

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052019\
 Data File : VX009718.D
 Acq On : 20 May 2019 12:08
 Operator : JC/SP
 Sample : K2891-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

Quant Time: May 20 12:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	172339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112613	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	5.50	113	82599	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	339673	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	104327	42.21	ug/l	0.00
Spiked Amount			Recovery	=	84.42%	

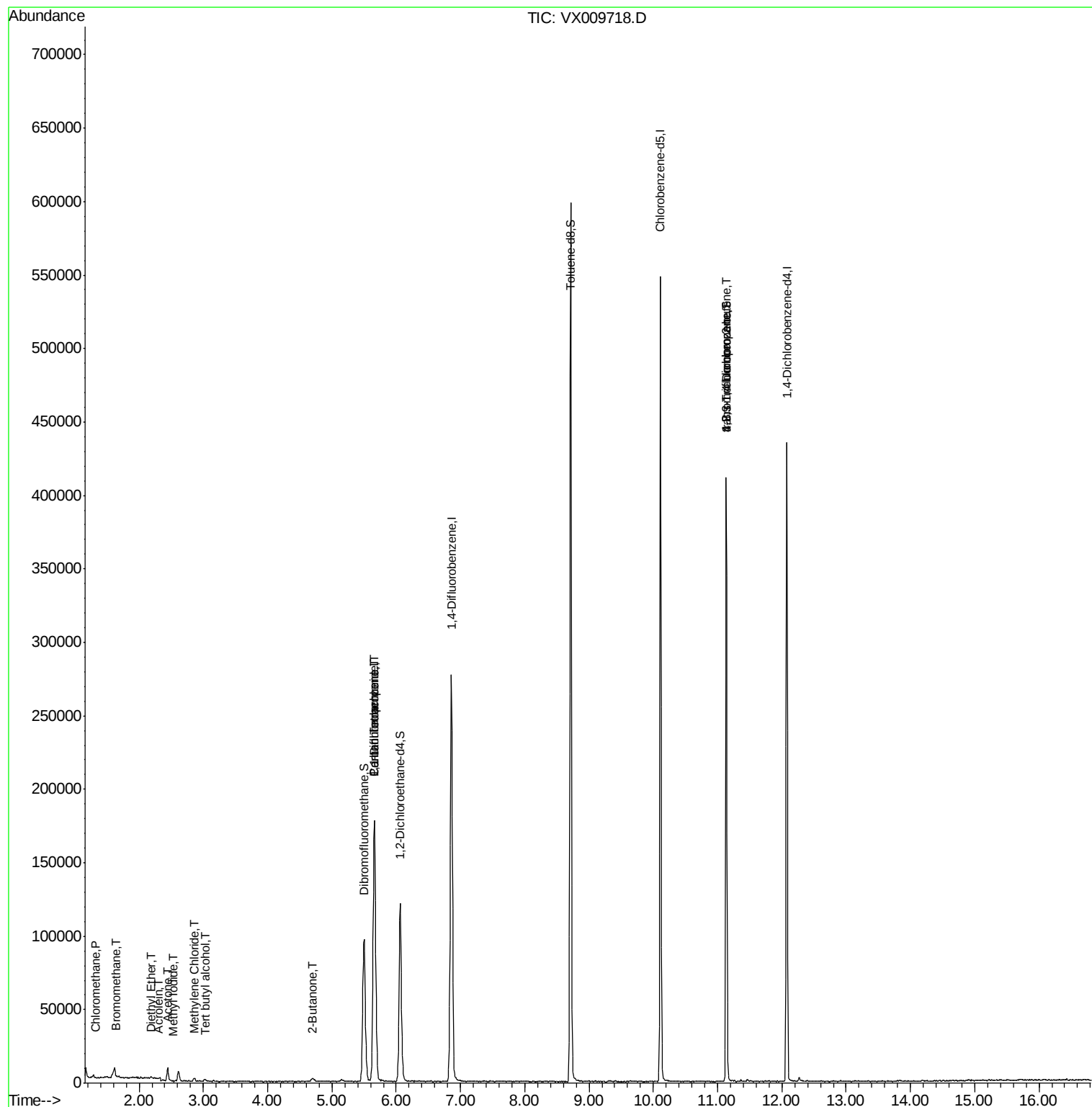
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	461	0.213	ug/l	99
5) Bromomethane	1.64	94	299	0.236	ug/l #	25
8) Diethyl Ether	2.20	74	275	0.226	ug/l	62
10) Methyl Iodide	2.53	142	127	4.655	ug/l #	66
11) Tert butyl alcohol	3.04	59	1110	2.038	ug/l #	89
13) Acrolein	2.29	56	241	0.489	ug/l #	54
16) Acetone	2.45	43	8878	7.028	ug/l	95
20) Methylene Chloride	2.86	84	1034	0.506	ug/l	89
25) 2-Butanone	4.69	43	1066	0.543	ug/l #	85
28) Bromochloromethane	5.01	49	22	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	13590	5.456	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16073	7.102	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	54477	26.304	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54477	67.301	ug/l #	10

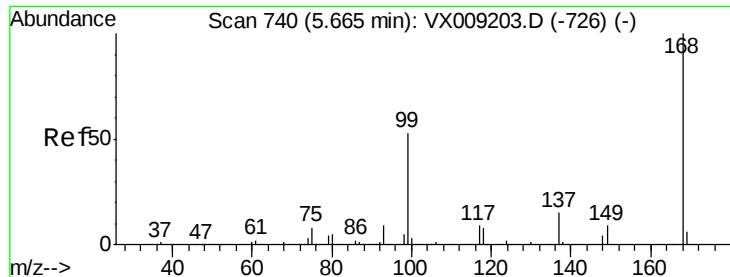
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX009718.D

Acq: 20 May 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

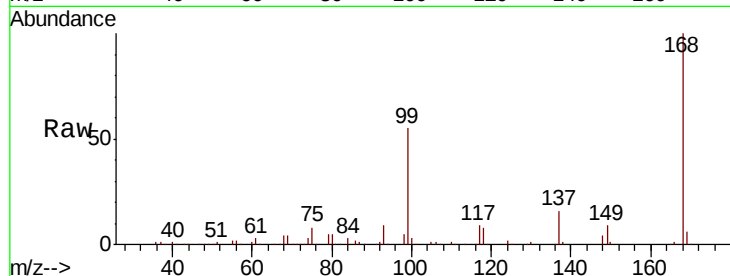
BP-VPB202-EB-20190515

Tgt Ion:168 Resp: 172339

Ion Ratio Lower Upper

168 100

99 54.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

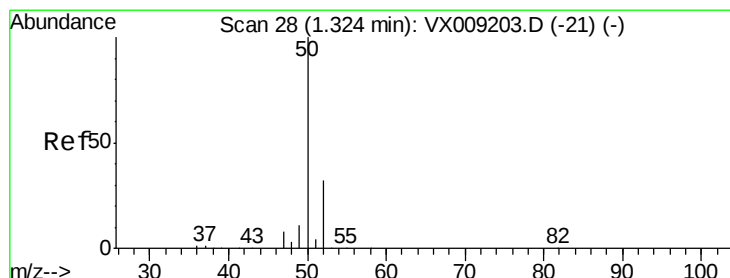
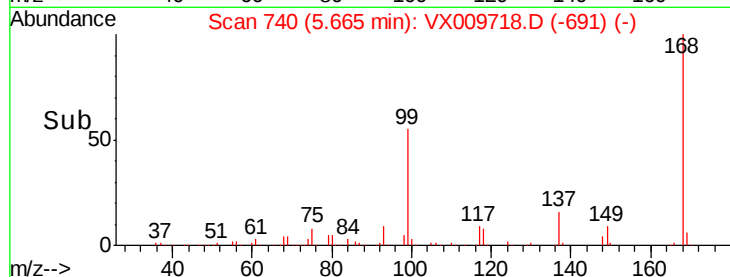
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009718.D

