

Data File : VX011310.D
Acq On : 02 Aug 2019 17:17
Operator : JC/SP
Sample : K4145-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-DUP-20190801

Quant Time: Aug 03 05:45:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	138713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	225413	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75565	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	5.49	113	71357	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	8.71	98	275386	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.13	95	92061	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds

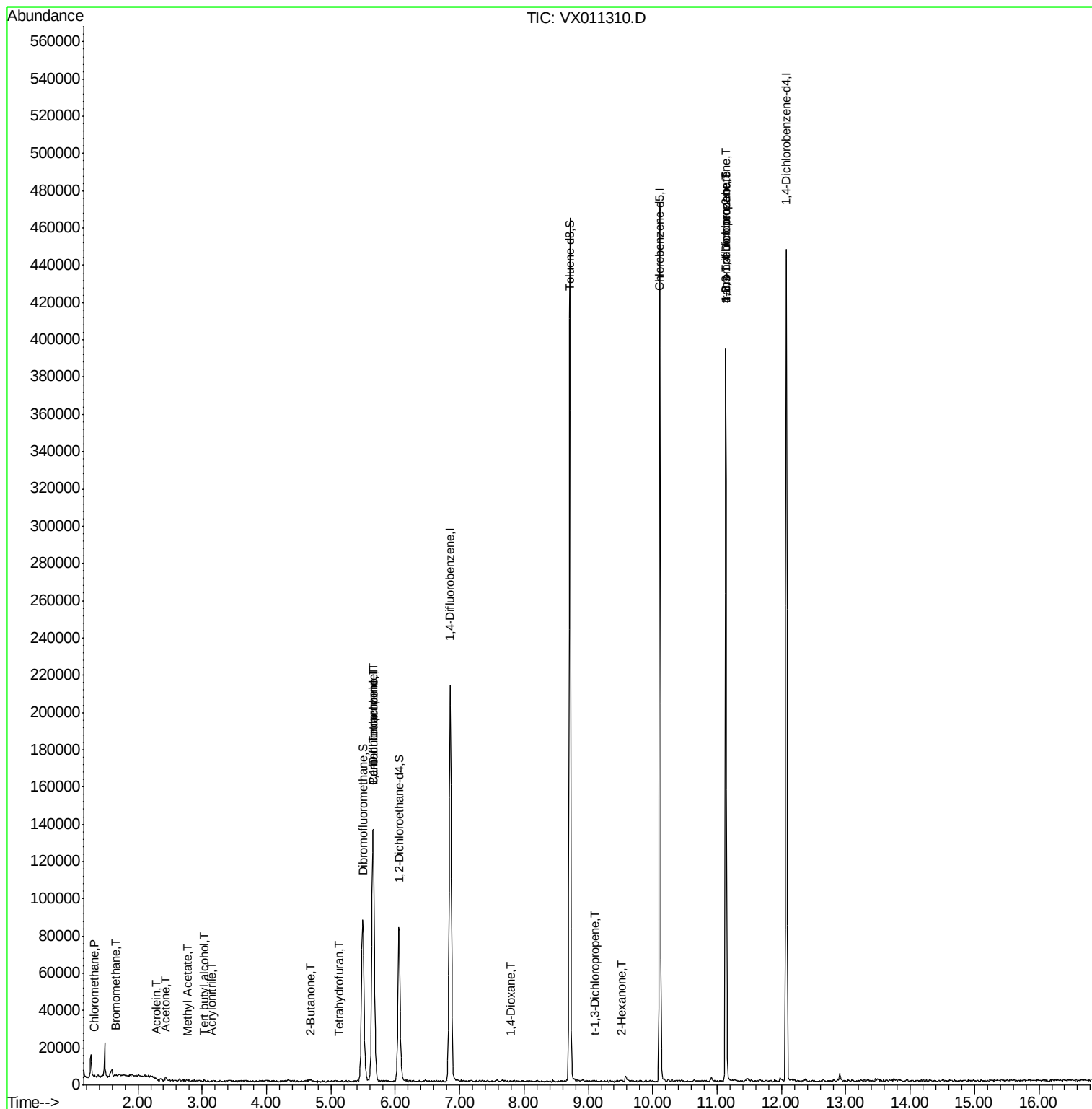
						Qvalue
3) Chloromethane	1.32	50	293	0.244	ug/l	91
5) Bromomethane	1.65	94	608	0.644	ug/l #	60
6) Chloroethane	1.70	64	1247	Below Cal	#	60
11) Tert butyl alcohol	3.02	59	188	0.698	ug/l #	1
13) Acrolein	2.29	56	138	0.375	ug/l #	15
15) Acrylonitrile	3.15	53	274	0.412	ug/l #	47
16) Acetone	2.43	43	2735	4.113	ug/l	97
18) Methyl Acetate	2.78	43	439	0.289	ug/l #	49
25) 2-Butanone	4.68	43	488	0.516	ug/l #	86
29) Tetrahydrofuran	5.13	42	167	0.288	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	9052	4.599	ug/l #	48
38) Carbon Tetrachloride	5.66	117	12948	6.539	ug/l #	14
49) 1,4-Dioxane	7.80	88	19	0.441	ug/l #	1
53) t-1,3-Dichloropropene	9.10	75	21	2.847	ug/l #	43
59) 2-Hexanone	9.51	43	427	0.271	ug/l	63
76) 1,2,3-Trichloropropane	11.13	75	46302	25.102	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	46302	65.488	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

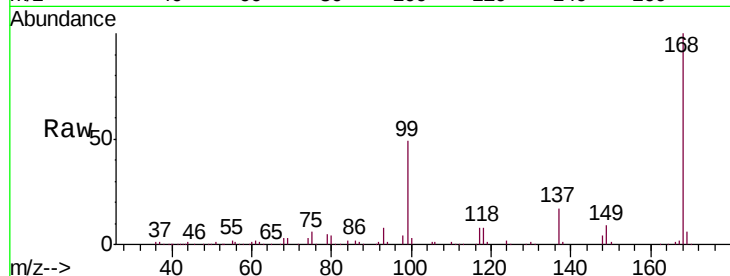
BP-VPB203-DUP-20190801

Tgt Ion:168 Resp: 138713

Ion Ratio Lower Upper

168 100

99 49.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

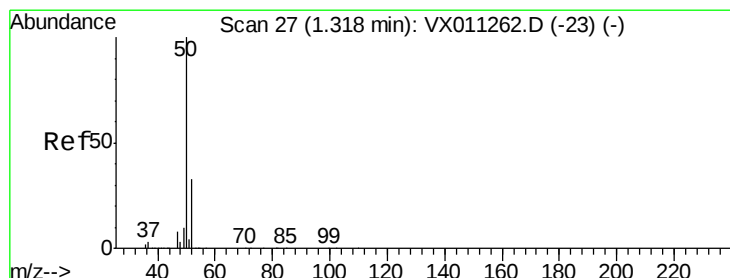
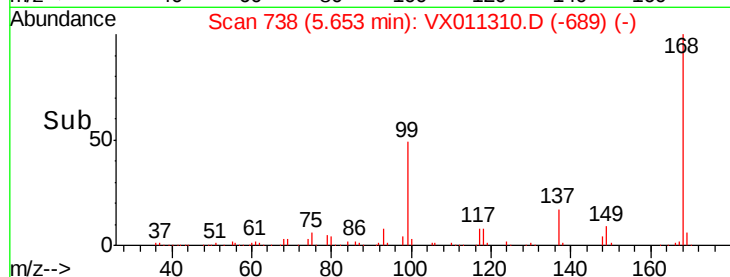
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011310.D

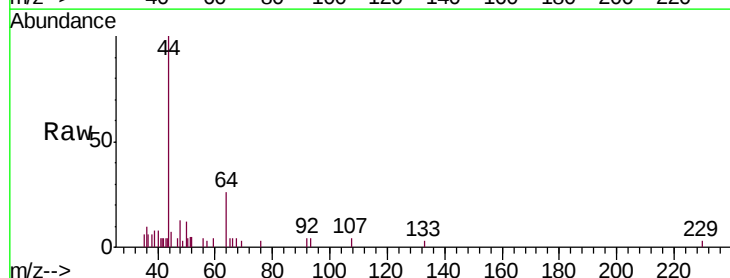
Acq: 02 Aug 2019 17:17

Tgt Ion: 50 Resp: 293

Ion Ratio Lower Upper

50 100

52 27.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

150

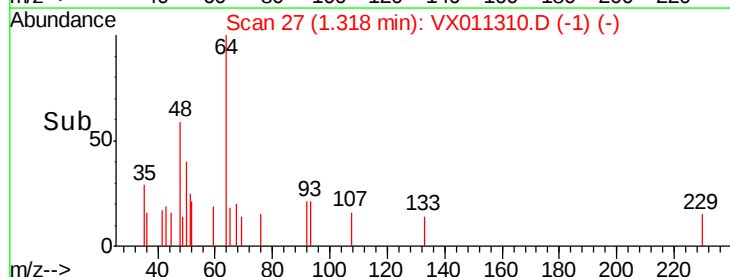
100

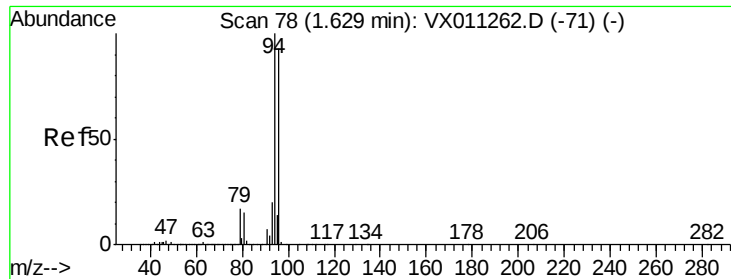
50

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.644 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

