

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030419\
 Data File : VX007813.D
 Acq On : 04 Mar 2019 16:22
 Operator : JC/SP
 Sample : K1719-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487

Quant Time: Mar 04 22:02:07 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	337013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	523490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	489380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183687	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
35) Dibromofluoromethane	5.51	113	166667	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	8.71	98	629735	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.13	95	232201	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds

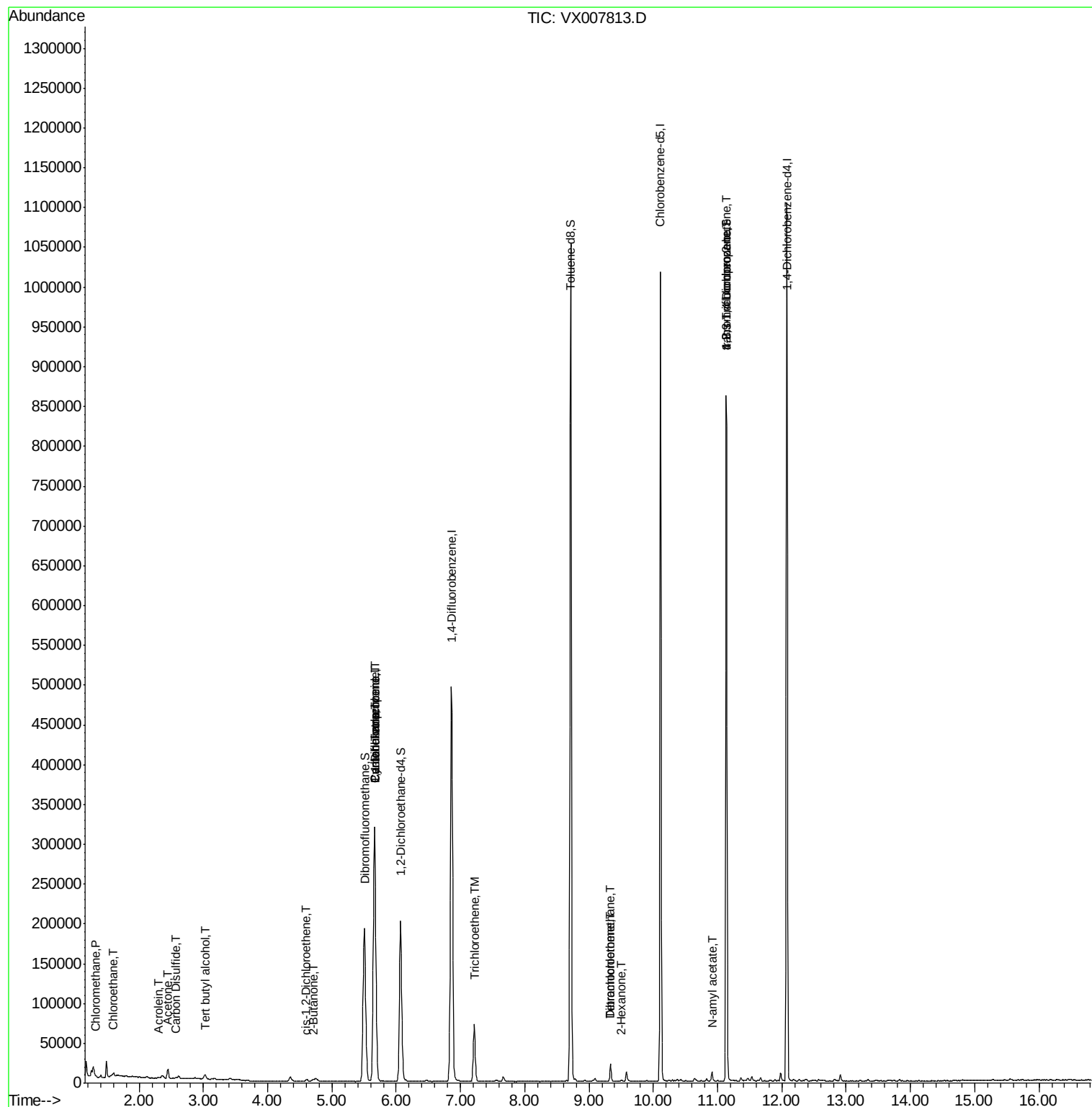
					Qvalue	
3) Chloromethane	1.33	50	866	0.252	ug/l	96
5) Bromomethane	1.65	94	534	Below Cal	#	68
6) Chloroethane	1.59	64	4552	2.019	ug/l #	56
11) Tert butyl alcohol	3.03	59	3918	4.947	ug/l #	76
13) Acrolein	2.29	56	471	0.669	ug/l #	64
16) Acetone	2.45	43	12235	6.591	ug/l	97
17) Carbon Disulfide	2.57	76	1824	0.222	ug/l #	95
25) 2-Butanone	4.70	43	4882	1.726	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	1522	0.373	ug/l	97
31) Cyclohexane	5.67	56	5266	0.908	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	21072	4.477	ug/l #	48
38) Carbon Tetrachloride	5.67	117	28202	5.965	ug/l #	17
44) Trichloroethene	7.21	130	29223	7.312	ug/l	89
59) 2-Hexanone	9.50	43	1392	0.329	ug/l	85
60) Dibromochloromethane	9.34	129	3868	1.052	ug/l #	12
64) Tetrachloroethene	9.34	164	4467	1.124	ug/l	94
74) N-amyl acetate	10.91	43	1964	0.267	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	105140	20.828	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	105140	55.463	ug/l #	9

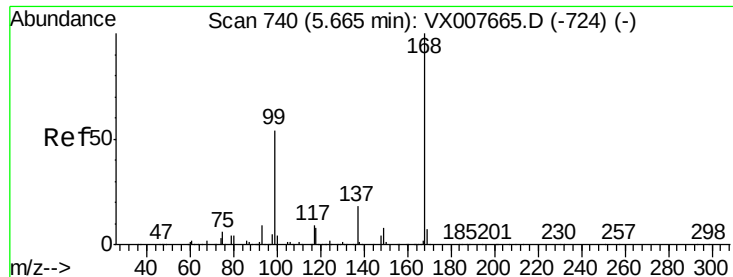
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
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: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

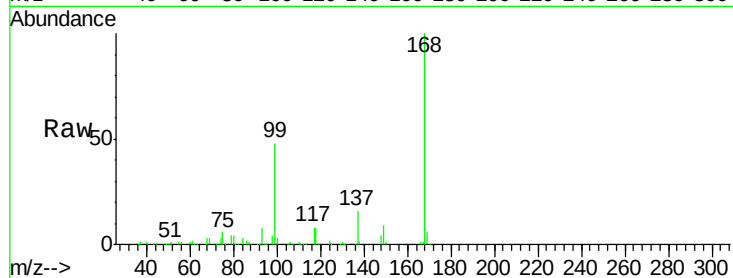
BP-VPB201-GW-485-487

Tot Ion:168 Resp: 337013

Ion Ratio Lower Upper

168 100

99 47.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

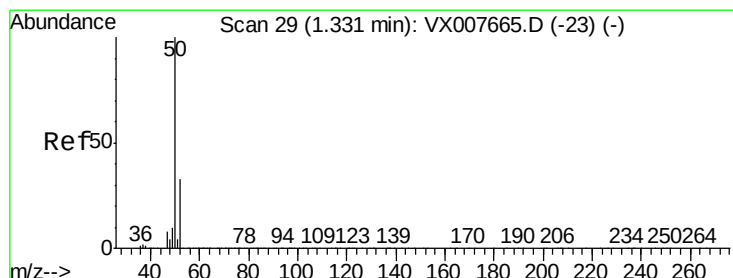
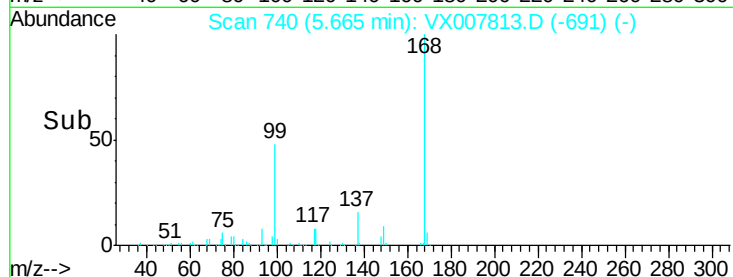
100000

50000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007813.D

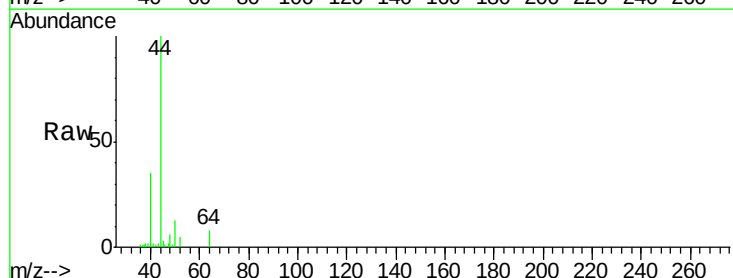
Acq: 04 Mar 2019 16:22

Tgt Ion: 50 Resp: 866

Ion Ratio Lower Upper

50 100

52 34.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

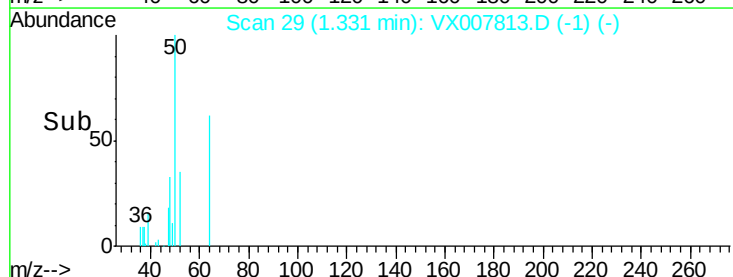
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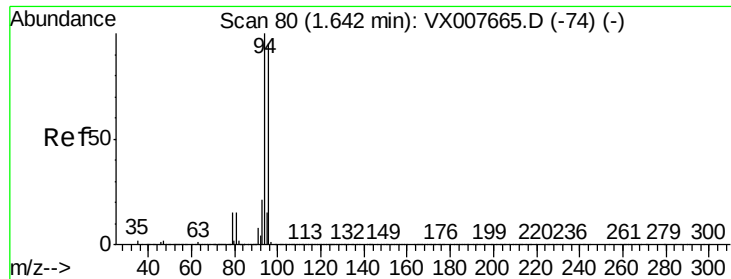
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

