

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007676.D
 Acq On : 25 Feb 2019 16:20
 Operator : JC/SP
 Sample : K1578-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-200-202

Quant Time: Feb 26 02:21:52 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	361005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	618017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	565452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	257166	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	218215	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	5.51	113	198638	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	8.71	98	742417	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.13	95	257867	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

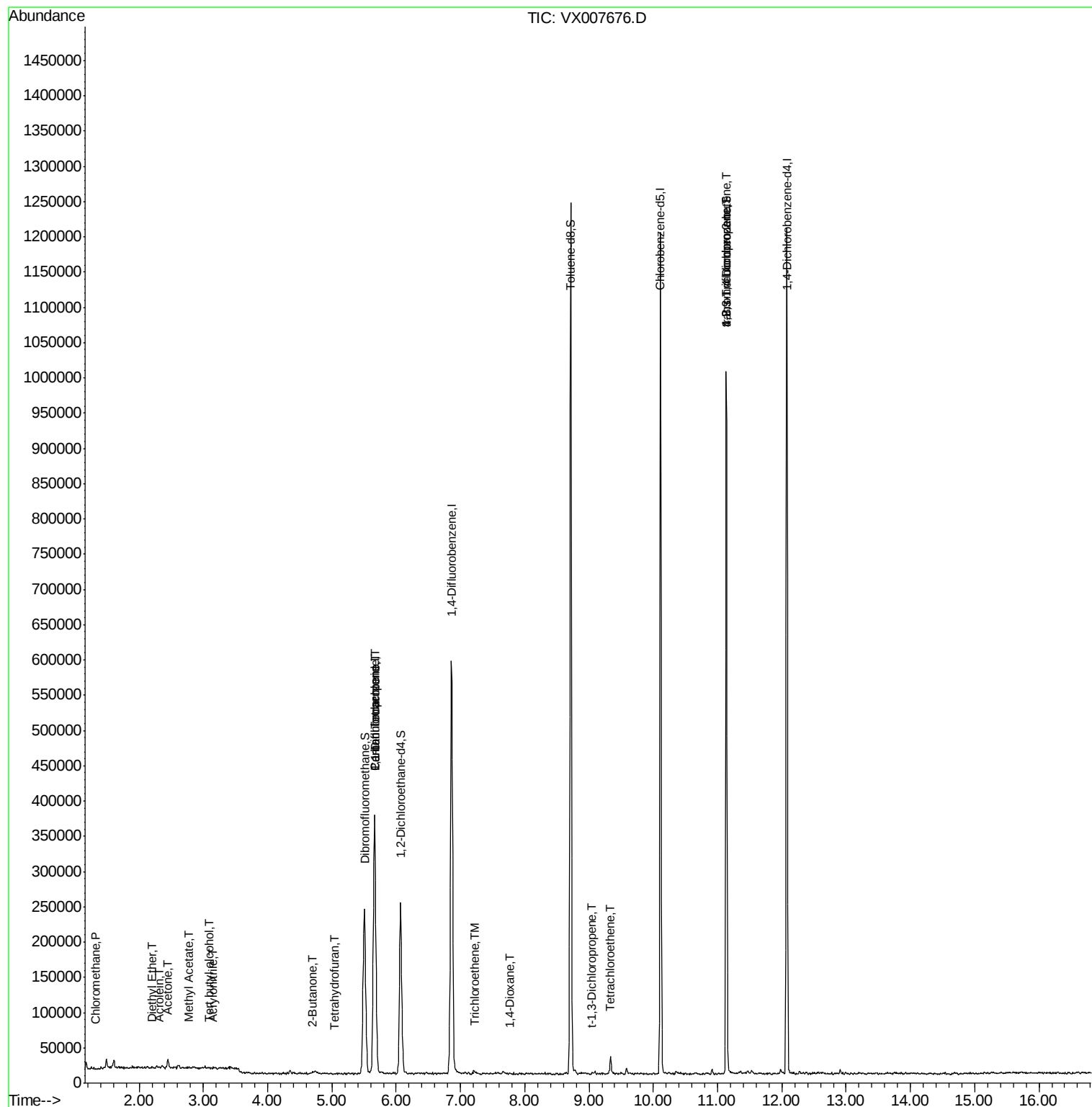
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1192	0.323	ug/l	98
5) Bromomethane	1.65	94	526	Below Cal		82
8) Diethyl Ether	2.21	74	625	0.263	ug/l	91
11) Tert butyl alcohol	3.10	59	460	0.542	ug/l #	1
13) Acrolein	2.31	56	197	0.261	ug/l #	76
15) Acrylonitrile	3.15	53	407	0.204	ug/l #	27
16) Acetone	2.45	43	12907	6.491	ug/l	97
18) Methyl Acetate	2.78	43	969	0.223	ug/l #	70
25) 2-Butanone	4.70	43	4476	1.478	ug/l	96
29) Tetrahydrofuran	5.05	42	455	0.228	ug/l	94
36) 1,1-Dichloropropene	5.67	75	25042	4.507	ug/l #	49
38) Carbon Tetrachloride	5.66	117	33832	6.062	ug/l #	16
44) Trichloroethene	7.23	130	1979	0.419	ug/l	45
49) 1,4-Dioxane	7.77	88	169	1.571	ug/l #	8
53) t-1,3-Dichloropropene	9.04	75	319	2.848	ug/l #	25
64) Tetrachloroethene	9.34	164	5383	1.173	ug/l	85
76) 1,2,3-Trichloropropane	11.13	75	124867	22.779	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	124867	60.377	ug/l #	9

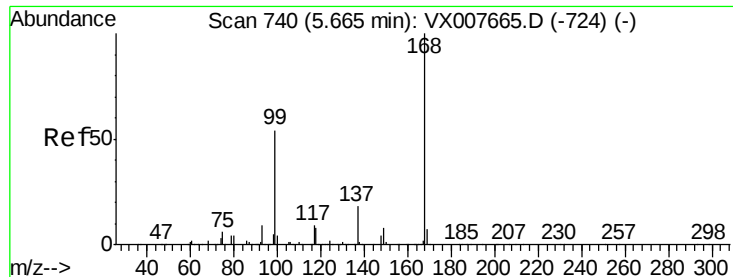
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022519\
Data File : VX007676.D
Acq On : 25 Feb 2019 16:20
Operator : JC/SP
Sample : K1578-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-200-202

Quant Time: Feb 26 02:21:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
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: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

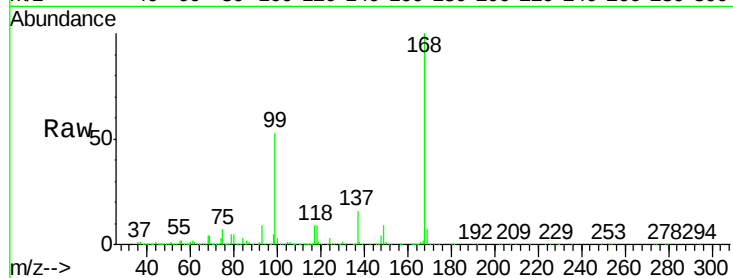
BP-VPB201-GW-200-202

Tot Ion:168 Resp: 361005

Ion Ratio Lower Upper

168 100

99 52.8 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

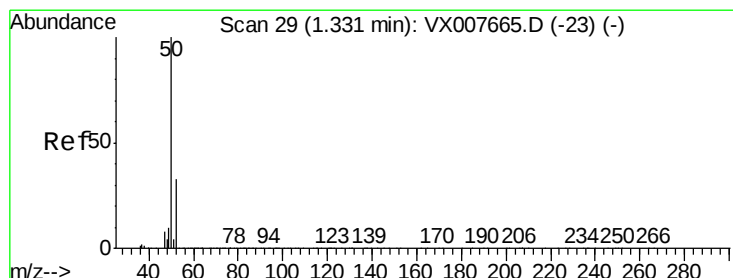
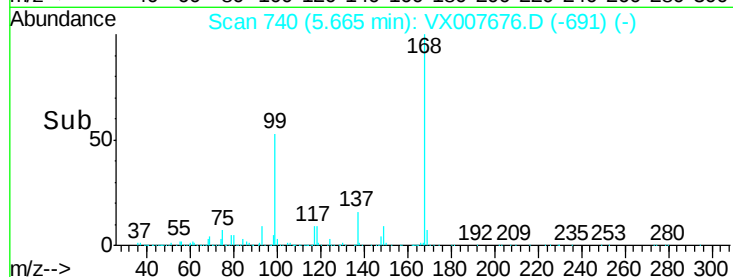
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.323 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007676.D