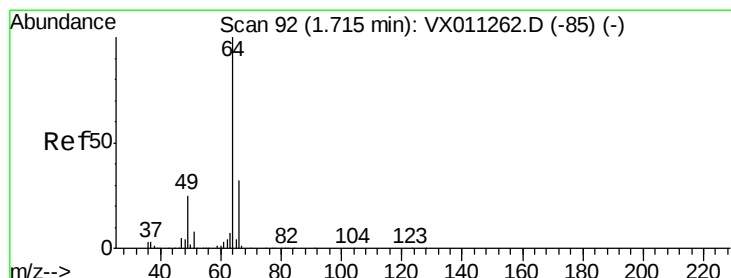
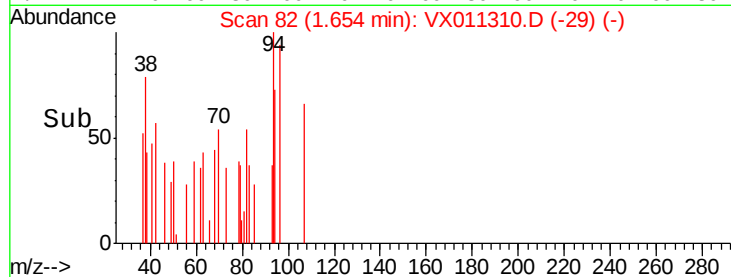
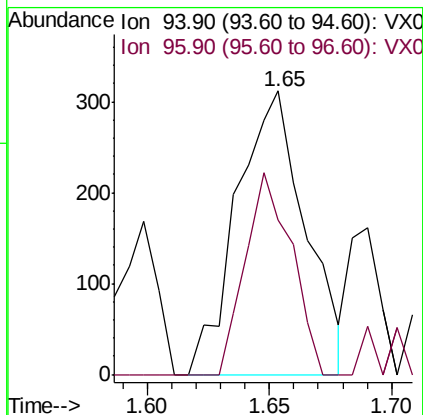
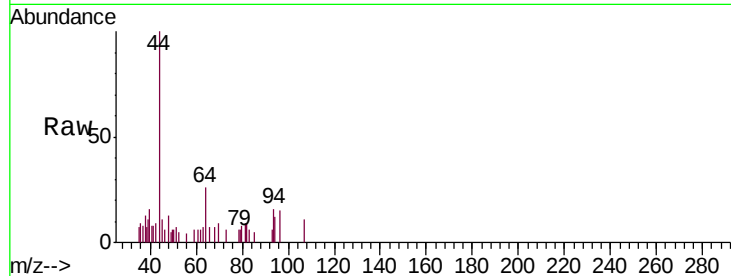
BP-VPB203-DUP-20190801

Tgt Ion: 94 Resp: 608

Ion Ratio Lower Upper

94 100

96 54.5 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011310.D

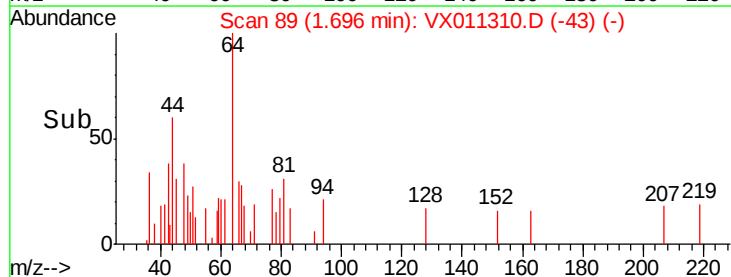
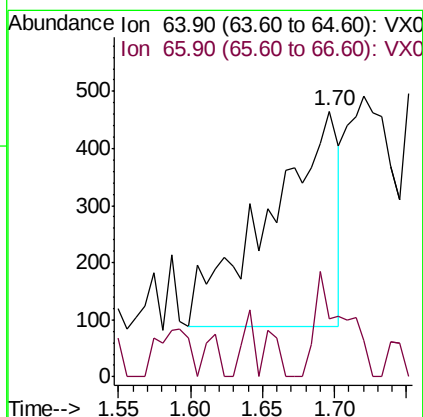
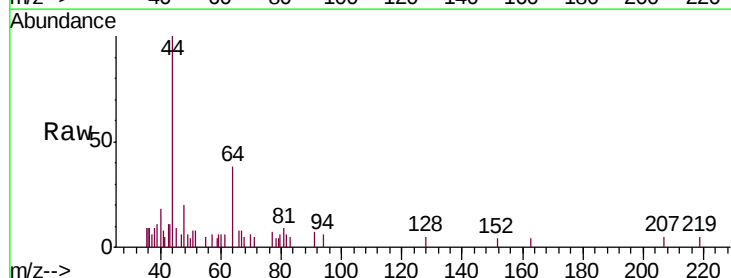
Acq: 02 Aug 2019 17:17

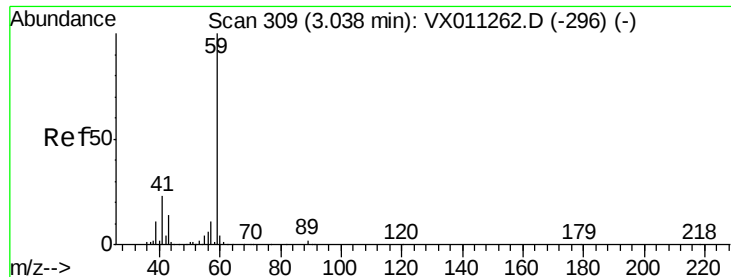
Tgt Ion: 64 Resp: 1247

Ion Ratio Lower Upper

64 100

66 9.3 25.1 37.7#

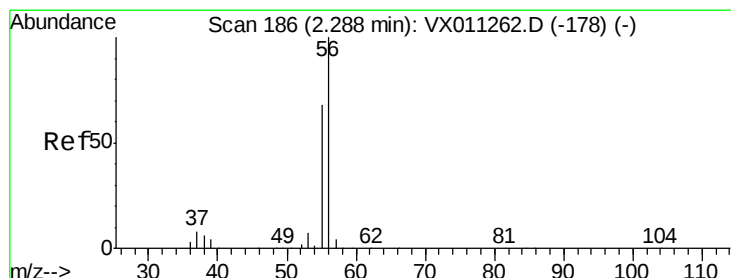
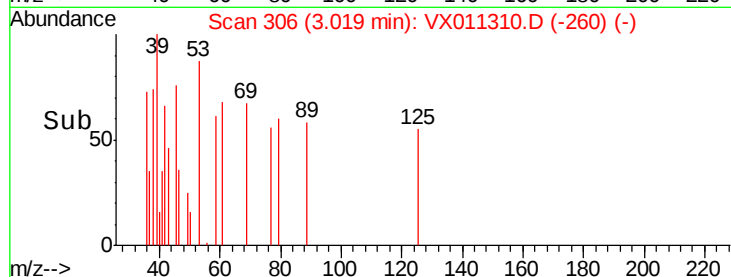
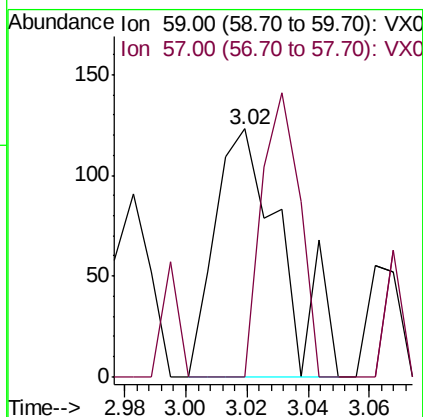
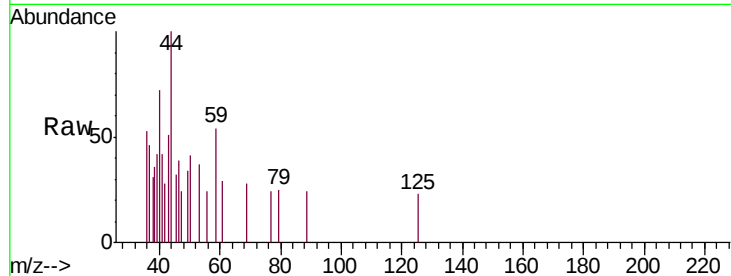