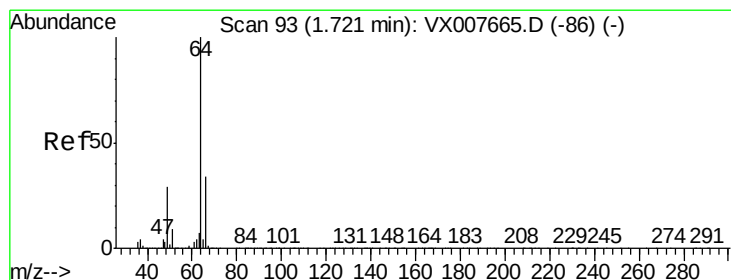
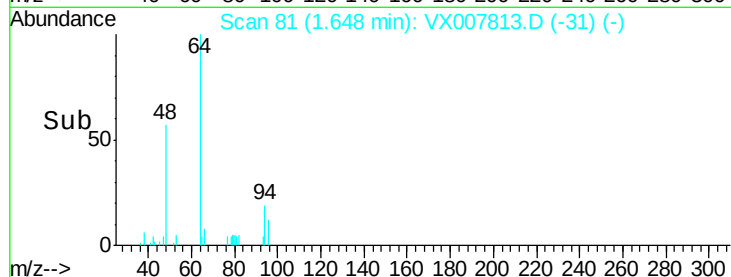
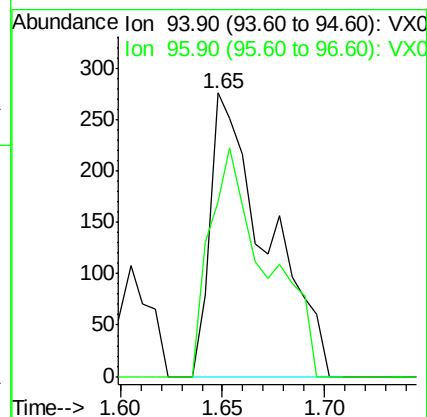
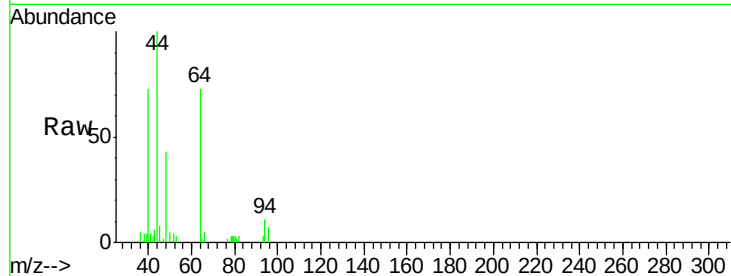
BP-VPB201-GW-485-487

Tot Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 61.6 73.9 110.9#



#6

Chloroethane

Concen: 2.019 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX007813.D

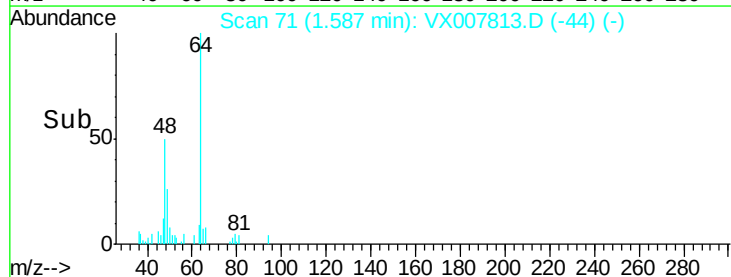
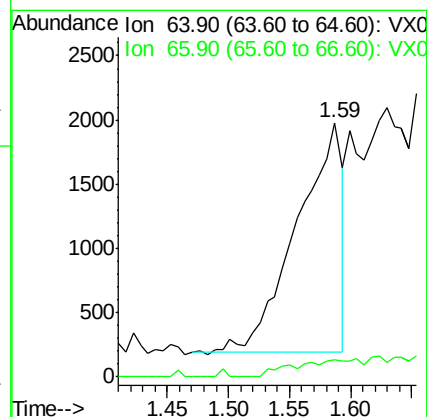
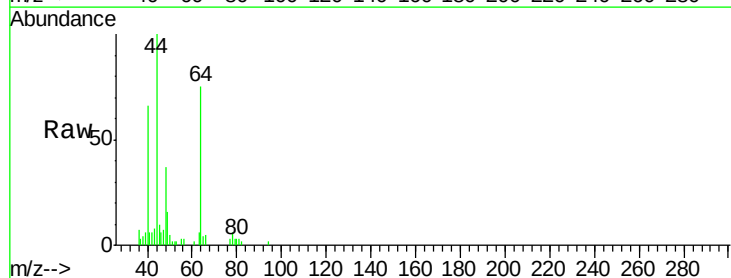
Acq: 04 Mar 2019 16:22

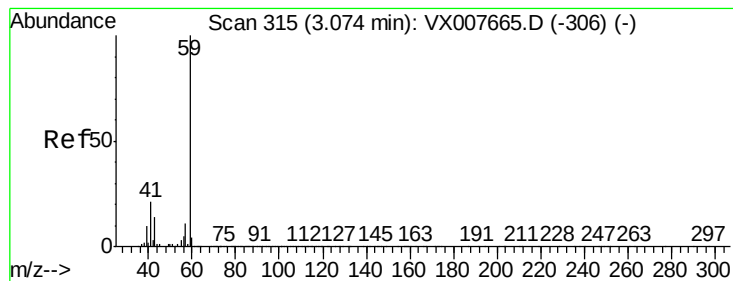
Tgt Ion: 64 Resp: 4552

Ion Ratio Lower Upper

64 100

66 7.5 25.5 38.3#



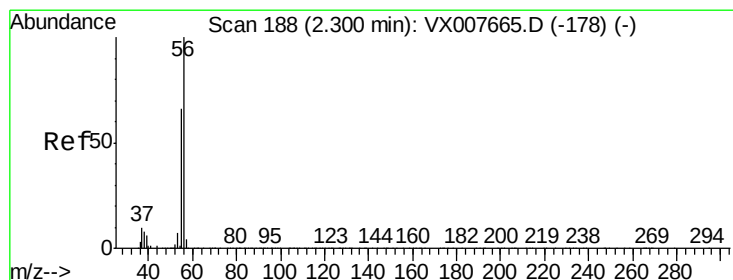
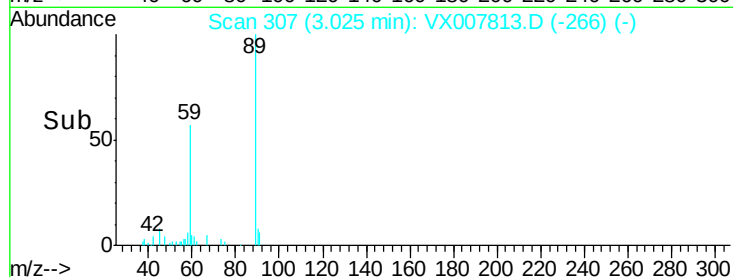
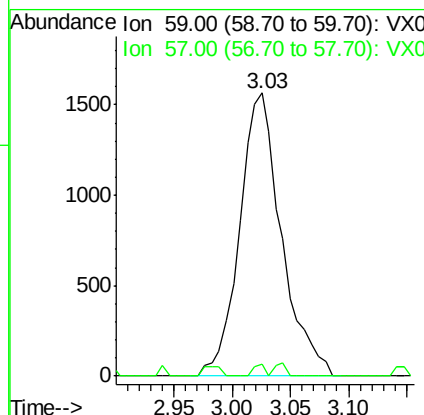
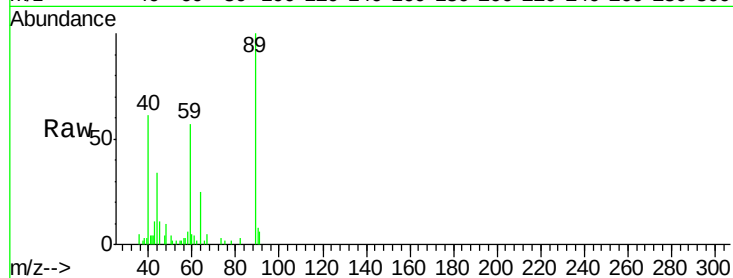


#11

Tert butyl alcohol
 Concen: 4.947 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX007813.D
 Acq: 04 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487