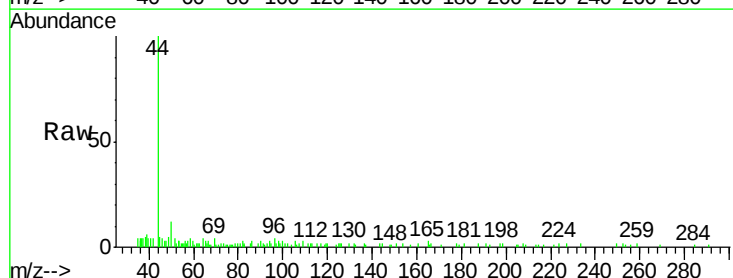
Acq: 25 Feb 2019 16:20

Tgt Ion: 50 Resp: 1192

Ion Ratio Lower Upper

50 100

52 33.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

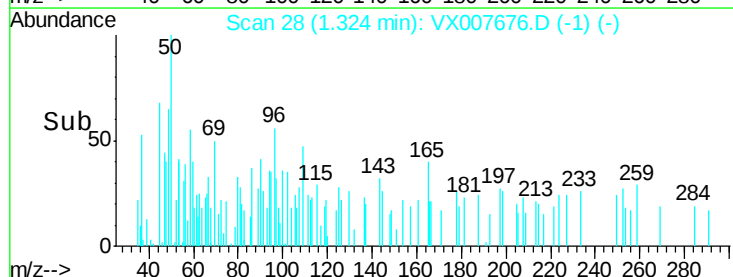
600

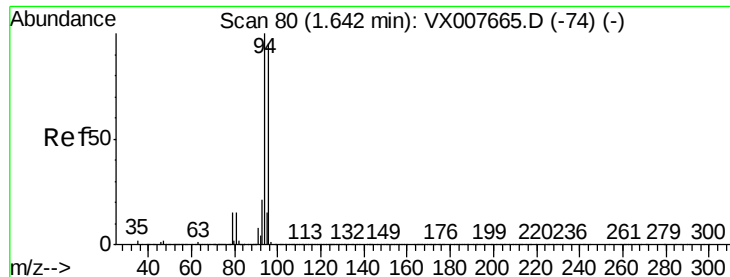
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

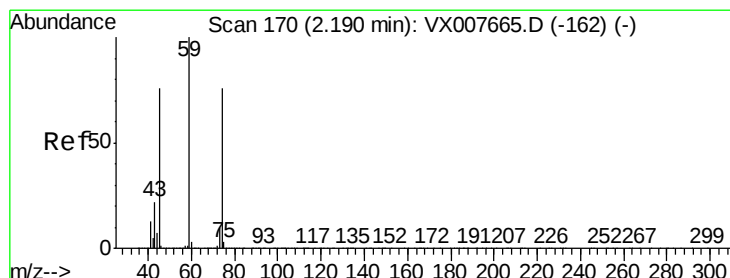
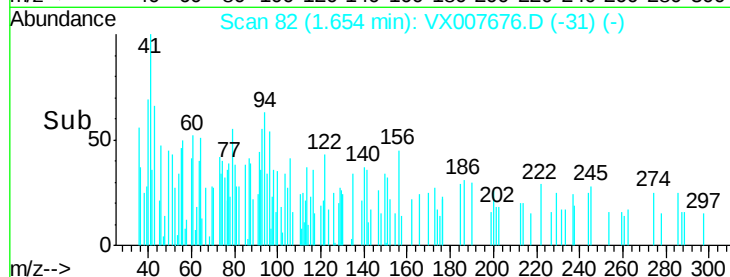
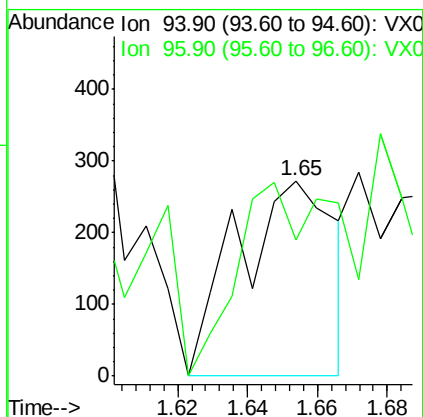
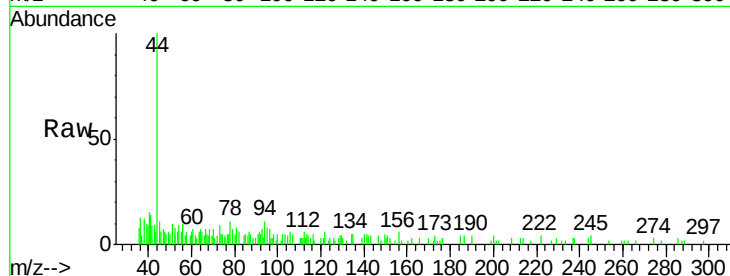
BP-VPB201-GW-200-202

Tot Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 109.8 73.9 110.9



#8

Diethyl Ether

Concen: 0.263 ug/l

RT: 2.21 min Scan# 173

Delta R.T. 0.02 min

Lab File: VX007676.D

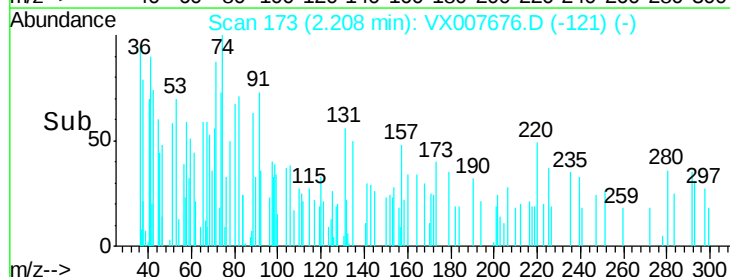
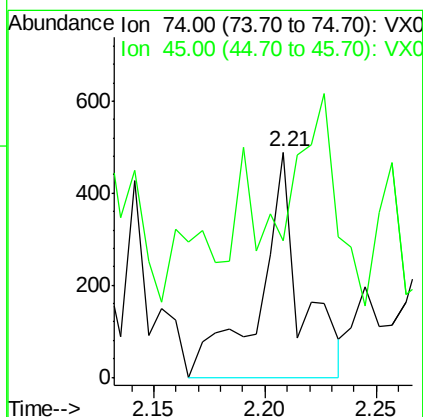
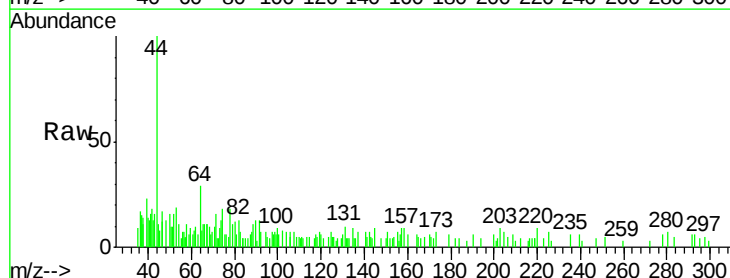
Acq: 25 Feb 2019 16:20

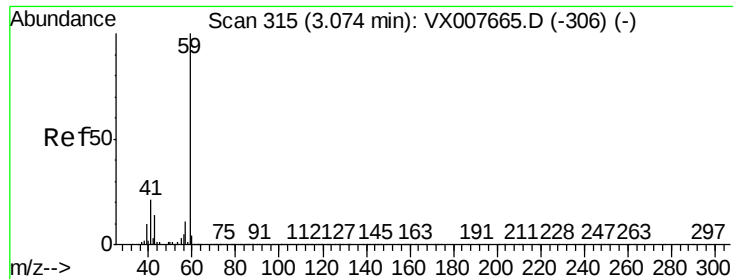
Tgt Ion: 74 Resp: 625

Ion Ratio Lower Upper

74 100

45 82.9 45.7 137.1



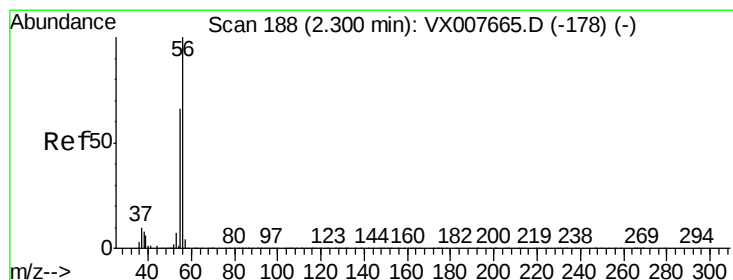
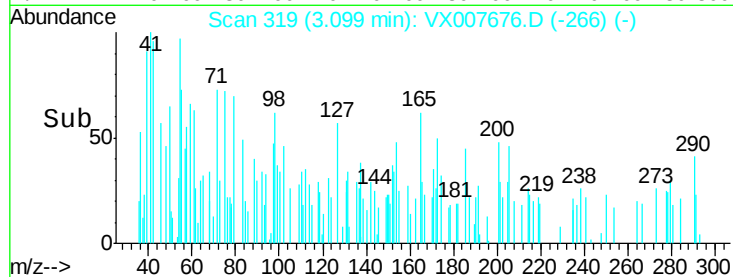
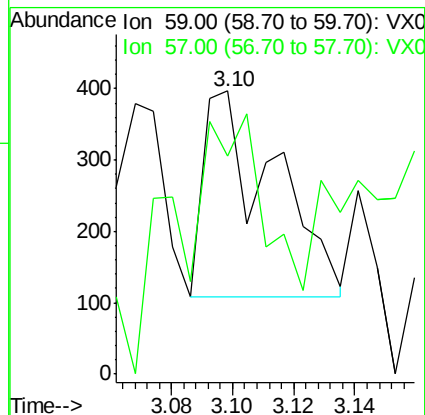
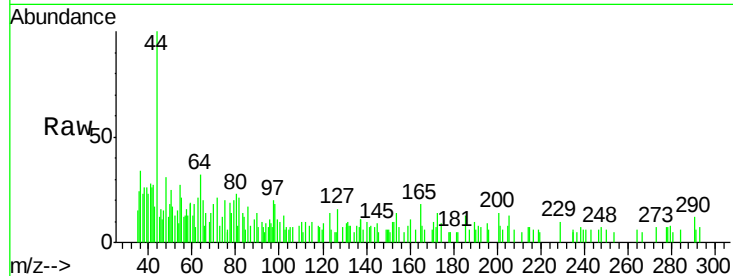