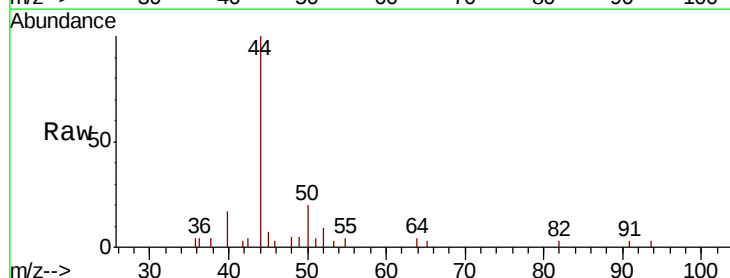
Acq: 20 May 2019 12:08

Tgt Ion: 50 Resp: 461

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

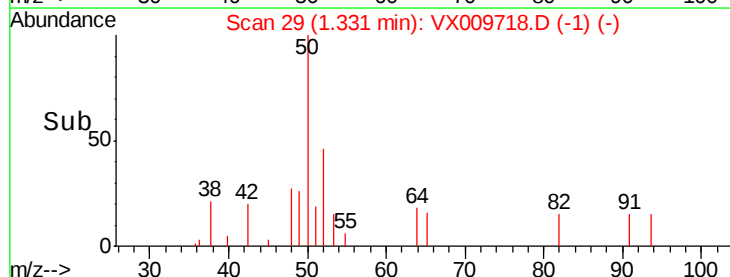
200

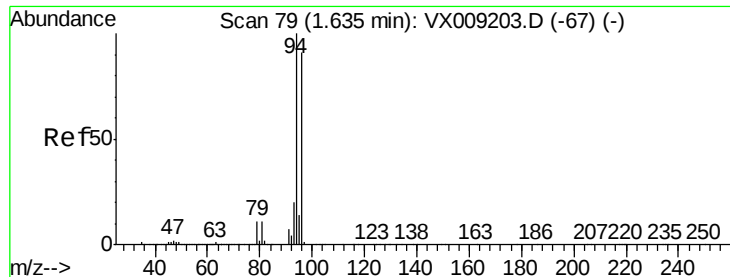
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009718.D

Acq: 20 May 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

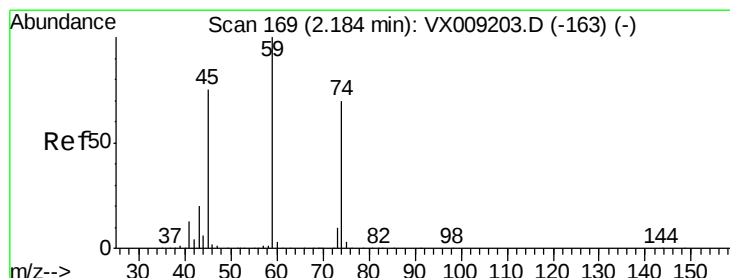
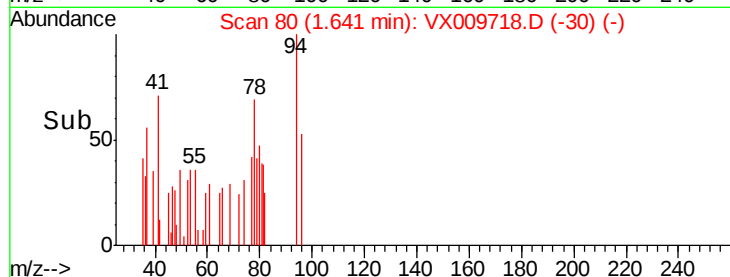
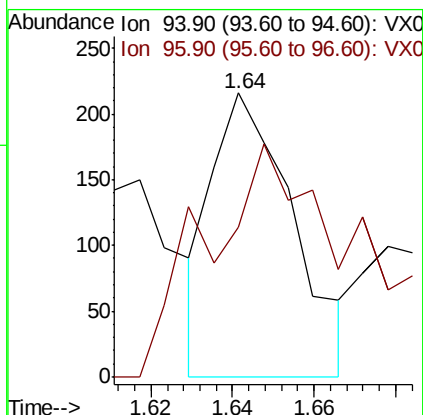
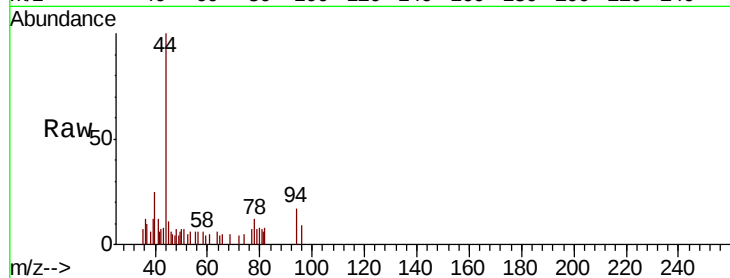
BP-VPB202-EB-20190515

Tgt Ion: 94 Resp: 299

Ion Ratio Lower Upper

94 100

96 20.3 73.0 109.6#



#8

Diethyl Ether

Concen: 0.226 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX009718.D

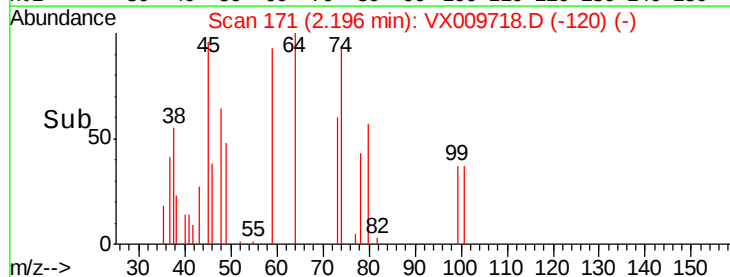
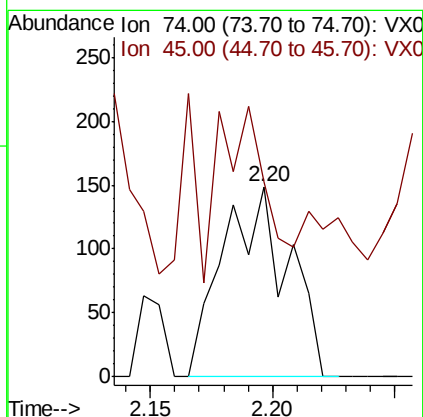
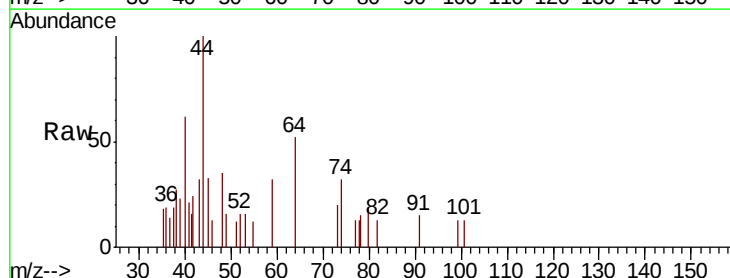
Acq: 20 May 2019 12:08