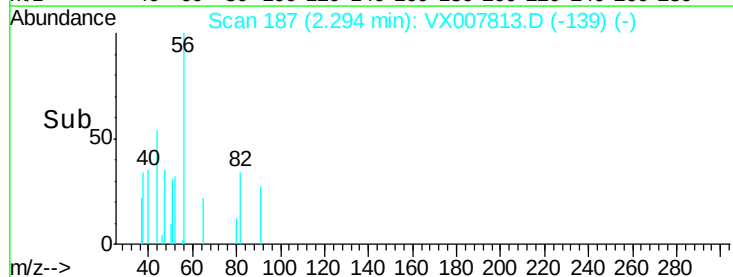
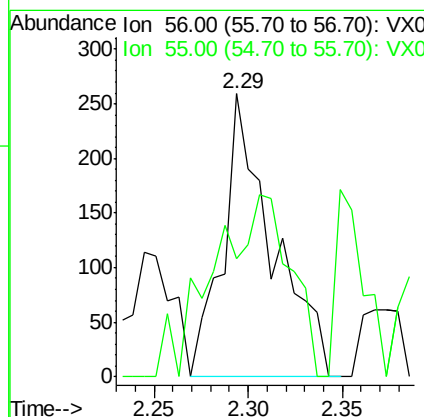
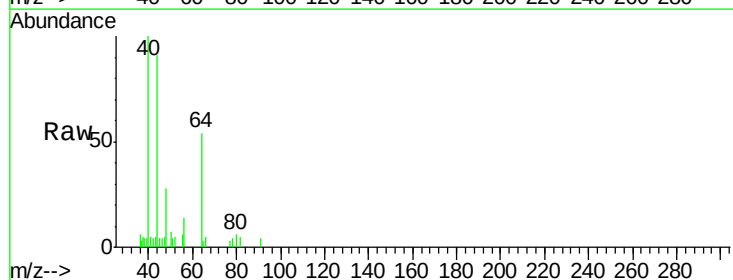
Tot Ion: 59 Resp: 3918
 Ion Ratio Lower Upper
 59 100
 57 1.1 8.1 12.1#

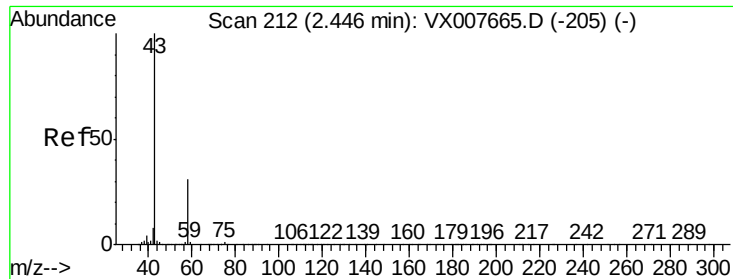


#13

Acrolein
 Concen: 0.669 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX007813.D
 Acq: 04 Mar 2019 16:22

Tgt Ion: 56 Resp: 471
 Ion Ratio Lower Upper
 56 100
 55 100.6 56.9 85.3#





#16

Acetone

Concen: 6.591 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

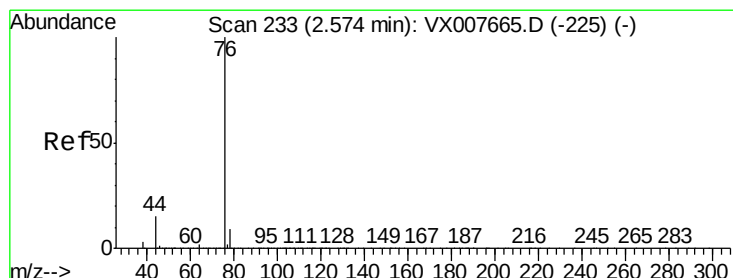
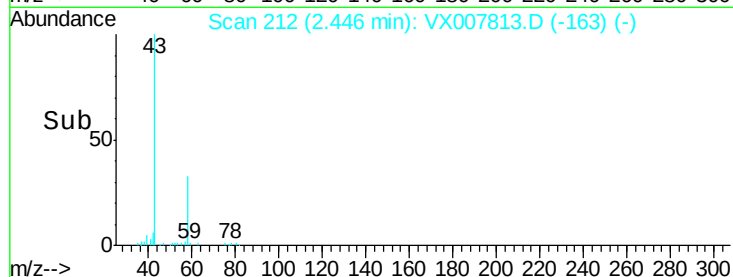
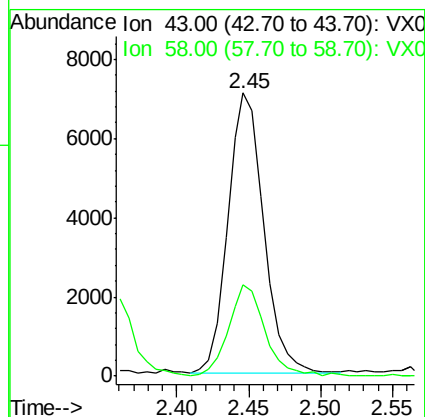
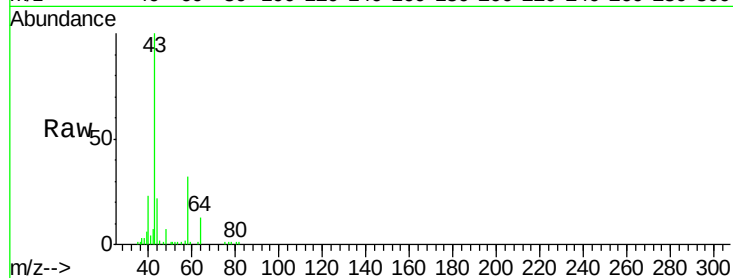
BP-VPB201-GW-485-487

Tot Ion: 43 Resp: 12235

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3



#17

Carbon Disulfide

Concen: 0.222 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007813.D

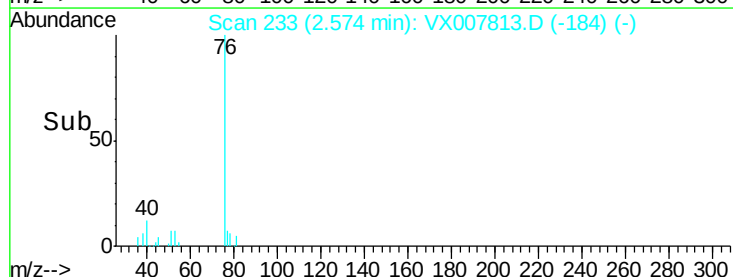
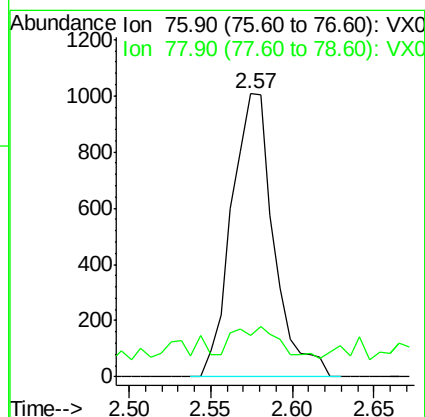
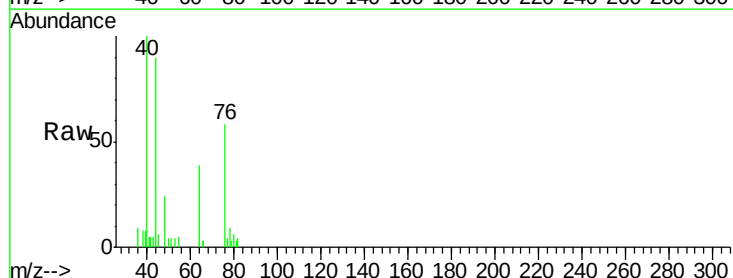
Acq: 04 Mar 2019 16:22

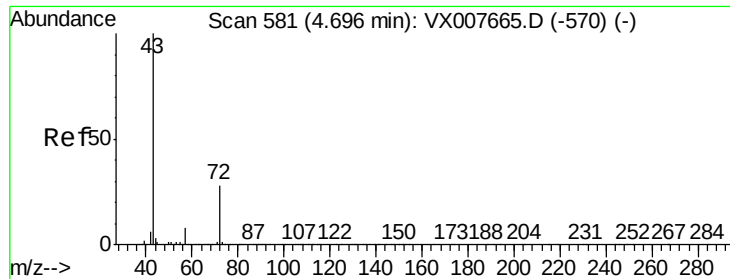
Tgt Ion: 76 Resp: 1824

Ion Ratio Lower Upper

76 100

78 7.0 7.1 10.7#





#25

2-Butanone

Concen: 1.726 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

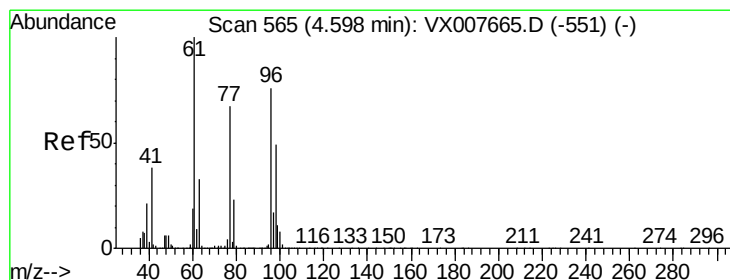
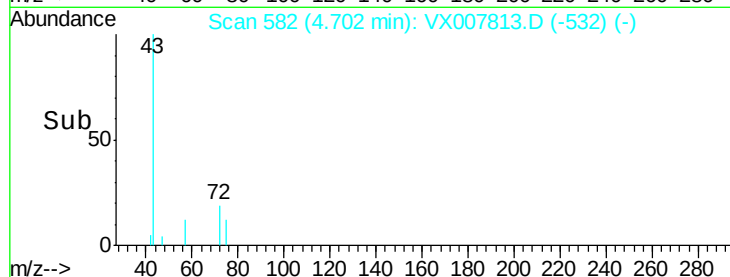
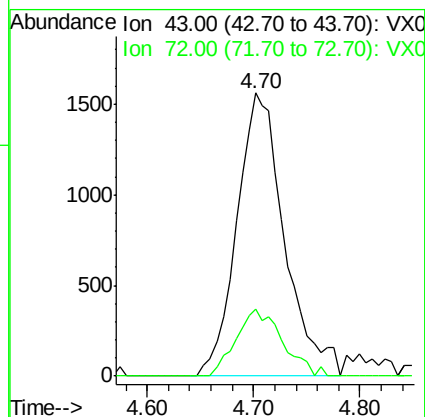
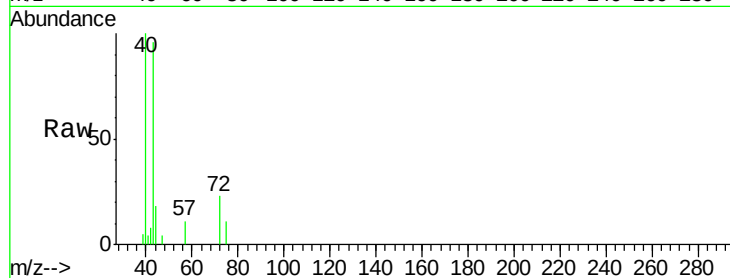
BP-VPB201-GW-485-487