#11

Tert butyl alcohol
Concen: 0.542 ug/l
RT: 3.10 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX007676.D
Acq: 25 Feb 2019 16:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-200-202

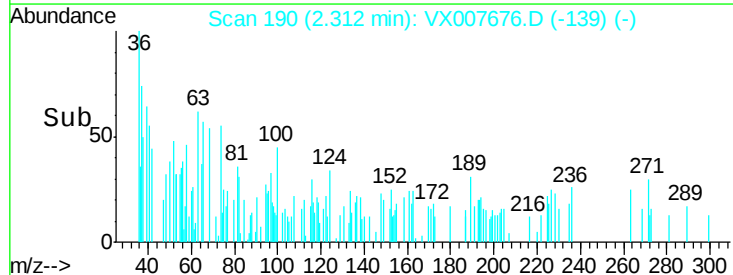
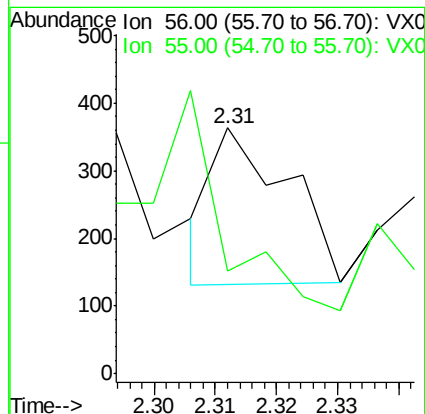
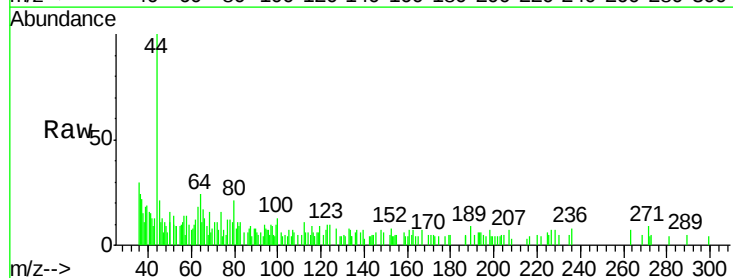
Tot Ion: 59 Resp: 460
Ion Ratio Lower Upper
59 100
57 170.0 8.1 12.1#

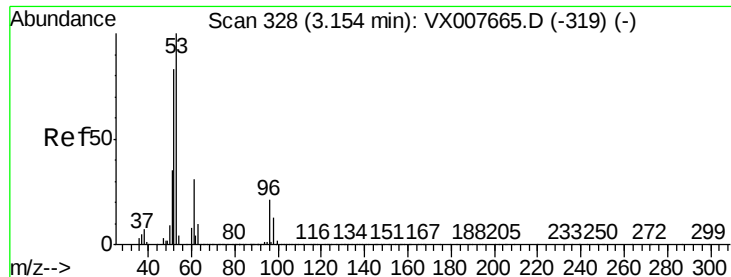


#13

Acrolein
Concen: 0.261 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.01 min
Lab File: VX007676.D
Acq: 25 Feb 2019 16:20

Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 90.9 56.9 85.3#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-200-202

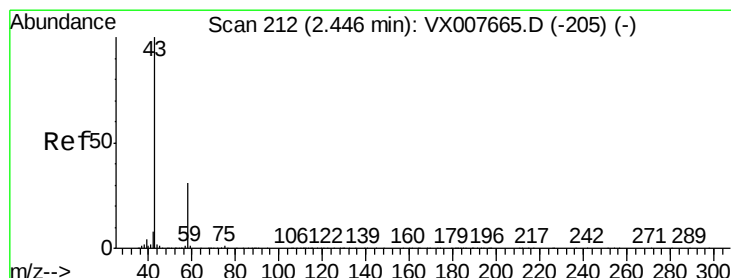
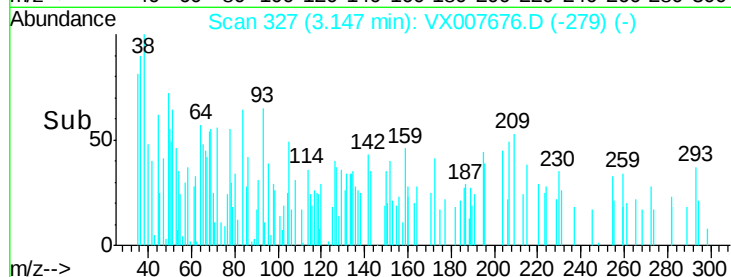
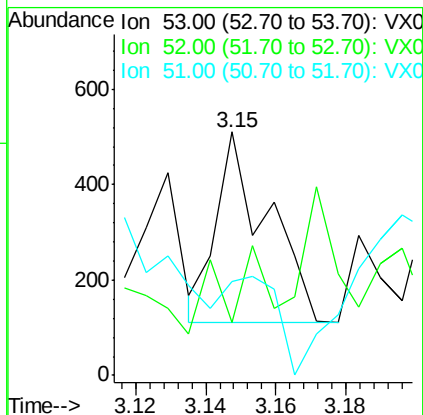
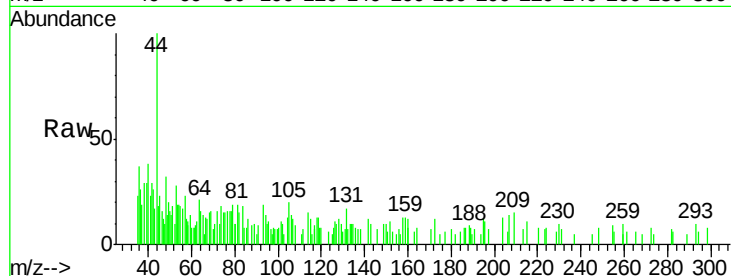
Tot Ion: 53 Resp: 407

Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 52.8 28.4 42.6#



#16

Acetone

Concen: 6.491 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007676.D

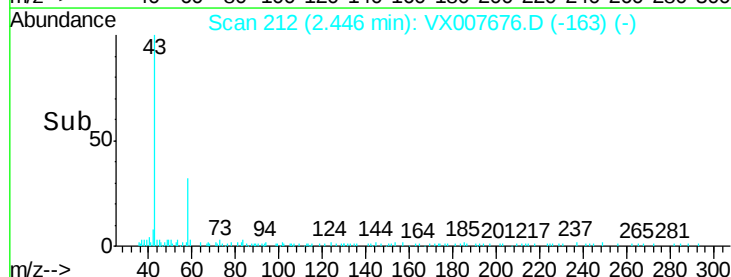
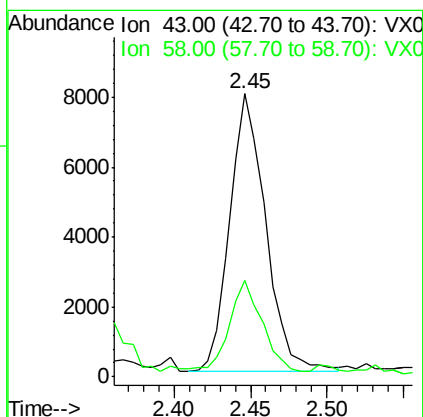
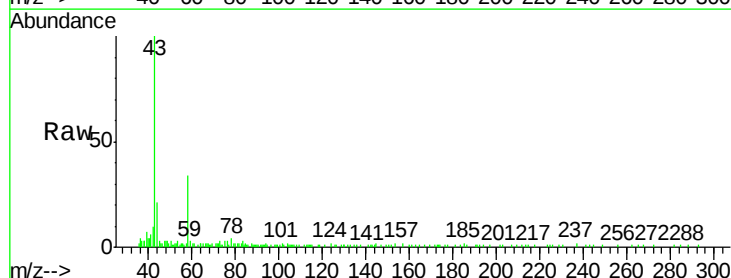
Acq: 25 Feb 2019 16:20

