

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072519\
 Data File : VX011066.D
 Acq On : 25 Jul 2019 10:36
 Operator : JC/SP
 Sample : K3973-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-TB-20190722

Quant Time: Jul 26 01:23:11 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	206985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	326954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	137555	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	113292	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	5.49	113	103567	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.71	98	396968	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.13	95	137957	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

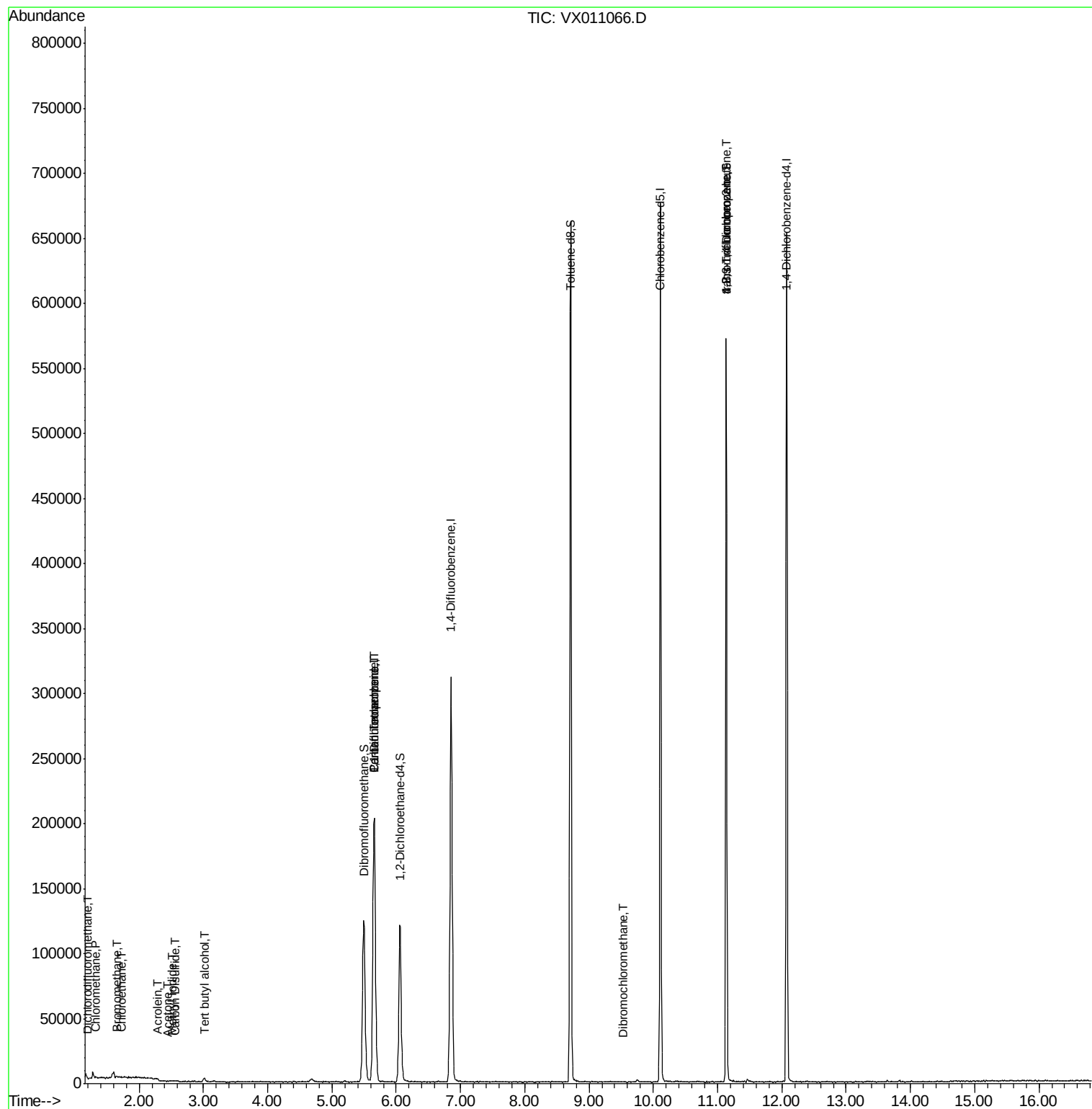
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	19	0.555	ug/l #	43
3) Chloromethane	1.32	50	670	0.352	ug/l #	65
5) Bromomethane	1.65	94	838	0.766	ug/l	100
6) Chloroethane	1.73	64	314	0.254	ug/l #	41
10) Methyl Iodide	2.51	142	698	0.283	ug/l #	90
11) Tert butyl alcohol	3.03	59	1642	3.202	ug/l #	78
13) Acrolein	2.29	56	200	0.675	ug/l	85
16) Acetone	2.44	43	309	0.311	ug/l #	75
17) Carbon Disulfide	2.57	76	947	0.200	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	13888	5.171	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19684	7.034	ug/l #	17
60) Dibromochloromethane	9.52	129	22	2.536	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	68750	27.697	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	68750	68.565	ug/l #	11

