

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011194.D
 Acq On : 30 Jul 2019 14:56
 Operator : JC/SP
 Sample : K4043-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-338-340

Quant Time: Aug 08 05:23:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128304	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109366	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	5.49	113	96357	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	8.71	98	366438	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	120562	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

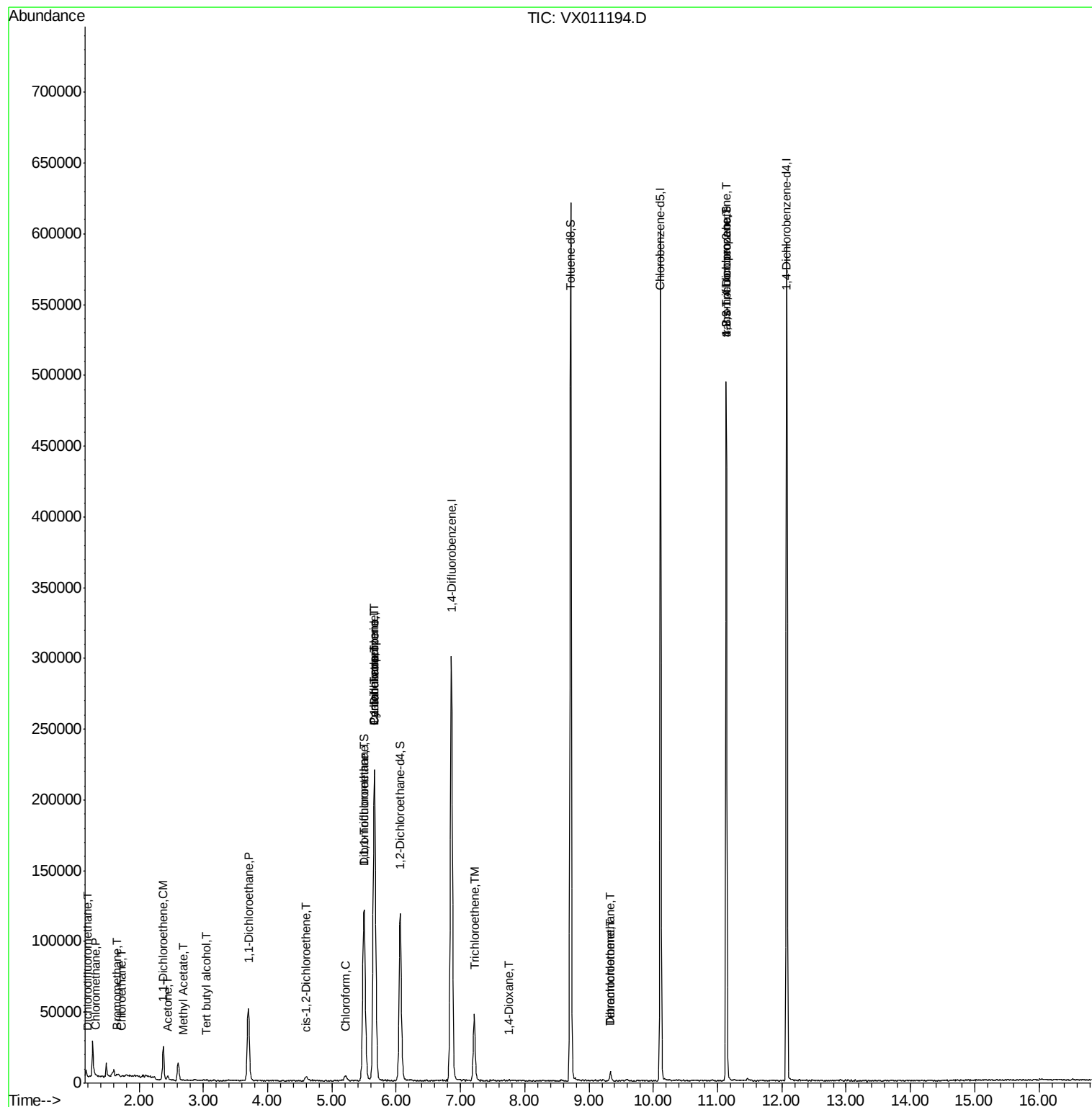
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	98	0.588	ug/l #	43
3) Chloromethane	1.32	50	714	0.354	ug/l #	86
5) Bromomethane	1.65	94	363	0.313	ug/l	86
6) Chloroethane	1.73	64	459	0.351	ug/l #	45
11) Tert butyl alcohol	3.04	59	274	0.505	ug/l #	45
12) 1,1-Dichloroethene	2.37	96	8932	4.575	ug/l	97
16) Acetone	2.45	43	3430	3.257	ug/l #	81
18) Methyl Acetate	2.69	43	491	0.205	ug/l #	48
24) 1,1-Dichloroethane	3.70	63	57384	16.520	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	1899	0.792	ug/l	93
30) Chloroform	5.21	83	3844	1.024	ug/l	95
31) Cyclohexane	5.66	56	4330	1.368	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	7448	2.293	ug/l	96
36) 1,1-Dichloropropene	5.67	75	14799	5.704	ug/l #	48
38) Carbon Tetrachloride	5.67	117	20113	7.439	ug/l #	18
44) Trichloroethene	7.21	130	18695	7.947	ug/l	94
49) 1,4-Dioxane	7.75	88	595	9.995	ug/l #	87
60) Dibromochloromethane	9.33	129	1244	3.005	ug/l #	11
64) Tetrachloroethene	9.34	164	1249	0.571	ug/l #	80
76) 1,2,3-Trichloropropane	11.13	75	60654	26.197	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	60654	65.068	ug/l #	11

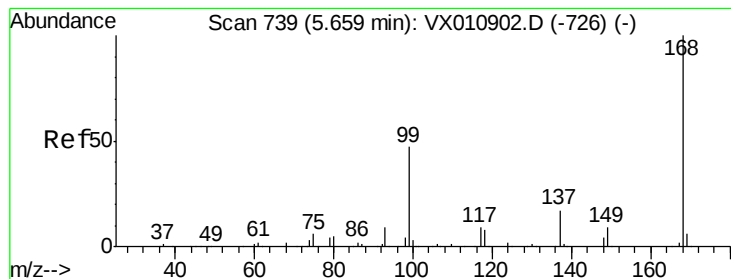
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

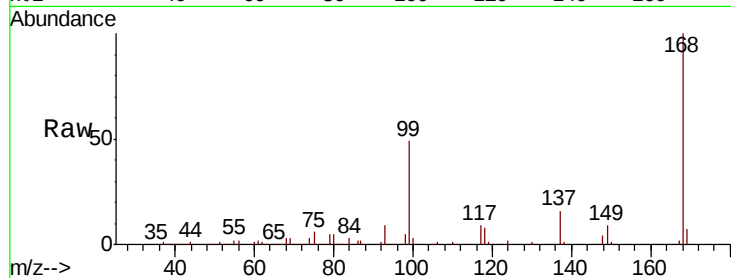
BP-VPB203-GW-338-340

Tgt Ion:168 Resp: 219194

Ion Ratio Lower Upper

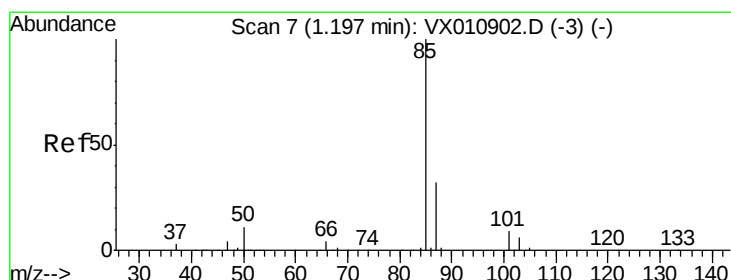
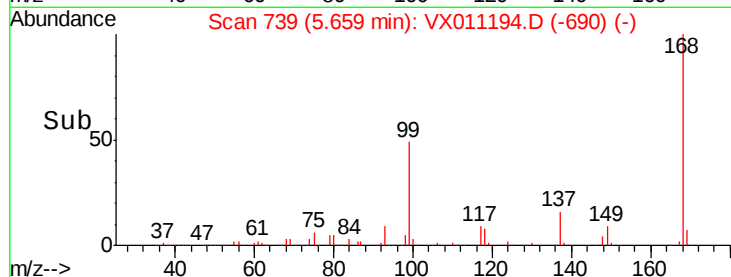
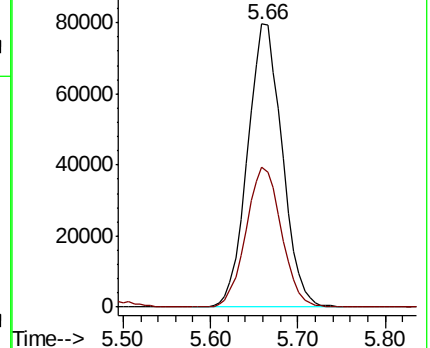
168 100

99 49.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.588 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011194.D

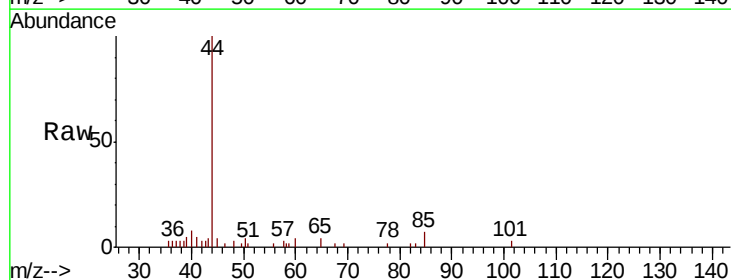
Acq: 30 Jul 2019 14:56

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

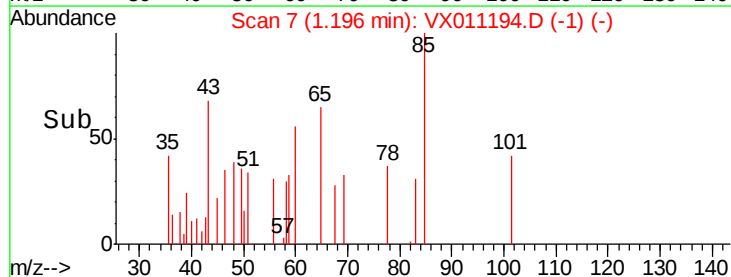
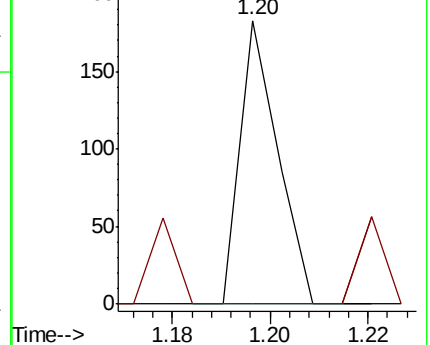
85 100