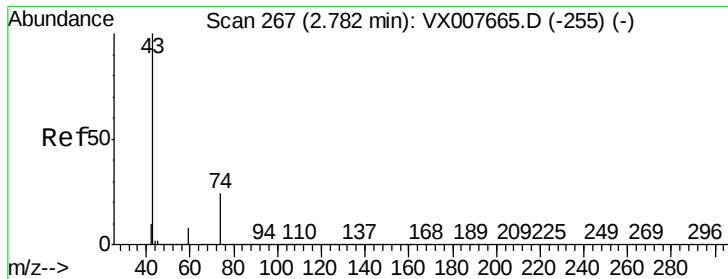
Tgt Ion: 43 Resp: 12907

Ion Ratio Lower Upper

43 100

58 32.5 24.9 37.3

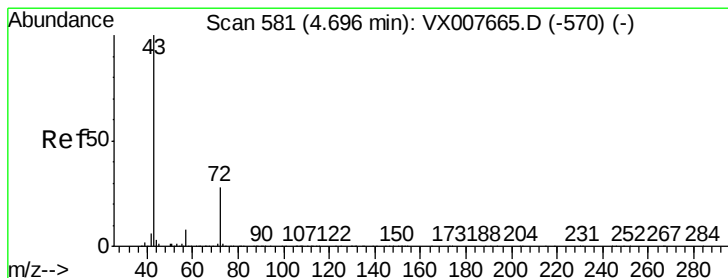
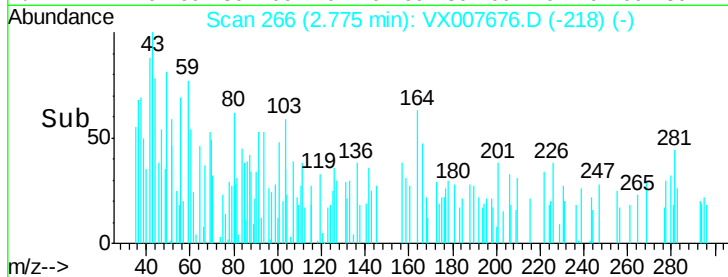
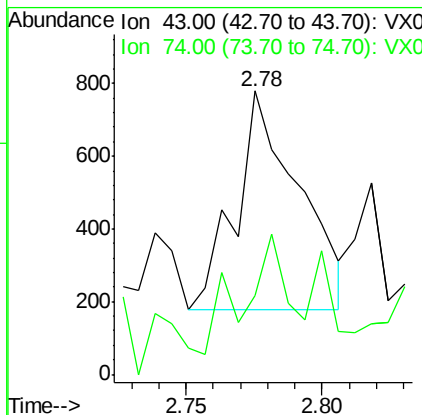
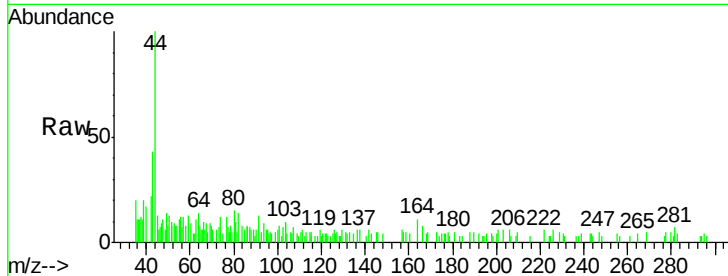




#18
Methyl Acetate
Concen: 0.223 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007676.D
Acq: 25 Feb 2019 16:20

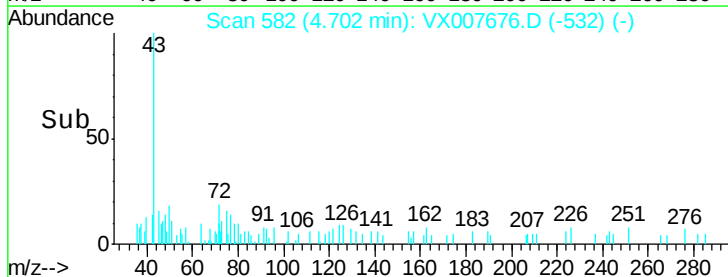
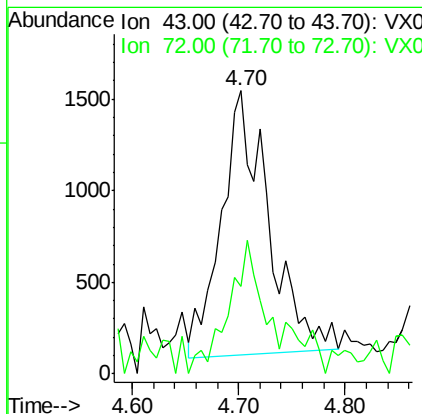
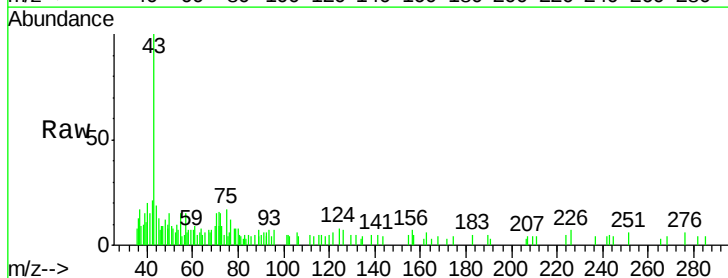
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-200-202

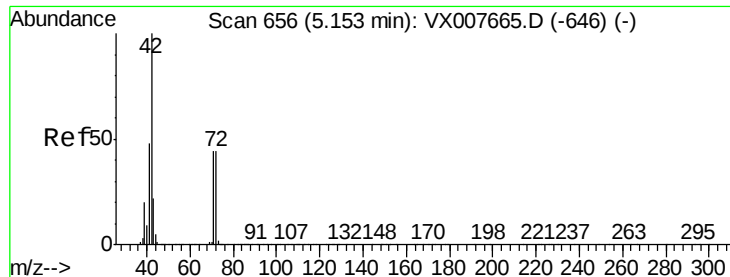
Tot Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
74 39.3 19.4 29.2#



#25
2-Butanone
Concen: 1.478 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007676.D
Acq: 25 Feb 2019 16:20

Tgt Ion: 43 Resp: 4476
Ion Ratio Lower Upper
43 100
72 29.8 22.2 33.2





#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.10 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-200-202

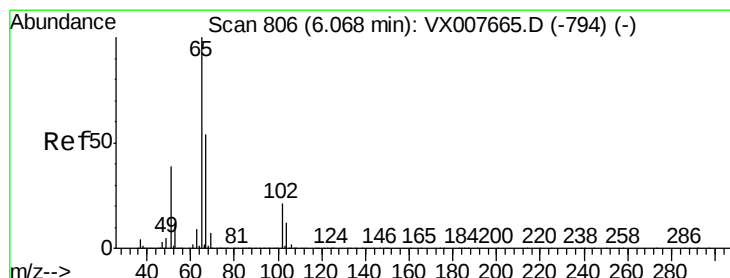
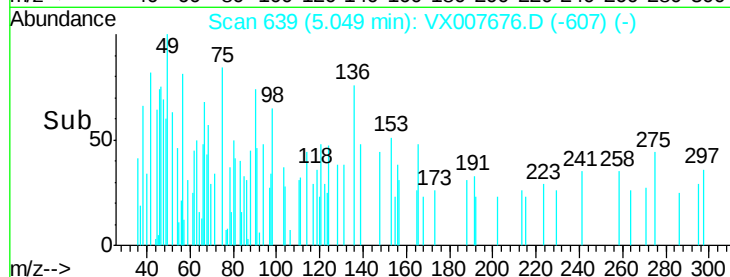
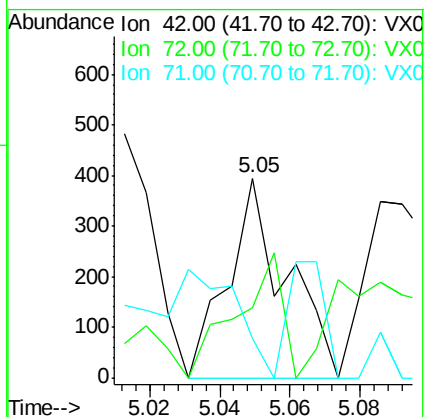
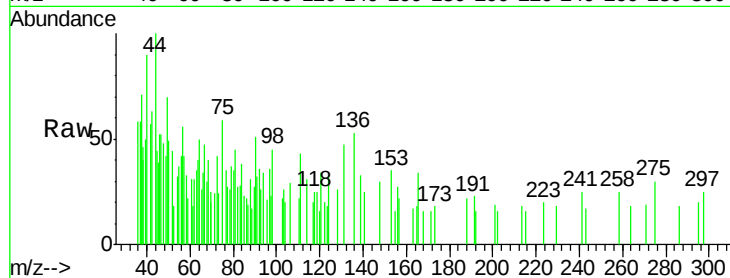
Tot Ion: 42 Resp: 455