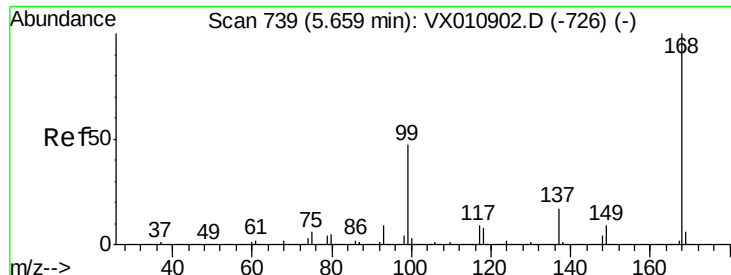
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

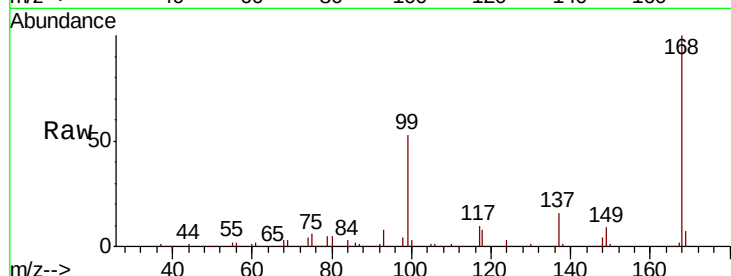
BP-VPB203-TB-20190722

Tot Ion:168 Resp: 206985

Ion Ratio Lower Upper

168 100

99 53.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

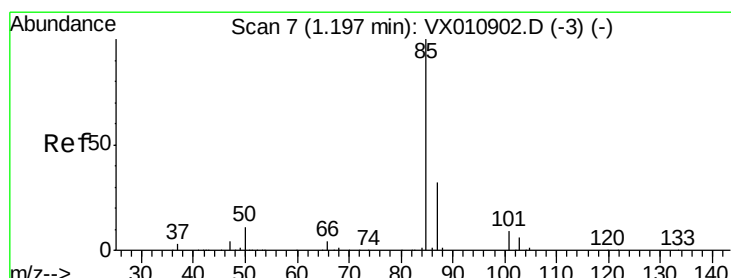
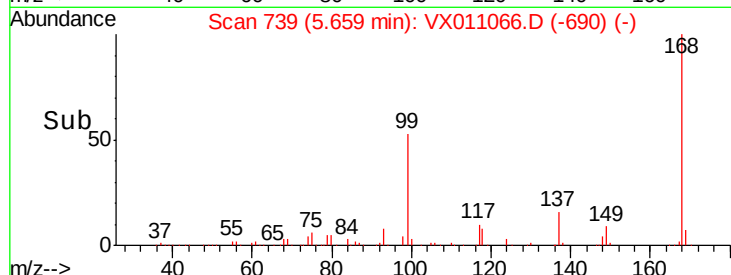
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.555 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011066.D