Tot Ion: 43 Resp: 4882

Ion Ratio Lower Upper

43 100

72 23.9 22.2 33.2



#27

cis-1,2-Dichloroethene

Concen: 0.373 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

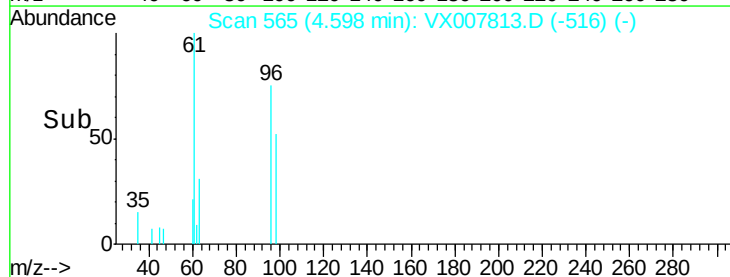
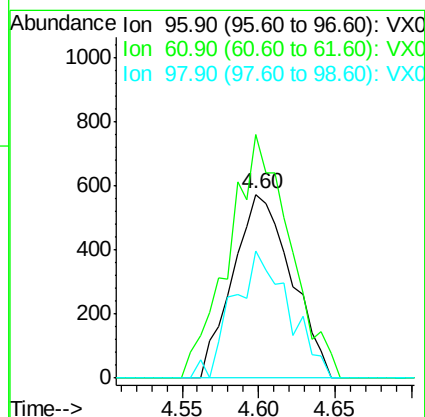
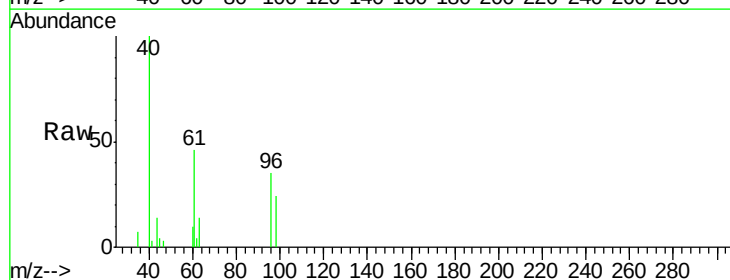
Tgt Ion: 96 Resp: 1522

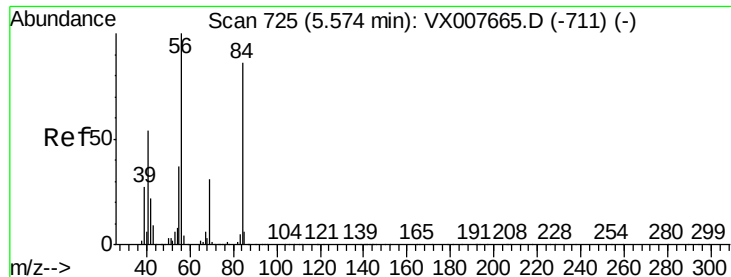
Ion Ratio Lower Upper

96 100

61 138.0 0.0 265.6

98 65.2 0.0 131.6

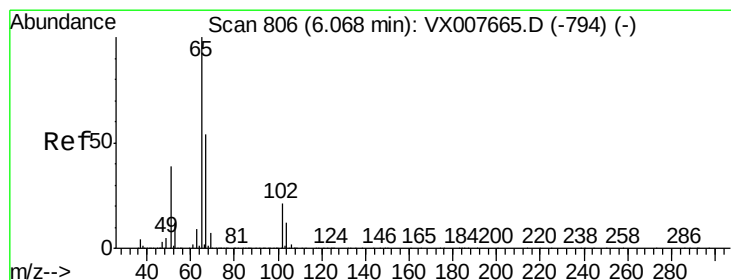
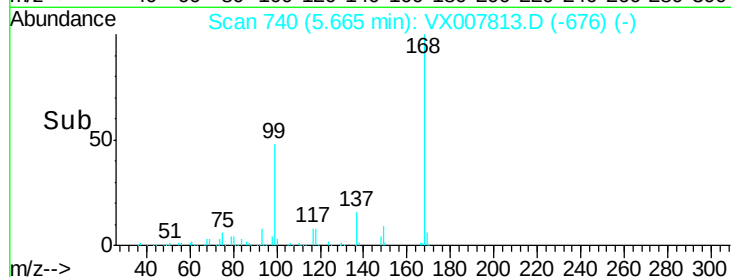
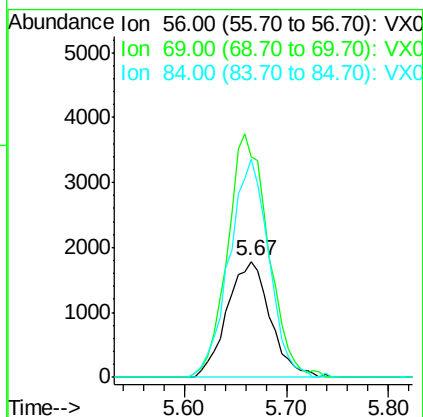
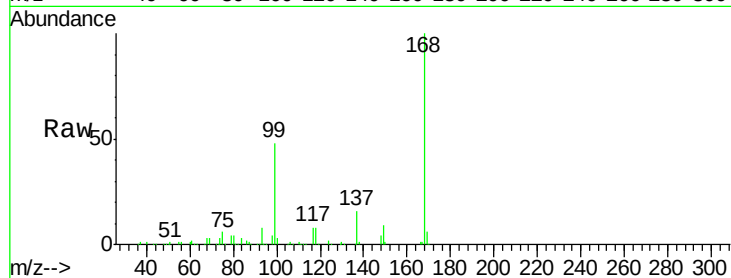




#31
Cyclohexane
Concen: 0.908 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

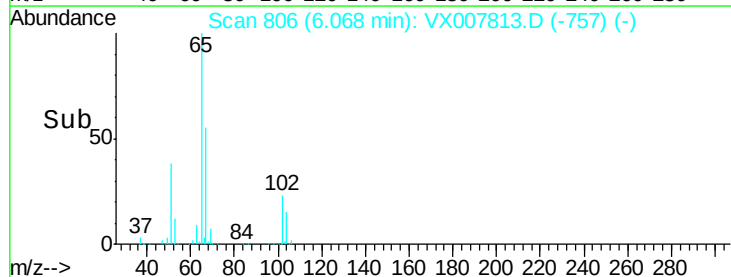
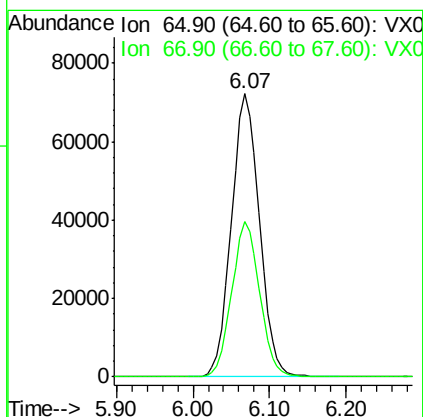
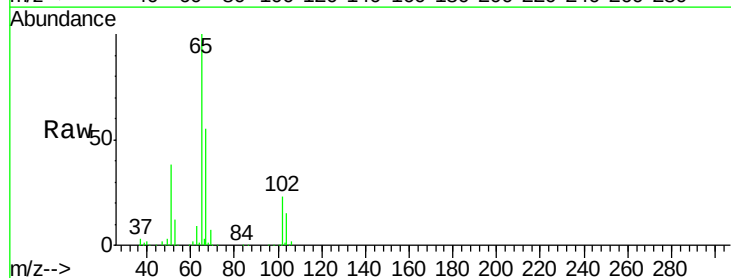
Instrument :
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BP-VPB201-GW-485-487

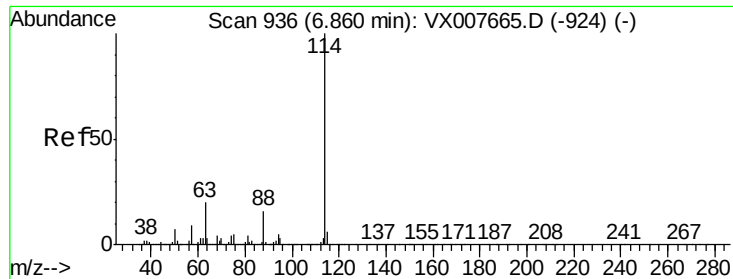
Tot Ion: 56 Resp: 5266
Ion Ratio Lower Upper
56 100
69 189.8 23.0 34.6#
84 188.2 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 44.002 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