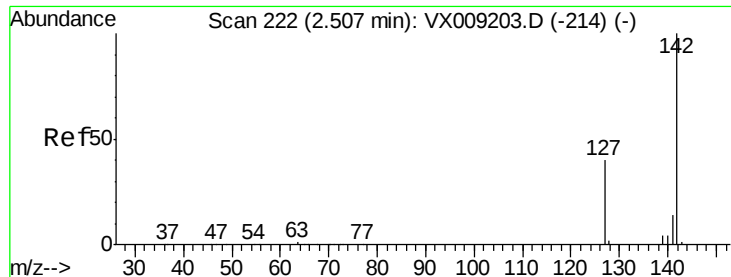
Tgt Ion: 74 Resp: 275

Ion Ratio Lower Upper

74 100

45 67.3 53.3 159.9

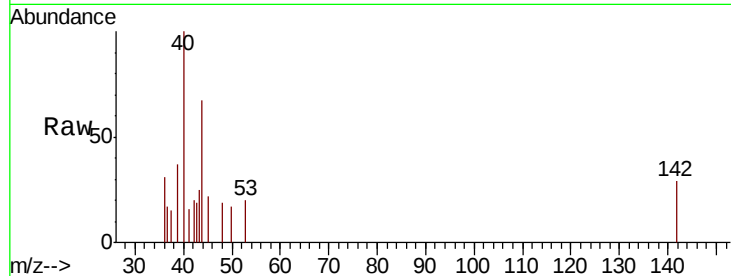




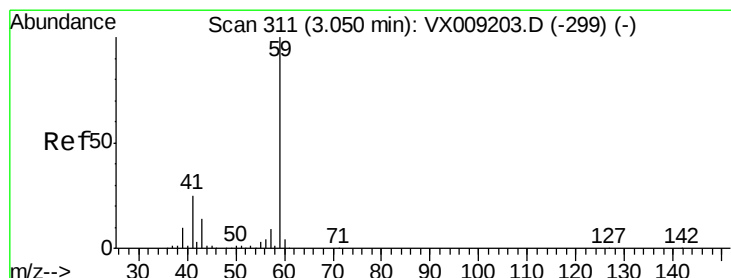
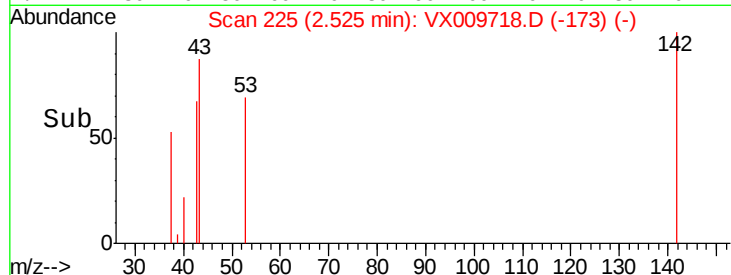
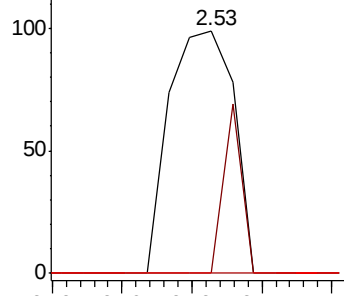
#10
Methyl Iodide
Concen: 4.655 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009718.D
Acq: 20 May 2019 12:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

Tgt Ion: 142 Resp: 127
Ion Ratio Lower Upper
142 100
127 19.7 32.7 49.1#
141 0.0 11.5 17.3#

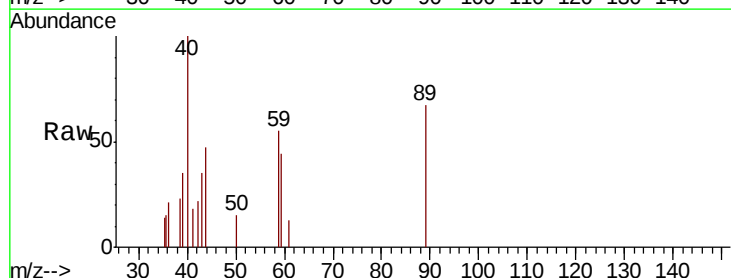


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

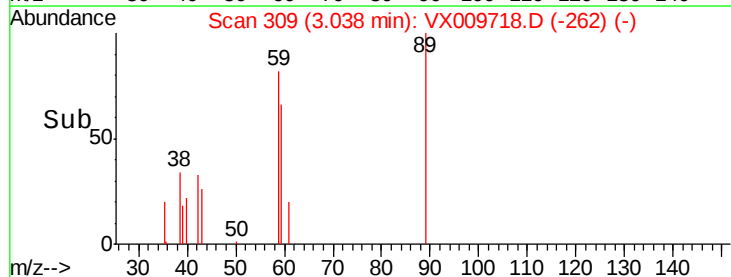
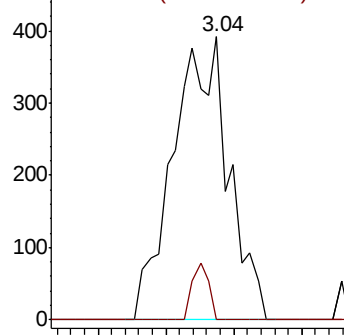


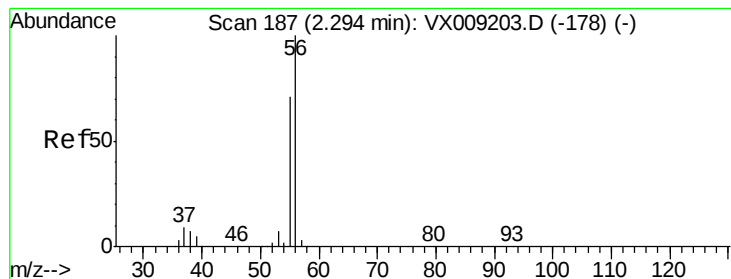
#11
Tert butyl alcohol
Concen: 2.038 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009718.D
Acq: 20 May 2019 12:08

Tgt Ion: 59 Resp: 1110
Ion Ratio Lower Upper
59 100
57 6.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.489 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009718.D

Acq: 20 May 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

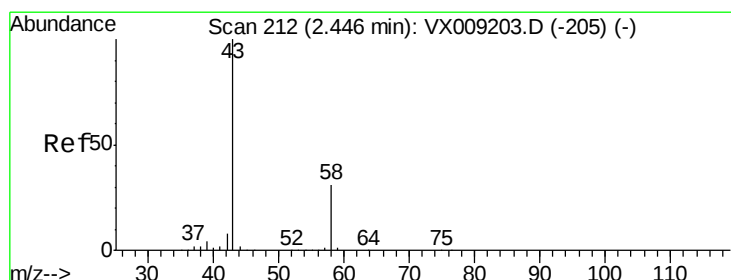
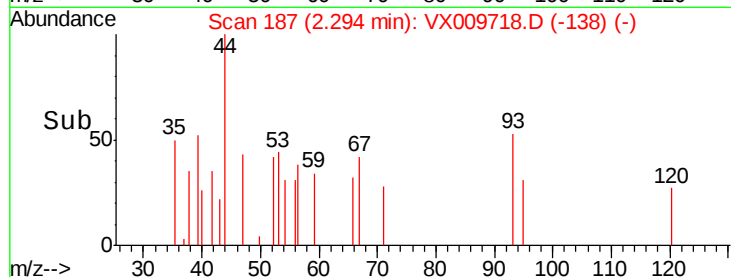
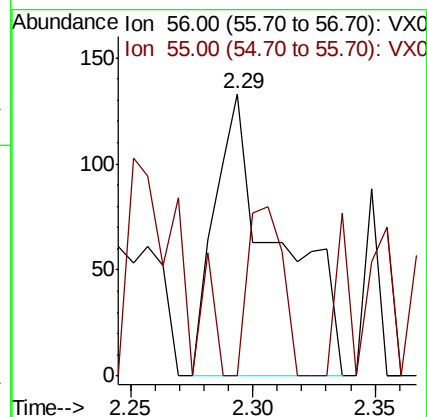
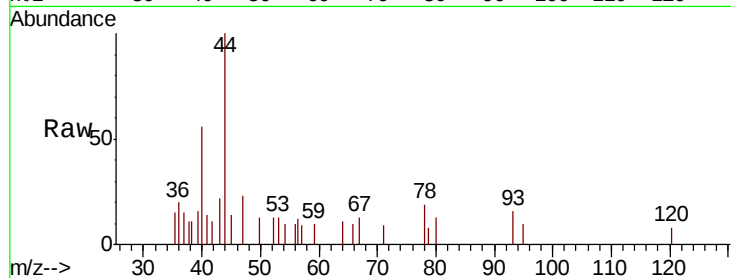
BP-VPB202-EB-20190515