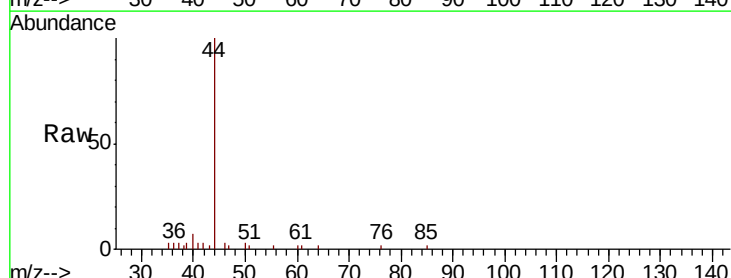
Acq: 25 Jul 2019 10:36

Tgt Ion: 85 Resp: 19

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

1.20

60

50

40

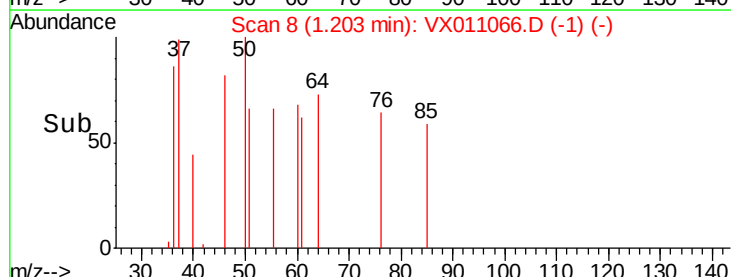
30

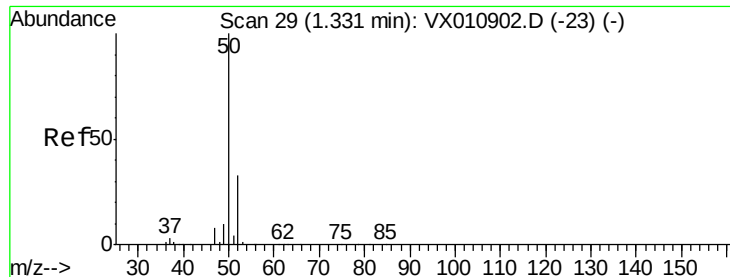
20

10

0

Time--> 1.19 1.20 1.21 1.22





#3

Chloromethane

Concen: 0.352 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

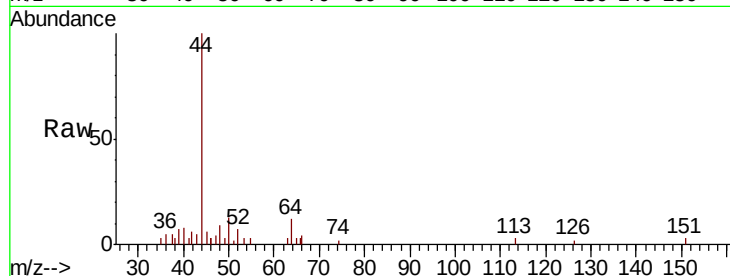
BP-VPB203-TB-20190722

Tot Ion: 50 Resp: 670

Ion Ratio Lower Upper

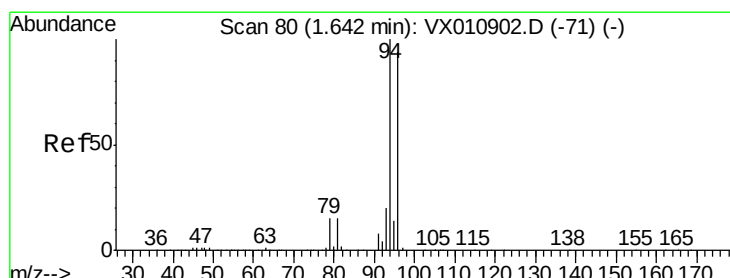
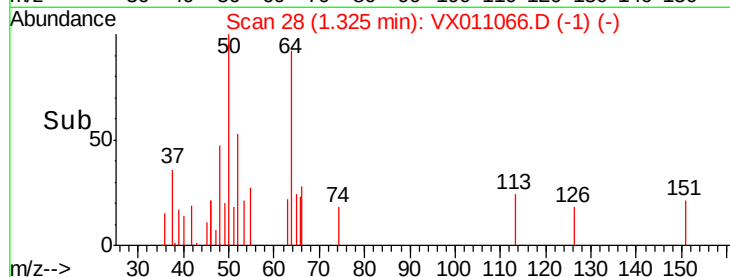
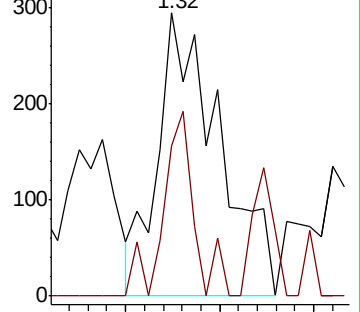
50 100

52 52.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.766 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011066.D