Tgt Ion: 65 Resp: 183687
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.8

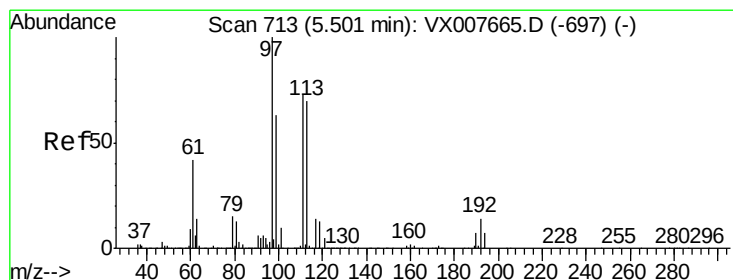
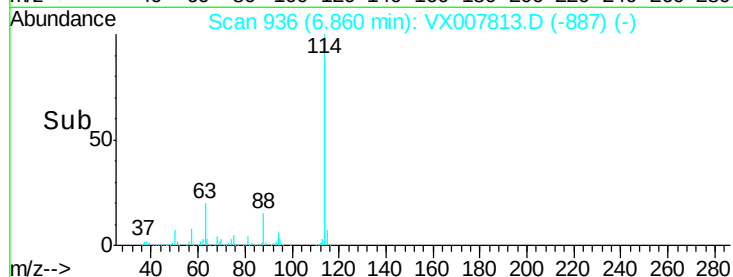
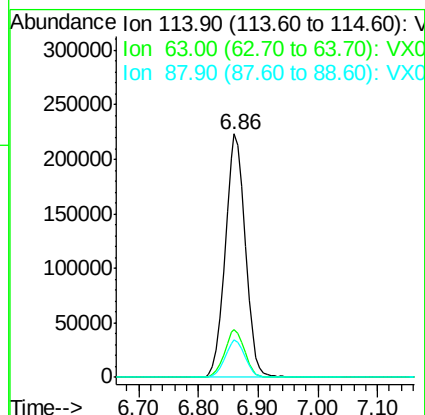
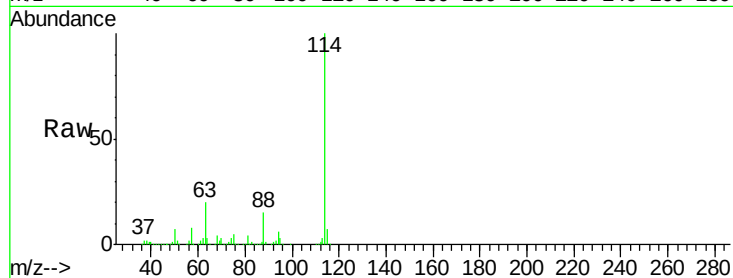




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

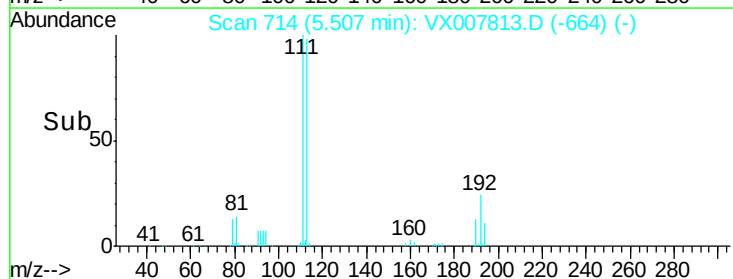
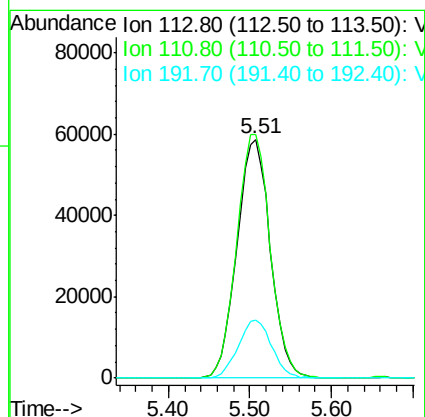
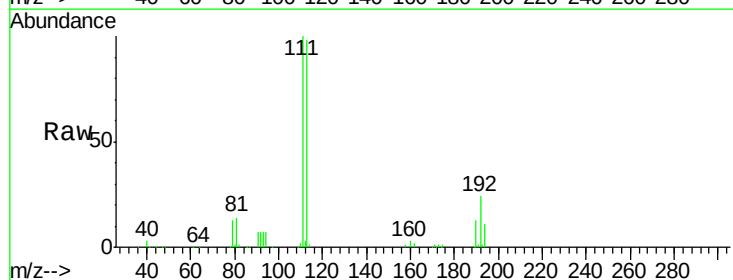
Instrument :
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ClientSampleId :
BP-VPB201-GW-485-487

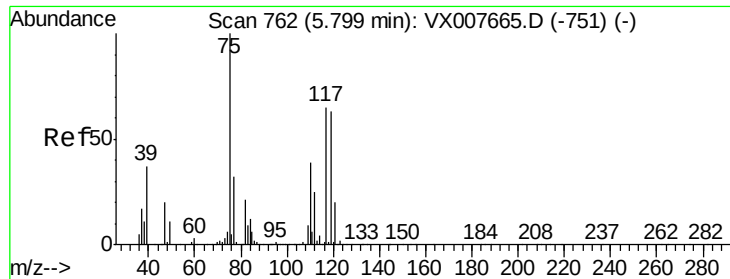
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	35.6
88	15.4	0.0	29.6



#35
Dibromofluoromethane
Concen: 47.628 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	24.3	18.5	27.7

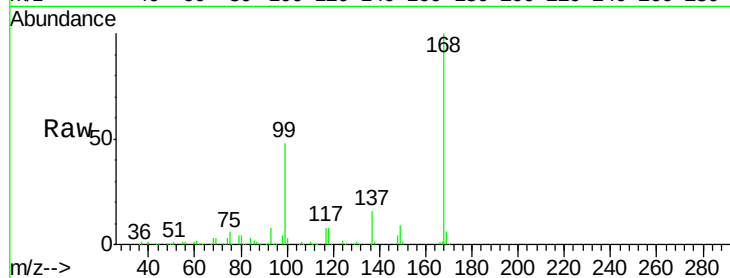




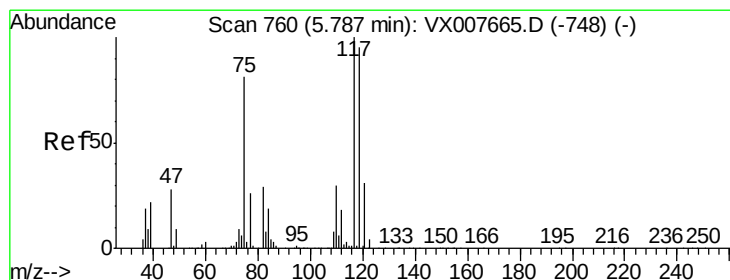
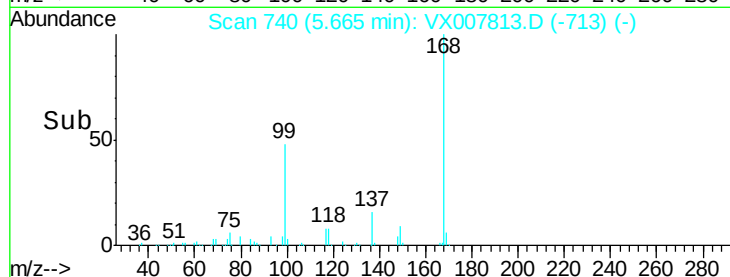
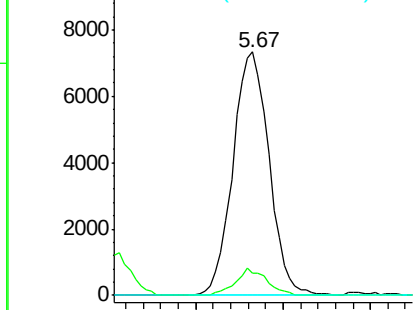
#36
 1,1-Dichloropropene
 Concen: 4.477 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007813.D
 Acq: 04 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.0	59.9#
77	0.0	24.7	37.1#

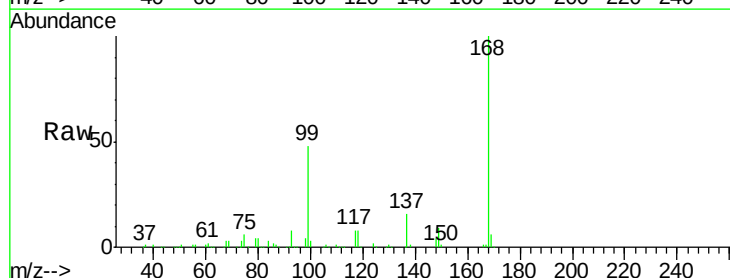


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

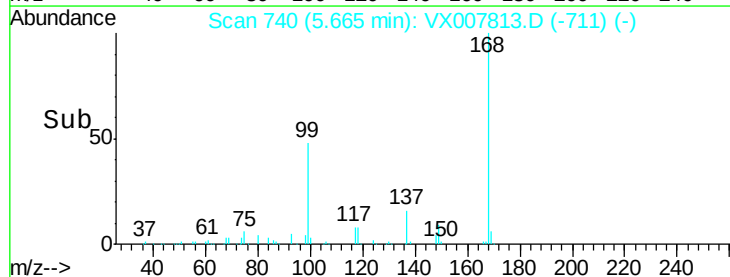
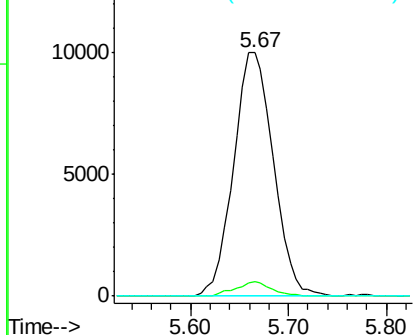