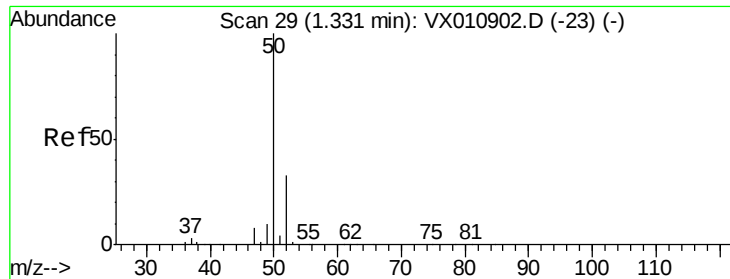
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.354 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

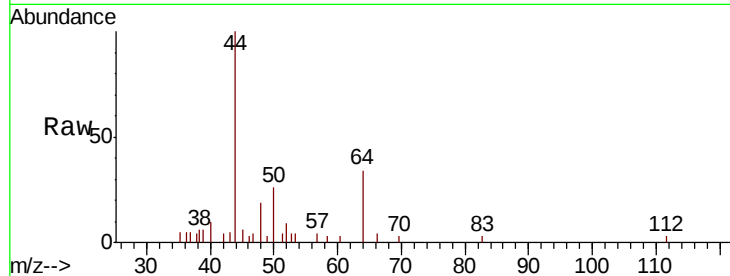
BP-VPB203-GW-338-340

Tgt Ion: 50 Resp: 714

Ion Ratio Lower Upper

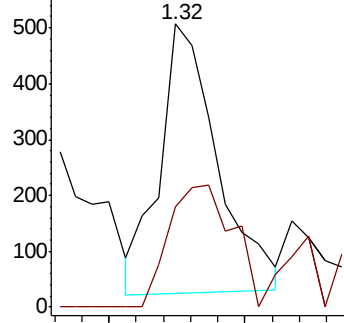
50 100

52 41.1 26.4 39.6#

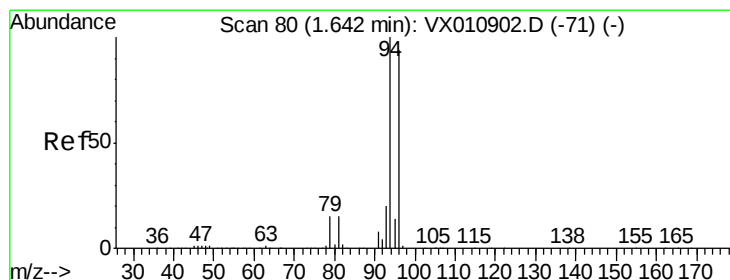
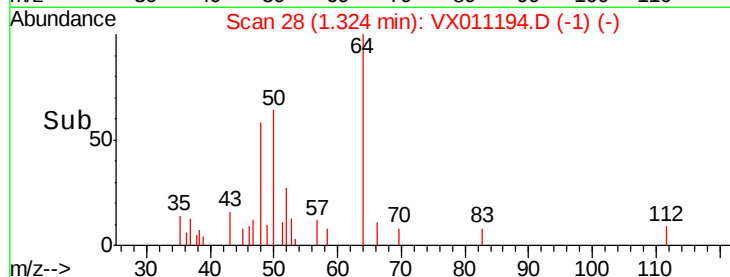


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011194.D

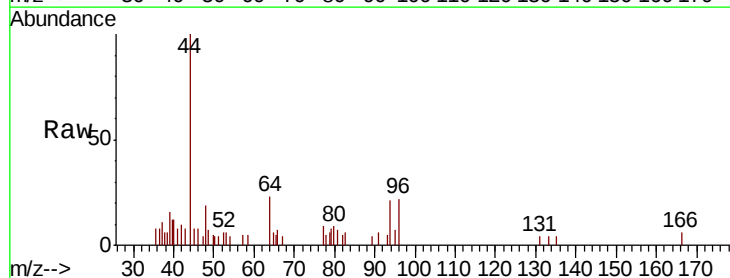
Acq: 30 Jul 2019 14:56

Tgt Ion: 94 Resp: 363

Ion Ratio Lower Upper

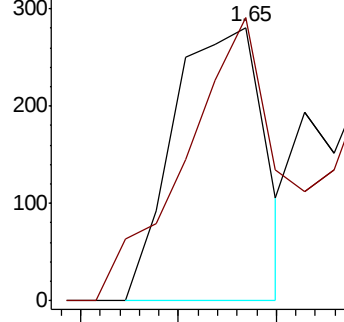
94 100

96 80.8 75.6 113.4

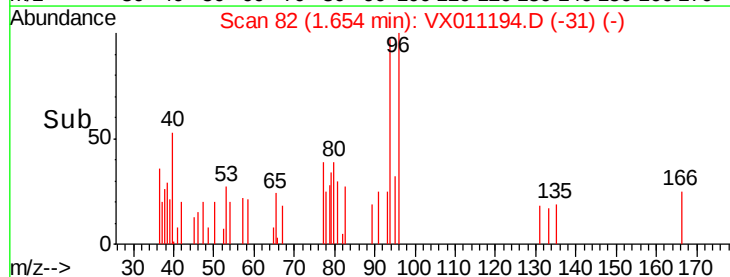


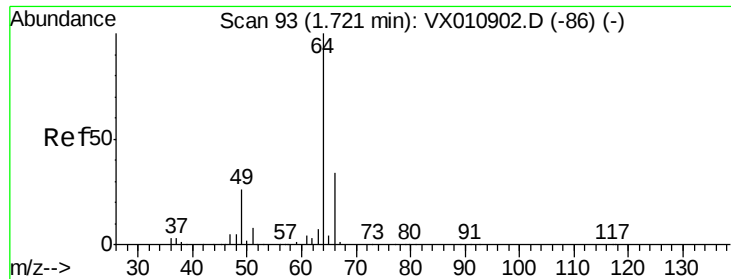
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 0.351 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

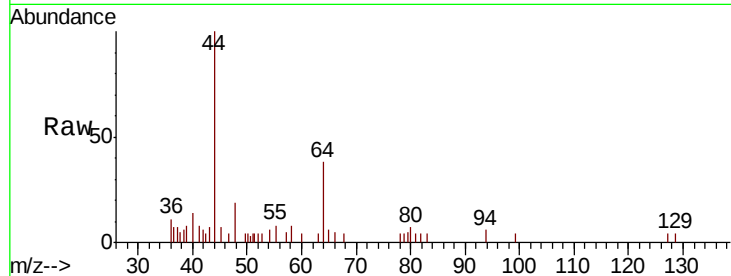
BP-VPB203-GW-338-340

Tgt Ion: 64 Resp: 459

Ion Ratio Lower Upper

64 100

66 2.6 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

600

500

400

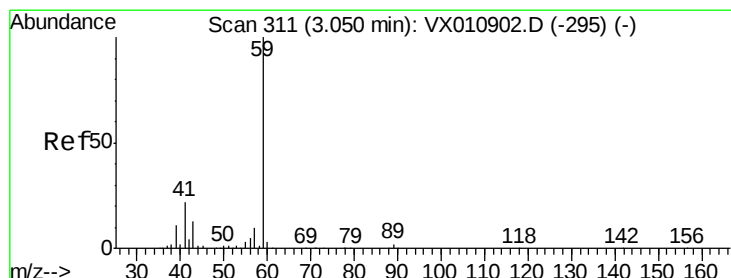
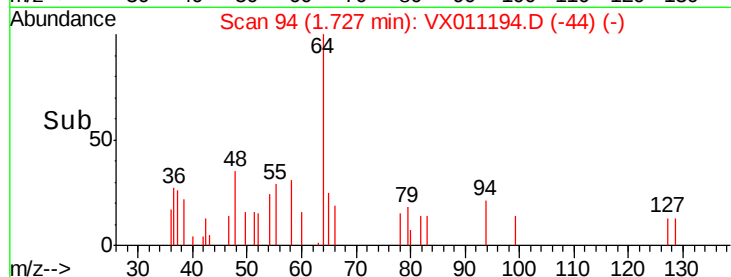
300