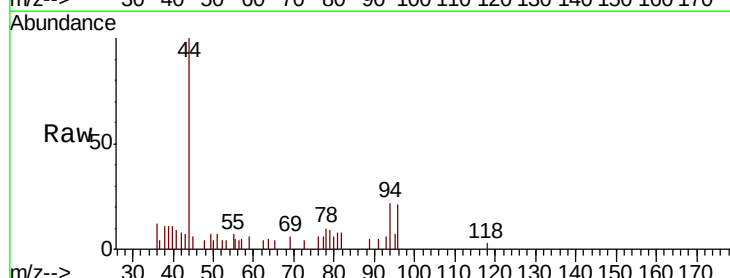
Acq: 25 Jul 2019 10:36

Tgt Ion: 94 Resp: 838

Ion Ratio Lower Upper

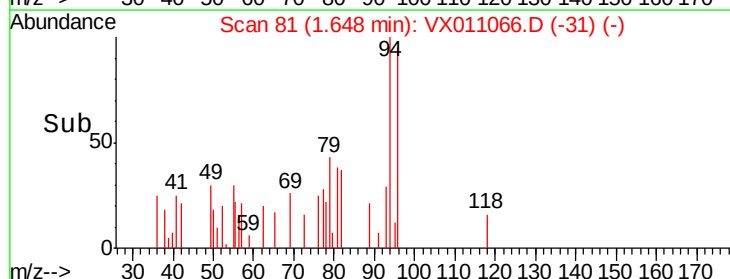
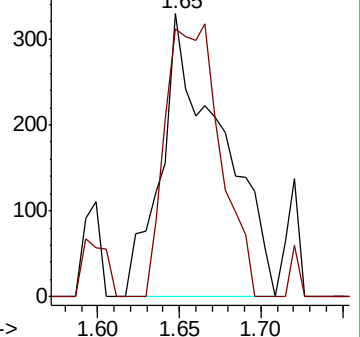
94 100

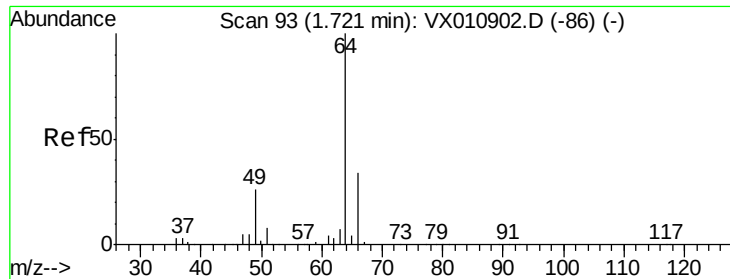
96 94.5 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.254 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

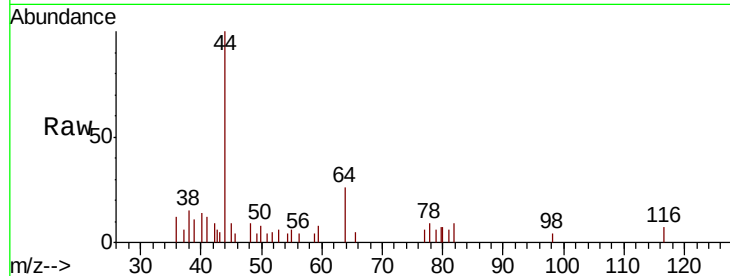
BP-VPB203-TB-20190722

Tot Ion: 64 Resp: 314

Ion Ratio Lower Upper

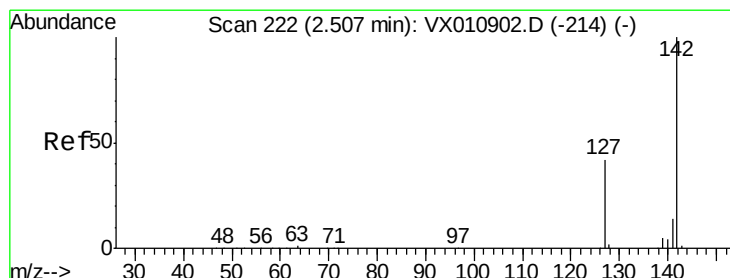
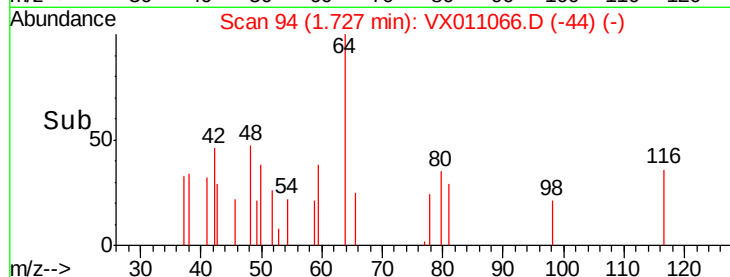
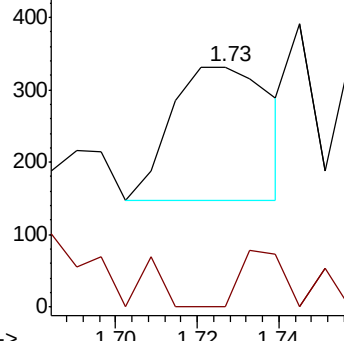
64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.283 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