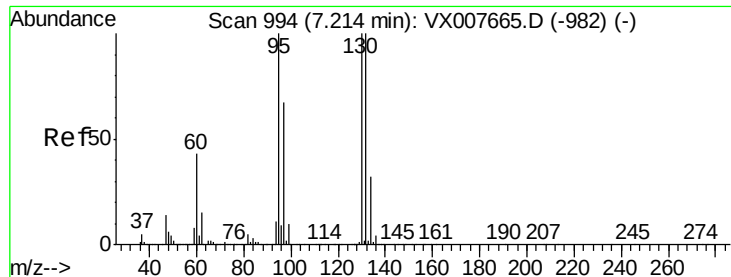
#38
 Carbon Tetrachloride
 Concen: 5.965 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007813.D
 Acq: 04 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	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





#44

Trichloroethene

Concen: 7.312 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

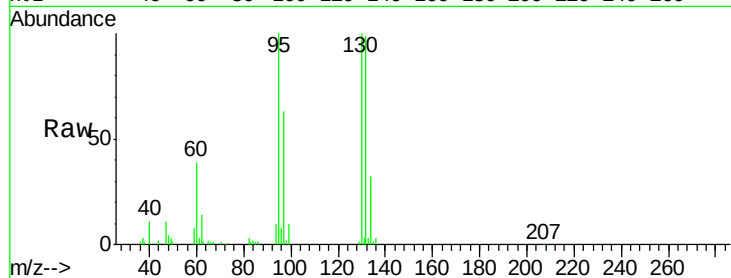
BP-VPB201-GW-485-487

Tot Ion:130 Resp: 29223

Ion Ratio Lower Upper

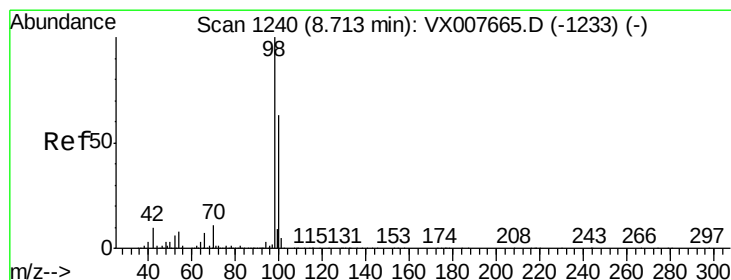
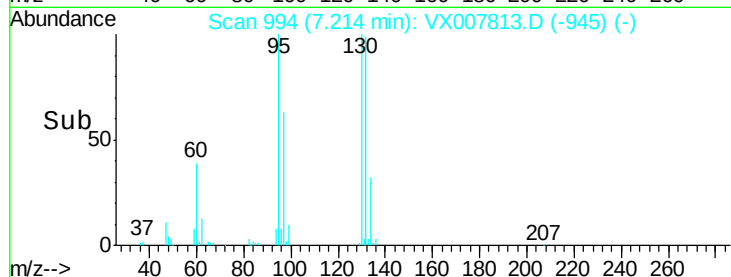
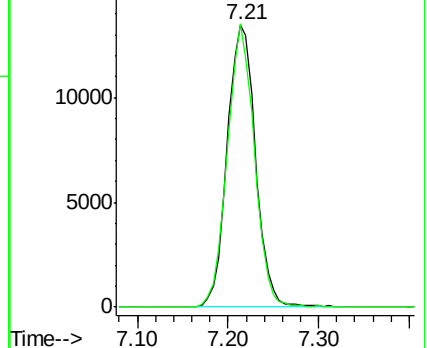
130 100

95 100.3 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.006 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007813.D

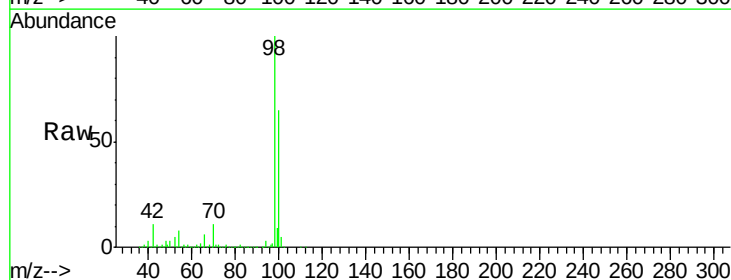
Acq: 04 Mar 2019 16:22

Tgt Ion: 98 Resp: 629735

Ion Ratio Lower Upper

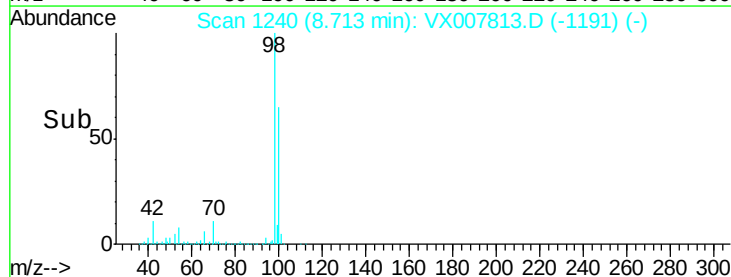
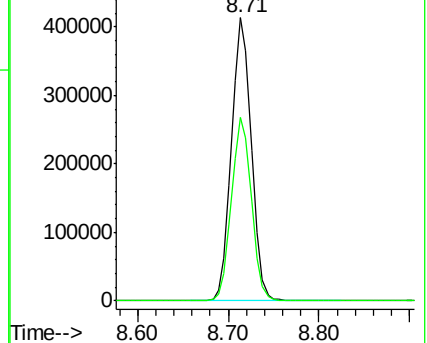
98 100

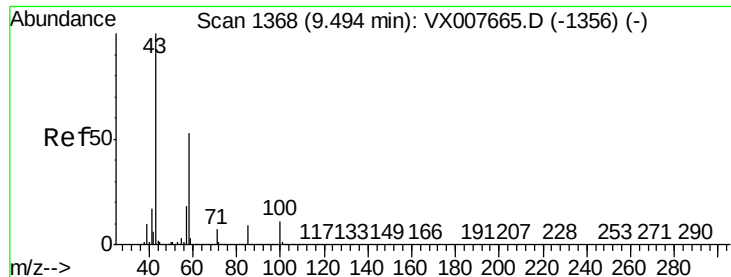
100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

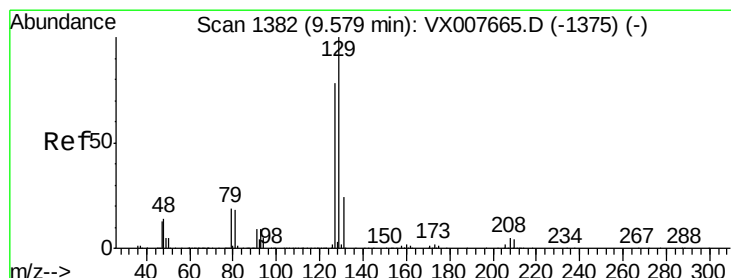
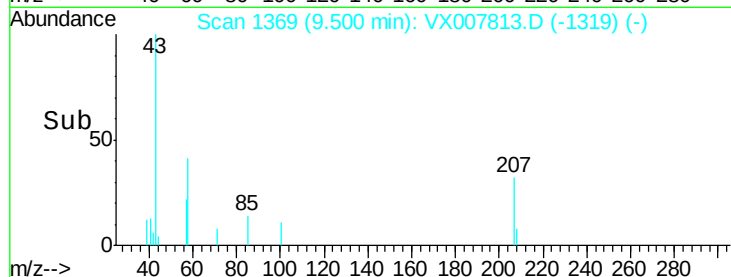
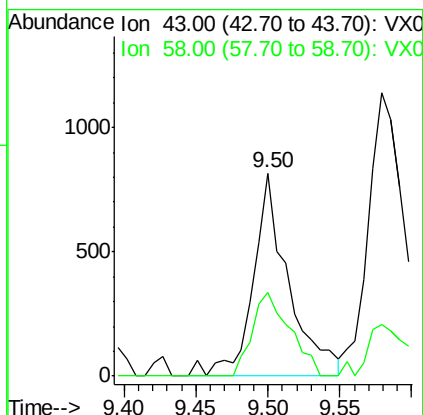
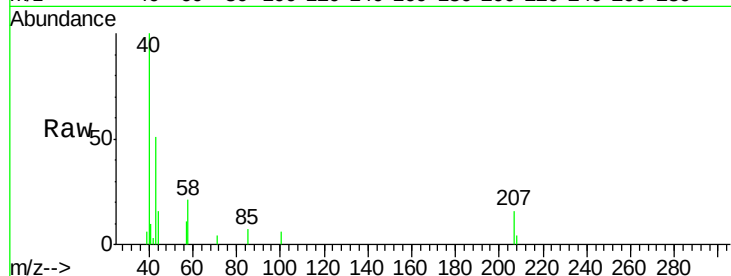




#59
2-Hexanone
Concen: 0.329 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