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 32.8 56.6 85.0#



#16

Acetone

Concen: 7.028 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009718.D

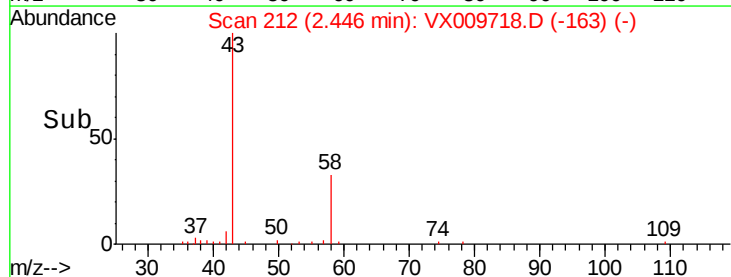
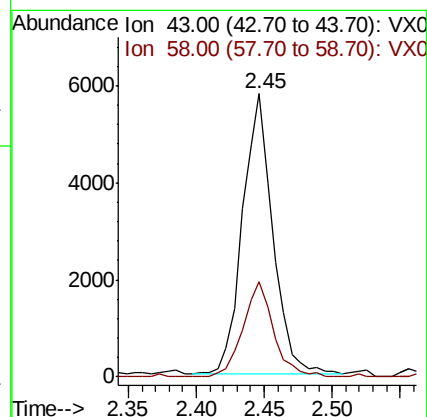
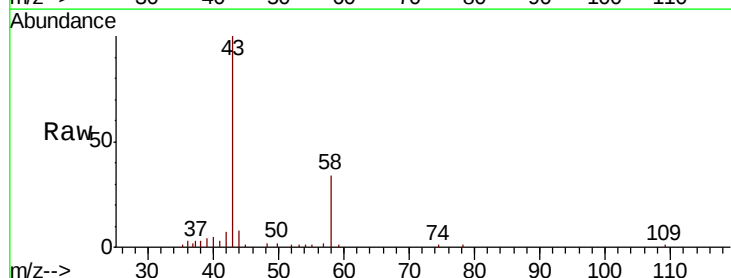
Acq: 20 May 2019 12:08

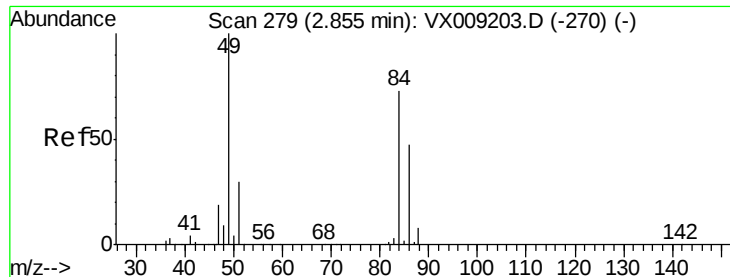
Tgt Ion: 43 Resp: 8878

Ion Ratio Lower Upper

43 100

58 34.0 24.9 37.3

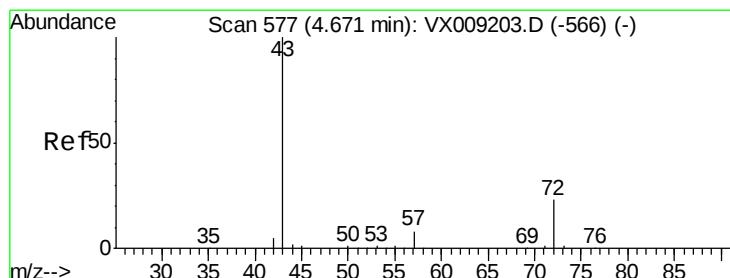
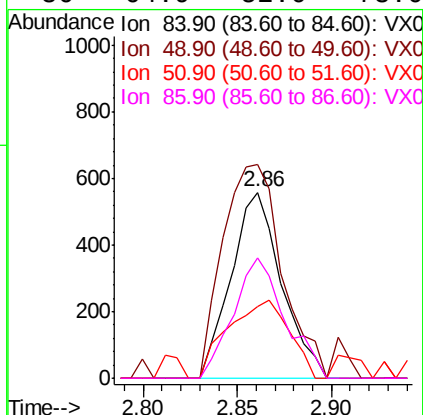
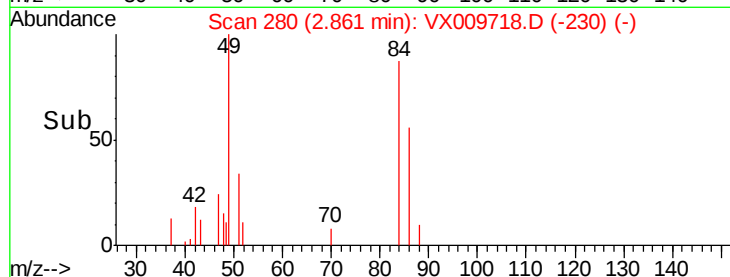
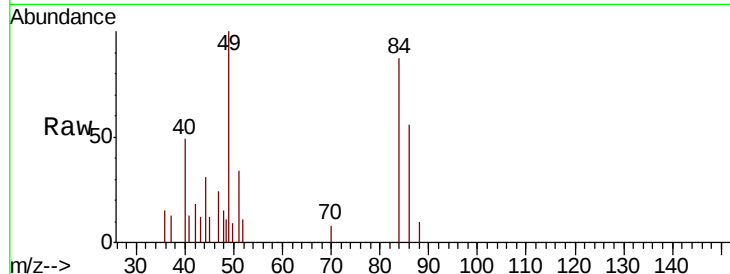




#20
Methylene Chloride
Concen: 0.506 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009718.D
Acq: 20 May 2019 12:08