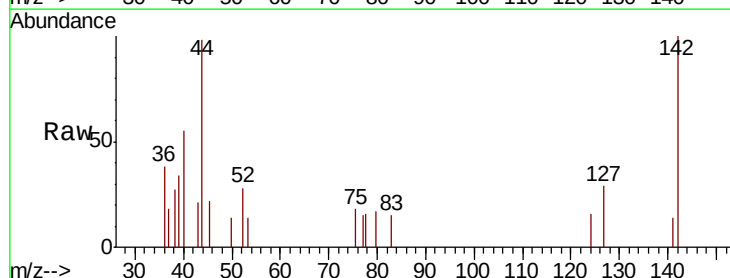
Tgt Ion: 142 Resp: 698

Ion Ratio Lower Upper

142 100

127 40.5 34.2 51.4

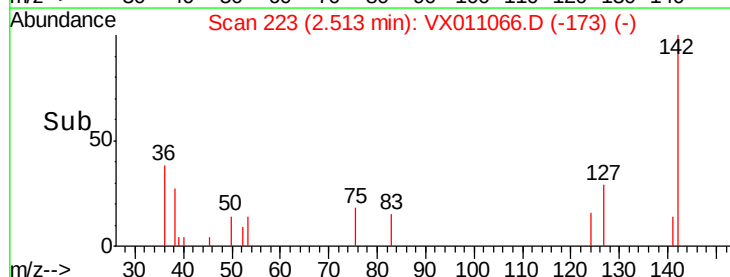
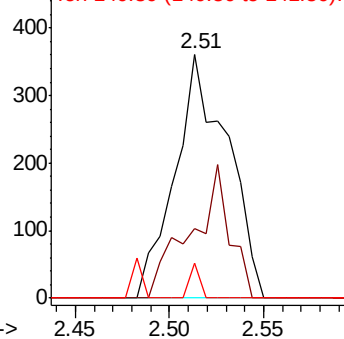
141 2.7 11.7 17.5#

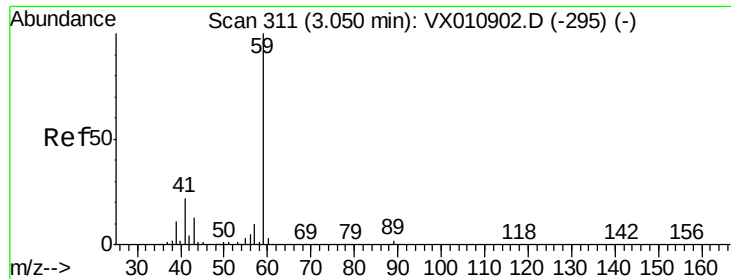


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 3.202 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