#11
Tert butyl alcohol
Concen: 0.698 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

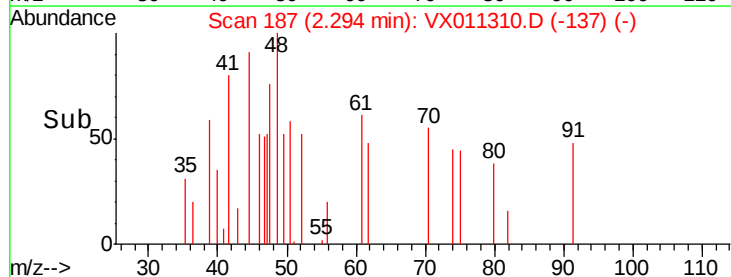
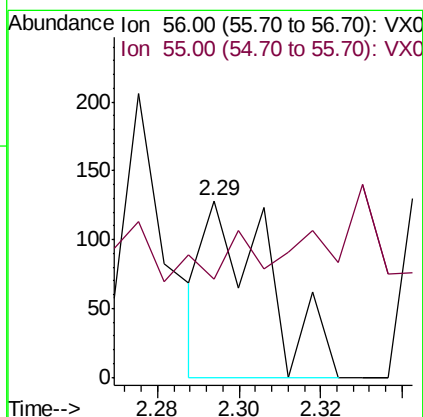
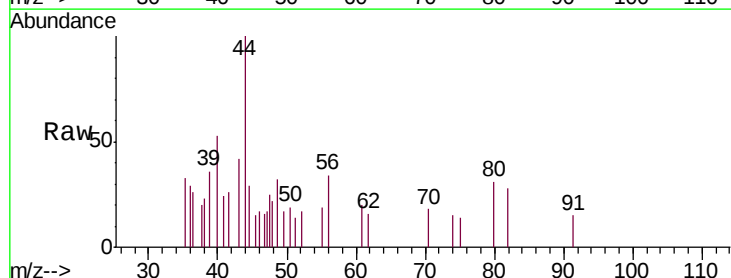
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-DUP-20190801

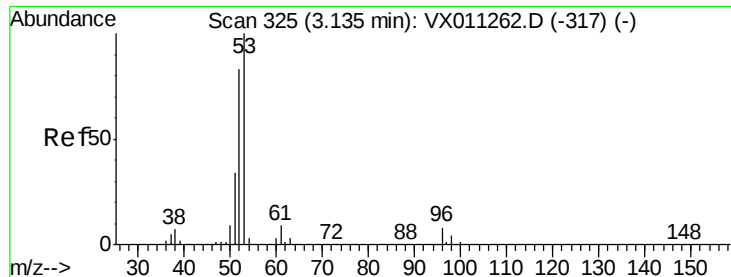
Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 64.4 8.3 12.5#



#13
Acrolein
Concen: 0.375 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#





#15

Acrylonitrile

Concen: 0.412 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.02 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-DUP-20190801

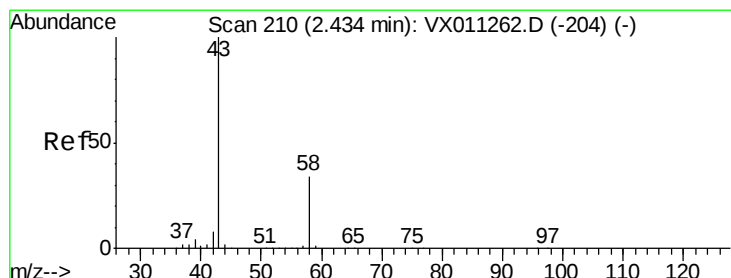
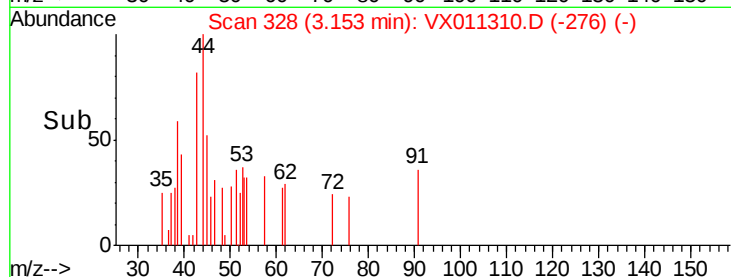
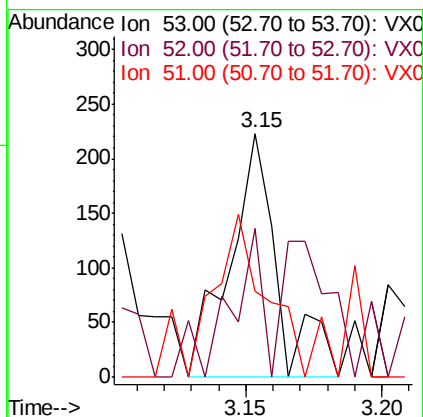
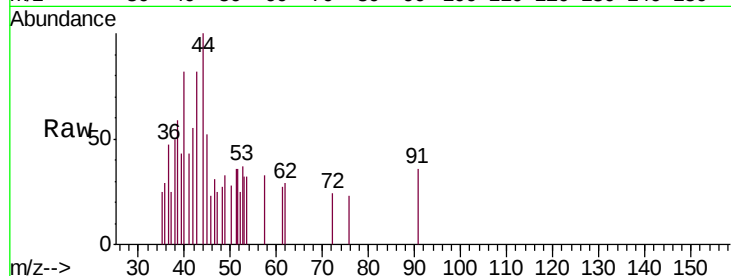
Tgt Ion: 53 Resp: 274

Ion Ratio Lower Upper

53 100

52 42.0 65.5 98.3#

51 77.7 27.9 41.9#



#16

Acetone

Concen: 4.113 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011310.D

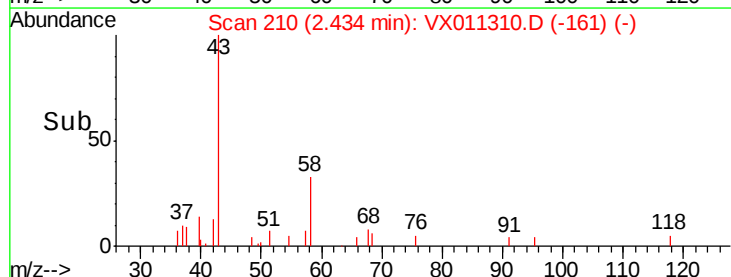
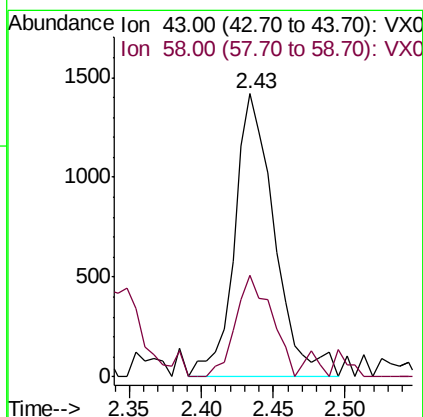
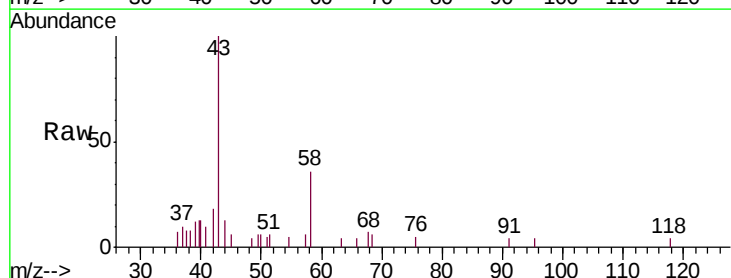
Acq: 02 Aug 2019 17:17

