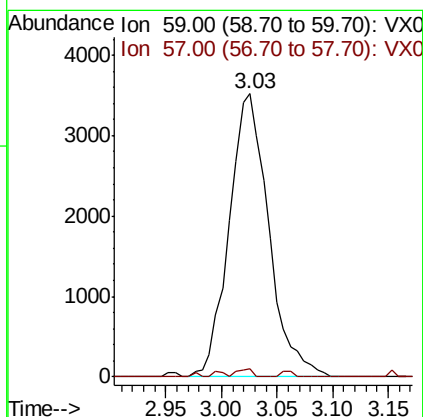
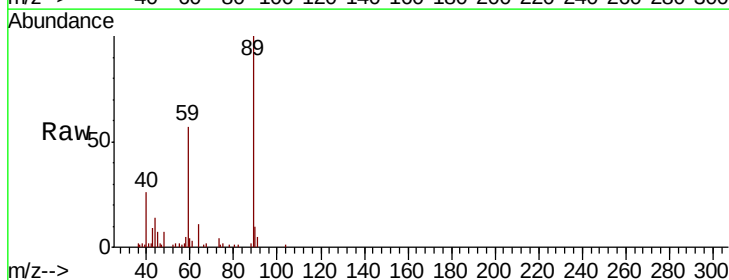
Acq: 05 Mar 2019 13:01

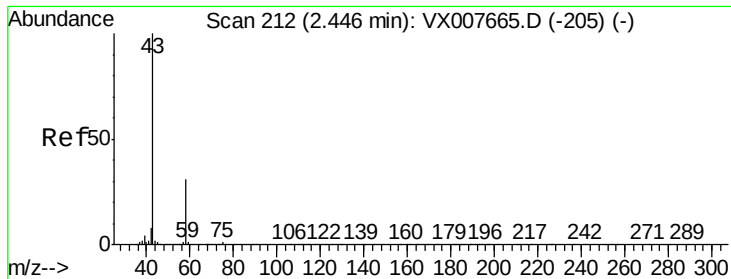
Tgt Ion: 59 Resp: 8689

Ion Ratio Lower Upper

59 100

57 1.1 8.1 12.1#

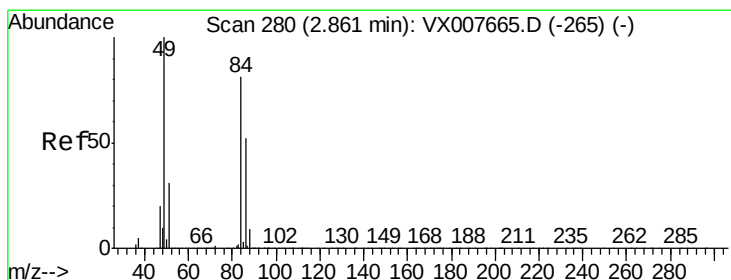
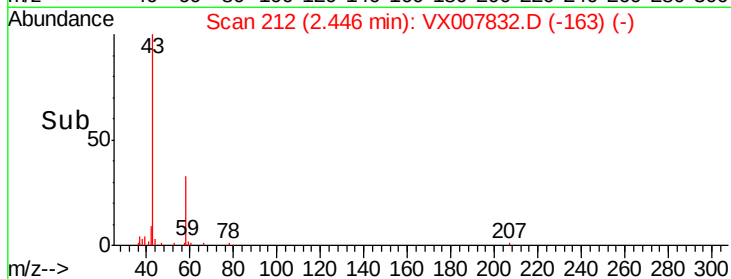
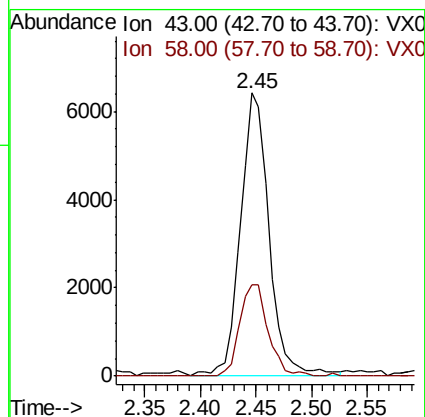
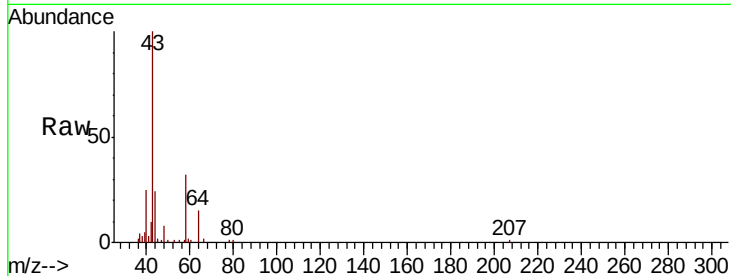




#16
Acetone
Concen: 6.557 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

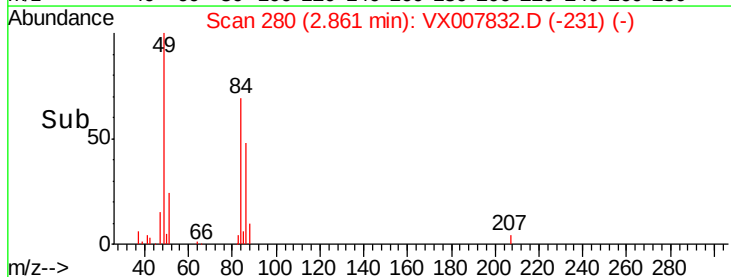
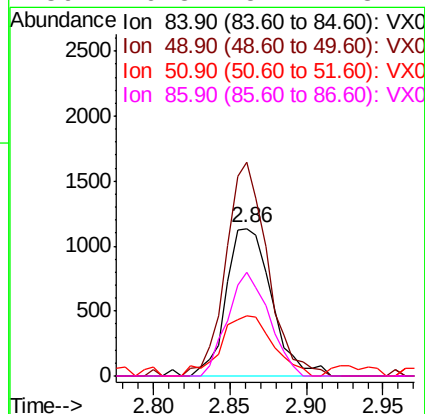
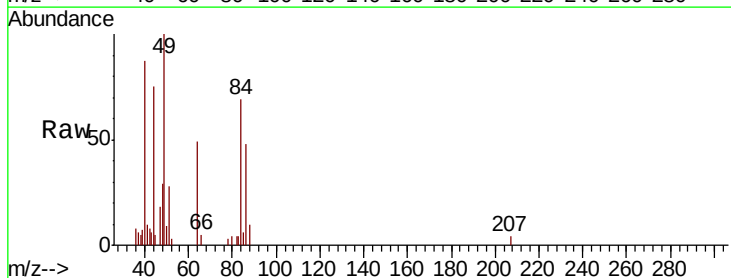
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BP-VPB201-EB-20190301