200

100

0

Time--> 1.70 1.72 1.74 1.76



#11

Tert butyl alcohol

Concen: 0.505 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX011194.D

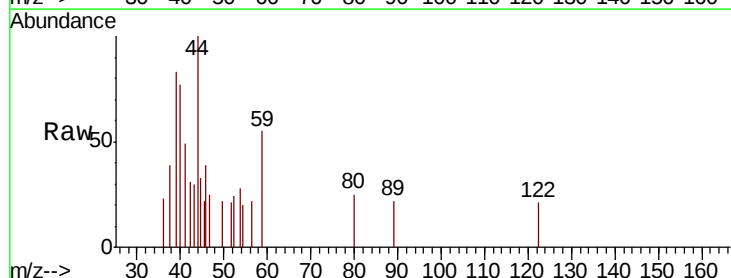
Acq: 30 Jul 2019 14:56

Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

59 100

57 30.3 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

200

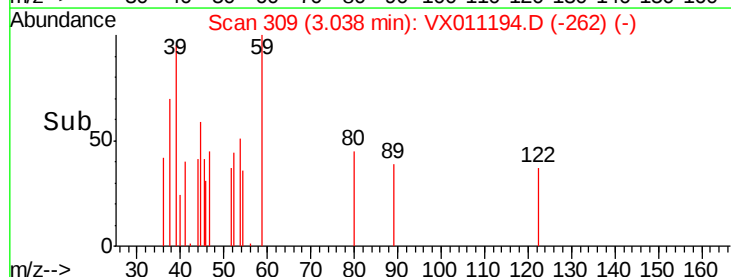
150

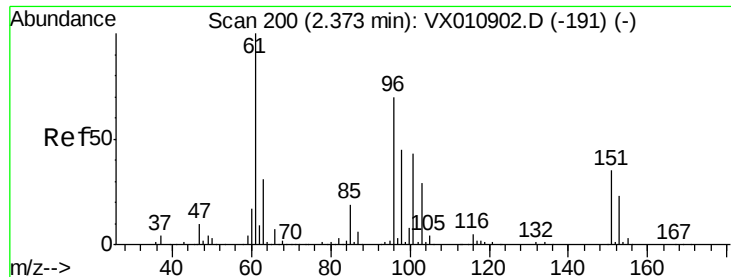
100

50

0

Time--> 3.02 3.04 3.06 3.08

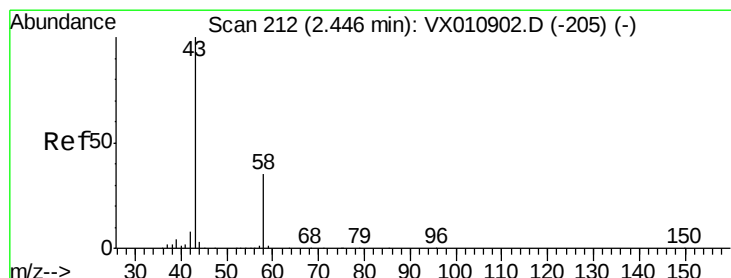
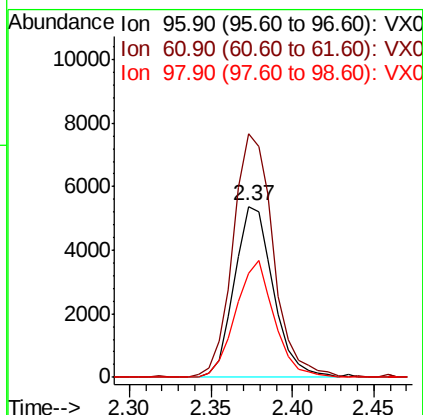
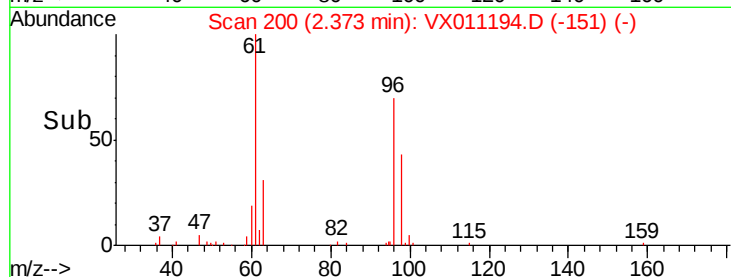
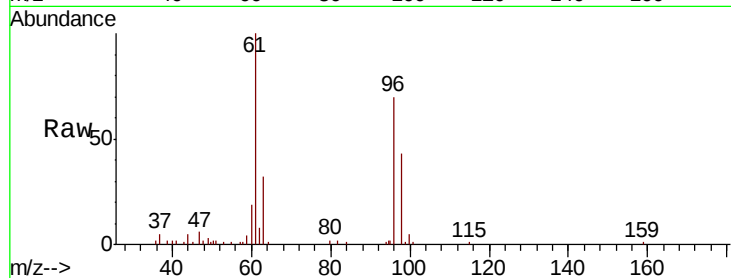




#12
 1,1-Dichloroethene
 Concen: 4.575 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

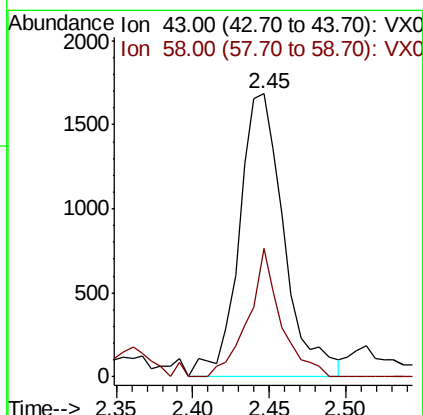
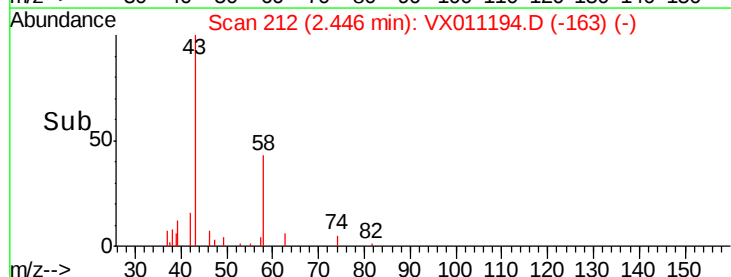
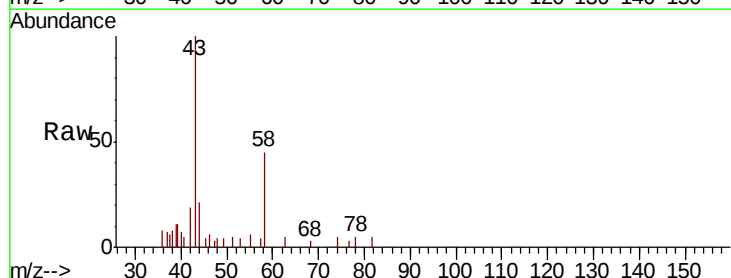
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-338-340

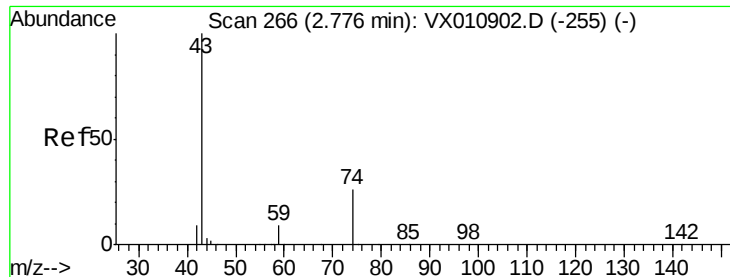
Tgt Ion: 96 Resp: 8932
 Ion Ratio Lower Upper
 96 100
 61 142.2 115.0 172.4
 98 60.7 52.2 78.2



#16
 Acetone
 Concen: 3.257 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

Tgt Ion: 43 Resp: 3430
 Ion Ratio Lower Upper
 43 100
 58 45.4 27.7 41.5#

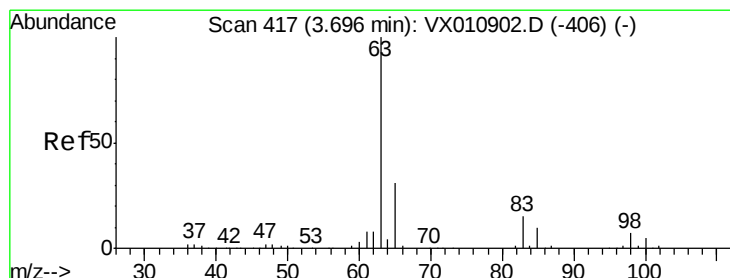
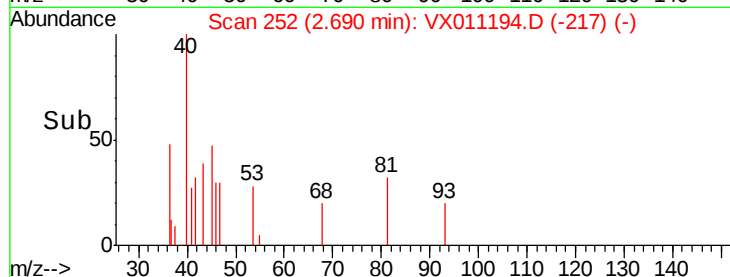
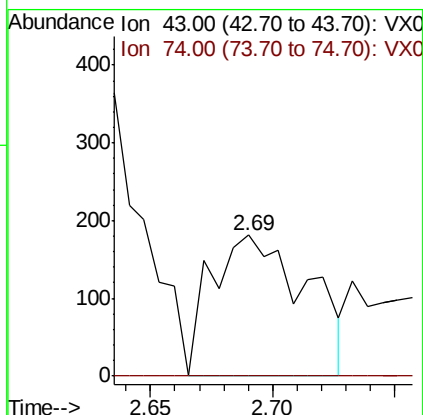
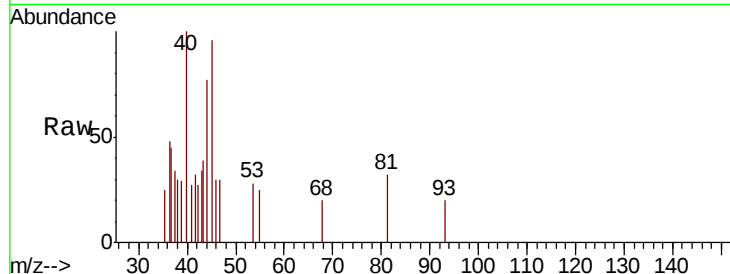




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.69 min Scan# 252
Delta R.T. -0.09 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