Ion Ratio Lower Upper

42 100

72 48.8 37.6 56.4

71 36.7 34.6 51.8



#33

1,2-Dichloroethane-d4

Concen: 48.799 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007676.D

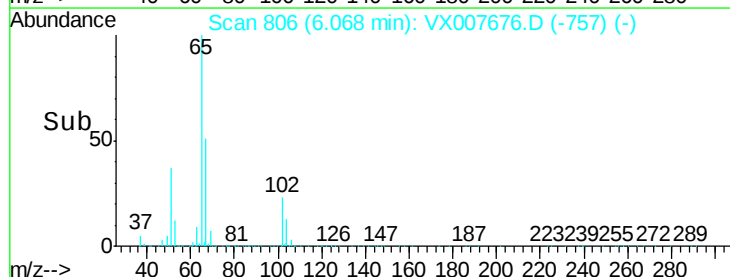
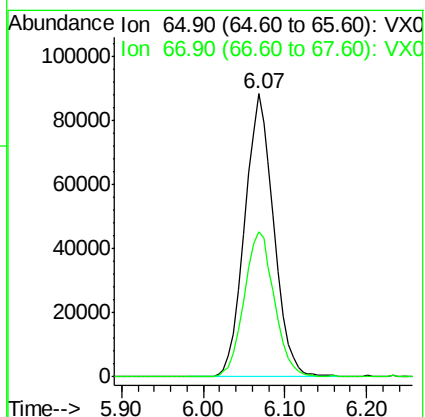
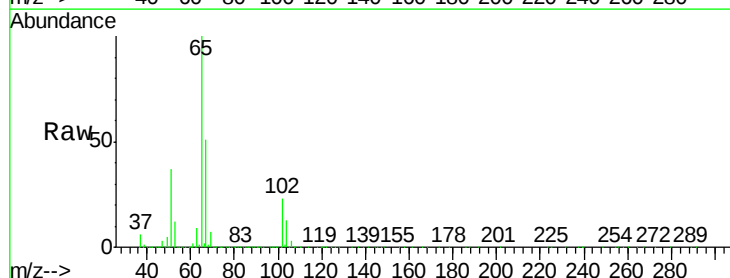
Acq: 25 Feb 2019 16:20

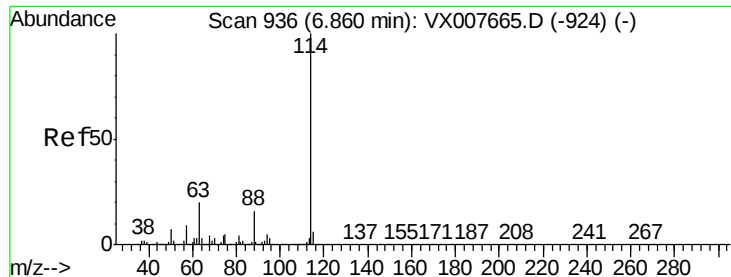
Tgt Ion: 65 Resp: 218215

Ion Ratio Lower Upper

65 100

67 53.0 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: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-200-202

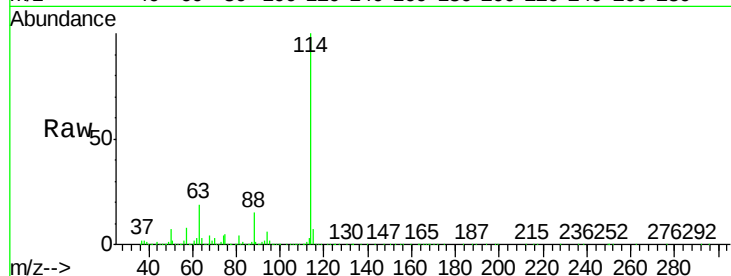
Tot Ion:114 Resp: 618017

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

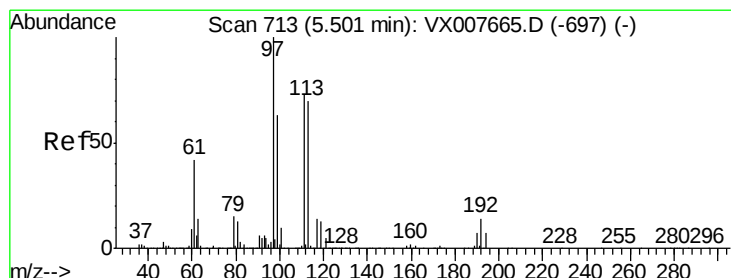
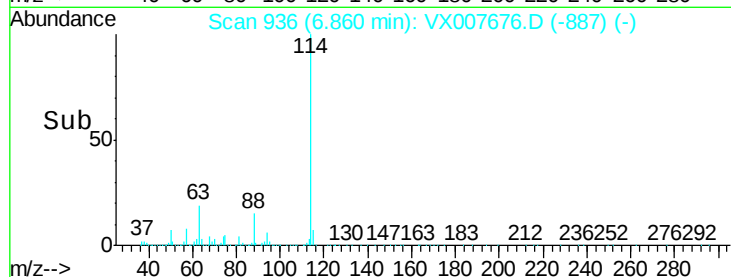
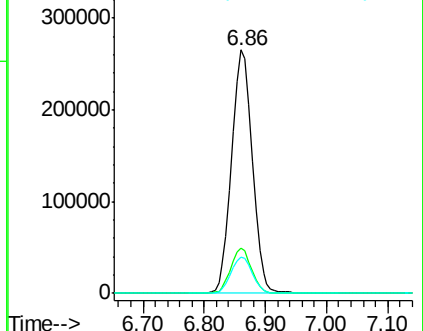
88 14.8 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.082 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

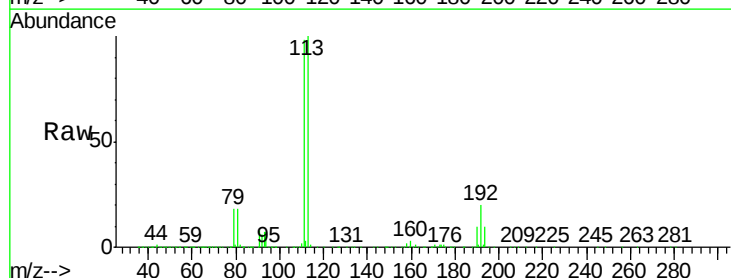
Tgt Ion:113 Resp: 198638

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

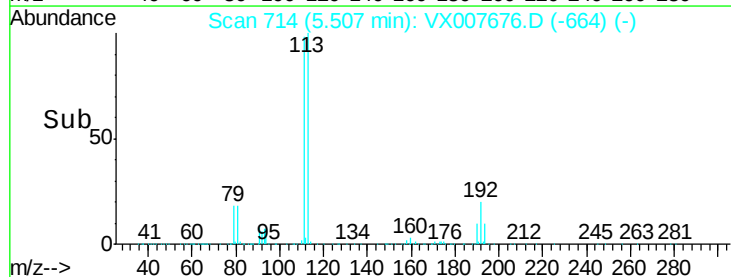
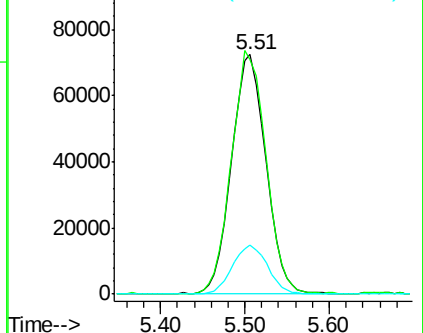
192 21.2 18.5 27.7

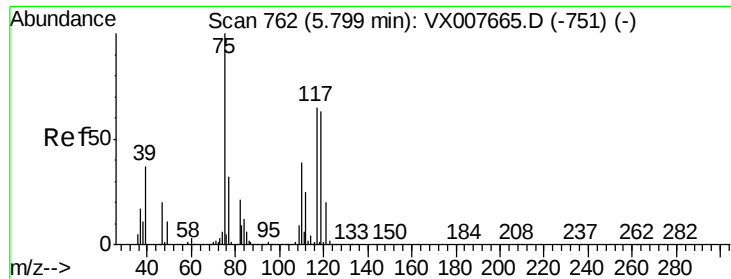


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

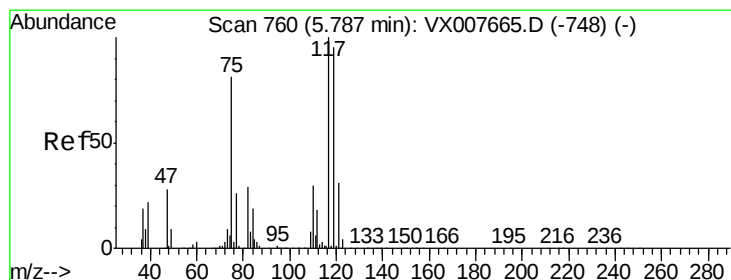
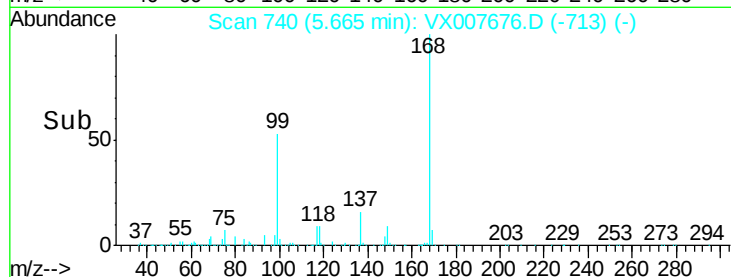
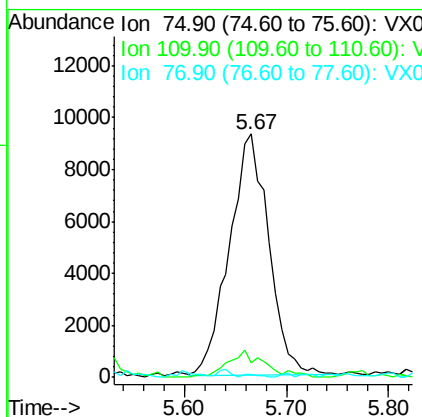
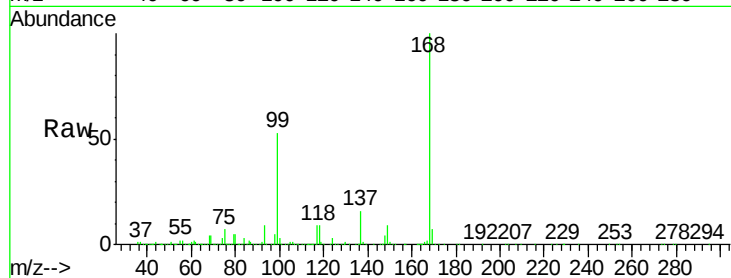