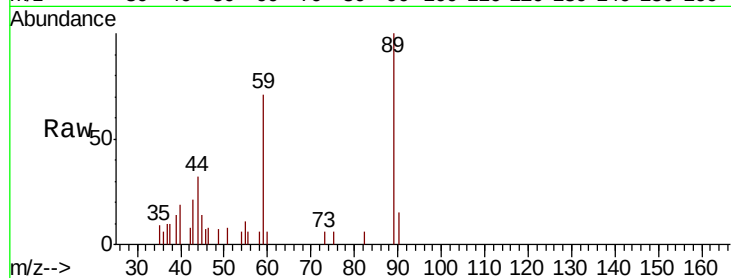
BP-VPB203-TB-20190722

Tot Ion: 59 Resp: 1642

Ion Ratio Lower Upper

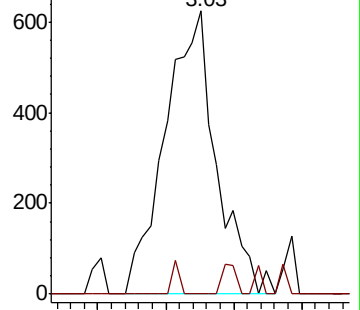
59 100

57 1.6 7.9 11.9#

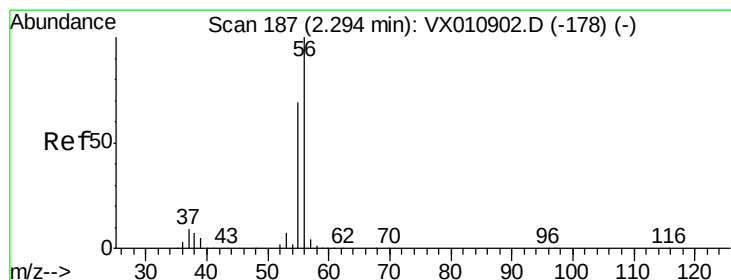
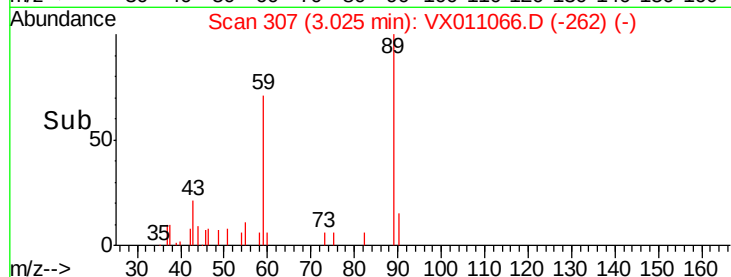


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#13

Acrolein

Concen: 0.675 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011066.D

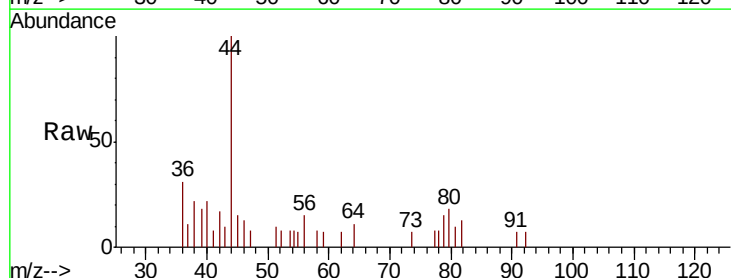
Acq: 25 Jul 2019 10:36

Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

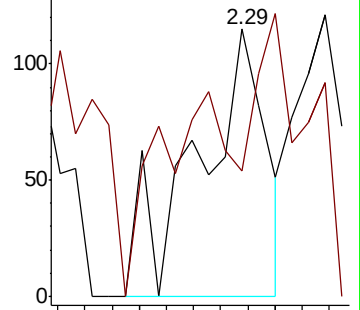
56 100

55 82.5 55.9 83.9

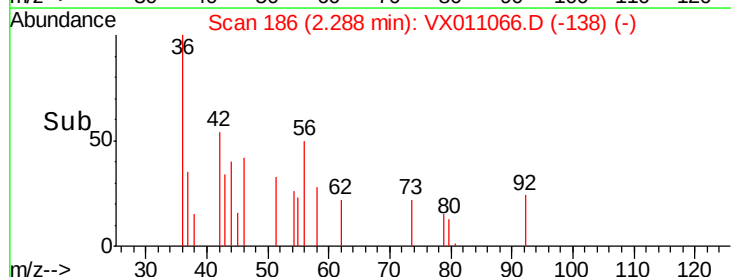


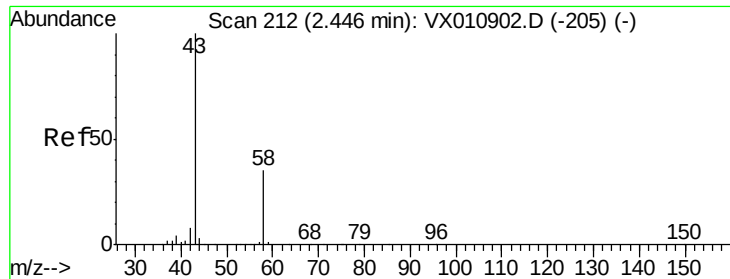
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 0.311 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