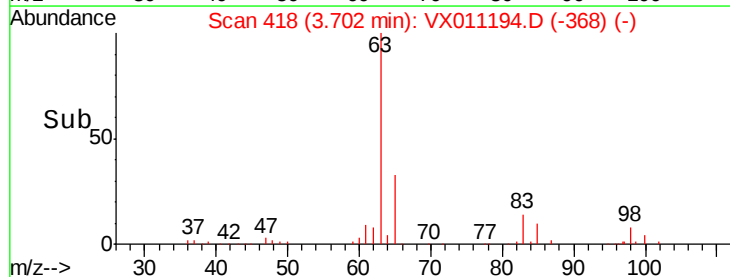
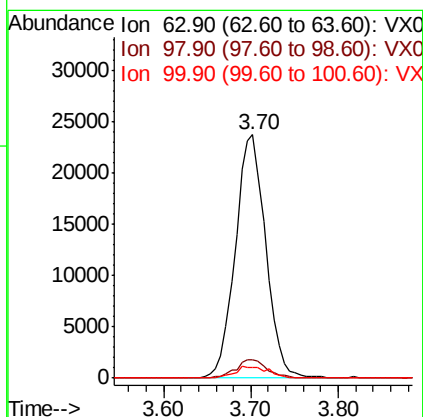
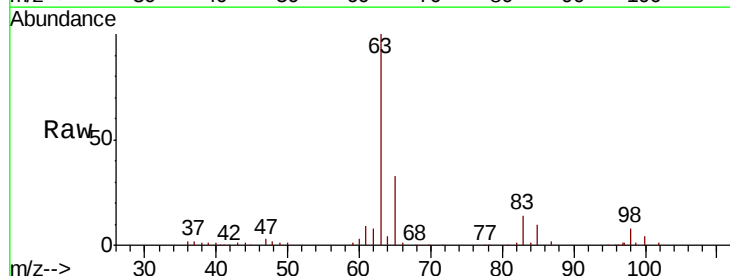
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-338-340

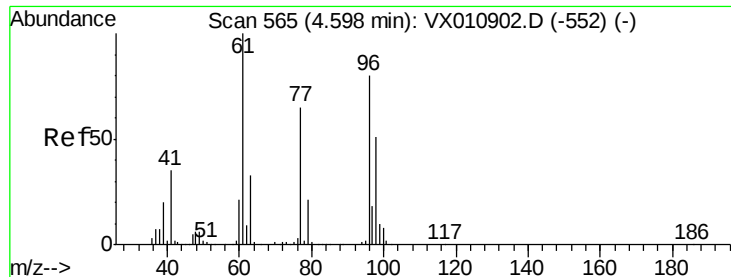
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#24
1,1-Dichloroethane
Concen: 16.520 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

Tgt Ion: 63 Resp: 57384
Ion Ratio Lower Upper
63 100
98 7.8 3.6 10.9
100 4.4 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 0.792 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-338-340

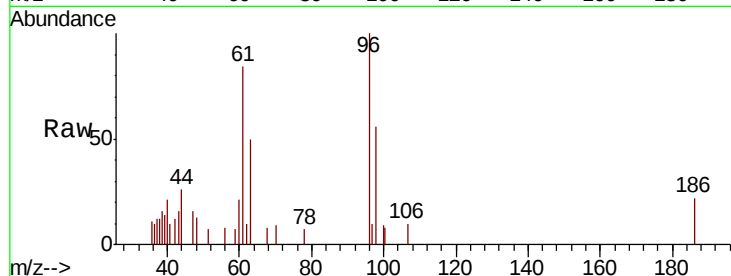
Tgt Ion: 96 Resp: 1899

Ion Ratio Lower Upper

96 100

61 121.7 0.0 269.0

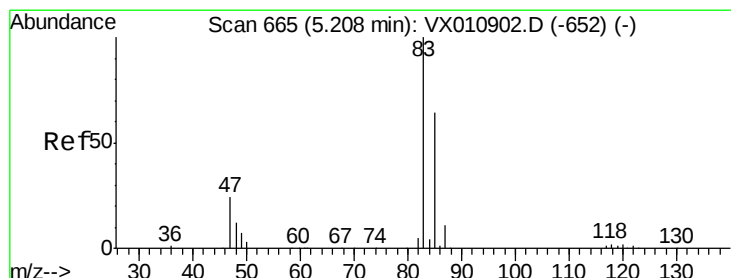
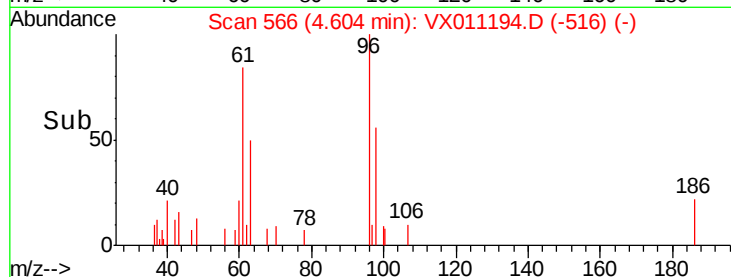
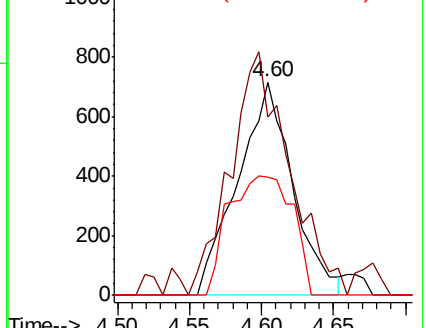
98 65.3 0.0 131.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#30

Chloroform

Concen: 1.024 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX011194.D

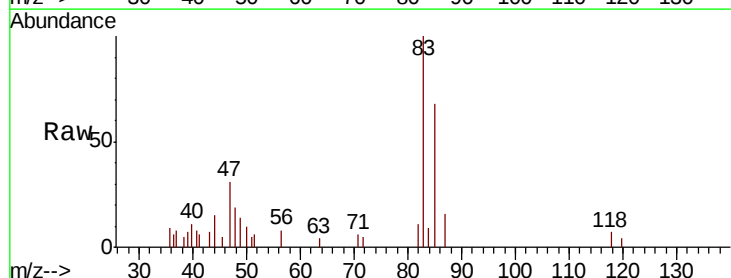
Acq: 30 Jul 2019 14:56

Tgt Ion: 83 Resp: 3844

Ion Ratio Lower Upper

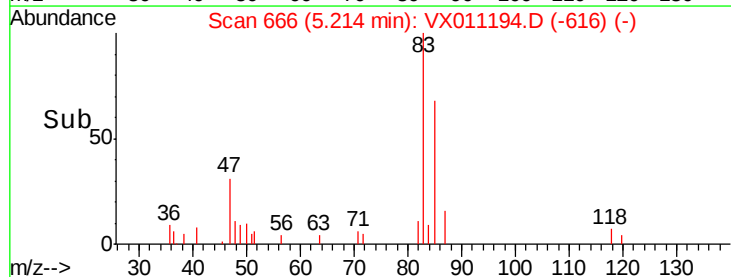
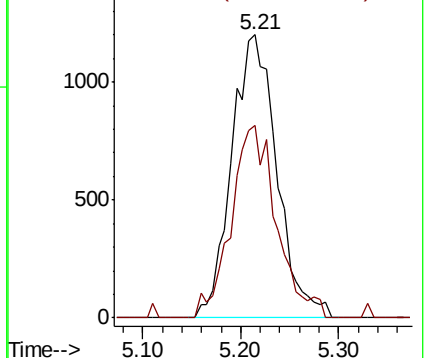
83 100

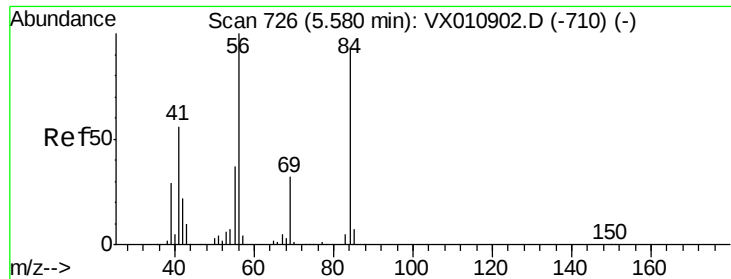
85 68.0 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

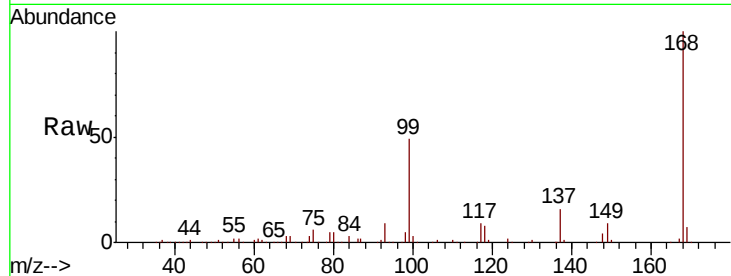




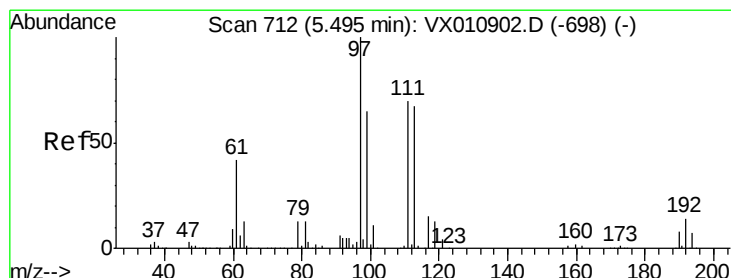
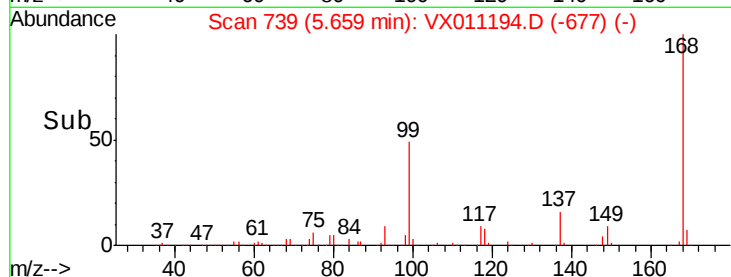
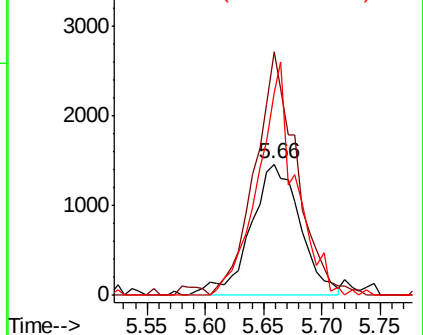
#31
Cyclohexane
Concen: 1.368 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX011194.D
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Instrument :
MSVOA_X
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Tgt Ion: 56 Resp: 4330
Ion Ratio Lower Upper
56 100
69 178.9 25.8 38.8#
84 153.6 73.8 110.6#