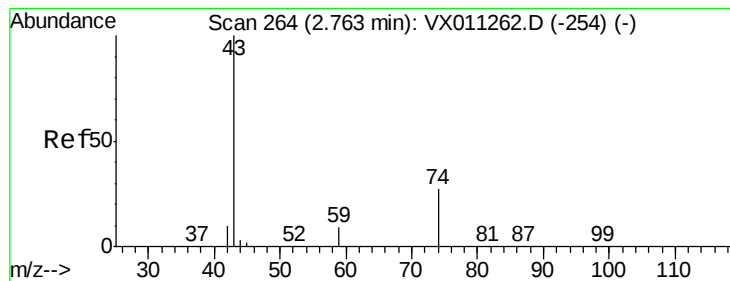
Tgt Ion: 43 Resp: 2735

Ion Ratio Lower Upper

43 100

58 36.0 27.4 41.0





#18

Methyl Acetate

Concen: 0.289 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

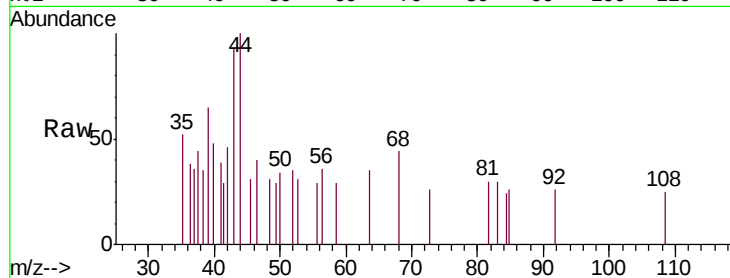
BP-VPB203-DUP-20190801

Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

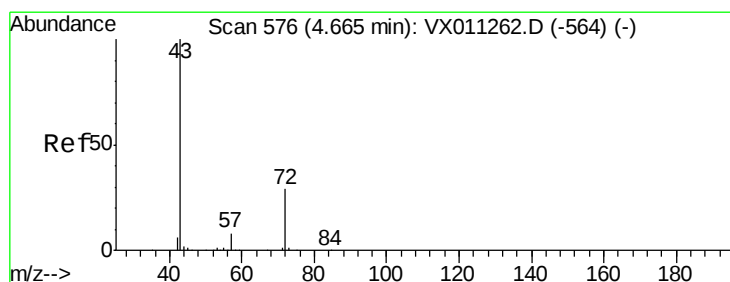
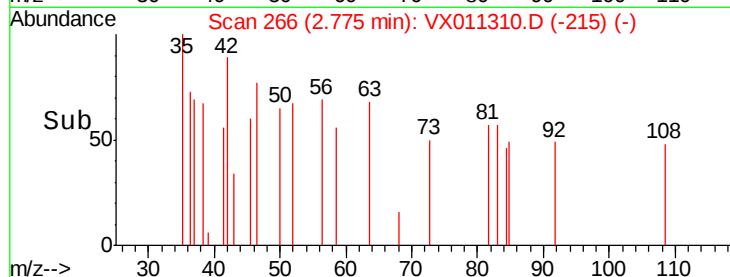
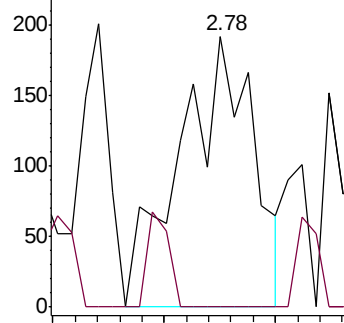
43 100

74 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#25

2-Butanone

Concen: 0.516 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011310.D

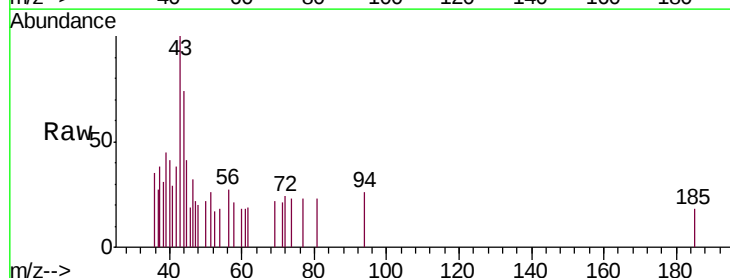
Acq: 02 Aug 2019 17:17

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

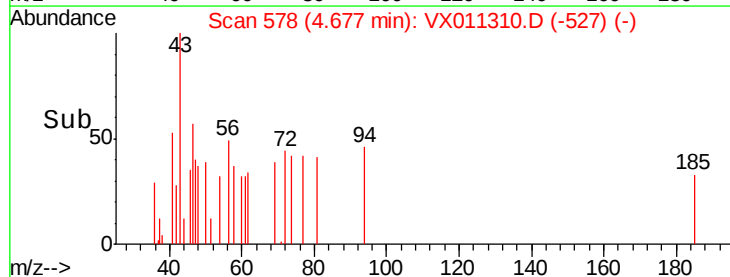
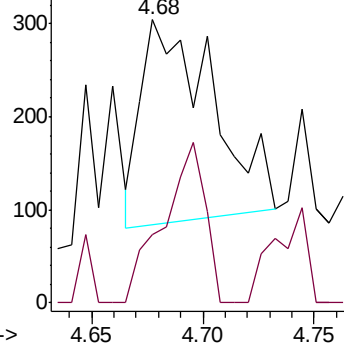
43 100

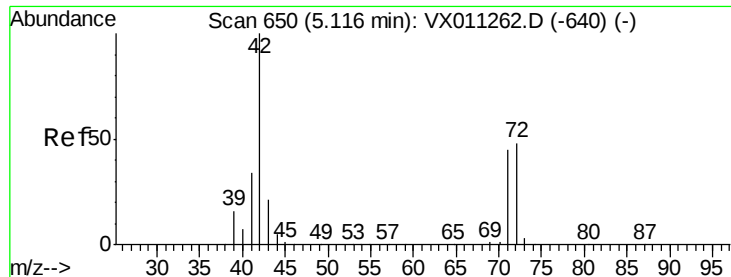
72 36.5 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

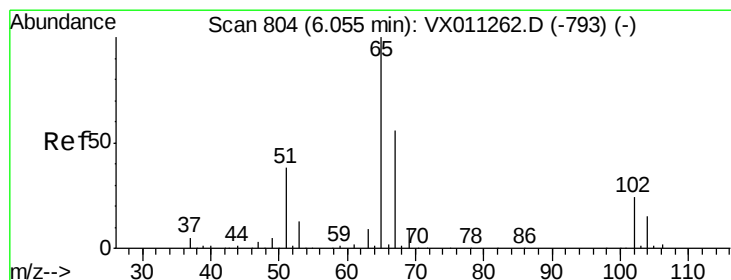
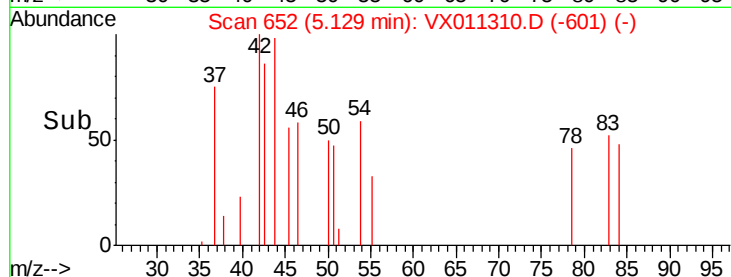
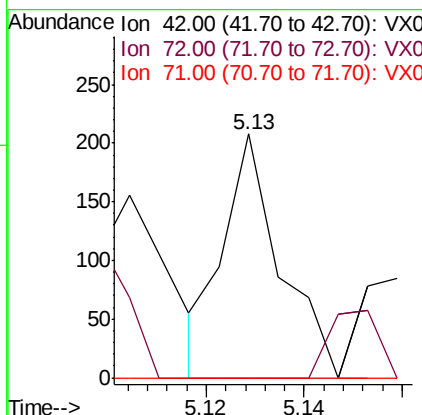
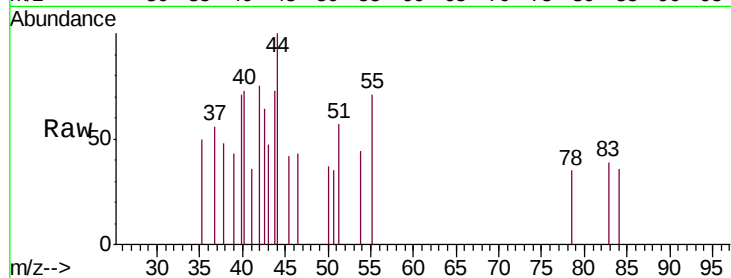