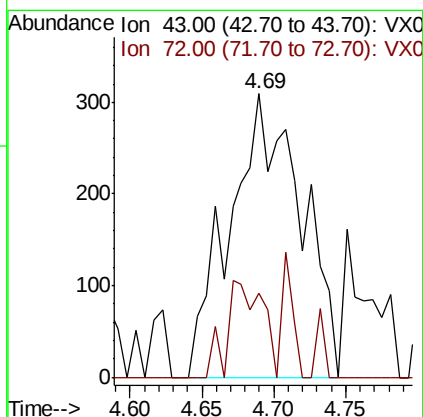
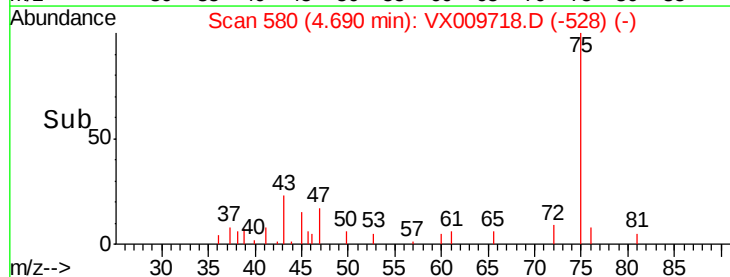
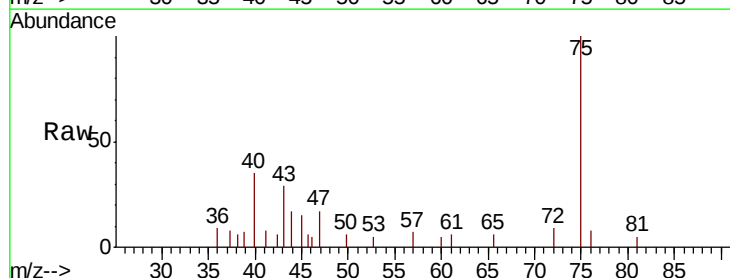
Instrument :
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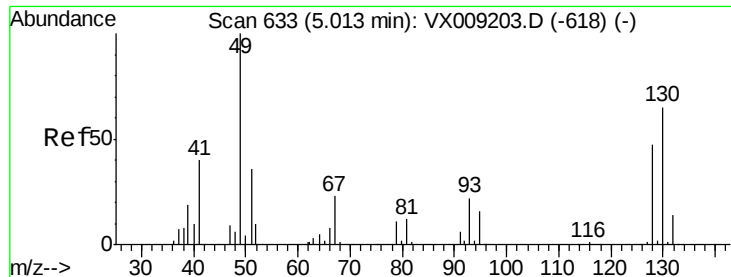
Tgt Ion: 84 Resp: 1034
Ion Ratio Lower Upper
84 100
49 114.9 109.9 164.9
51 38.5 32.7 49.1
86 64.9 52.0 78.0



#25
2-Butanone
Concen: 0.543 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009718.D
Acq: 20 May 2019 12:08

Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
72 29.8 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

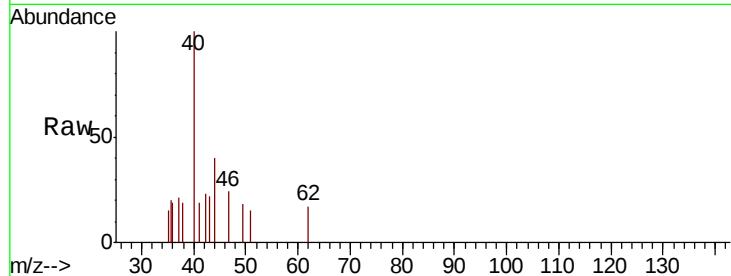
Lab File: VX009718.D

Acq: 20 May 2019 12:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

Tgt Ion: 49 Resp: 22

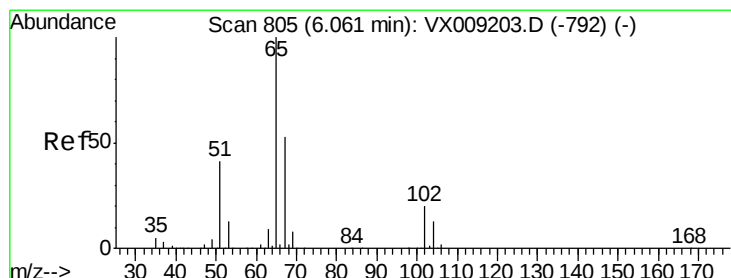
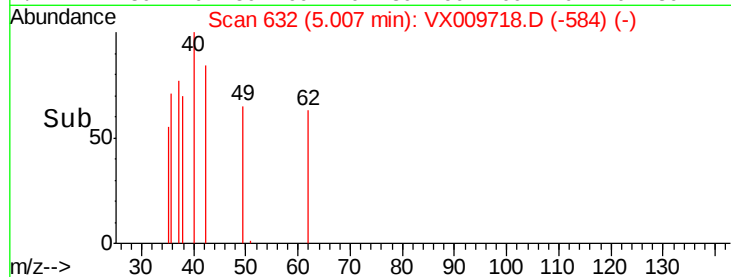
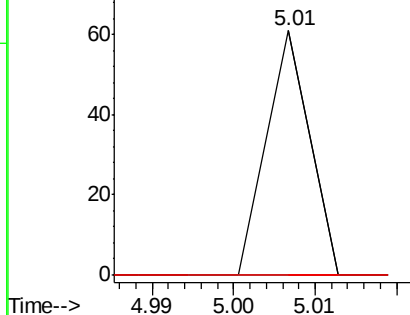
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 47.867 ug/l

RT: 6.06 min Scan# 805

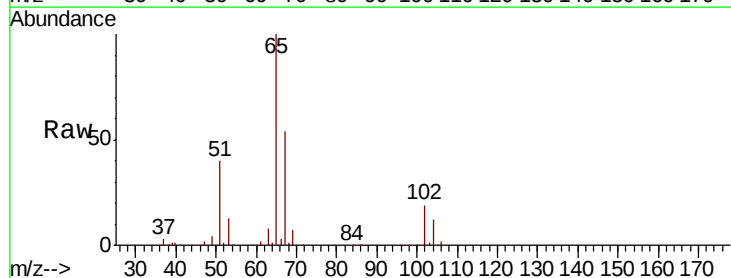
Delta R.T. -0.00 min

Lab File: VX009718.D

Acq: 20 May 2019 12:08

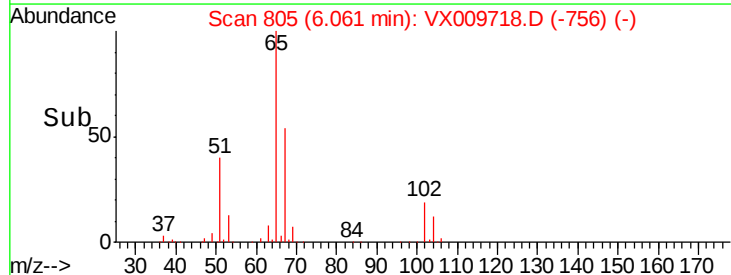
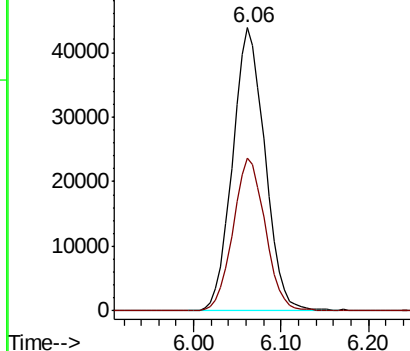
Tgt Ion: 65 Resp: 112613

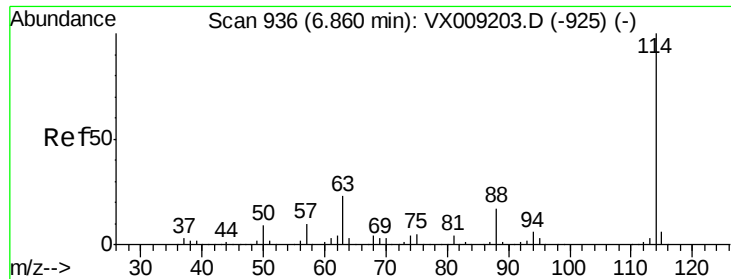
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