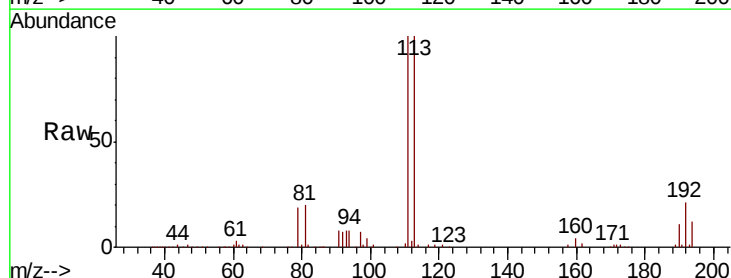


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

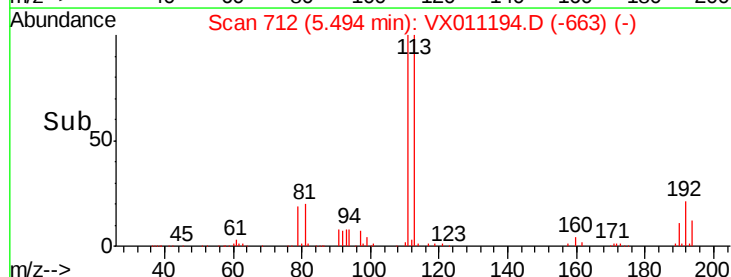
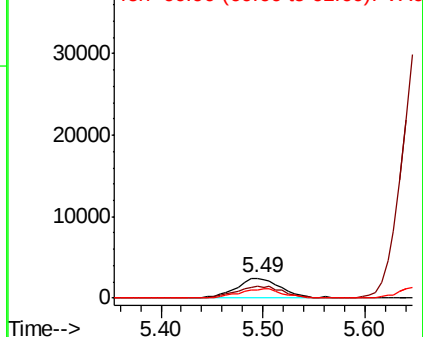


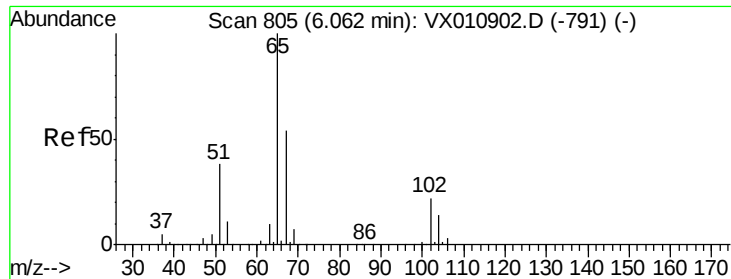
#32
1,1,1-Trichloroethane
Concen: 2.293 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

Tgt Ion: 97 Resp: 7448
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 47.2 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

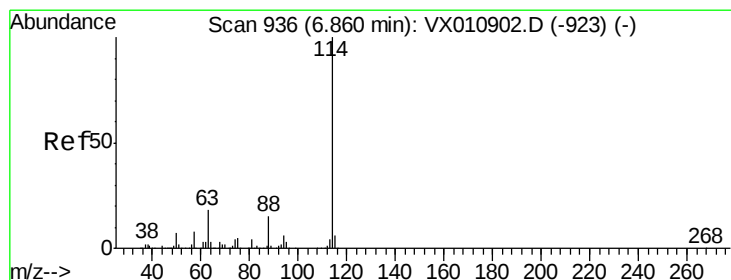
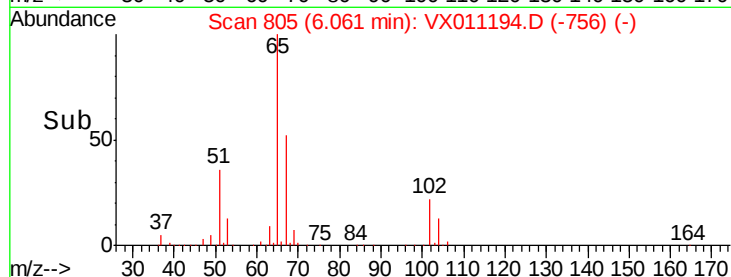
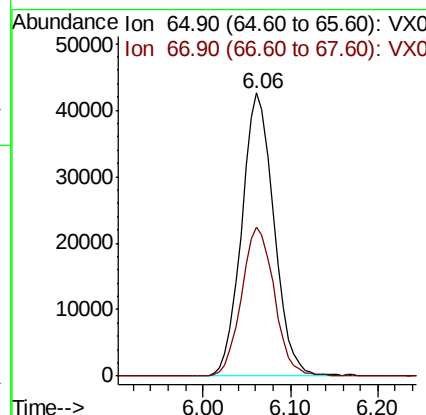
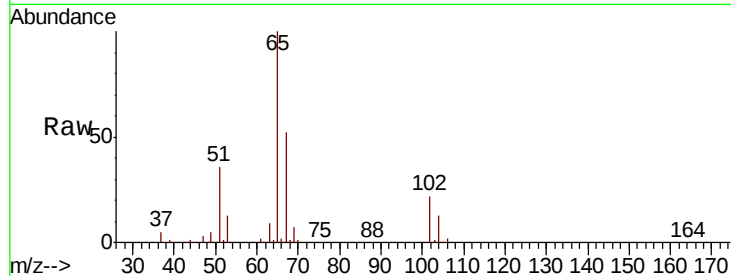




#33
 1,2-Dichloroethane-d4
 Concen: 46.900 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

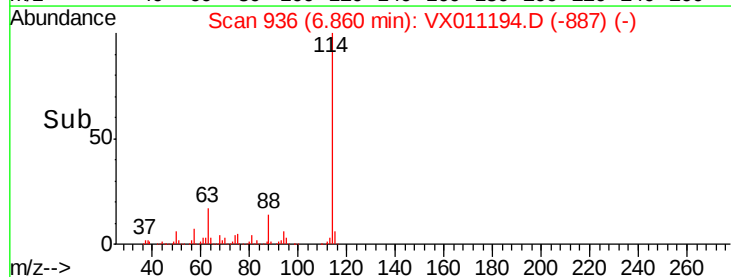
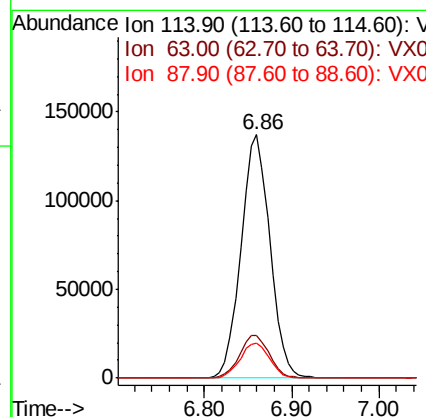
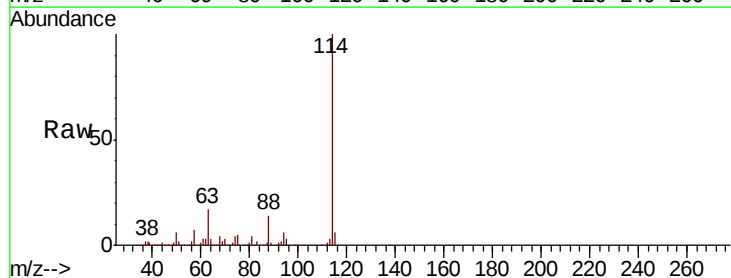
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-338-340

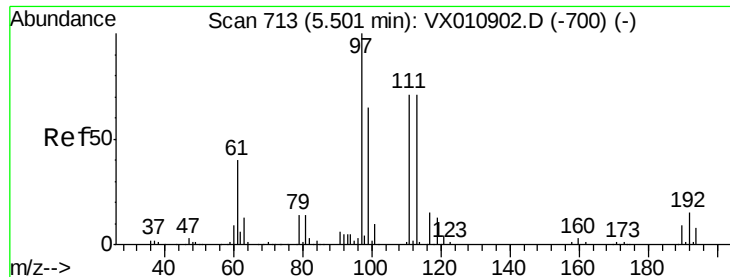
Tgt Ion: 65 Resp: 109366
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

Tgt Ion: 114 Resp: 315874
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.6
 88 14.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.060 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-338-340

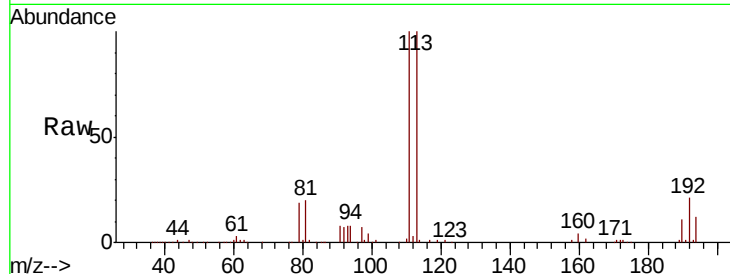
Tgt Ion:113 Resp: 96357

Ion Ratio Lower Upper

113 100

111 101.4 82.3 123.5

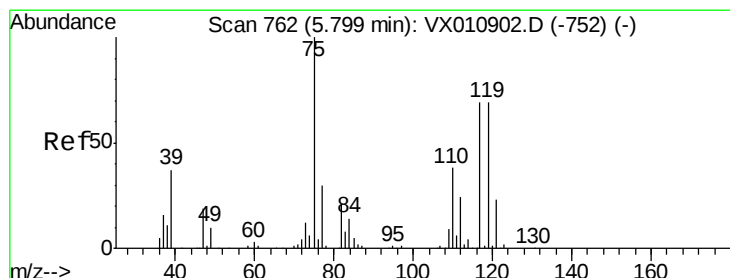
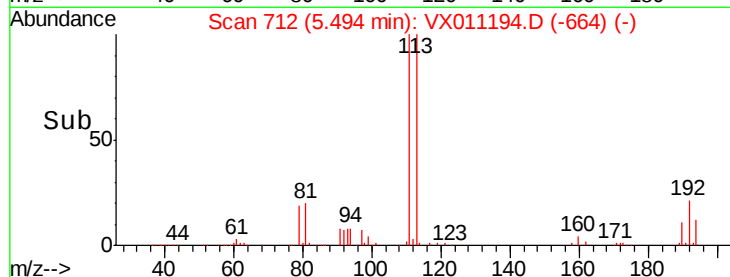
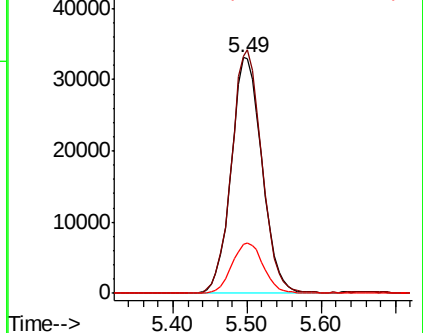
192 21.8 17.4 26.2