#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

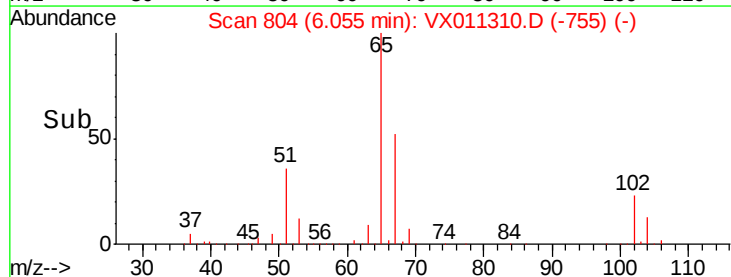
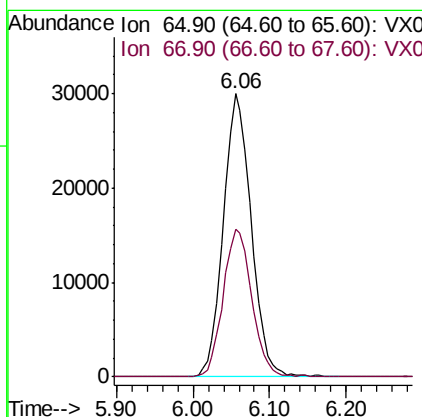
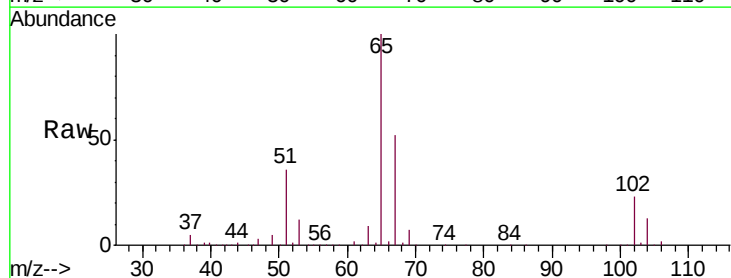
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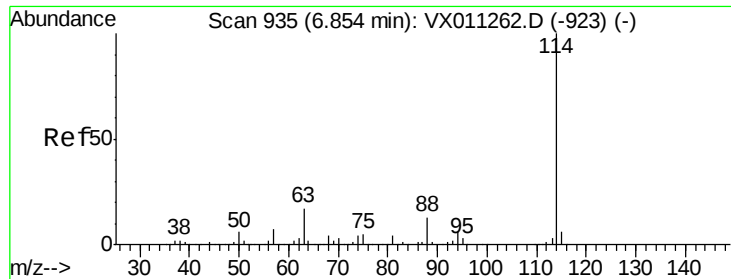
Tgt Ion: 42 Resp: 167
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 0.0 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 54.094 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

Tgt Ion: 65 Resp: 75565
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-DUP-20190801

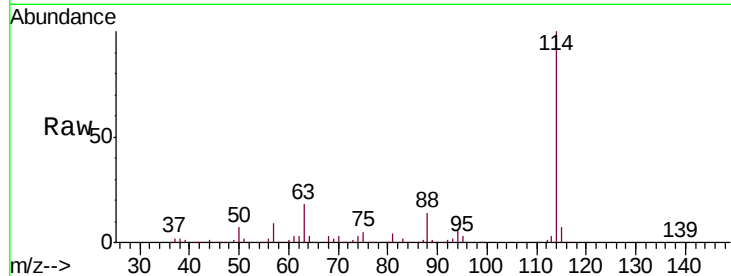
Tgt Ion:114 Resp: 225413

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

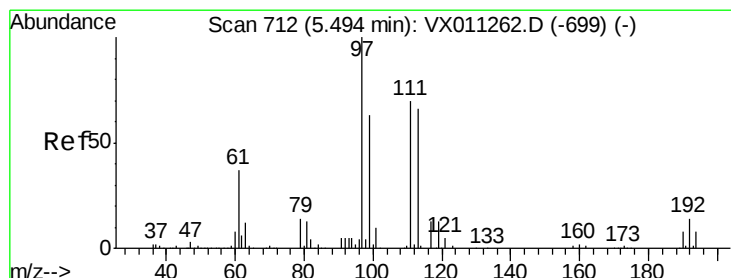
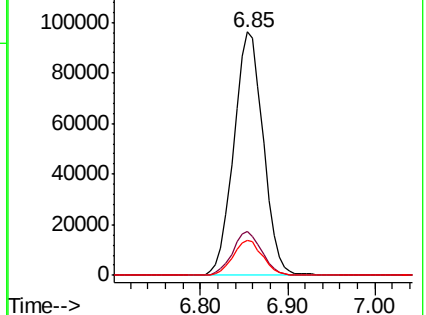
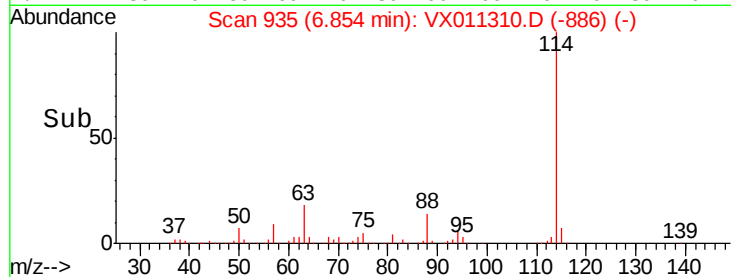
88 14.3 0.0 26.4



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: 48.487 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

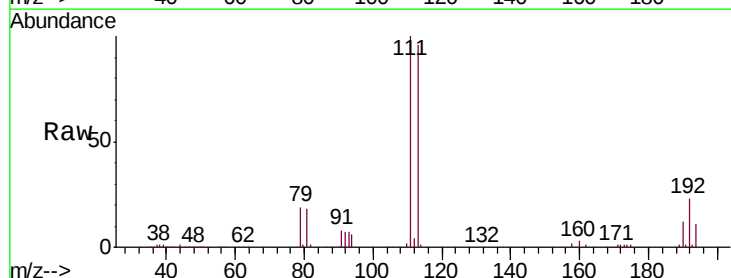
Tgt Ion:113 Resp: 71357

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

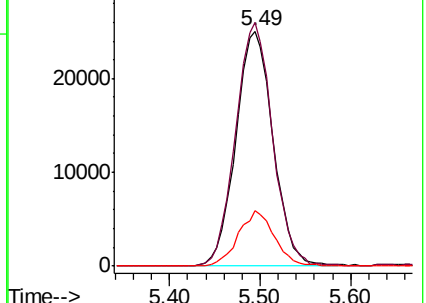
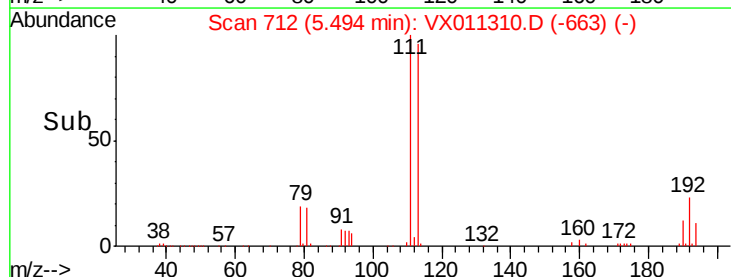
192 22.6 17.8 26.8

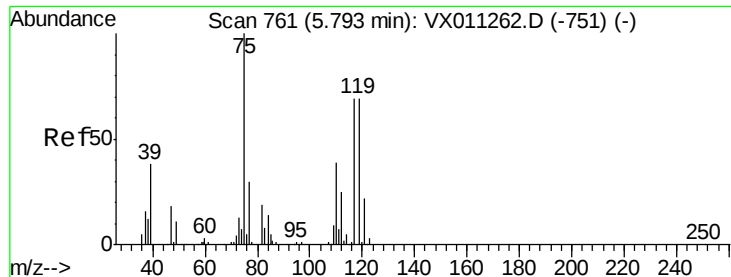


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

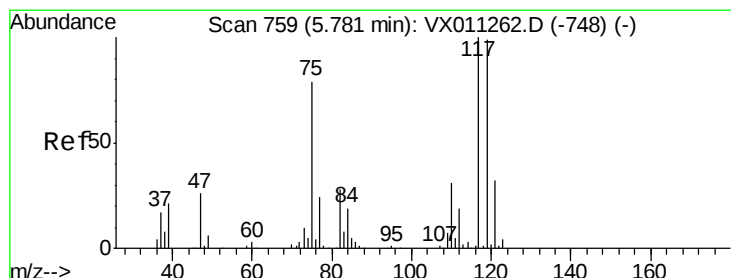
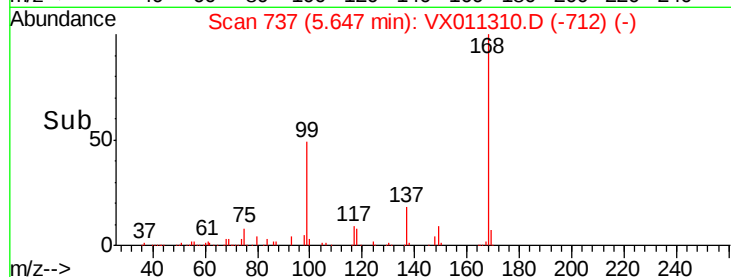
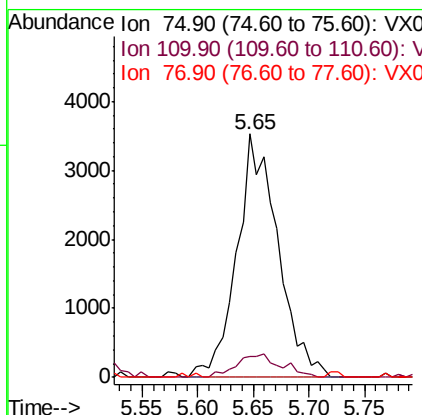
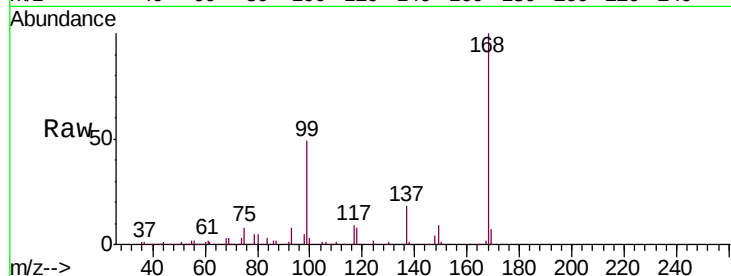