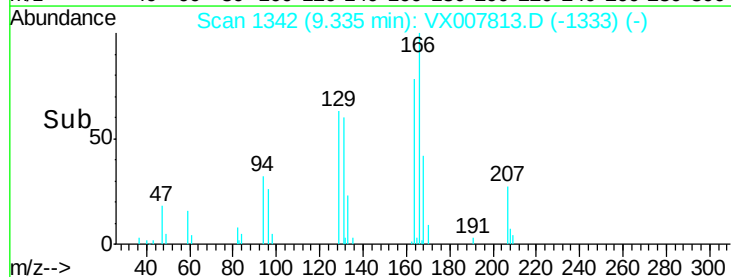
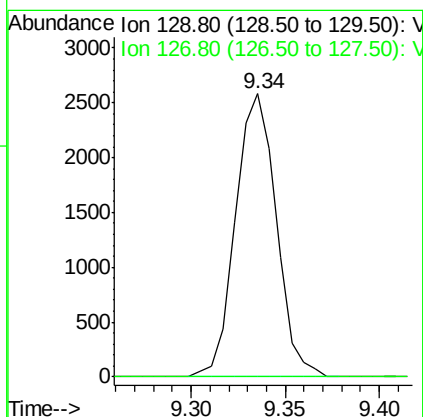
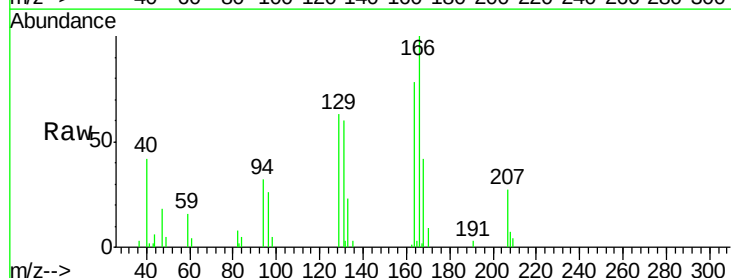
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487

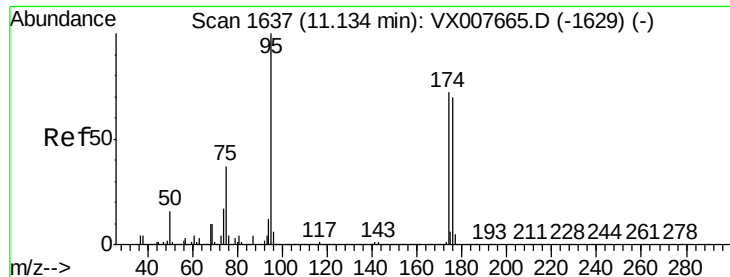
Tot Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
58 43.6 27.1 81.3



#60
Dibromochloromethane
Concen: 1.052 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

Tgt Ion: 129 Resp: 3868
Ion Ratio Lower Upper
129 100
127 0.0 37.8 113.4#





#62

4-Bromofluorobenzene

Concen: 47.223 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487

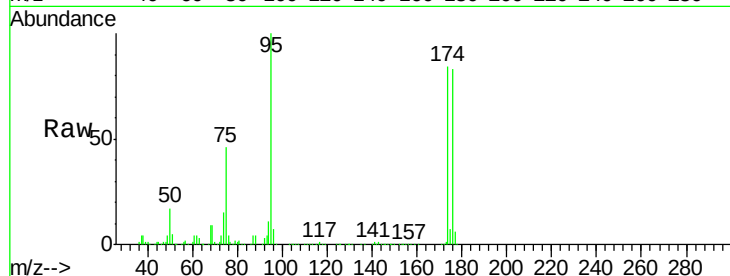
Tot Ion: 95 Resp: 232201

Ion Ratio Lower Upper

95 100

174 91.0 0.0 189.2

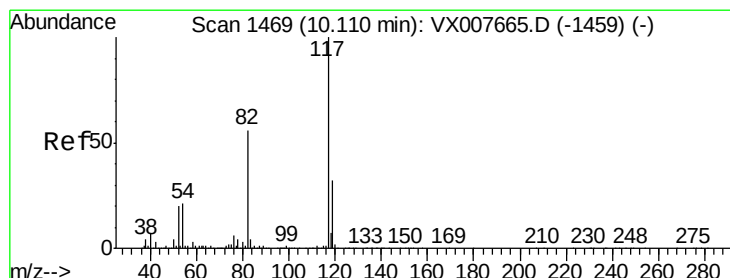
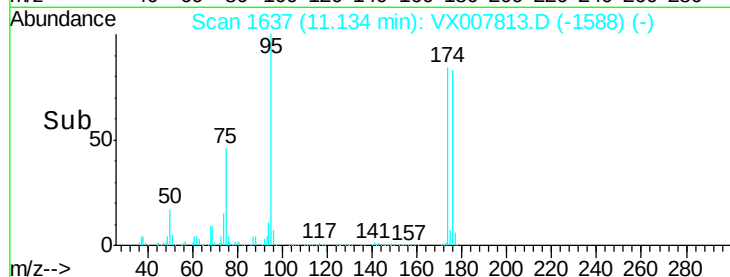
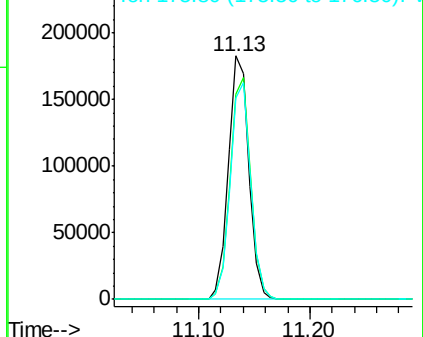
176 89.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007813.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007813.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007813.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

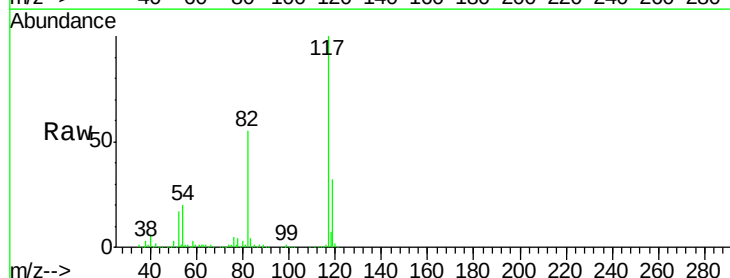
Tgt Ion: 117 Resp: 489380

Ion Ratio Lower Upper

117 100

82 54.8 42.1 63.1

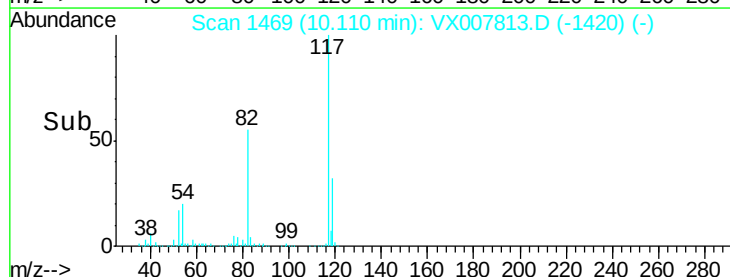
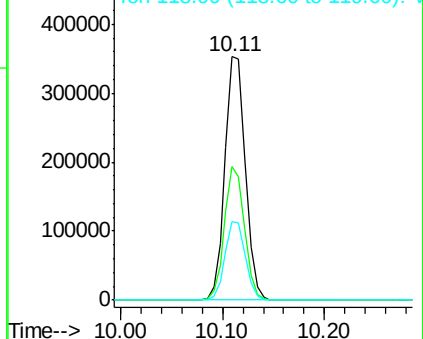
119 32.0 26.5 39.7

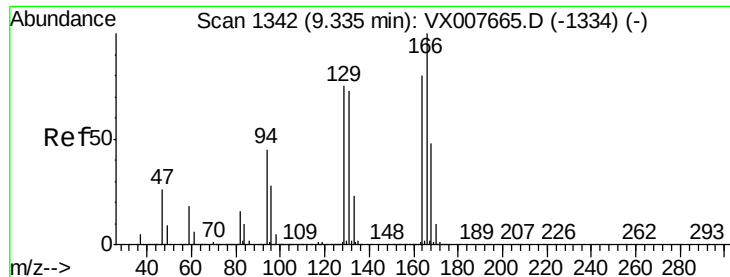


Abundance Ion 116.90 (116.60 to 117.60): VX007813.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007813.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007813.D (-1420) (-)





#64

Tetrachloroethene

Concen: 1.124 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487

Tot Ion:164 Resp: 4467

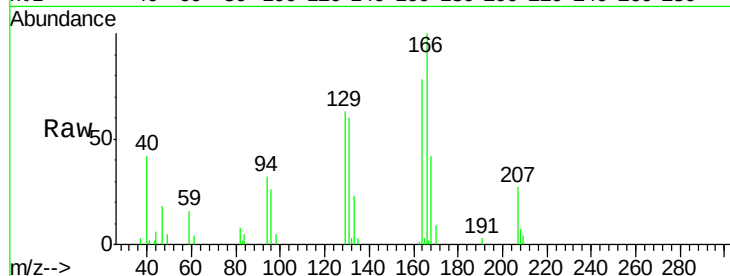
Ion Ratio Lower Upper

164 100

166 128.5 101.0 151.4

129 81.1 70.5 105.7

131 77.5 69.8 104.6

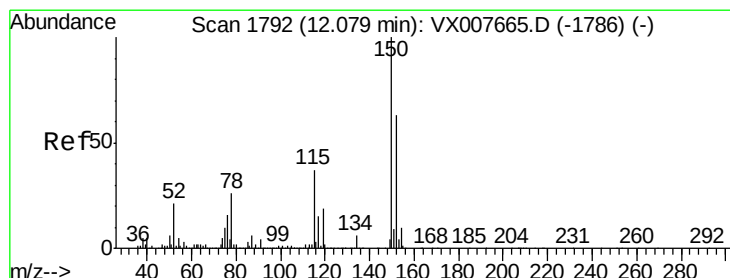
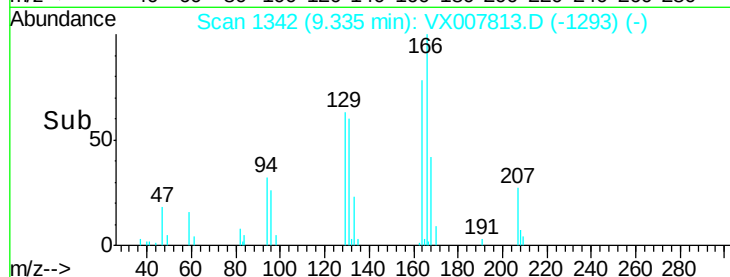
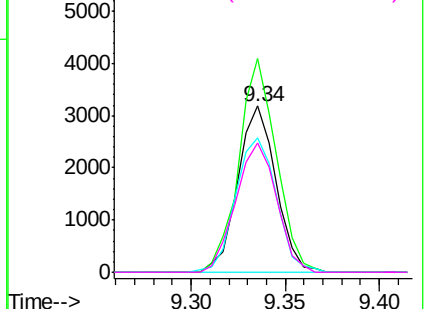