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: 5.704 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

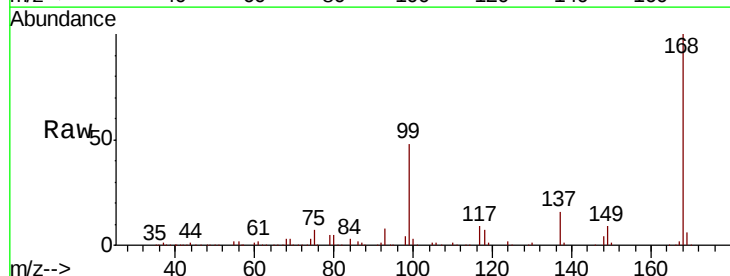
Tgt Ion: 75 Resp: 14799

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.7#

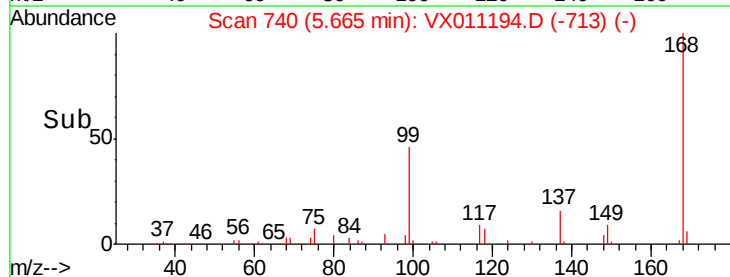
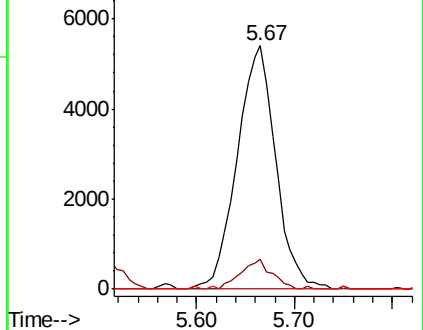
77 0.0 25.0 37.4#

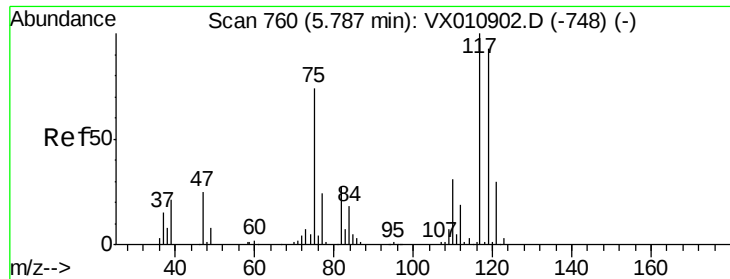


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

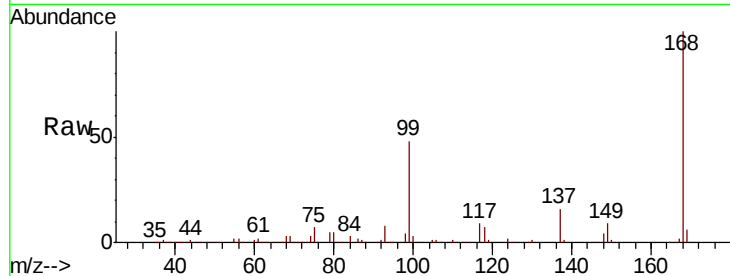




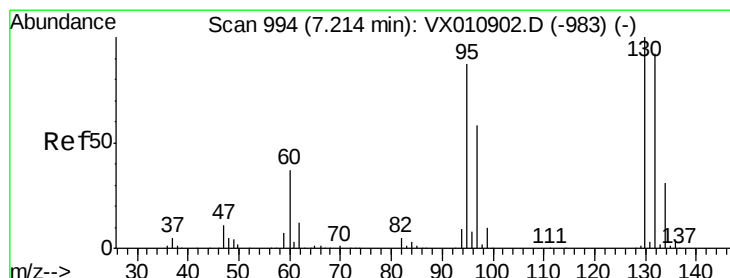
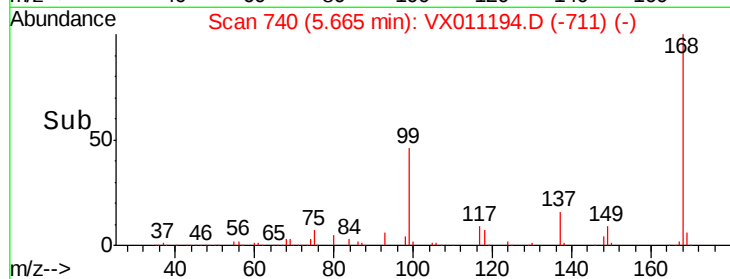
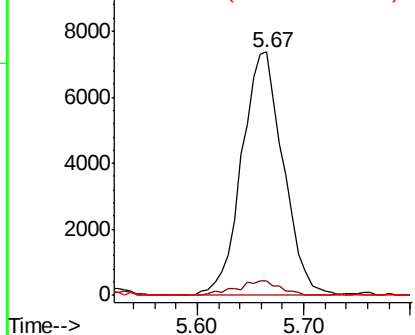
#38
Carbon Tetrachloride
Concen: 7.439 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-338-340

Tgt Ion:117 Resp: 20113
Ion Ratio Lower Upper
117 100
119 5.7 74.2 111.2#
121 0.0 24.2 36.2#

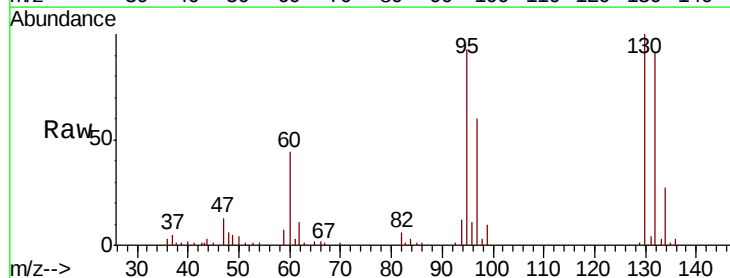


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

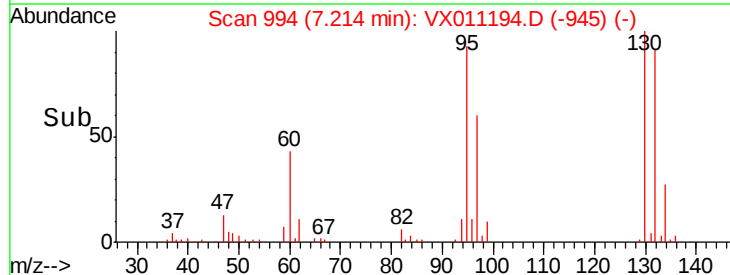
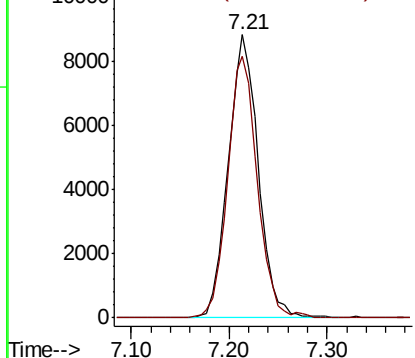


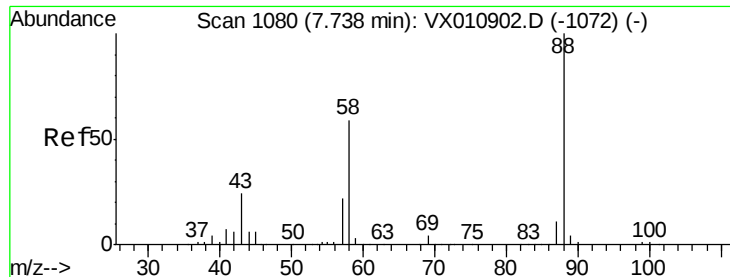
#44
Trichloroethene
Concen: 7.947 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

Tgt Ion:130 Resp: 18695
Ion Ratio Lower Upper
130 100
95 92.6 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

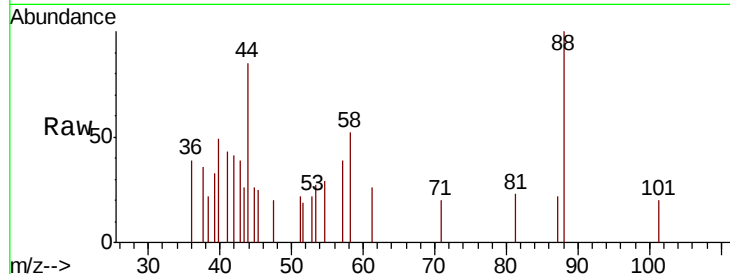




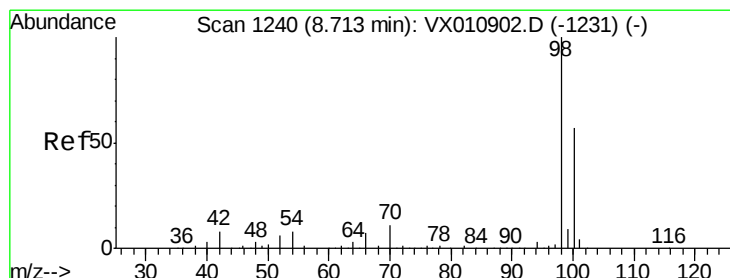
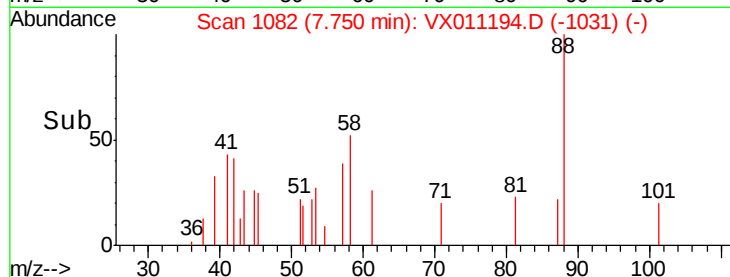
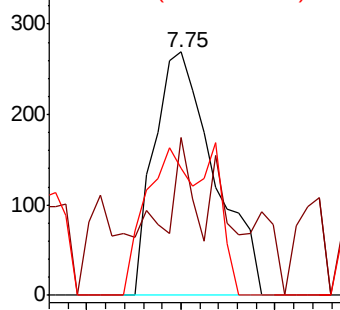
#49
 1,4-Dioxane
 Concen: 9.995 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-338-340