#36
 1,1-Dichloropropene
 Concen: 4.507 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007676.D
 Acq: 25 Feb 2019 16:20

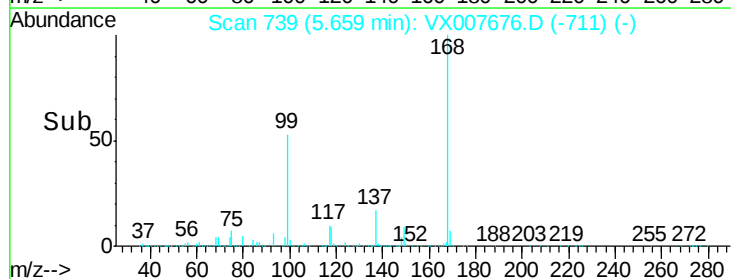
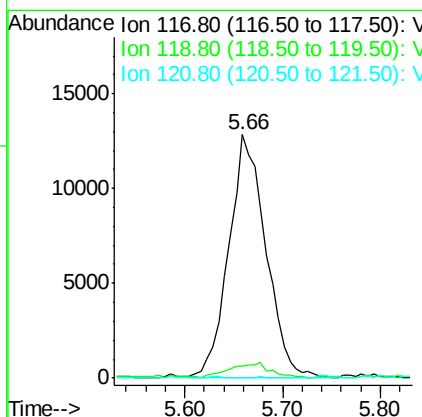
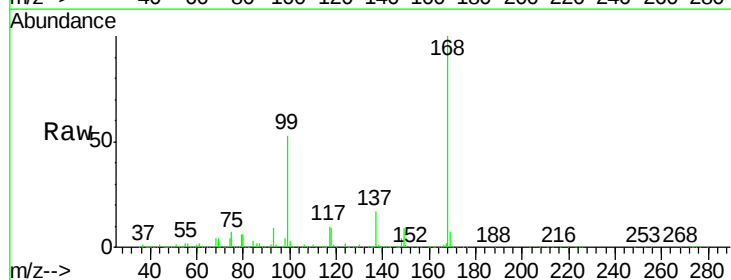
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-200-202

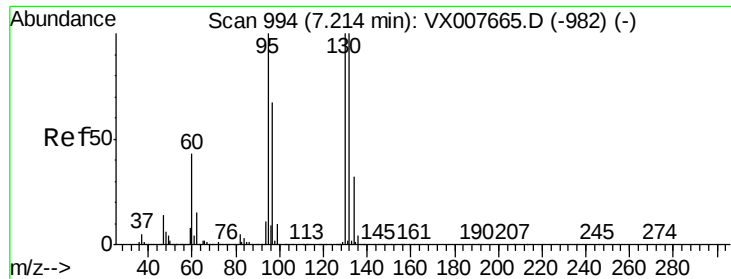
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.0	59.9#
77	0.6	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX007676.D
 Acq: 25 Feb 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.3	112.9#
121	0.0	25.0	37.4#





#44

Trichloroethene

Concen: 0.419 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

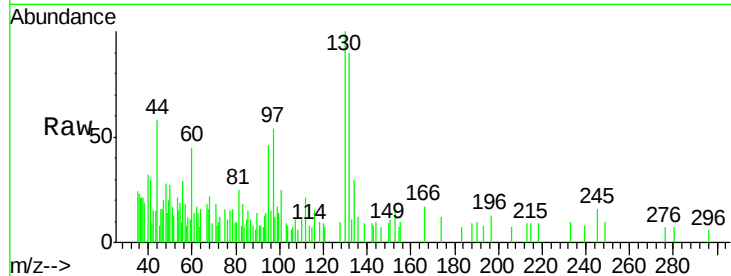
BP-VPB201-GW-200-202

Tot Ion:130 Resp: 1979

Ion Ratio Lower Upper

130 100

95 38.2 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.23

800

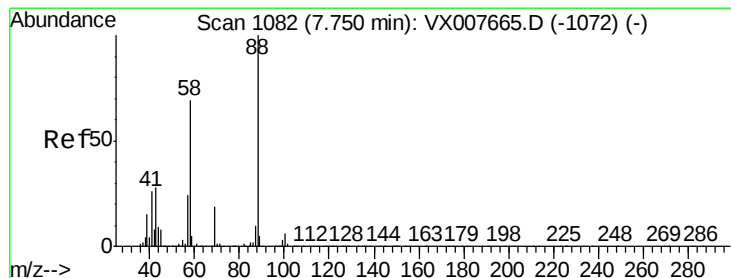
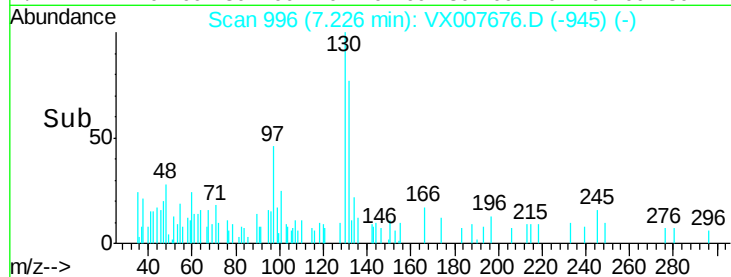
600

400

200

0

Time-->



#49

1,4-Dioxane

Concen: 1.571 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

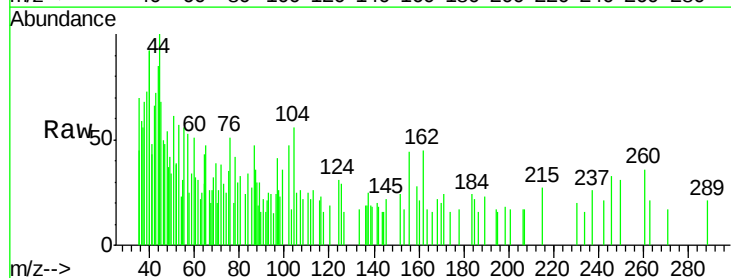
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 189.9 24.2 36.4#