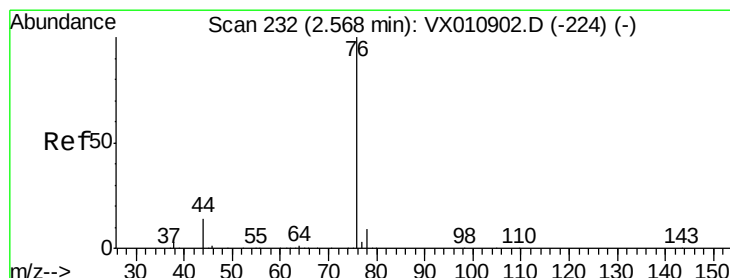
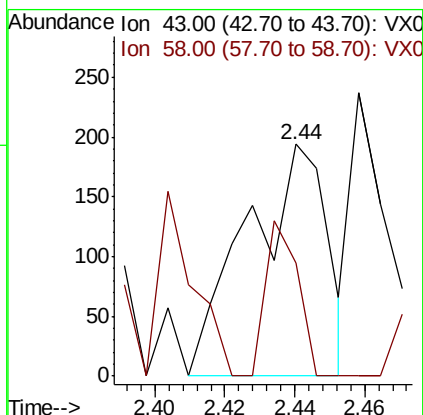
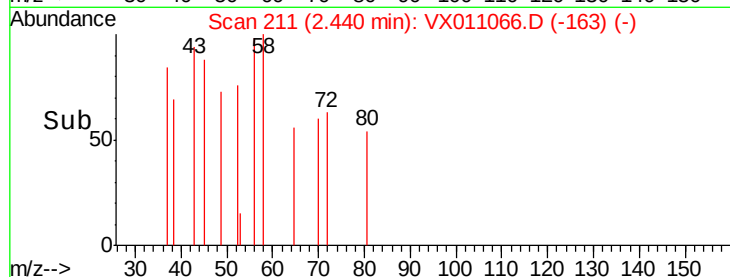
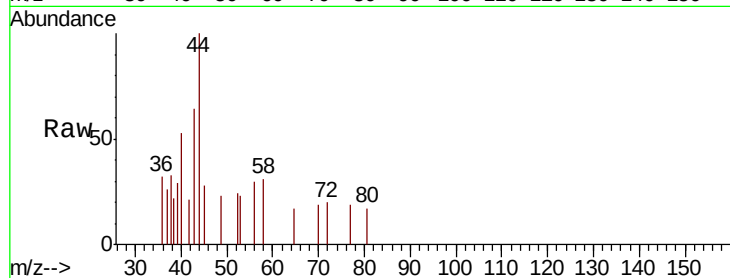
BP-VPB203-TB-20190722

Tot Ion: 43 Resp: 309

Ion Ratio Lower Upper

43 100

58 49.0 27.7 41.5#



#17

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011066.D

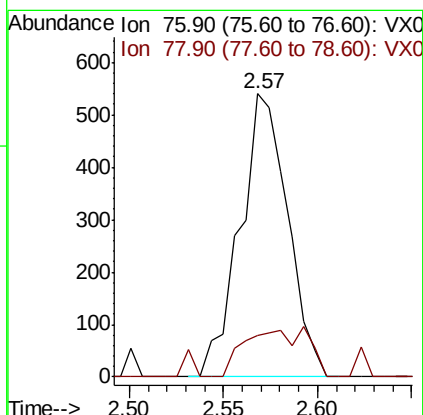
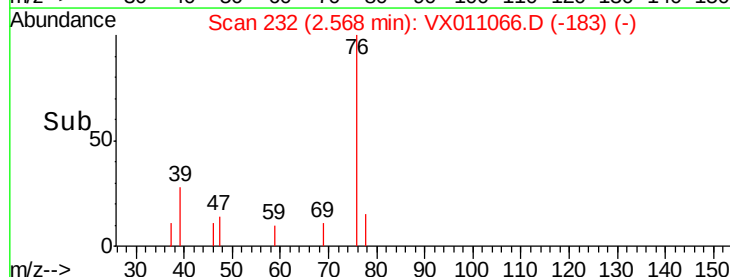
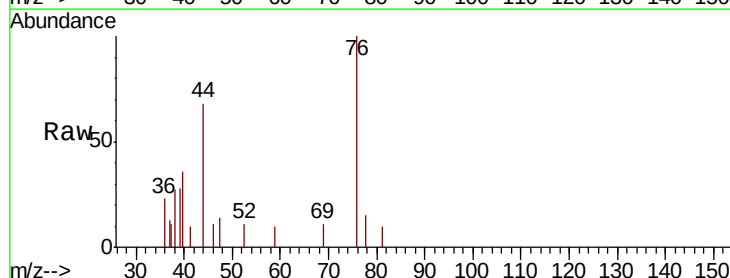
Acq: 25 Jul 2019 10:36