Tgt Ion: 88 Resp: 595
 Ion Ratio Lower Upper
 88 100
 43 15.0 22.9 34.3#
 58 67.4 49.8 74.8

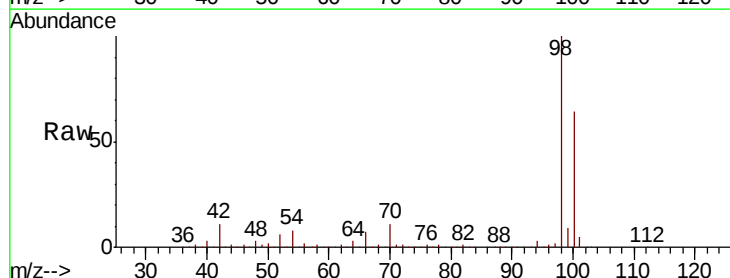


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

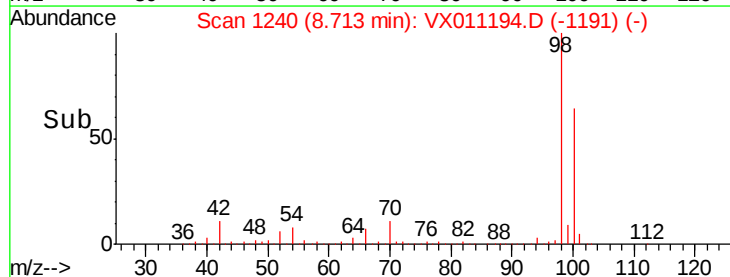
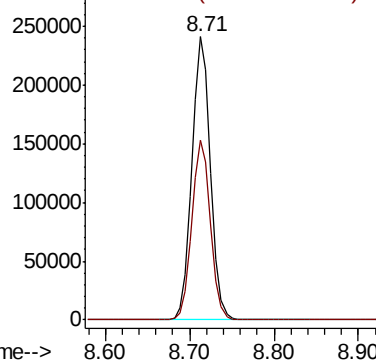


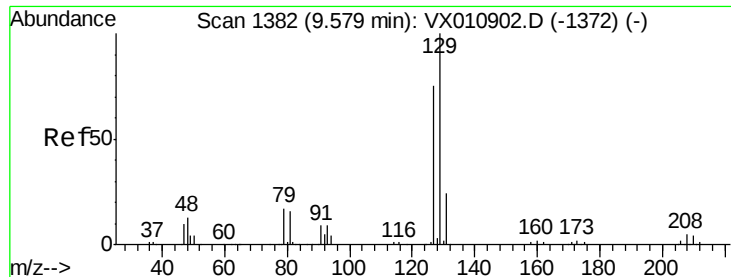
#50
 Toluene-d8
 Concen: 48.730 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

Tgt Ion: 98 Resp: 366438
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

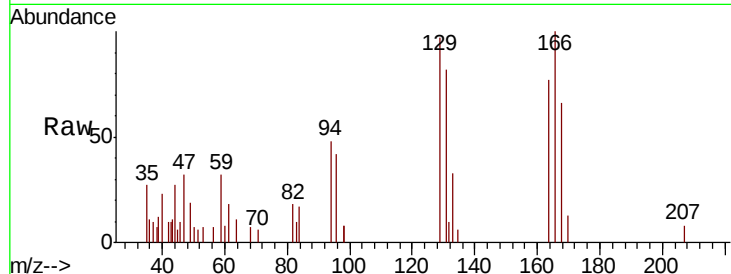




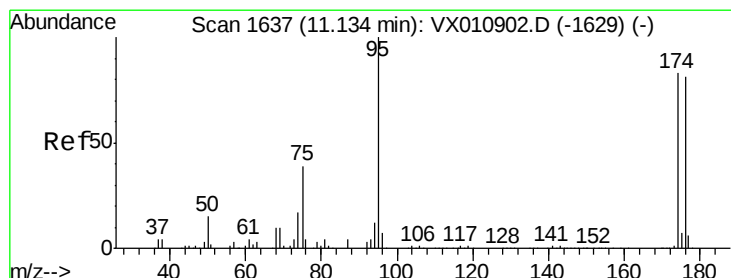
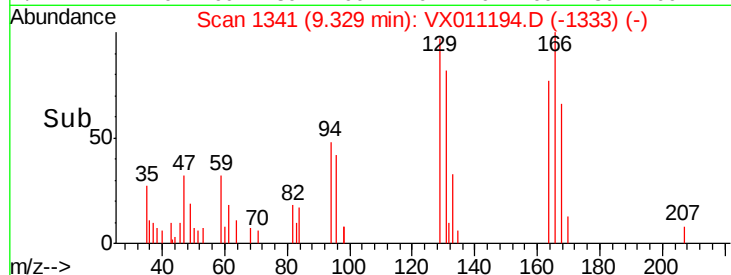
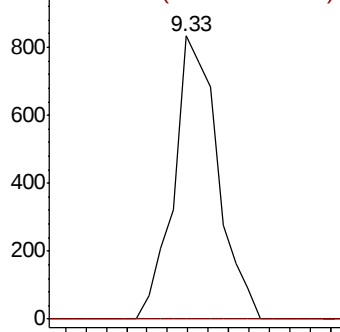
#60
 Dibromochloromethane
 Concen: 3.005 ug/l
 RT: 9.33 min Scan# 1341
 Delta R.T. -0.25 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-338-340

Tgt Ion:129 Resp: 1244
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#

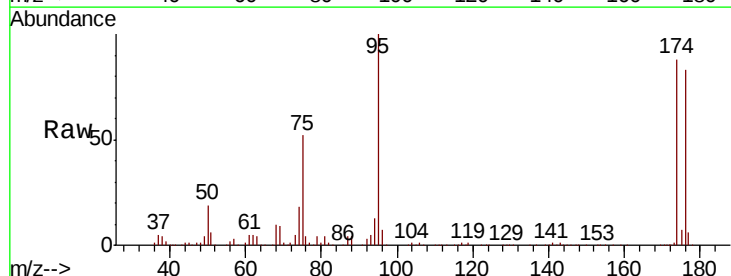


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

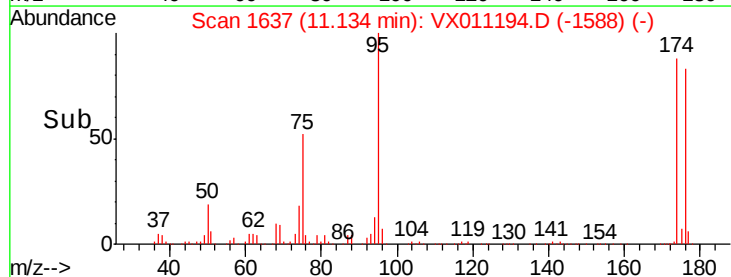
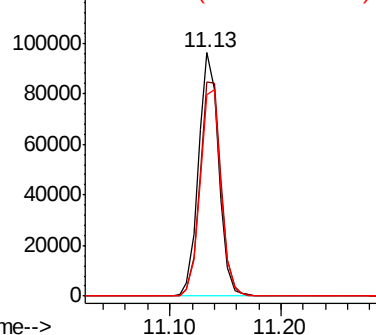


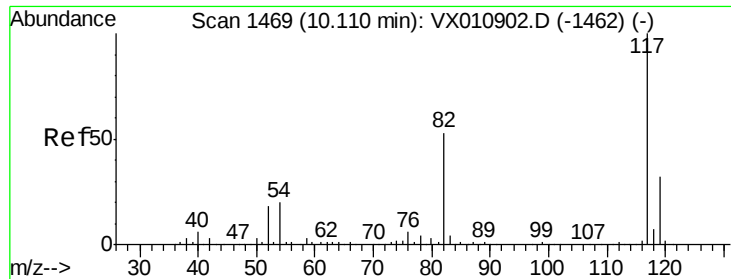
#62
 4-Bromofluorobenzene
 Concen: 43.618 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011194.D
 Acq: 30 Jul 2019 14:56

Tgt Ion: 95 Resp: 120562
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 180.6
 176 87.1 0.0 173.8