#36
 1,1-Dichloropropene
 Concen: 4.599 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011310.D
 Acq: 02 Aug 2019 17:17

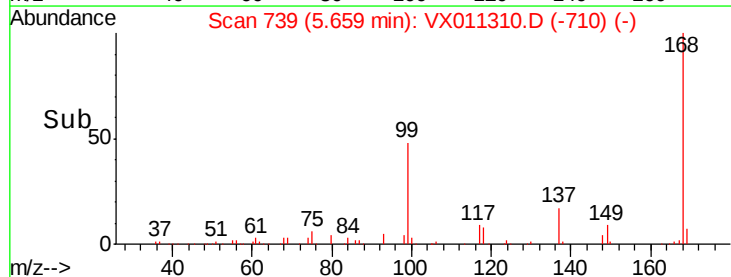
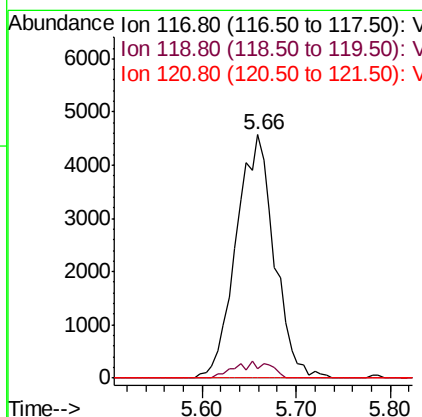
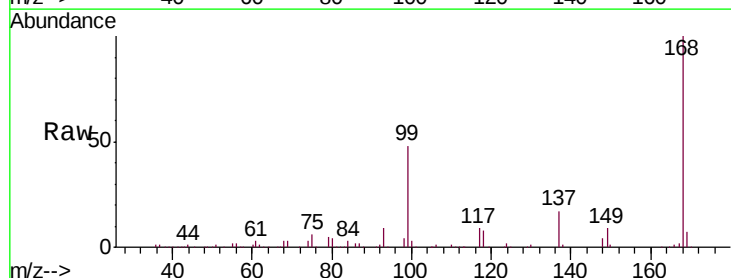
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-DUP-20190801

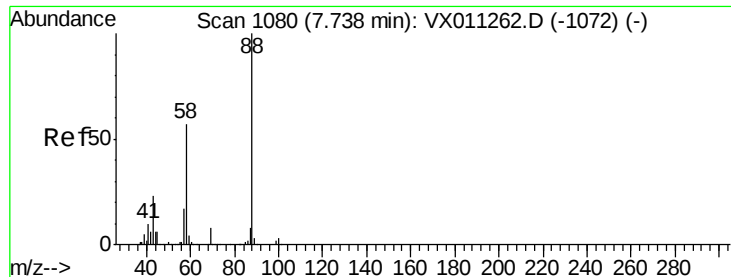
Tgt Ion: 75 Resp: 9052
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.539 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011310.D
 Acq: 02 Aug 2019 17:17

Tgt Ion: 117 Resp: 12948
 Ion Ratio Lower Upper
 117 100
 119 3.8 79.0 118.4#
 121 0.0 25.9 38.9#





#49

1,4-Dioxane

Concen: 0.441 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.06 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-DUP-20190801

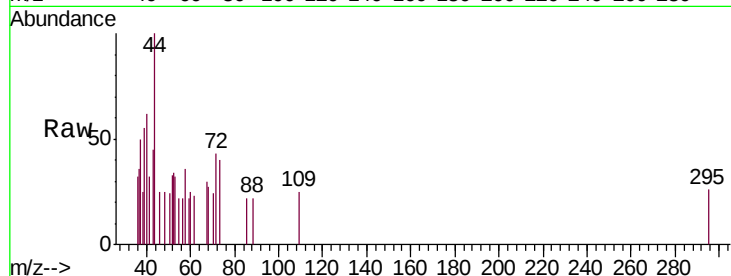
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

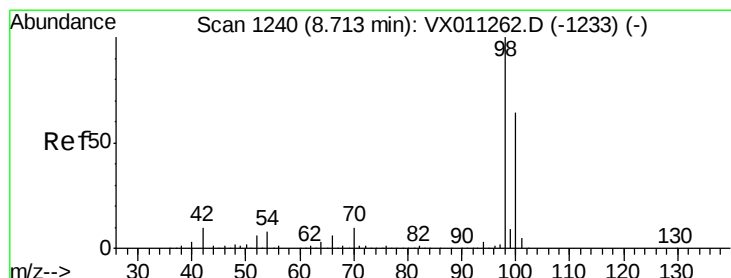
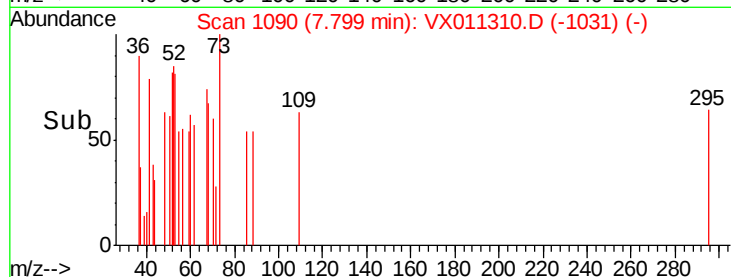
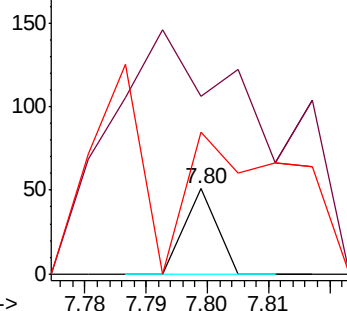
58 531.6 47.8 71.8#



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: 49.573 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011310.D

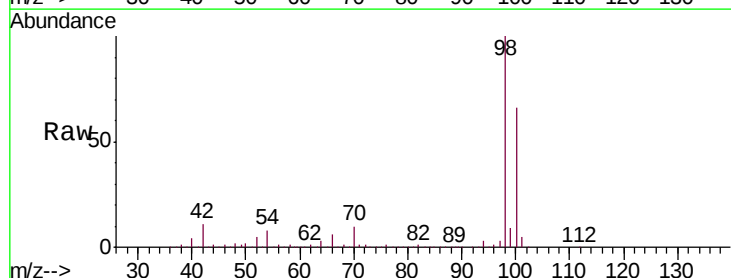
Acq: 02 Aug 2019 17:17

Tgt Ion: 98 Resp: 275386

Ion Ratio Lower Upper

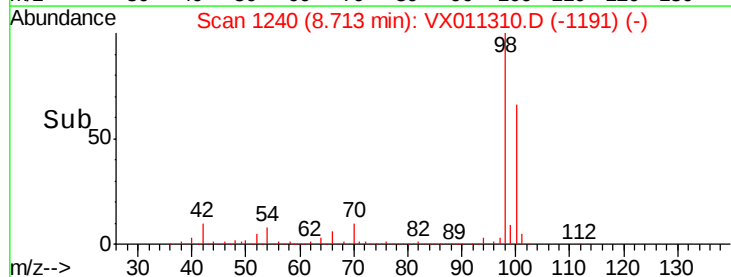
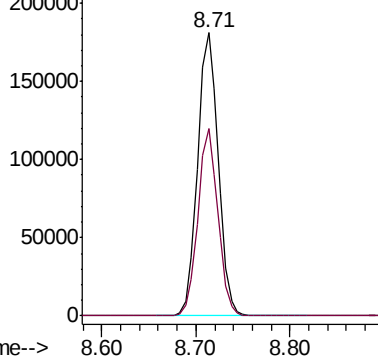
98 100