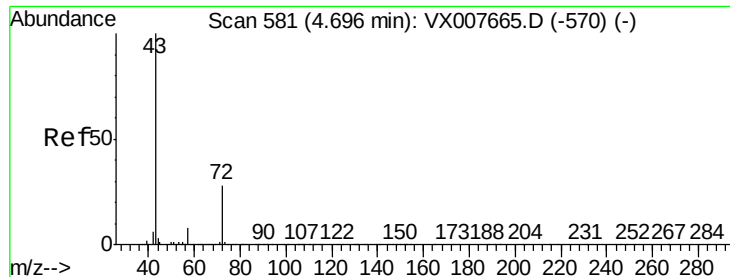
Tgt Ion: 43 Resp: 11485
Ion Ratio Lower Upper
43 100
58 32.2 24.9 37.3



#20
Methylene Chloride
Concen: 0.721 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Tgt Ion: 84 Resp: 2332
Ion Ratio Lower Upper
84 100
49 145.1 94.8 142.2#
51 34.4 29.8 44.8
86 70.3 54.1 81.1





#25

2-Butanone

Concen: 1.316 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

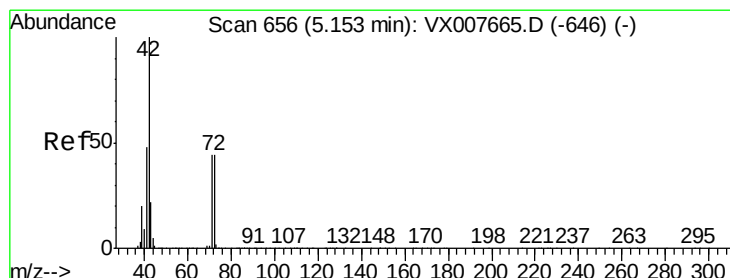
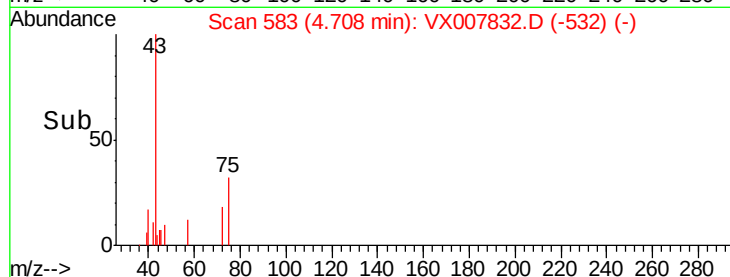
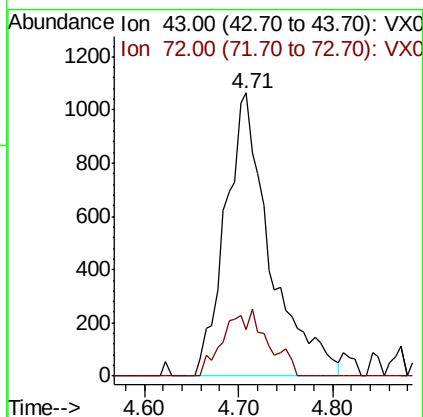
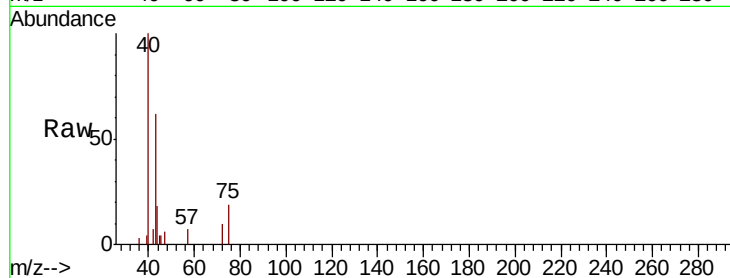
BP-VPB201-EB-20190301

Tgt Ion: 43 Resp: 3510

Ion Ratio Lower Upper

43 100

72 16.7 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.867 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

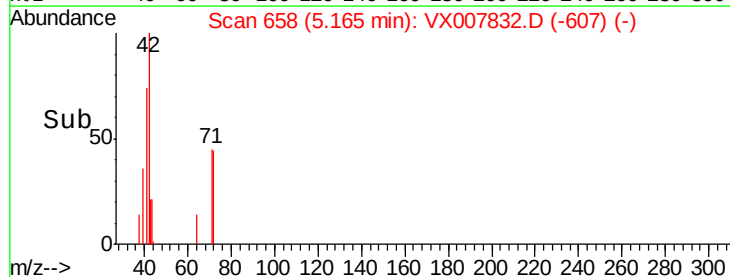
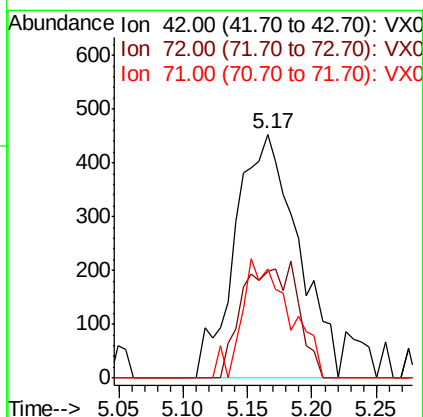
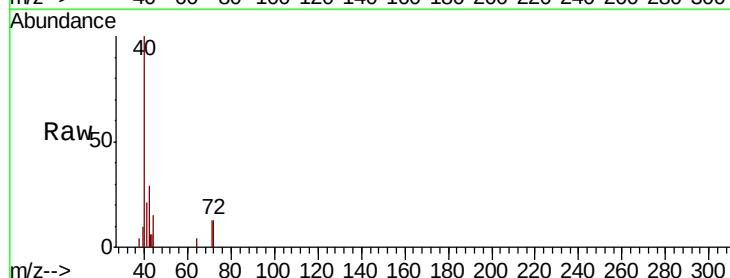
Tgt Ion: 42 Resp: 1525

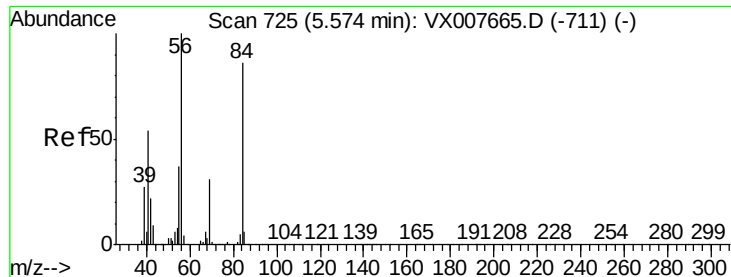
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 37.2 34.6 51.8