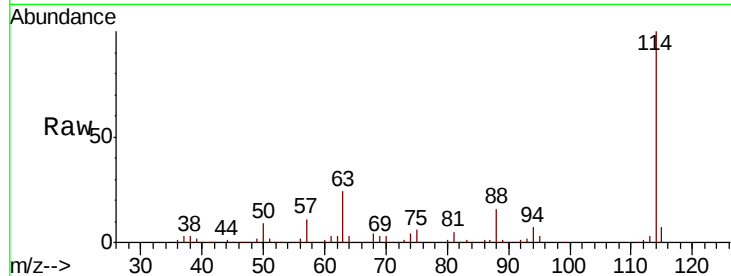




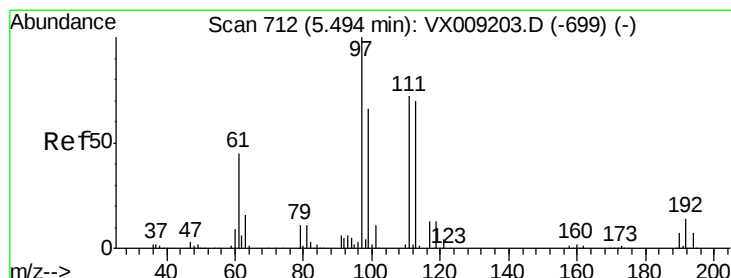
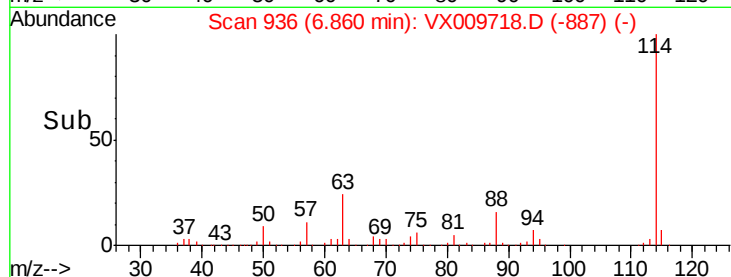
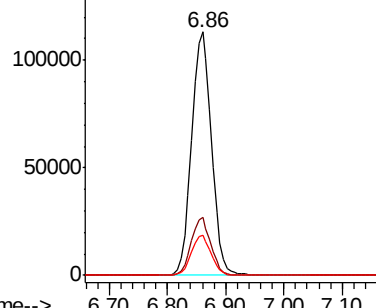
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009718.D
 Acq: 20 May 2019 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

Tgt Ion:114 Resp: 268021
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.5 0.0 33.2

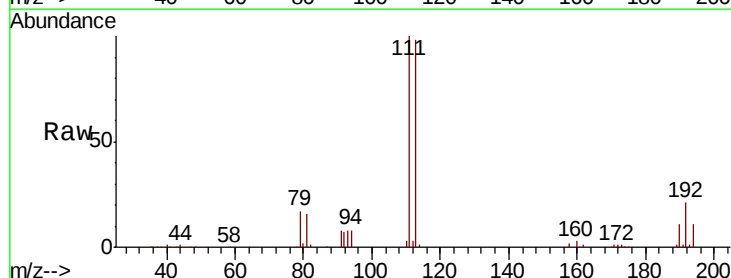


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

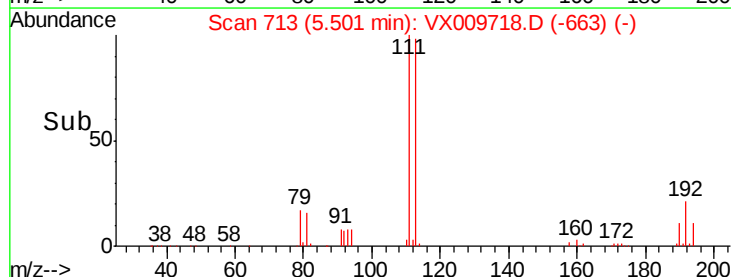
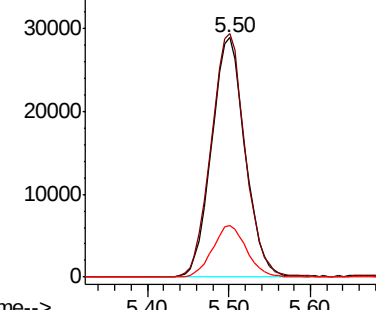


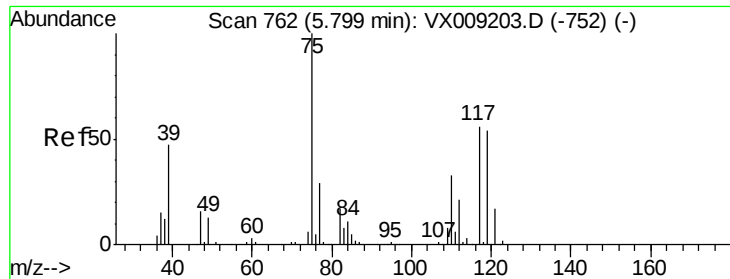
#35
 Dibromofluoromethane
 Concen: 49.023 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009718.D
 Acq: 20 May 2019 12:08

Tgt Ion:113 Resp: 82599
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 21.8 17.0 25.6



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

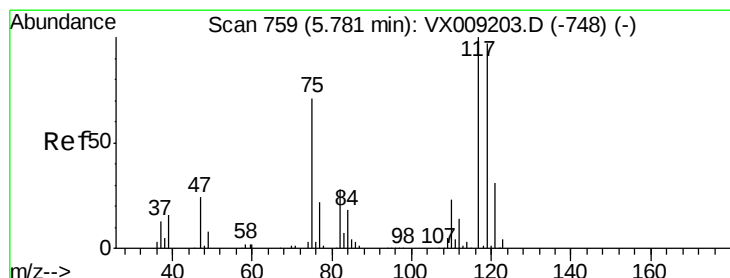
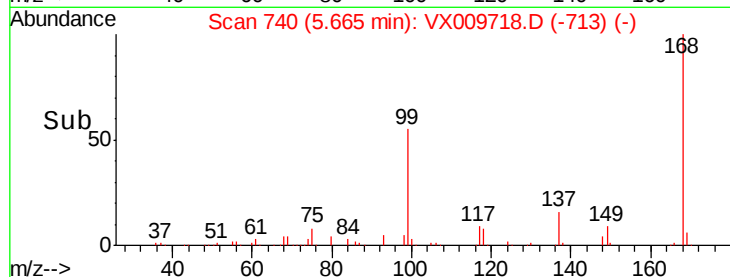
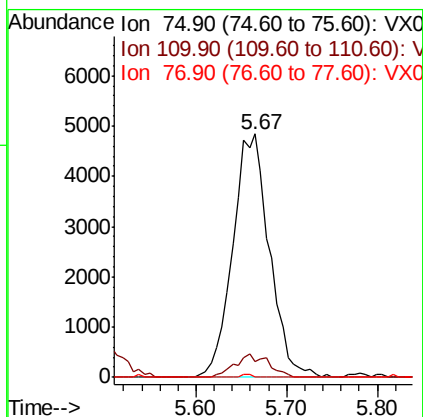
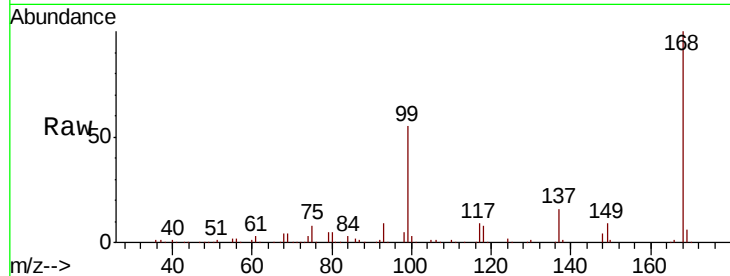




#36
 1,1-Dichloropropene
 Concen: 5.456 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009718.D
 Acq: 20 May 2019 12:08