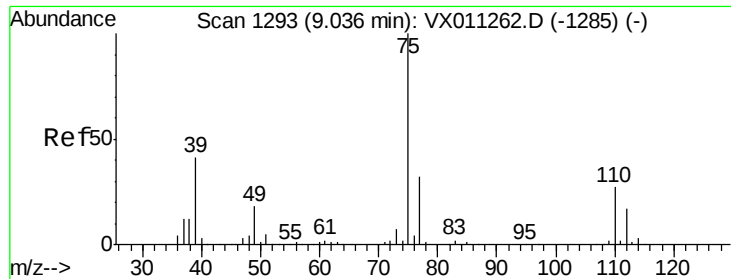
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

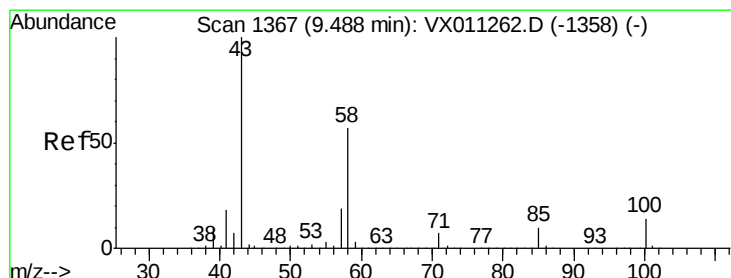
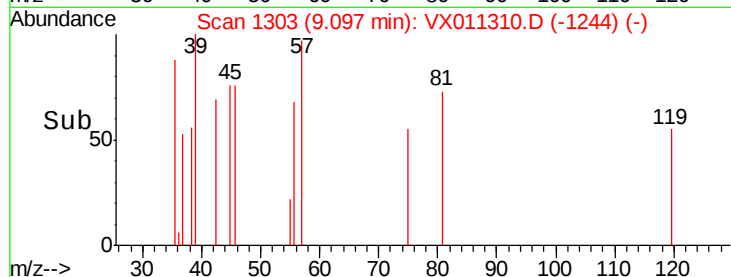
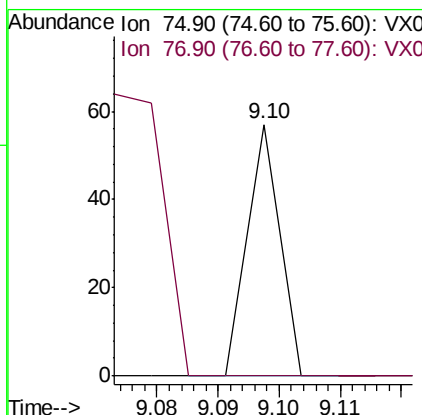
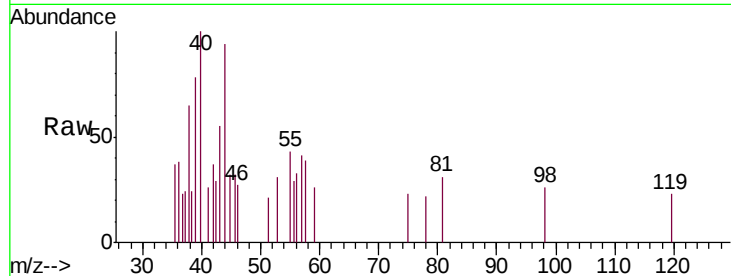




#53
t-1,3-Dichloropropene
Concen: 2.847 ug/l
RT: 9.10 min Scan# 1303
Delta R.T. 0.06 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

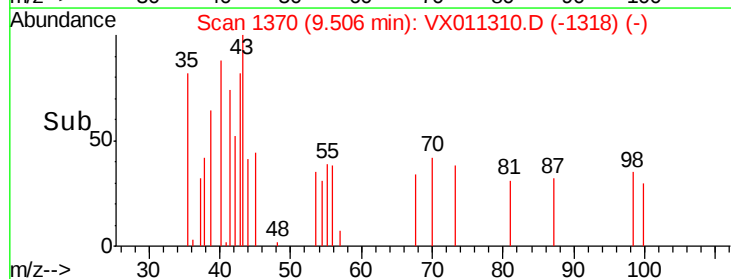
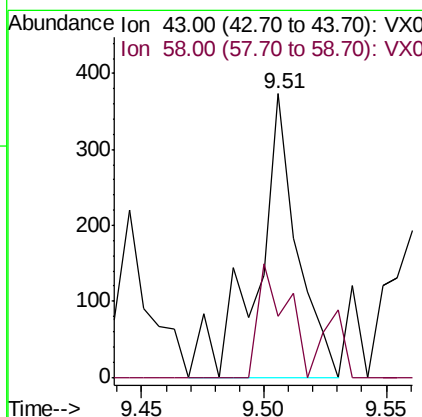
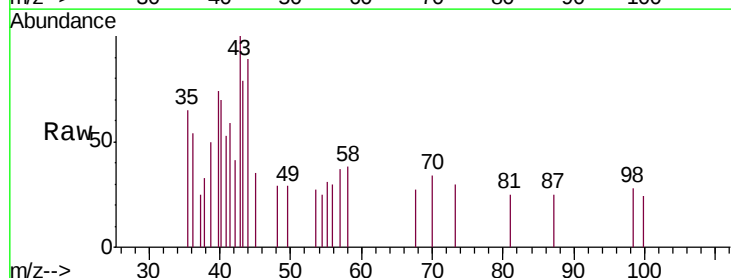
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-DUP-20190801

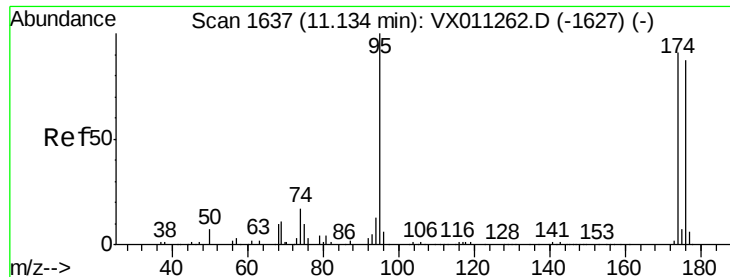
Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#59
2-Hexanone
Concen: 0.271 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
58 29.0 28.2 84.6

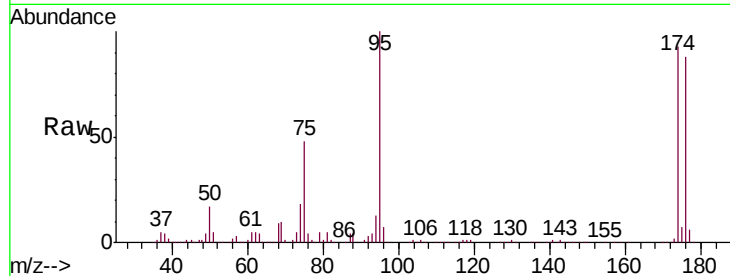




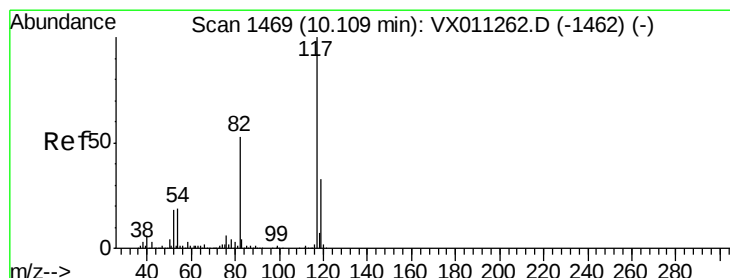
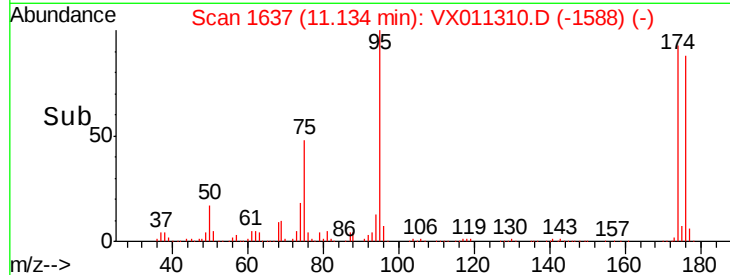
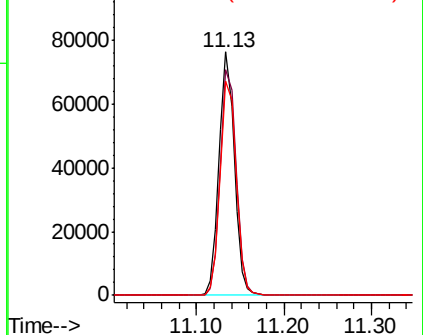
#62
4-Bromofluorobenzene
Concen: 46.417 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-DUP-20190801