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX007813.D

Acq: 04 Mar 2019 16:22

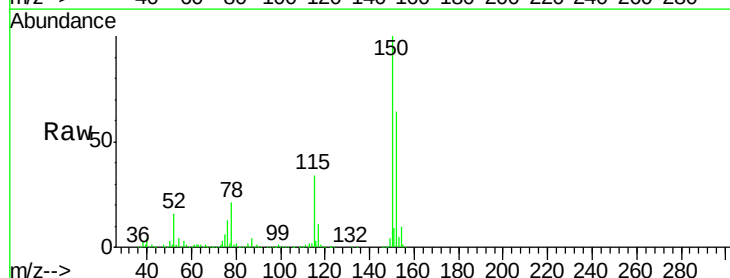
Tgt Ion:152 Resp: 236826

Ion Ratio Lower Upper

152 100

115 54.9 38.0 114.0

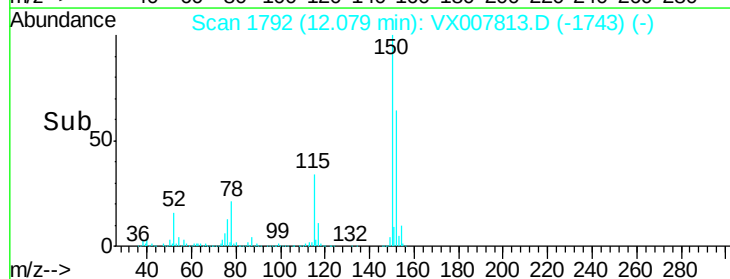
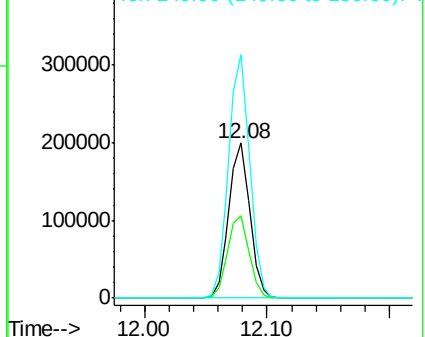
150 157.9 0.0 346.4

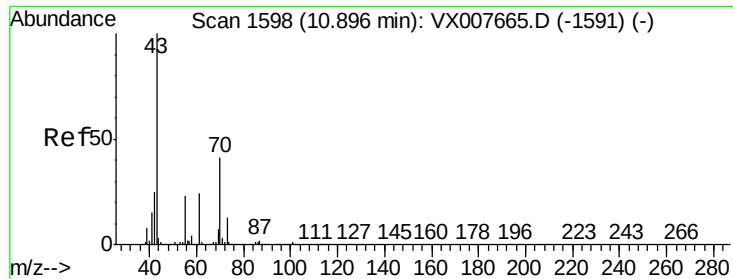


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

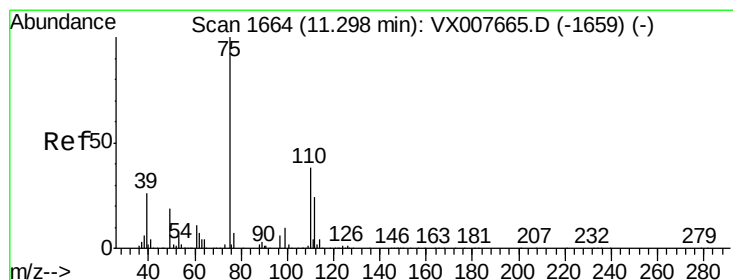
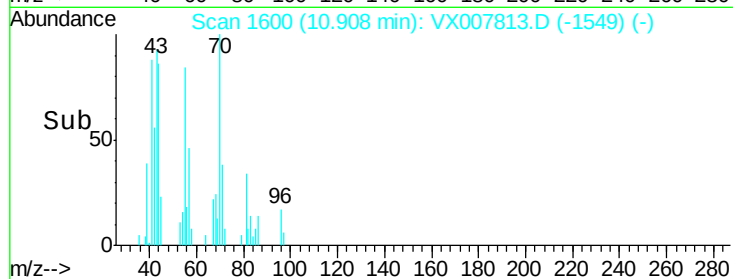
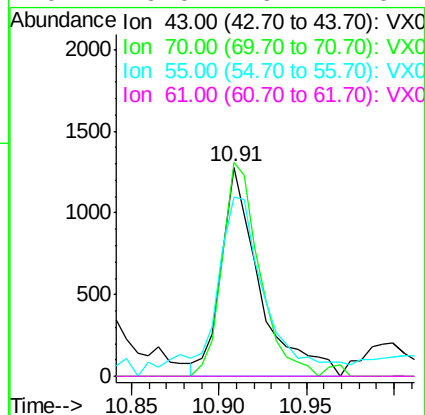
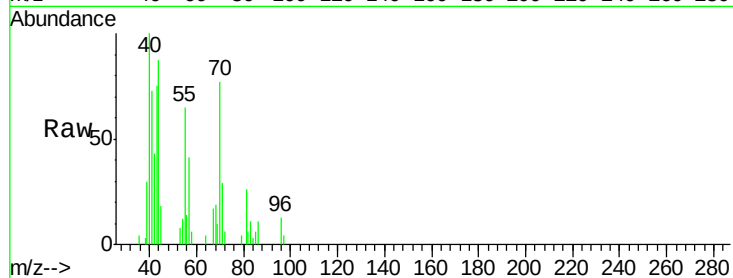




#74
N-amvl acetate
Concen: 0.267 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

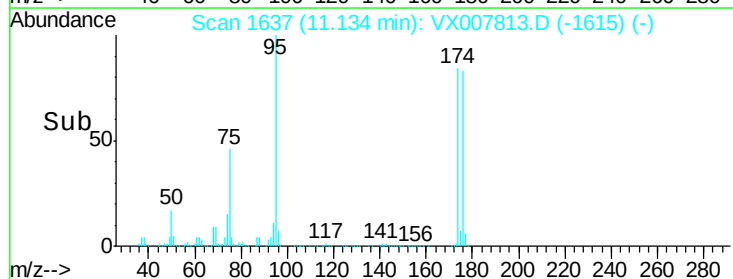
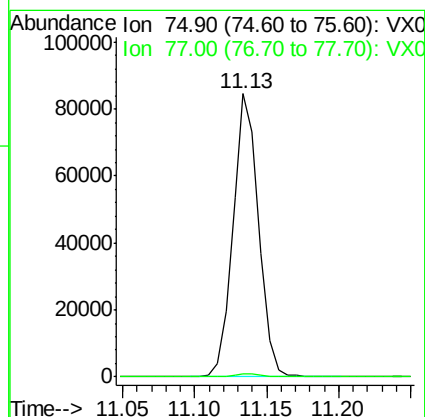
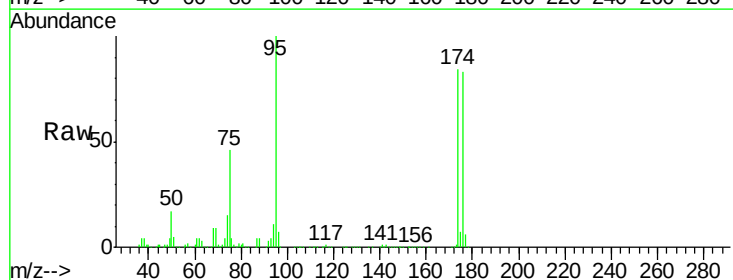
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487

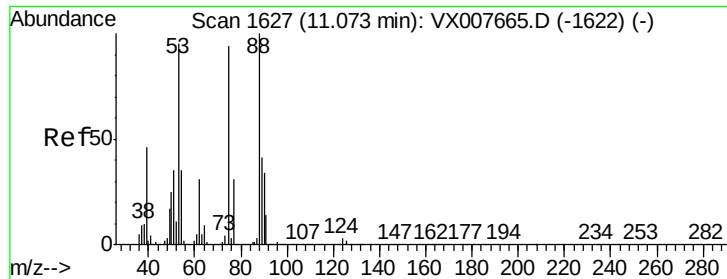
Tot Ion:	43	Resp:	1964
Ion	Ratio	Lower	Upper
43	100		
70	98.8	33.8	50.6#
55	113.2	19.5	29.3#
61	0.0	19.4	29.2#



#76
1,2,3-Trichloropropane
Concen: 20.828 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007813.D
Acq: 04 Mar 2019 16:22

Tgt Ion:	75	Resp:	105140
Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 55.463 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007813.D

Acq: 04 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487

Tot Ion: 75 Resp: 105140

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