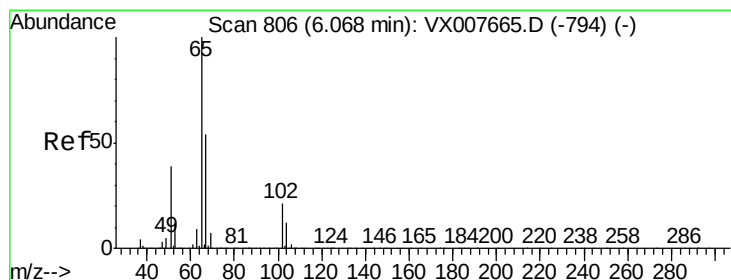
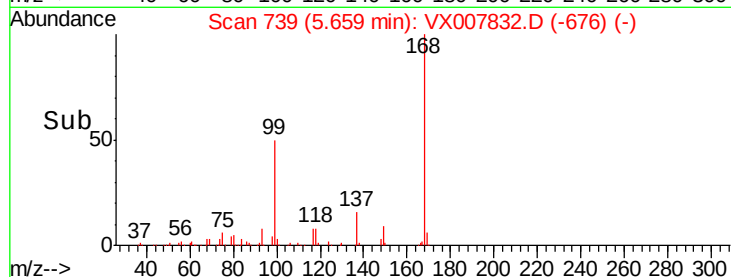
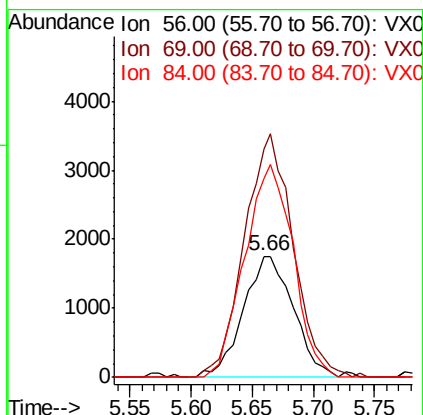
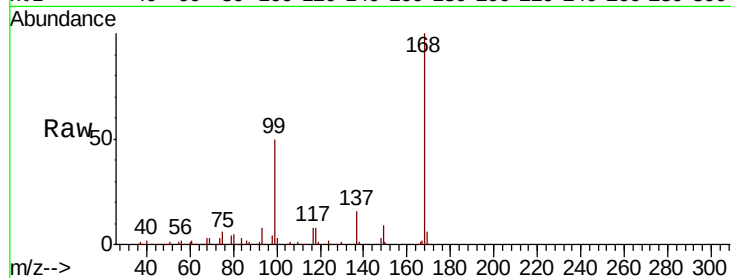




#31
Cyclohexane
Concen: 0.912 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

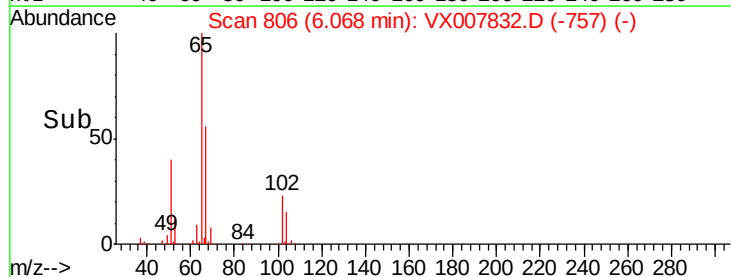
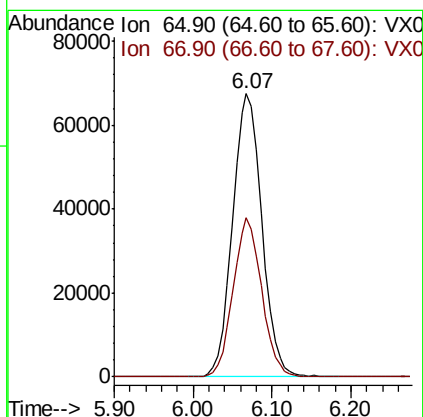
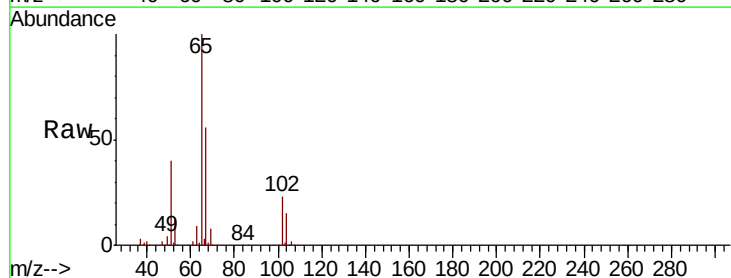
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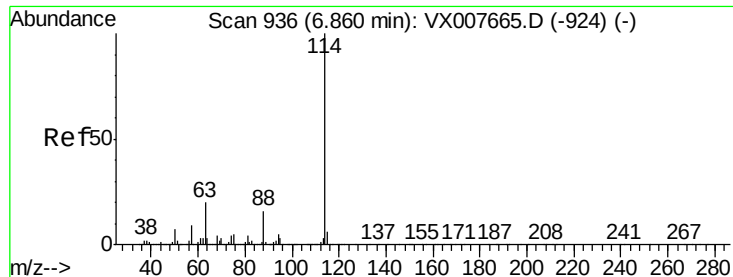
Tgt Ion: 56 Resp: 4992
Ion Ratio Lower Upper
56 100
69 189.3 23.0 34.6#
84 164.0 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 44.253 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Tgt Ion: 65 Resp: 174293
Ion Ratio Lower Upper
65 100
67 54.9 0.0 108.8

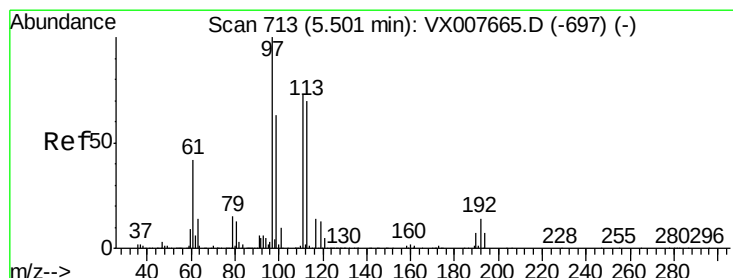
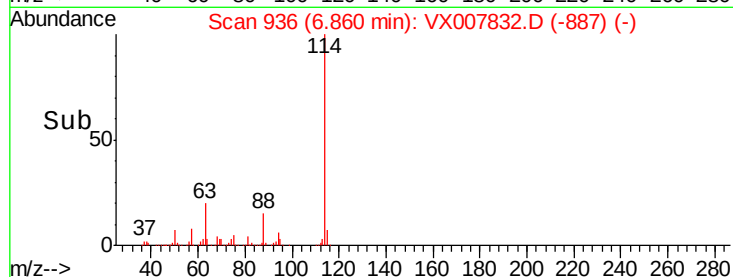
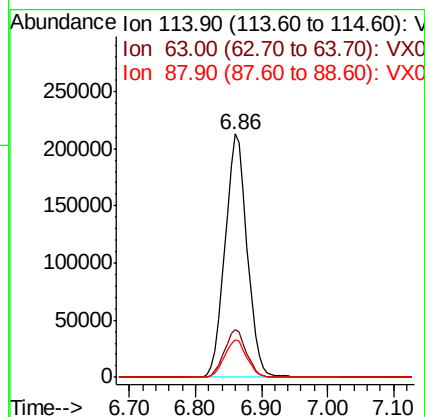
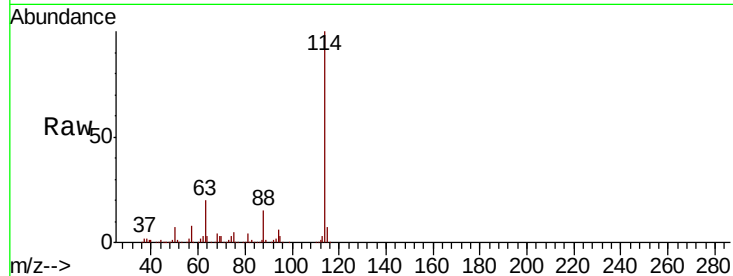