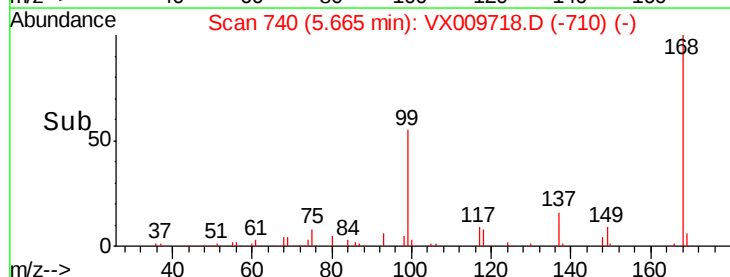
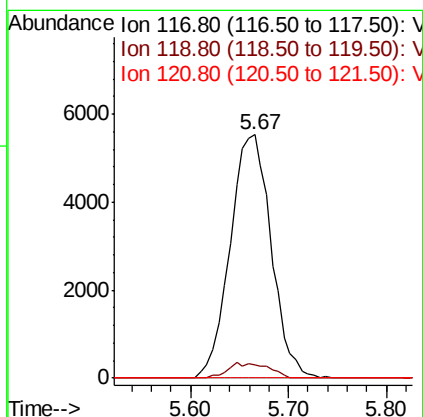
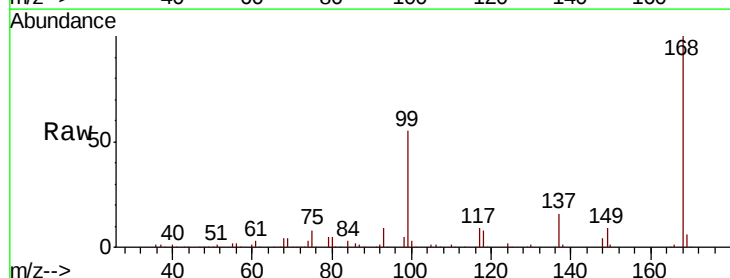
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

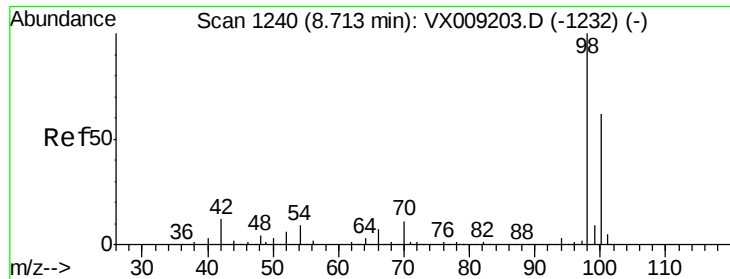
Tgt Ion: 75 Resp: 13590
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.3 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.102 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009718.D
 Acq: 20 May 2019 12:08

Tgt Ion: 117 Resp: 16073
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.5 116.3#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 49.935 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009718.D

Acq: 20 May 2019 12:08

Instrument :

MSVOA_X

ClientSampleId :

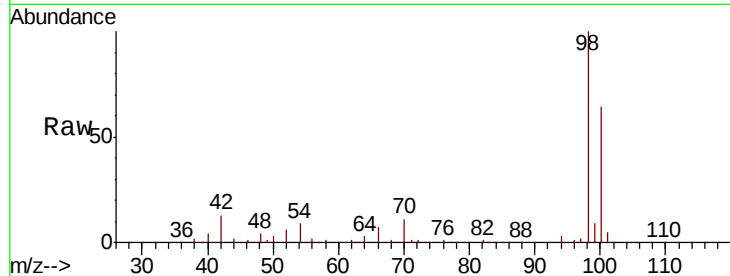
BP-VPB202-EB-20190515

Tgt Ion: 98 Resp: 339673

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

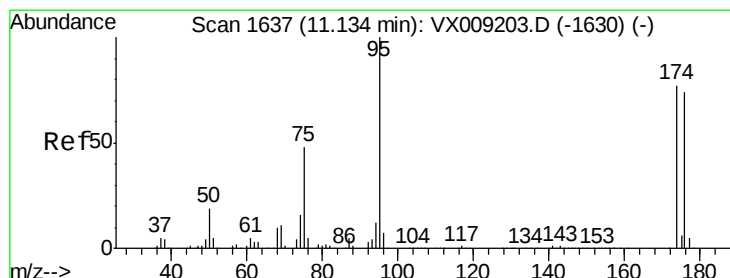
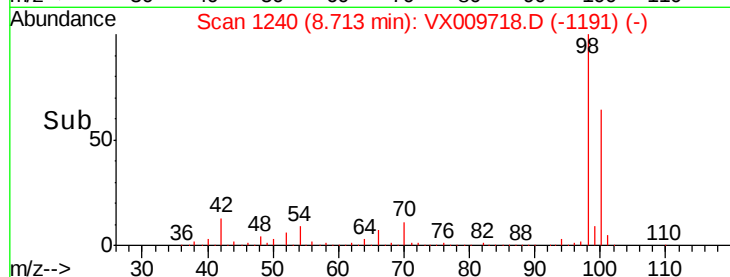
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 42.209 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009718.D