58 66.3 53.0 79.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400

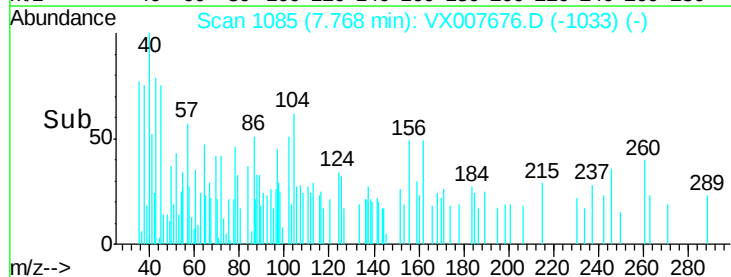
300

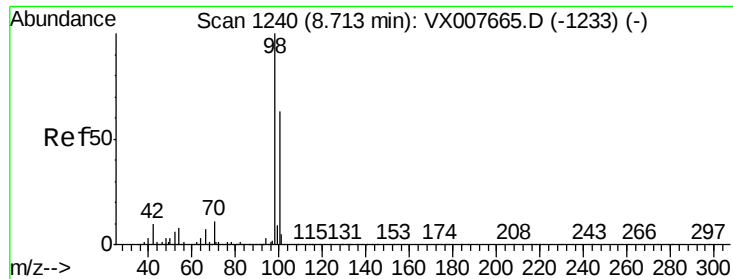
200

100

0

Time-->





#50

Toluene-d8

Concen: 46.941 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

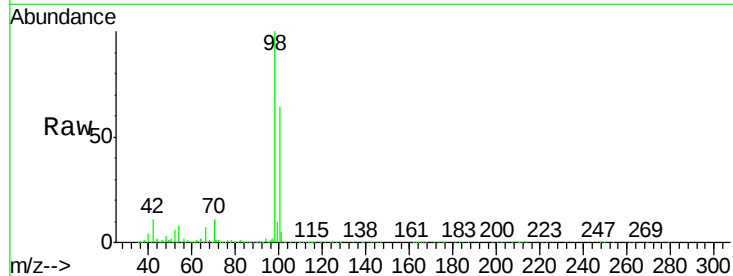
BP-VPB201-GW-200-202

Tot Ion: 98 Resp: 742417

Ion Ratio Lower Upper

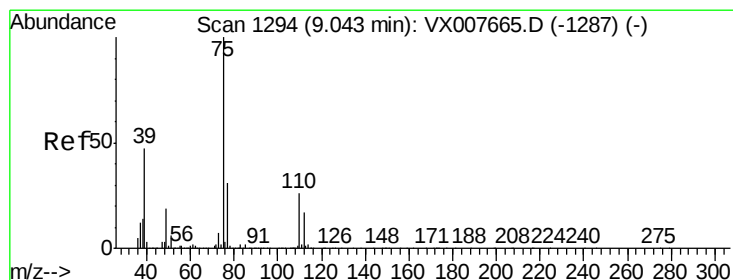
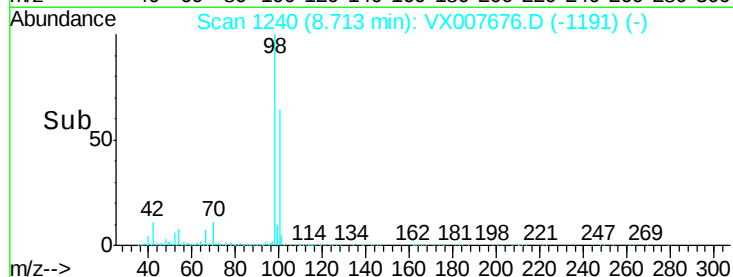
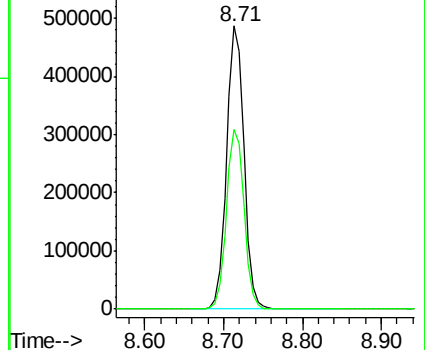
98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.848 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007676.D

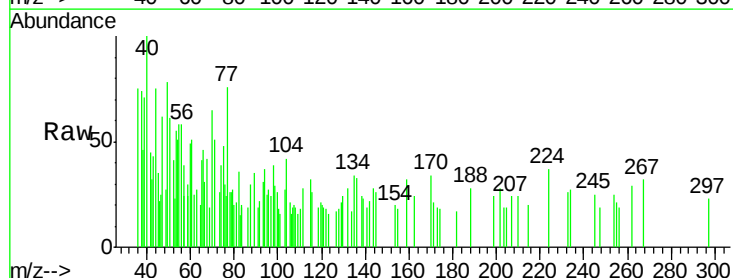
Acq: 25 Feb 2019 16:20

Tgt Ion: 75 Resp: 319

Ion Ratio Lower Upper

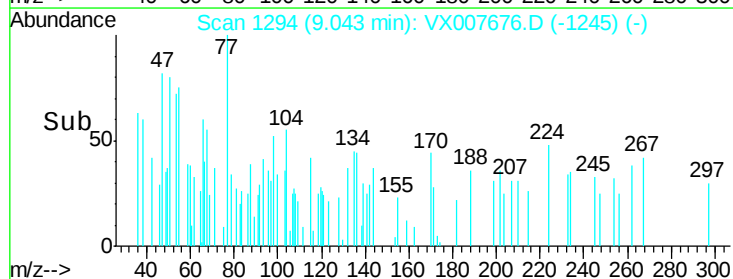
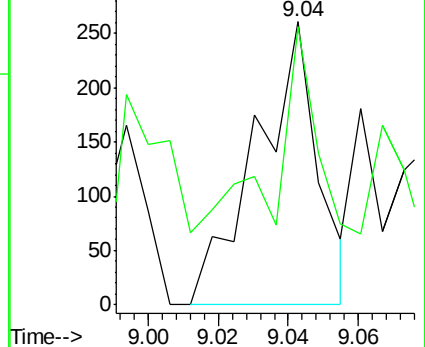
75 100

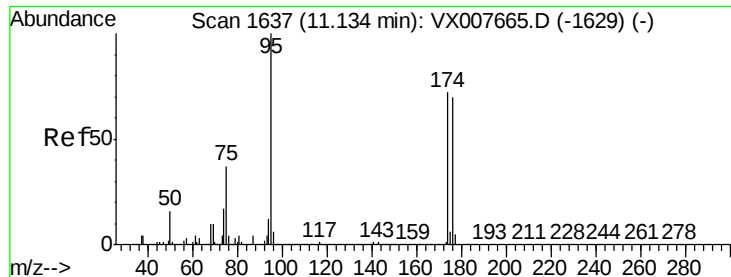
77 72.8 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#62

4-Bromofluorobenzene

Concen: 44.421 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-200-202

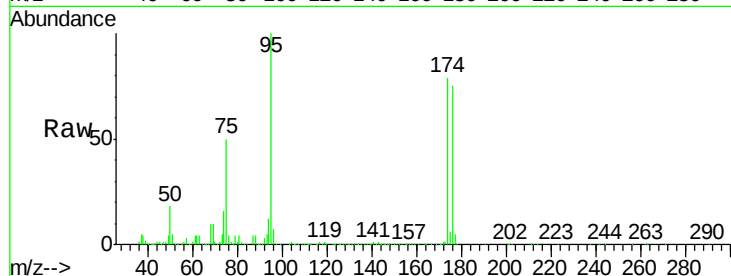
Tot Ion: 95 Resp: 257867

Ion Ratio Lower Upper

95 100

174 85.7 0.0 189.2

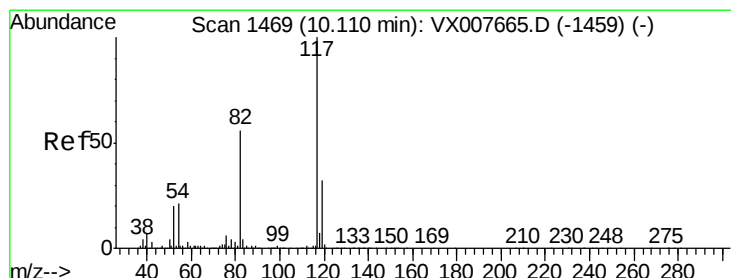
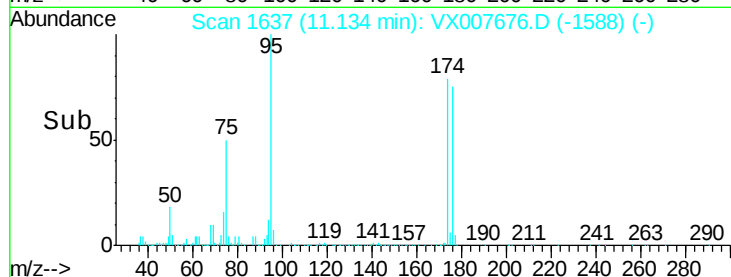
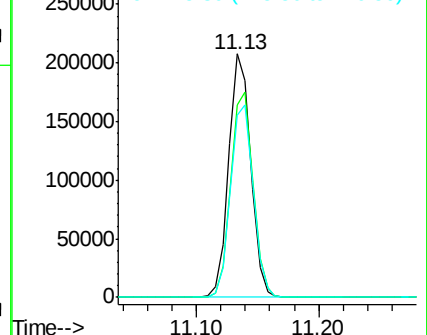
176 81.6 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007665.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX007665.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX007665.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

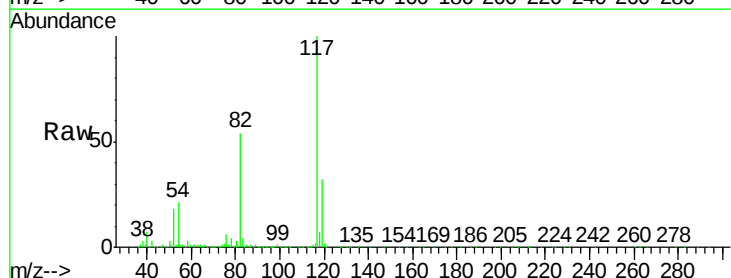
Tgt Ion: 117 Resp: 565452

Ion Ratio Lower Upper

117 100

82 53.8 42.1 63.1

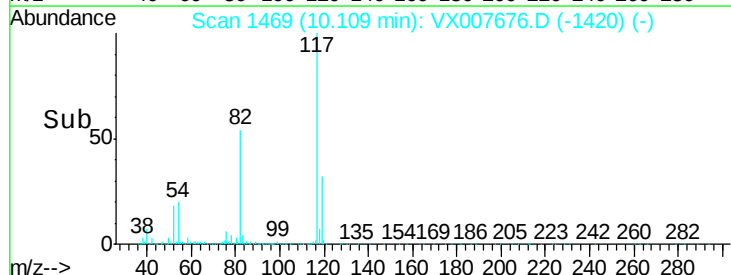
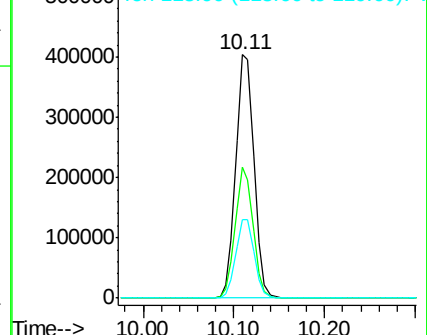
119 32.5 26.5 39.7