Tgt Ion: 95 Resp: 92061
Ion Ratio Lower Upper
95 100
174 96.6 0.0 191.2
176 92.2 0.0 184.8

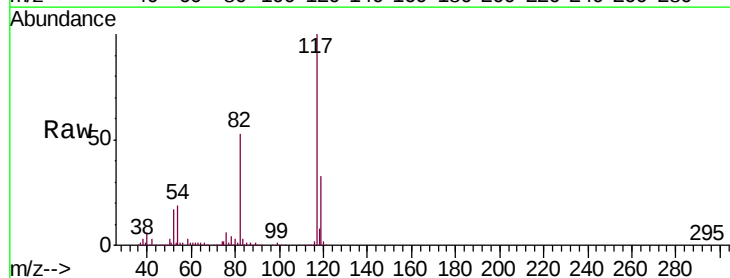


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

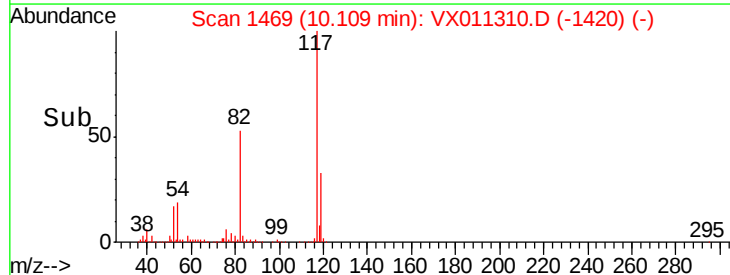
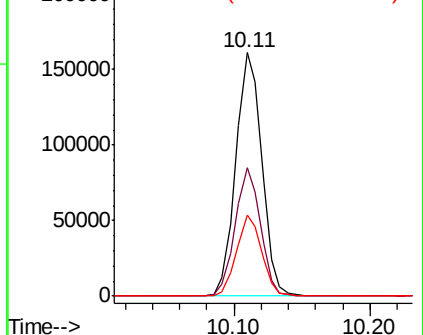


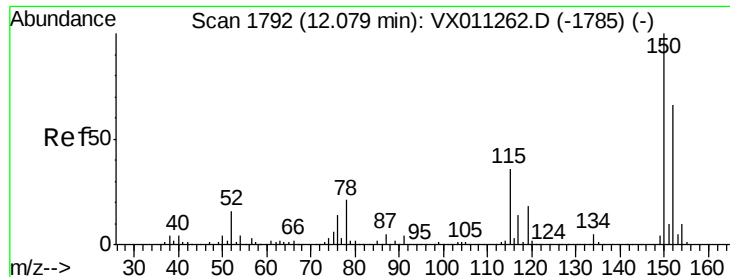
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011310.D
Acq: 02 Aug 2019 17:17

Tgt Ion: 117 Resp: 214853
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.2
119 33.1 26.6 39.8



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: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-DUP-20190801

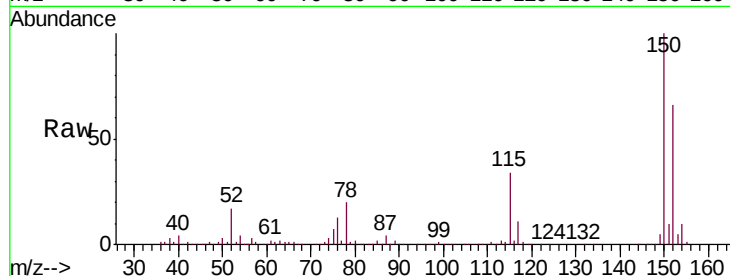
Tgt Ion:152 Resp: 101286

Ion Ratio Lower Upper

152 100

115 54.1 40.0 119.9

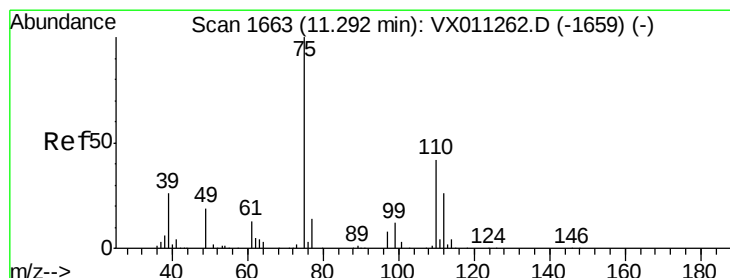
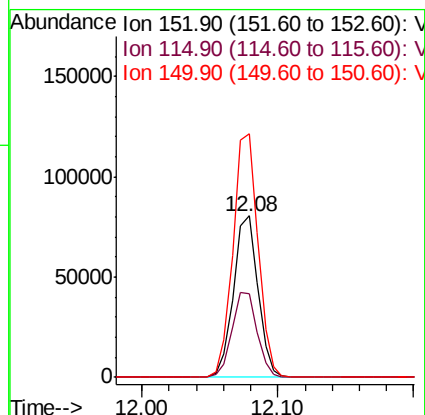
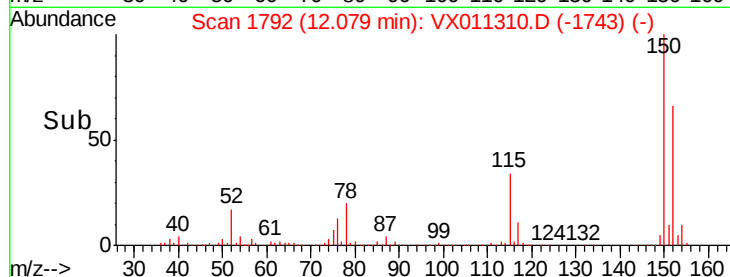
150 153.8 0.0 350.4



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: 25.102 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011310.D

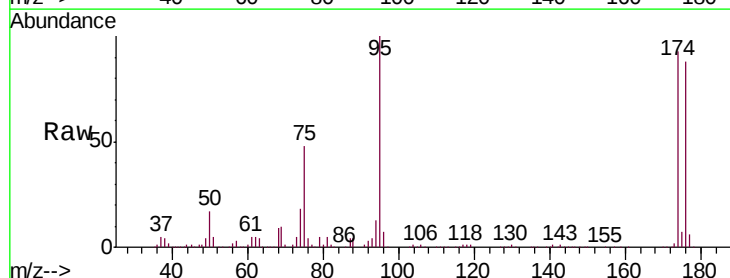
Acq: 02 Aug 2019 17:17

Tgt Ion: 75 Resp: 46302

Ion Ratio Lower Upper

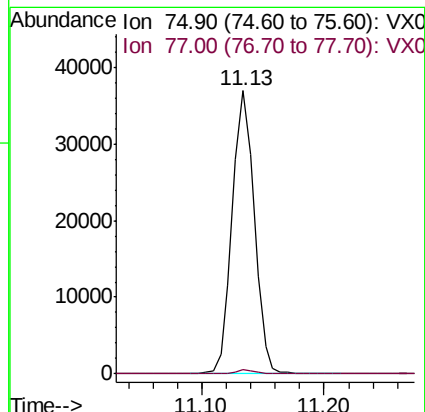
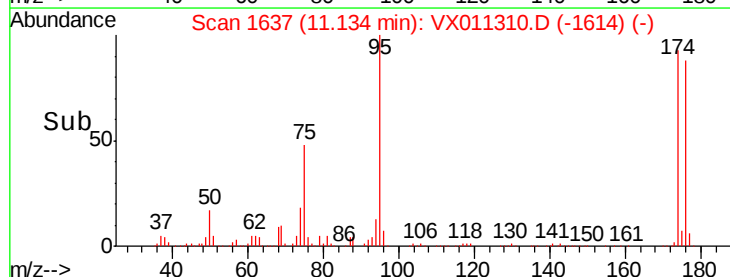
75 100

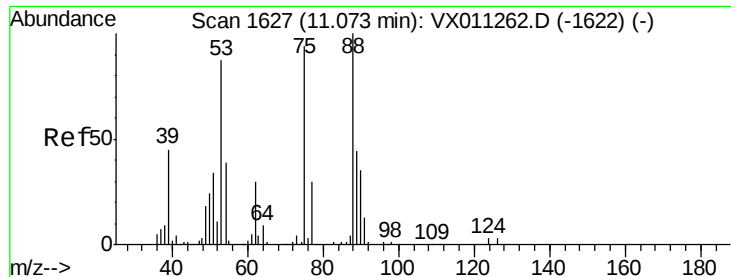
77 1.4 21.1 63.4#



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: 65.488 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011310.D
 Acq: 02 Aug 2019 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-DUP-20190801

Tgt Ion: 75 Resp: 46302
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.2 117.4#
 89 0.0 37.9 56.9#