Acq: 20 May 2019 12:08

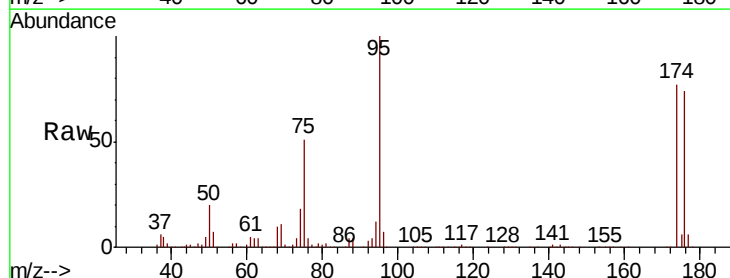
Tgt Ion: 95 Resp: 104327

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.6

176 78.9 0.0 159.2



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

100000

80000

60000

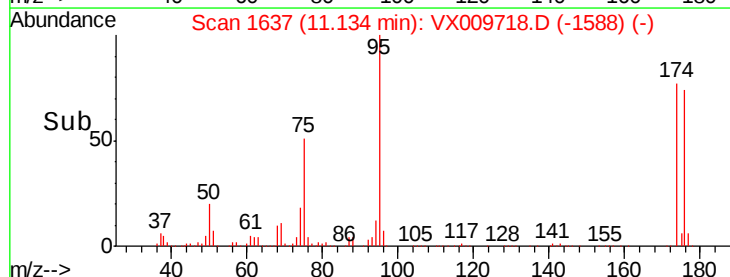
40000

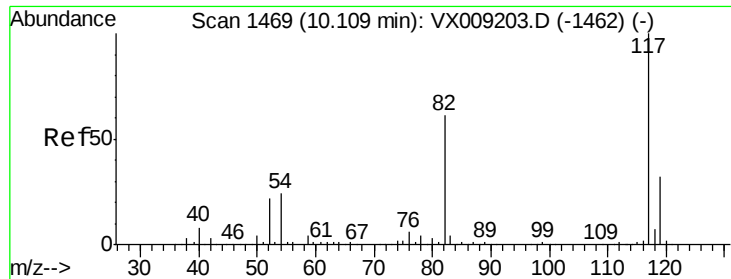
20000

0

11.10 11.20

Time-->

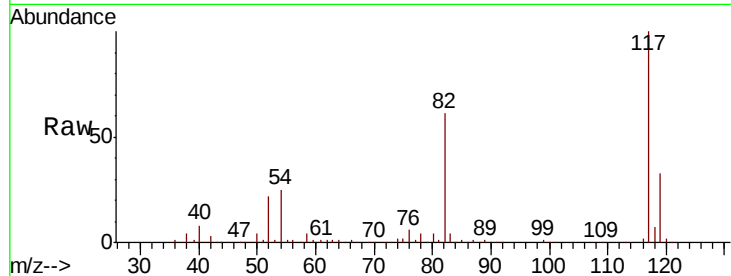




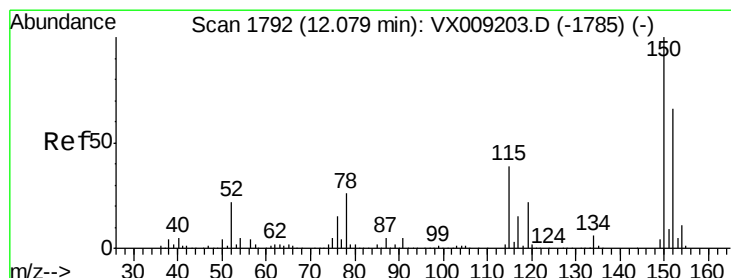
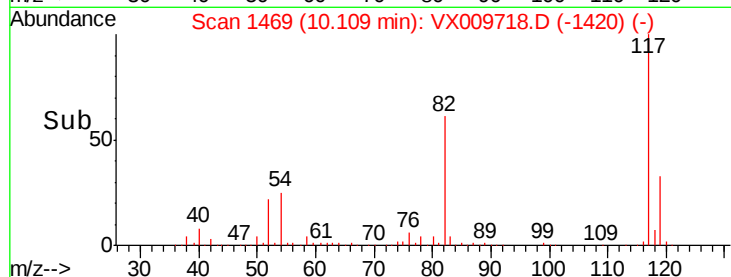
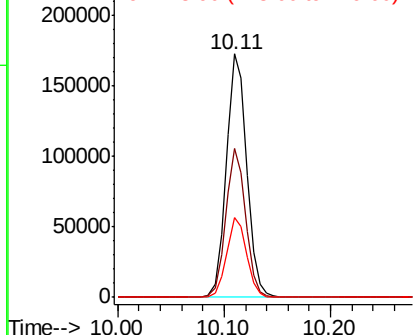
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009718.D
Acq: 20 May 2019 12:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190515

Tgt Ion:117 Resp: 232031
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 32.8 25.8 38.6

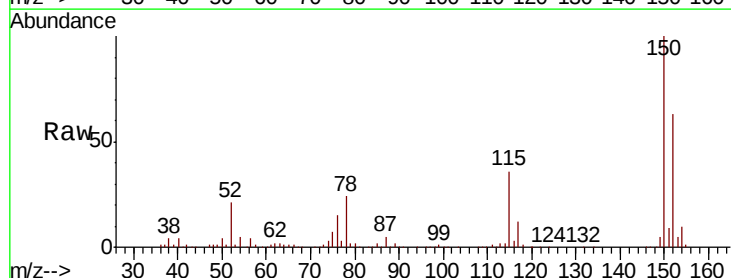


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

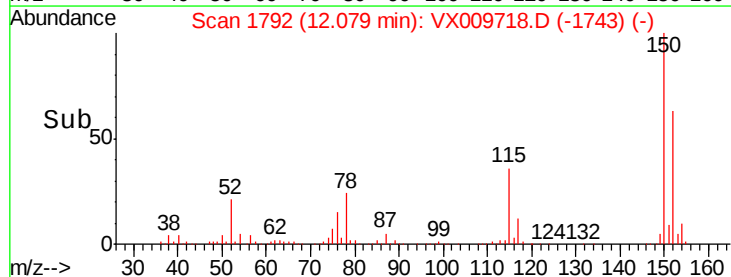
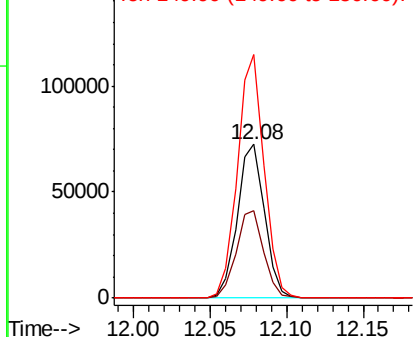


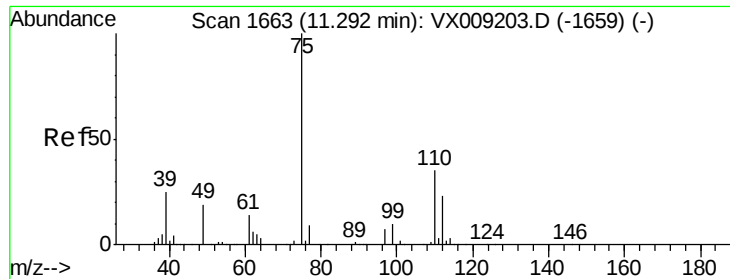
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009718.D
Acq: 20 May 2019 12:08

Tgt Ion:152 Resp: 89285
Ion Ratio Lower Upper
152 100
115 57.4 41.2 123.6
150 155.1 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

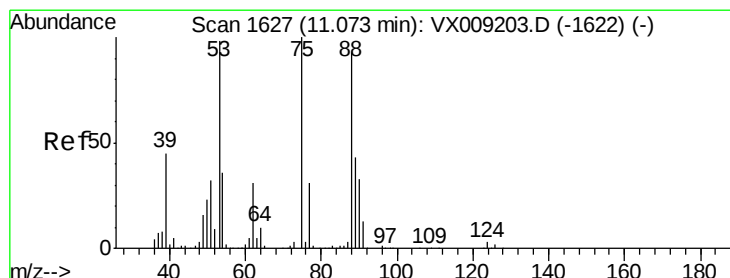
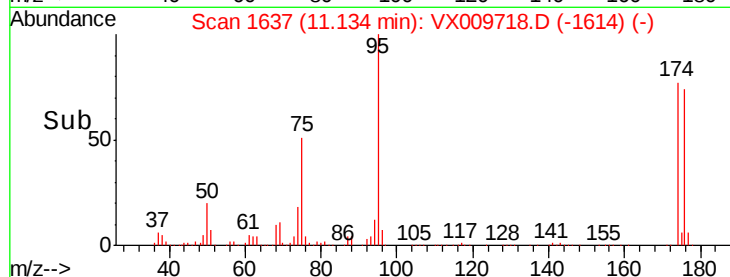
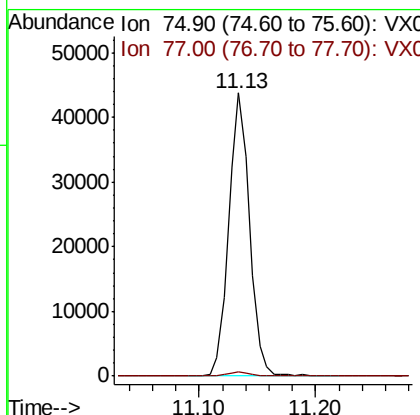
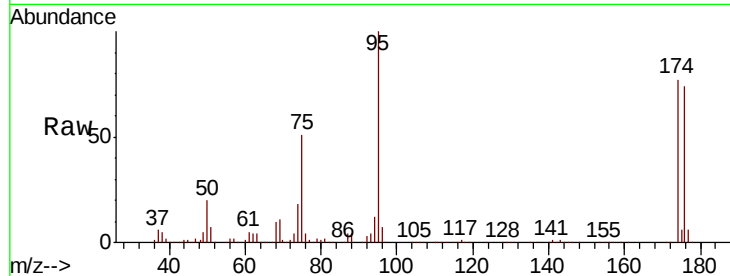




#76
 1,2,3-Trichloropropane
 Concen: 26.304 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009718.D
 Acq: 20 May 2019 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190515

Tgt Ion: 75 Resp: 54477
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.301 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009718.D
 Acq: 20 May 2019 12:08

Tgt Ion: 75 Resp: 54477
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