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007832.D
 Acq: 05 Mar 2019 13:01

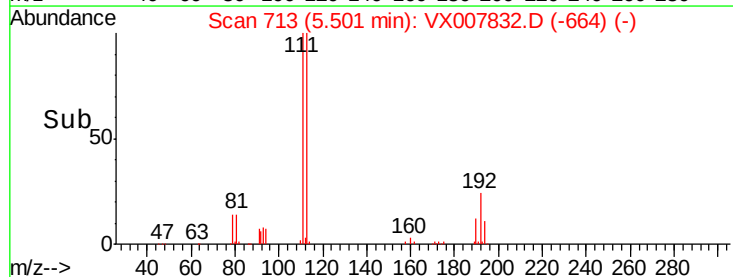
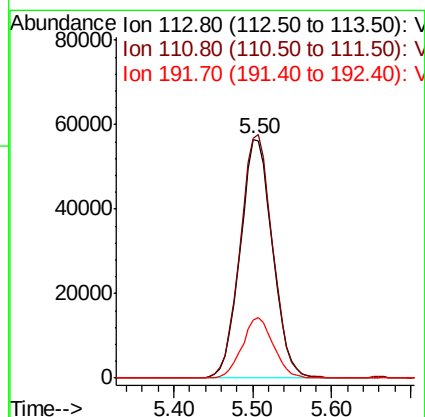
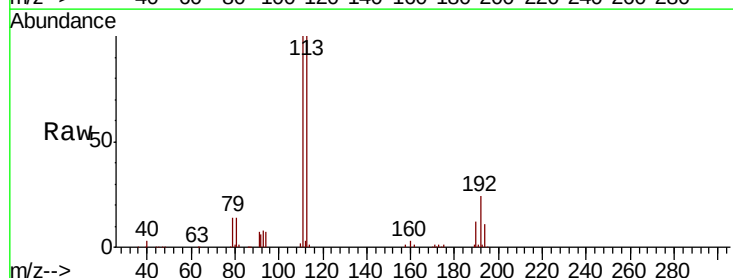
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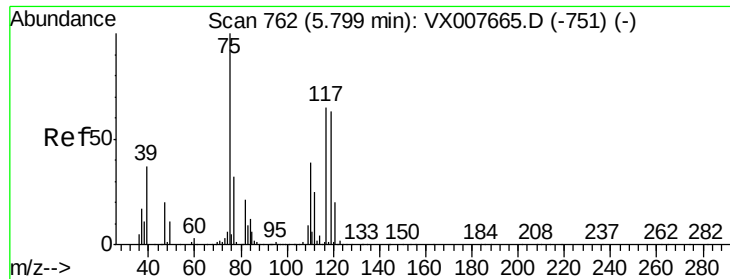
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	35.6
88	15.3	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 48.717 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007832.D
 Acq: 05 Mar 2019 13:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	24.5	18.5	27.7

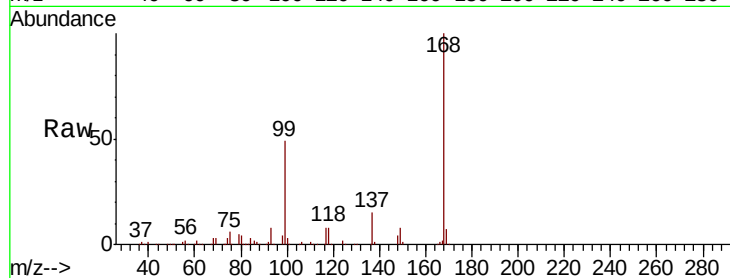




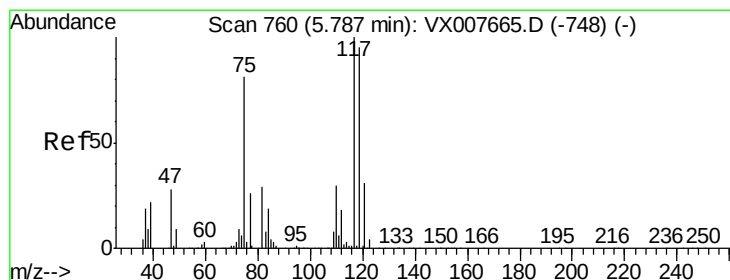
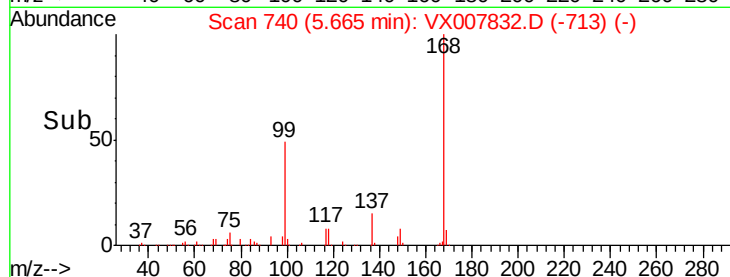
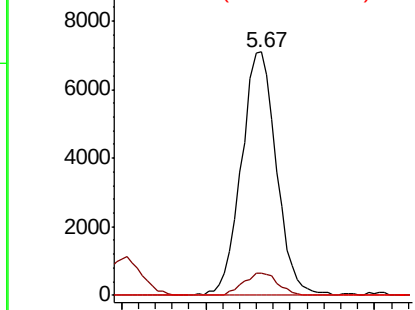
#36
 1,1-Dichloropropene
 Concen: 4.492 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007832.D
 Acq: 05 Mar 2019 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190301

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	20.0	59.9#
77	0.0	24.7	37.1#

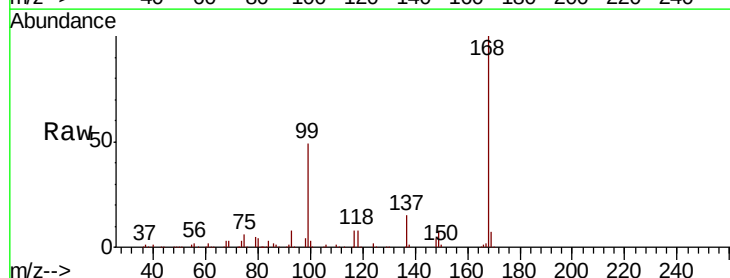


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

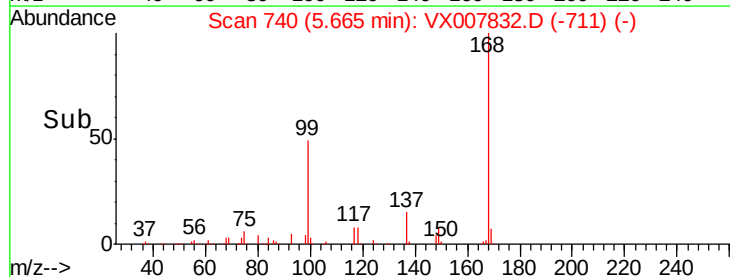
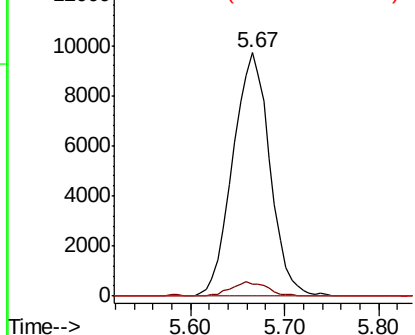