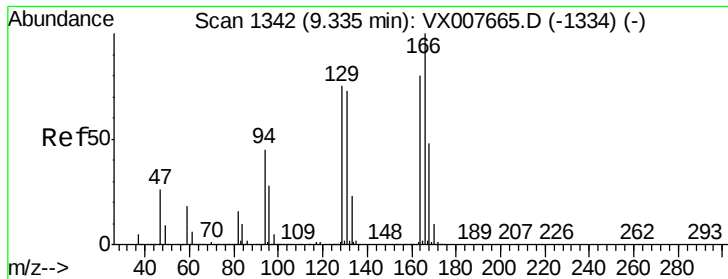


Abundance Ion 116.90 (116.60 to 117.60): VX007665.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007665.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007665.D (-1459) (-)





#64

Tetrachloroethene

Concen: 1.173 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-200-202

Tot Ion:164 Resp: 5383

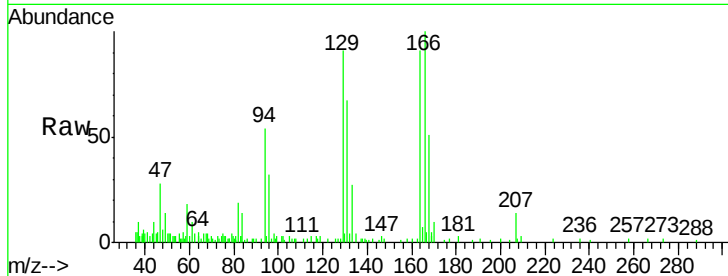
Ion Ratio Lower Upper

164 100

166 107.4 101.0 151.4

129 100.1 70.5 105.7

131 73.5 69.8 104.6



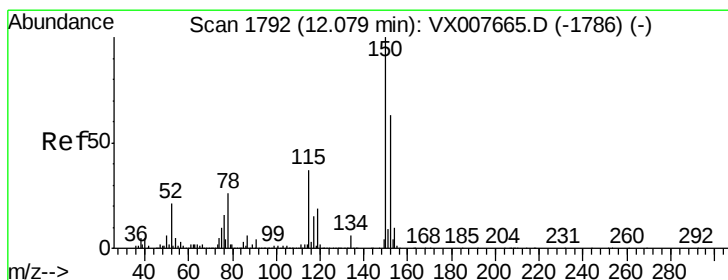
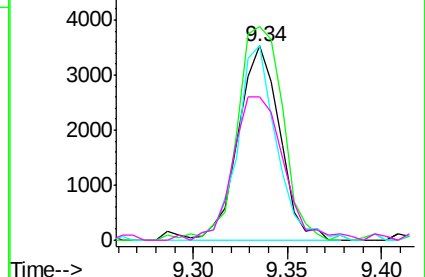
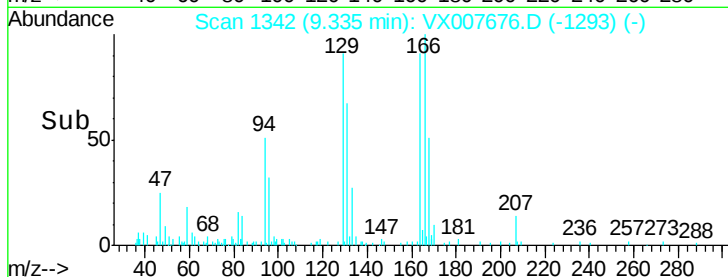
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007676.D

Acq: 25 Feb 2019 16:20

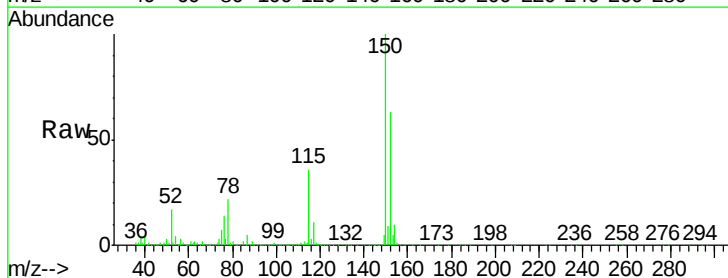
Tgt Ion:152 Resp: 257166

Ion Ratio Lower Upper

152 100

115 58.0 38.0 114.0

150 159.2 0.0 346.4

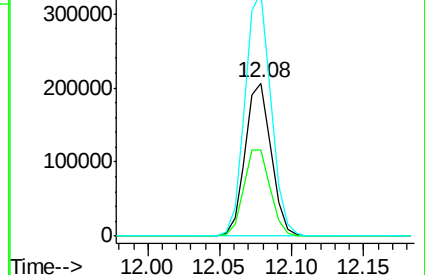
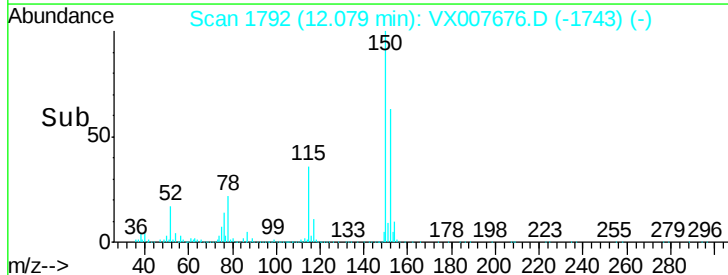


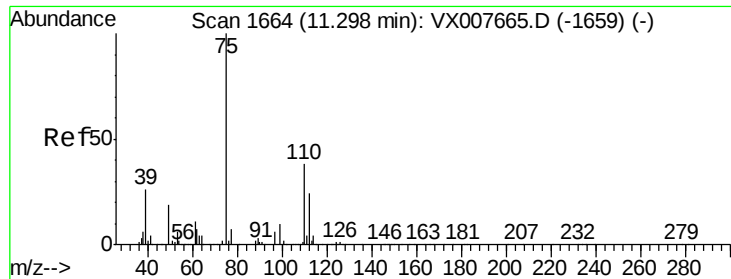
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->

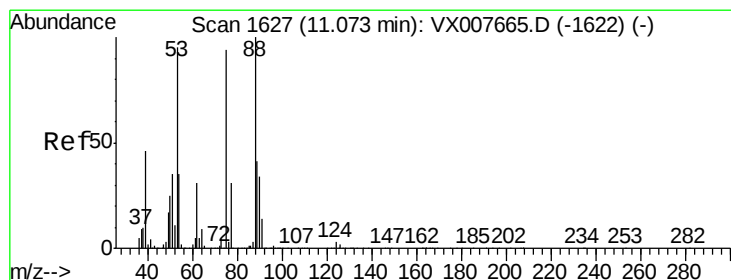
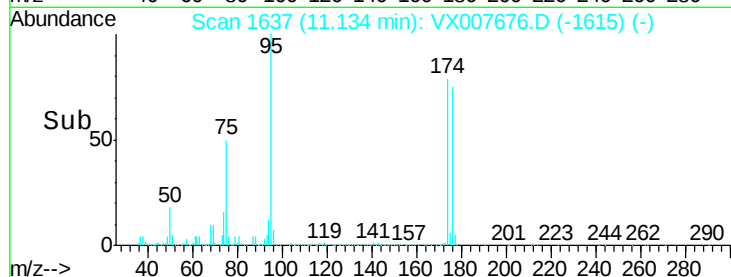
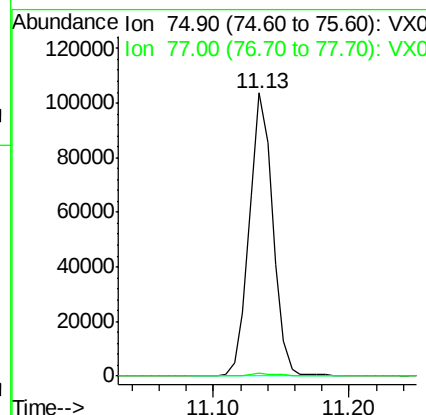
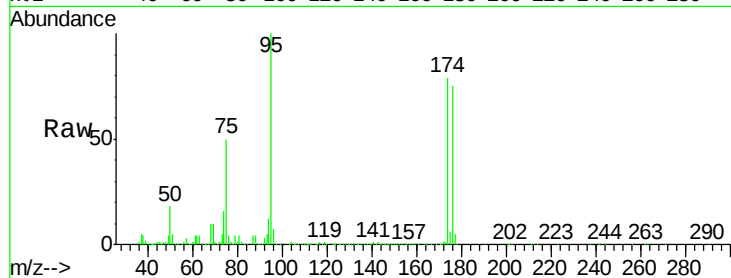




#76
 1,2,3-Trichloropropane
 Concen: 22.779 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007676.D
 Acq: 25 Feb 2019 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-200-202

Tot Ion: 75 Resp: 124867
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.377 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007676.D
 Acq: 25 Feb 2019 16:20

Tgt Ion: 75 Resp: 124867
 Ion Ratio Lower Upper
 75 100
 53 0.5 81.0 121.6#
 89 0.1 41.4 62.0#