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

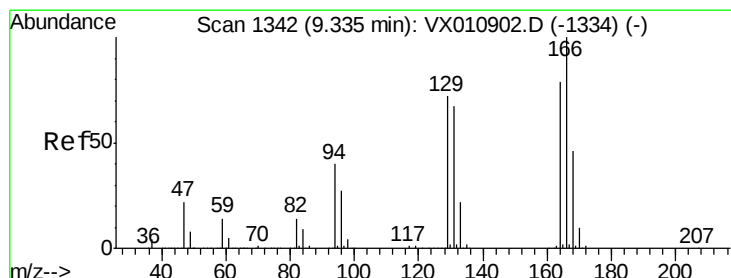
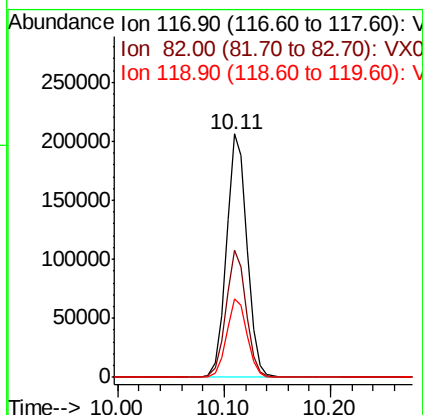
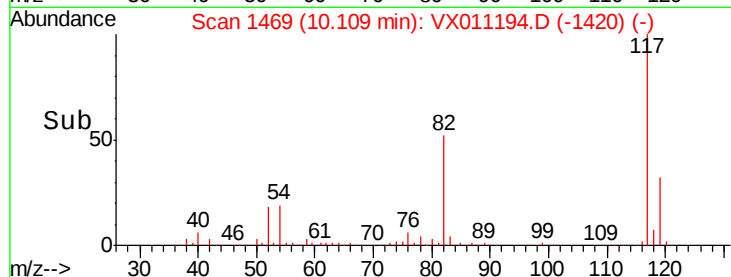
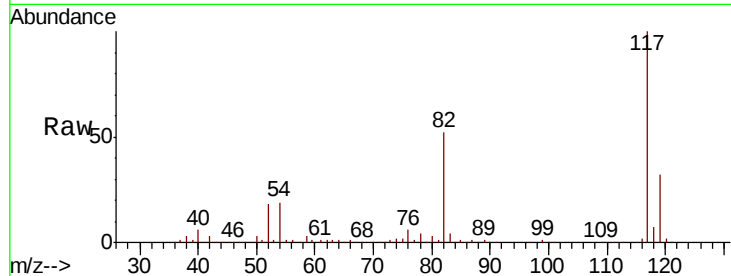




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

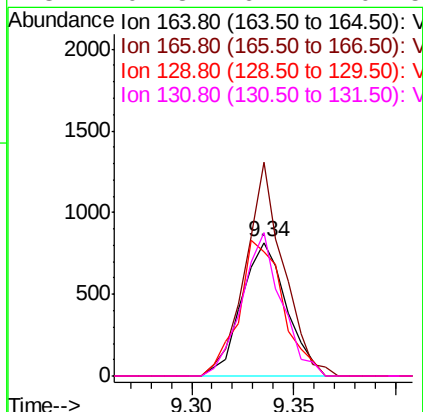
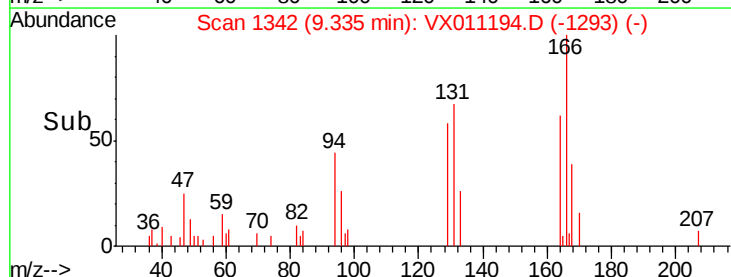
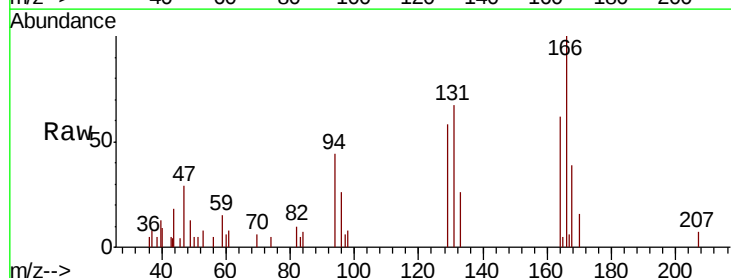
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-338-340

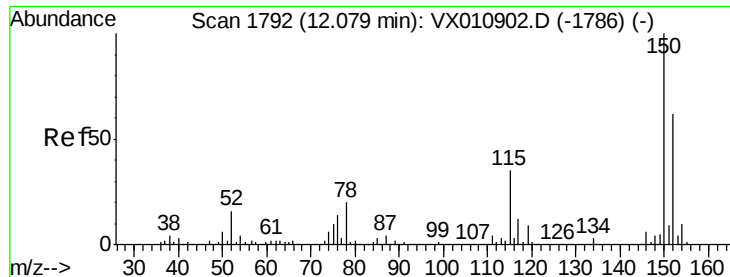
Tgt Ion:117 Resp: 277926
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 32.0 25.9 38.9



#64
Tetrachloroethene
Concen: 0.571 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011194.D
Acq: 30 Jul 2019 14:56

Tgt Ion:164 Resp: 1249
Ion Ratio Lower Upper
164 100
166 160.2 100.8 151.2#
129 92.8 72.6 109.0
131 107.8 67.7 101.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-338-340

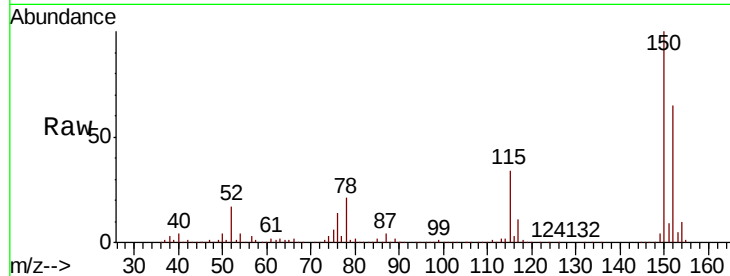
Tgt Ion:152 Resp: 128304

Ion Ratio Lower Upper

152 100

115 54.9 39.7 119.1

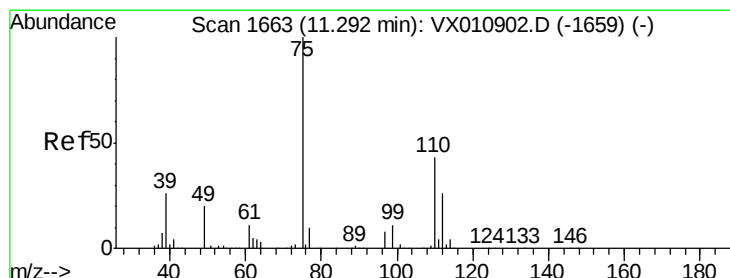
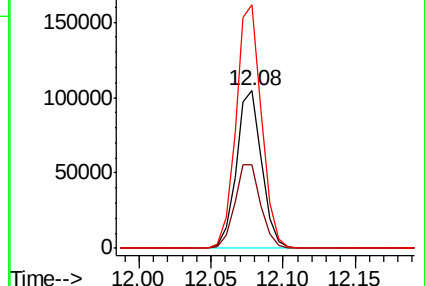
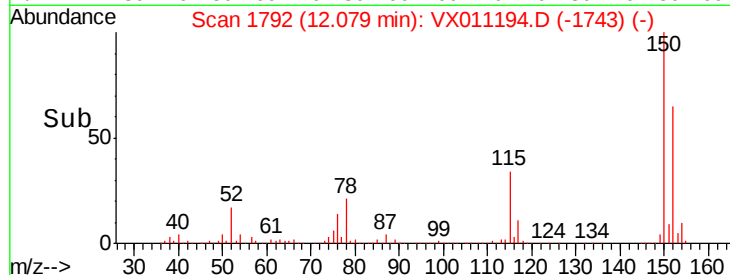
150 155.8 0.0 345.6



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: 26.197 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011194.D

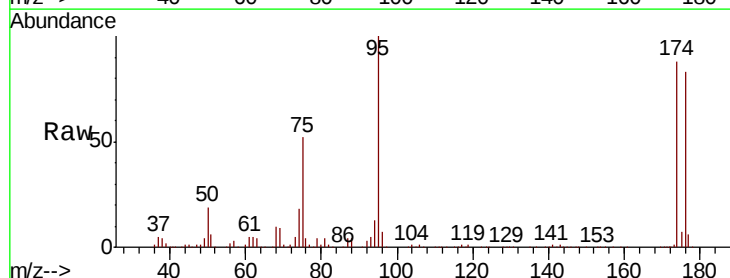
Acq: 30 Jul 2019 14:56

Tgt Ion: 75 Resp: 60654

Ion Ratio Lower Upper

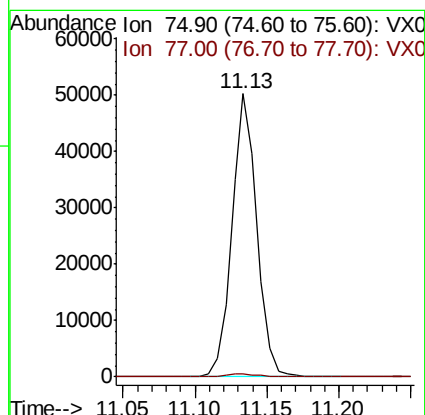
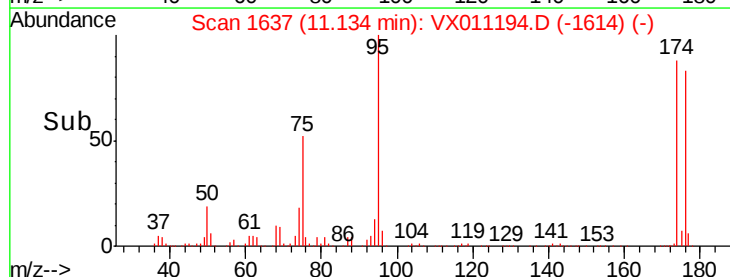
75 100

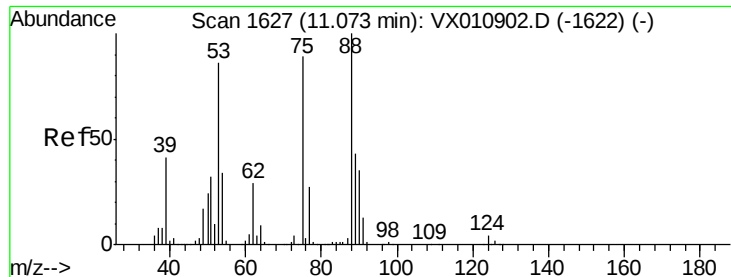
77 1.3 21.3 64.0#



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: 65.068 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011194.D

Acq: 30 Jul 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-338-340

Tgt Ion: 75 Resp: 60654

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#