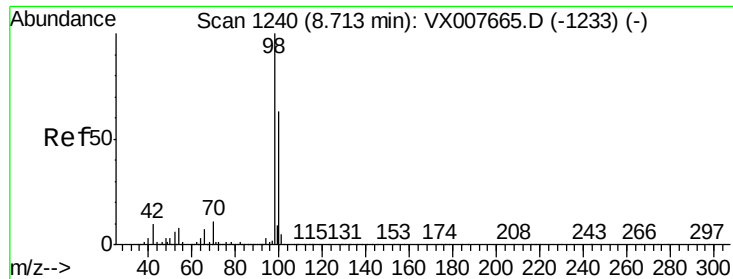
#38
 Carbon Tetrachloride
 Concen: 5.980 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007832.D
 Acq: 05 Mar 2019 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.3	112.9#
121	0.0	25.0	37.4#



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

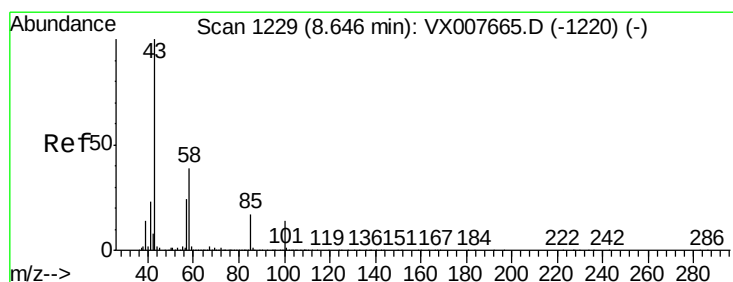
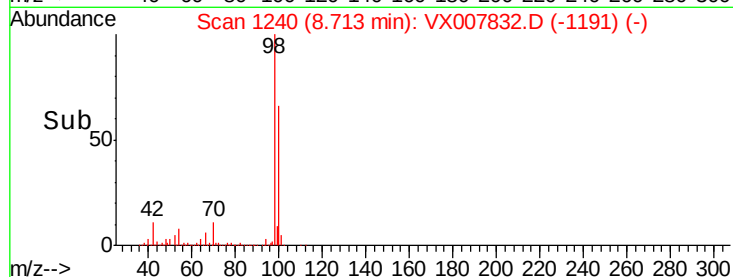
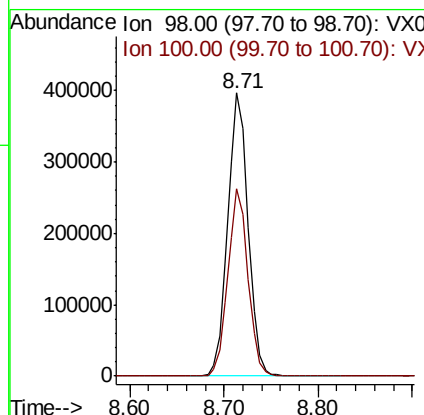
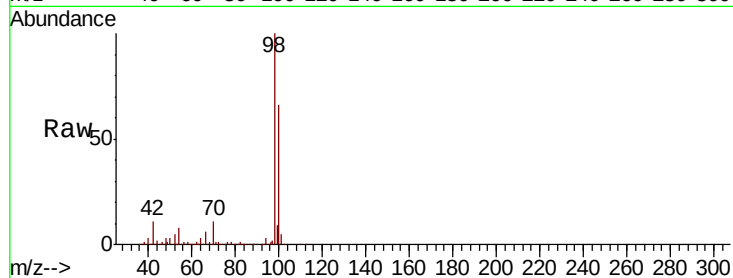




#50
Toluene-d8
Concen: 47.065 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

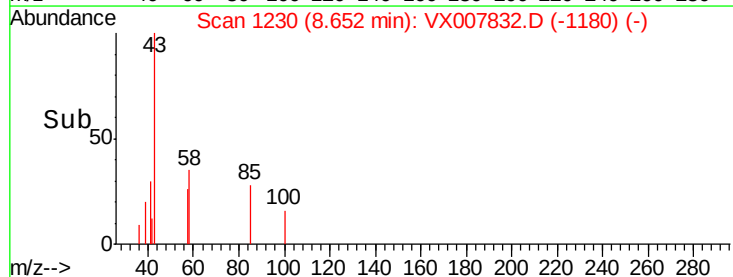
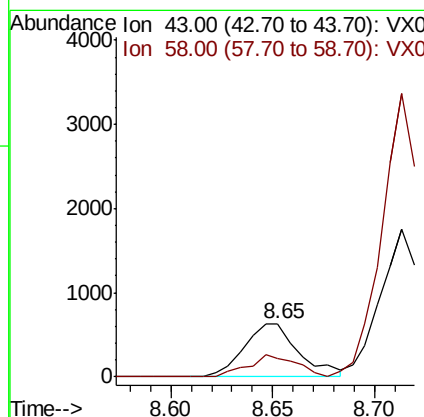
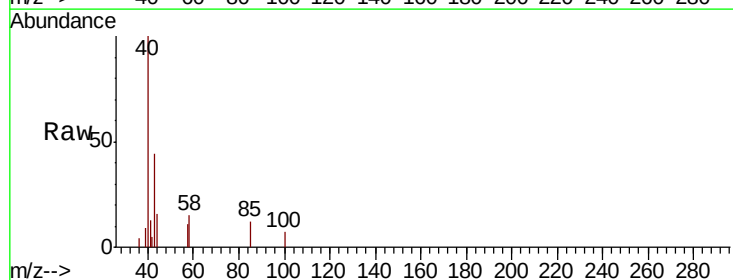
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190301

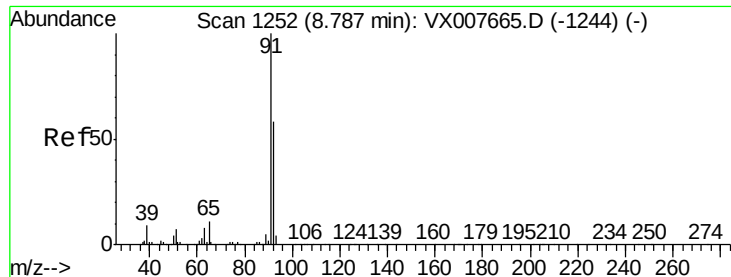
Tgt Ion: 98 Resp: 595089
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.232 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
58 36.3 31.2 46.8





#52

Toluene

Concen: 0.542 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

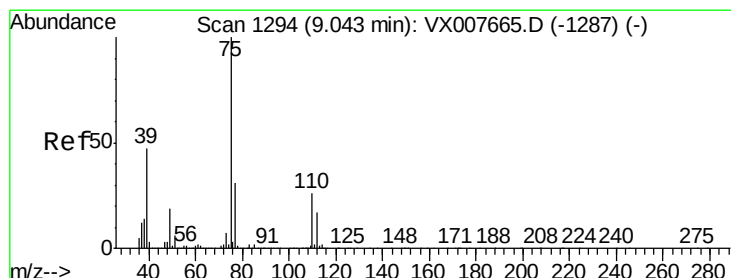
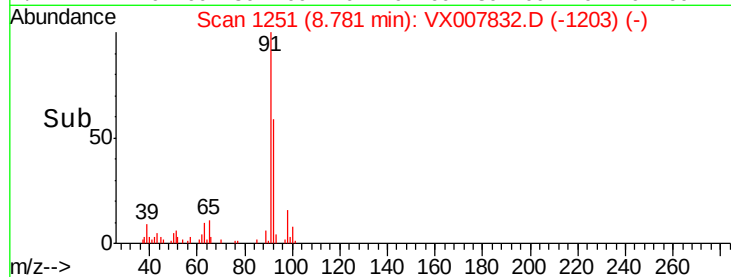
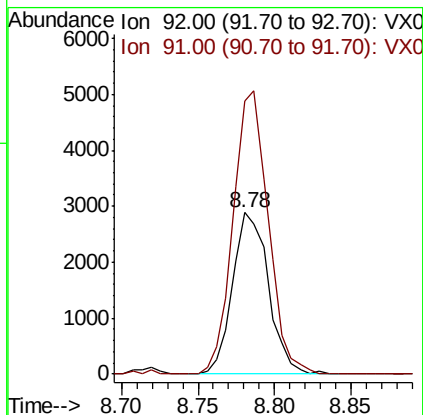
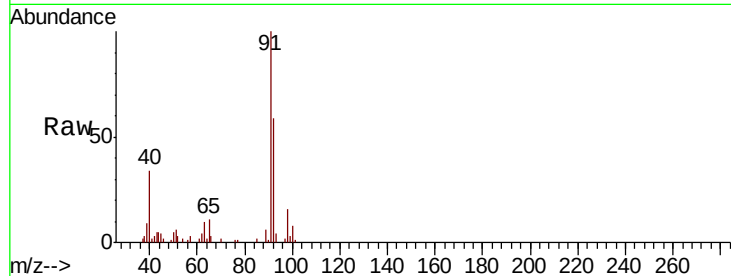
BP-VPB201-EB-20190301

Tgt Ion: 92 Resp: 4687

Ion Ratio Lower Upper

92 100

91 172.0 139.1 208.7



#53

t-1,3-Dichloropropene

Concen: 2.807 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX007832.D

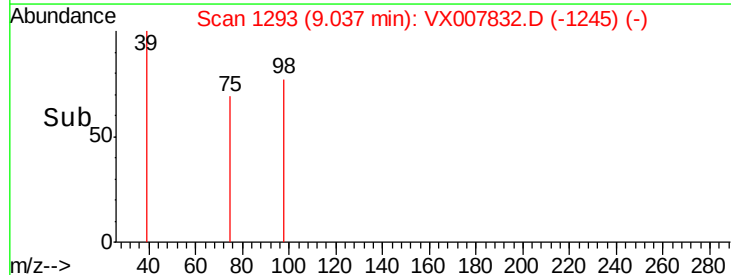
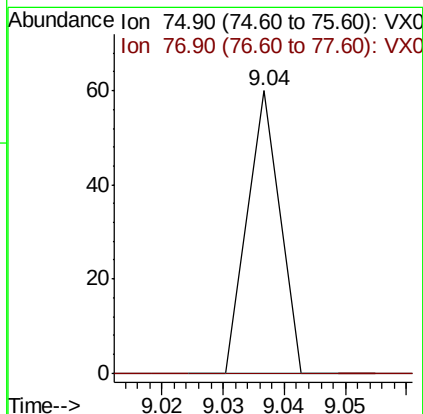
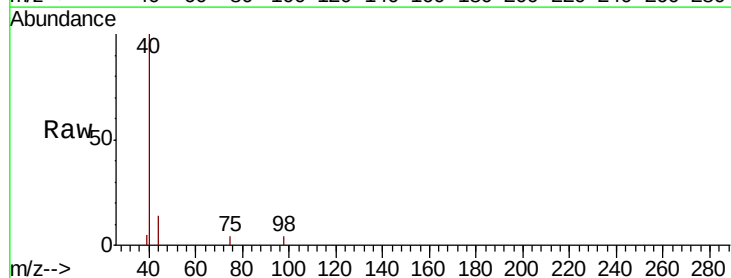
Acq: 05 Mar 2019 13:01

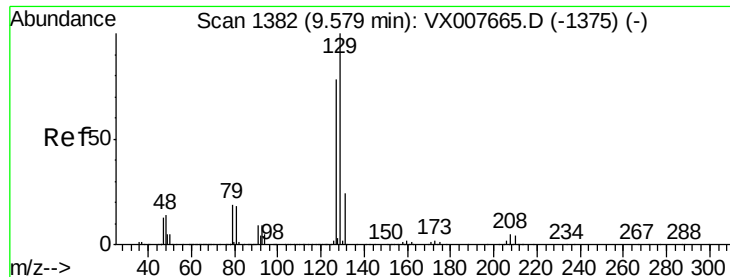
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#





#60

Dibromochloromethane

Concen: 0.241 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

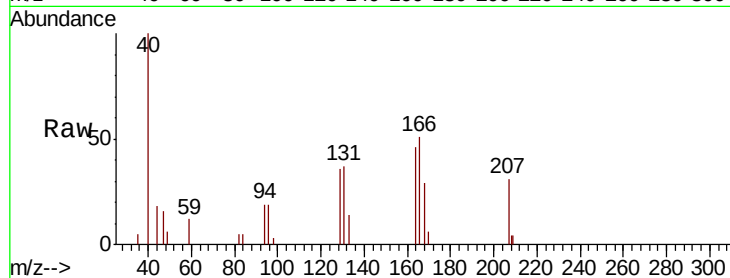
BP-VPB201-EB-20190301

Tgt Ion:129 Resp: 837

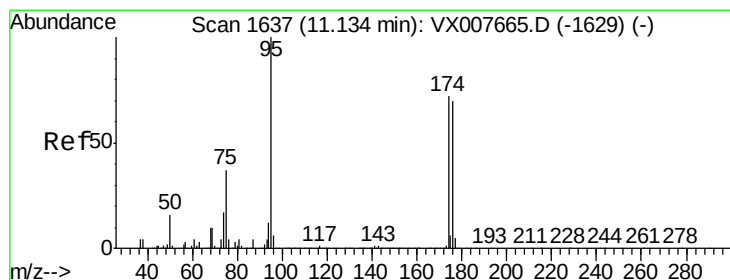
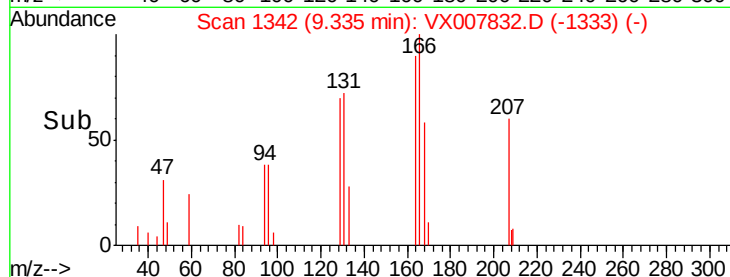
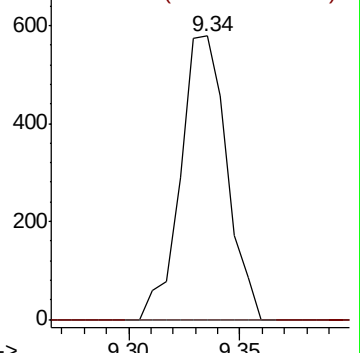
Ion Ratio Lower Upper

129 100

127 0.0 37.8 113.4#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 46.938 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

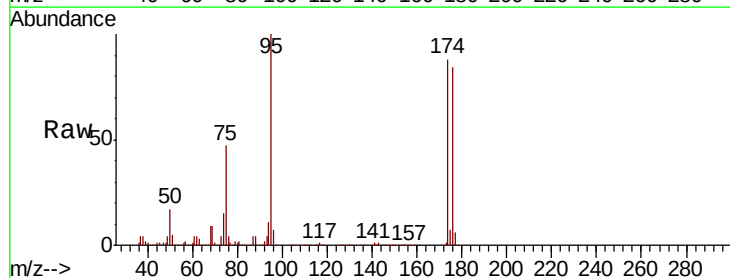
Tgt Ion: 95 Resp: 217831

Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

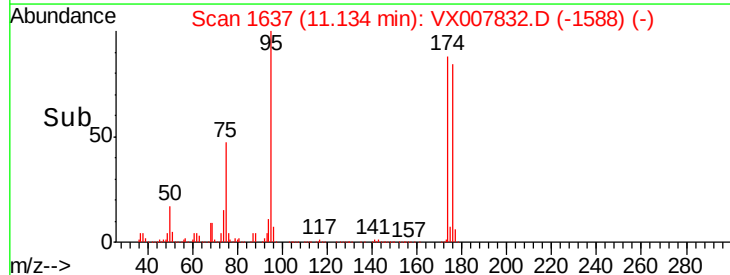
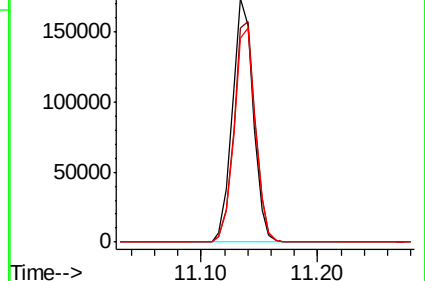
176 89.6 0.0 186.2

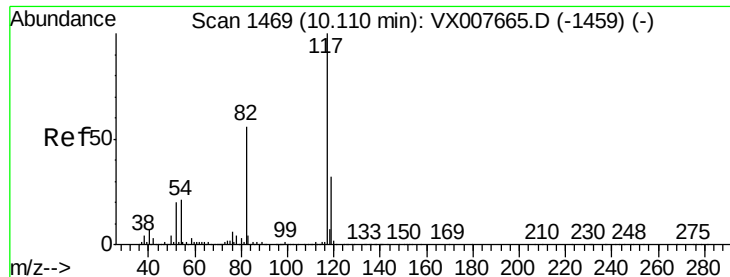


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

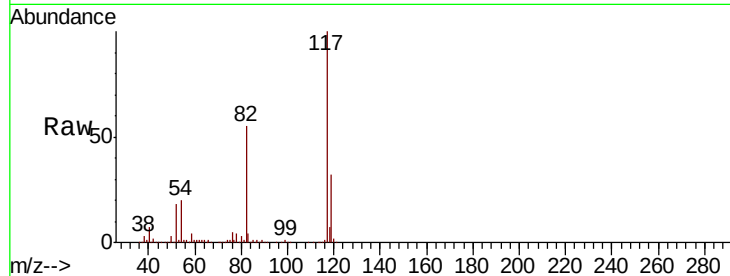




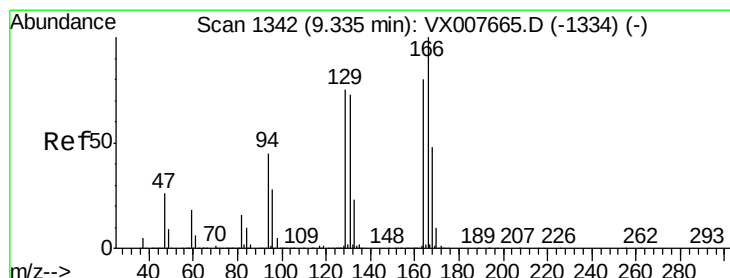
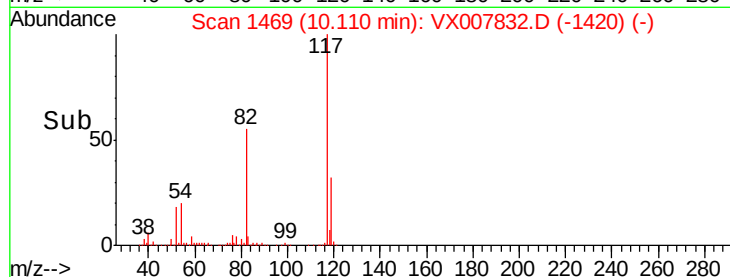
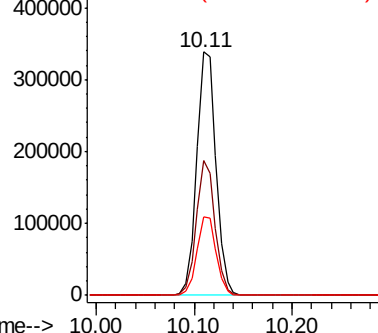
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190301

Tgt Ion:117 Resp: 463403
Ion Ratio Lower Upper
117 100
82 55.3 42.1 63.1
119 32.1 26.5 39.7

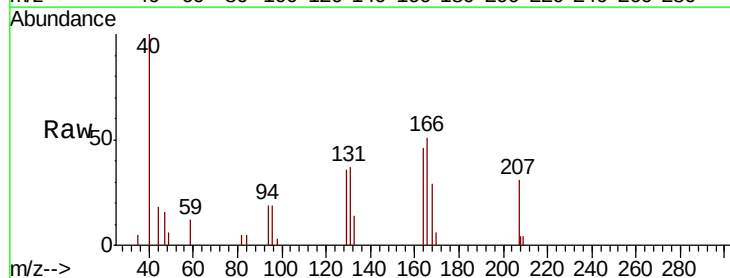


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

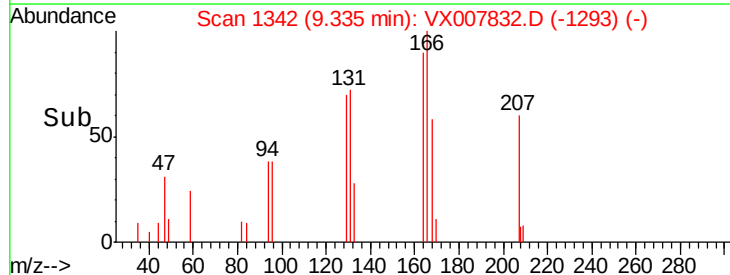
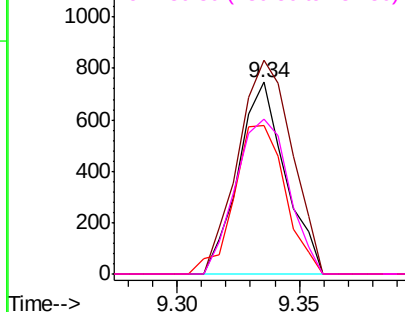


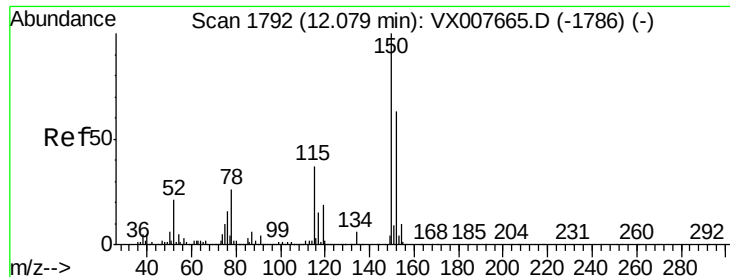
#64
Tetrachloroethene
Concen: 0.264 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Tgt Ion:164 Resp: 993
Ion Ratio Lower Upper
164 100
166 111.5 101.0 151.4
129 77.6 70.5 105.7
131 80.7 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



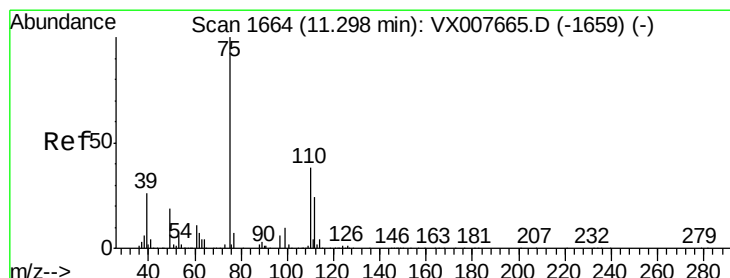
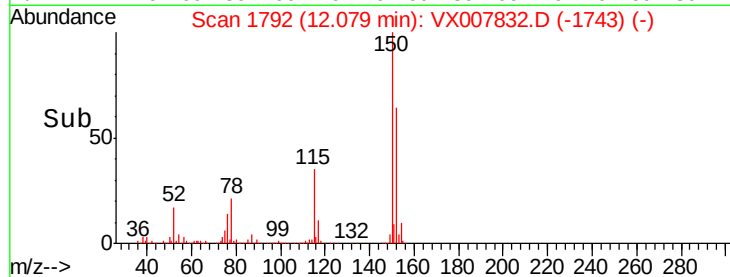
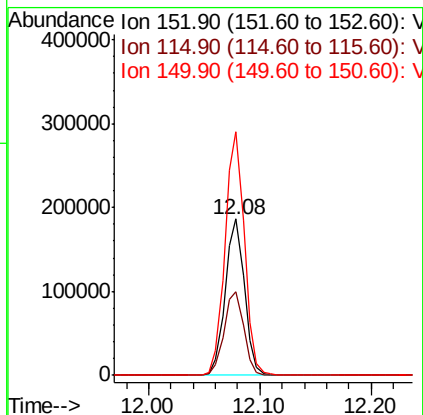
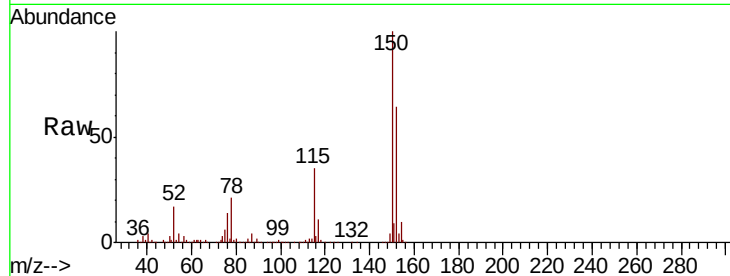


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190301

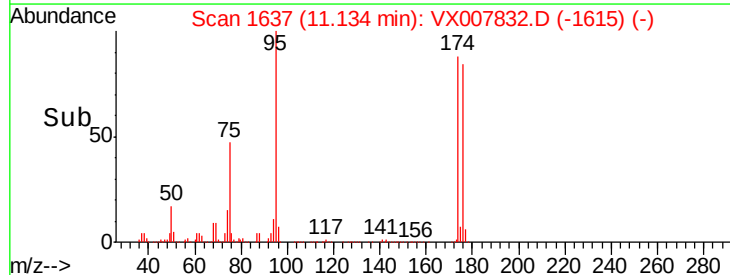
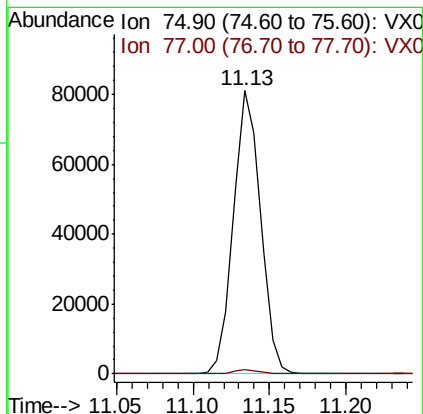
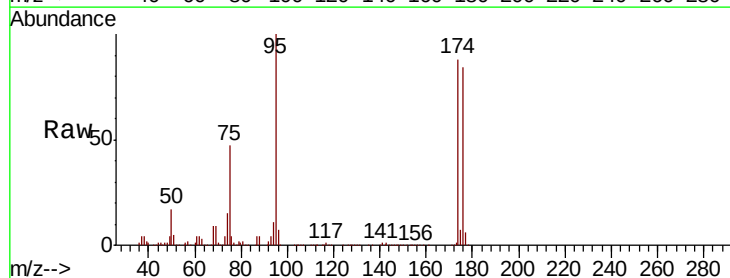
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.0	114.0
150	157.0	0.0	346.4

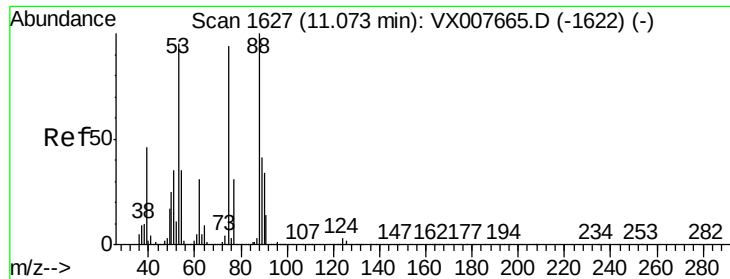


#76

1,2,3-Trichloropropane
Concen: 21.149 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007832.D
Acq: 05 Mar 2019 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 56.271 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007832.D

Acq: 05 Mar 2019 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190301

Tgt Ion: 75 Resp: 99968

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