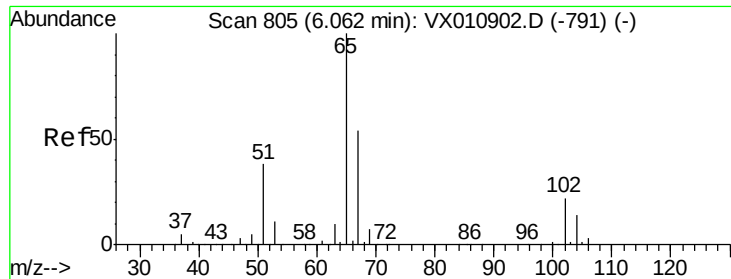
Tgt Ion: 76 Resp: 947

Ion Ratio Lower Upper

76 100

78 14.6 7.4 11.0#

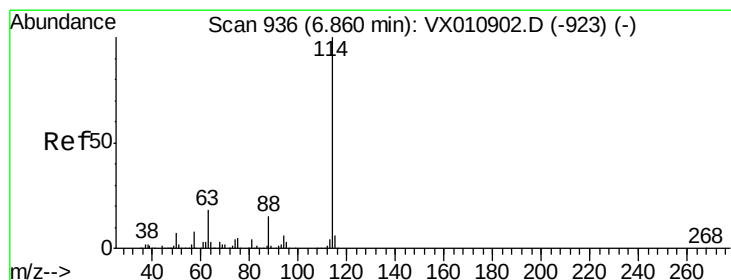
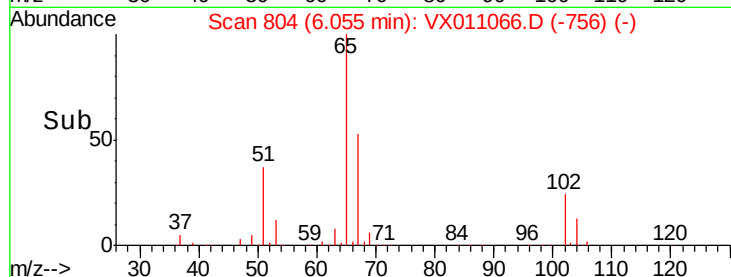
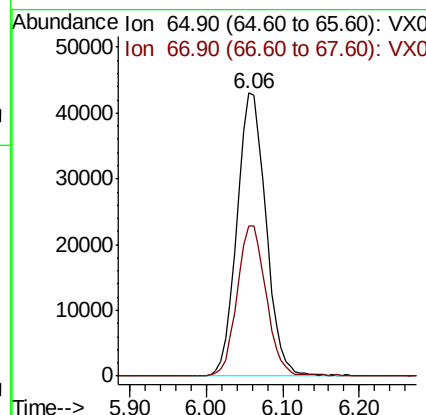
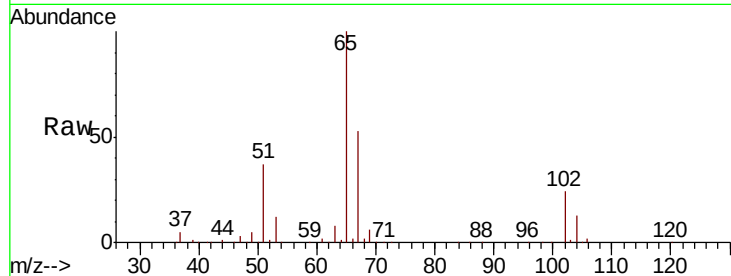




#33
 1,2-Dichloroethane-d4
 Concen: 51.449 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011066.D
 Acq: 25 Jul 2019 10:36

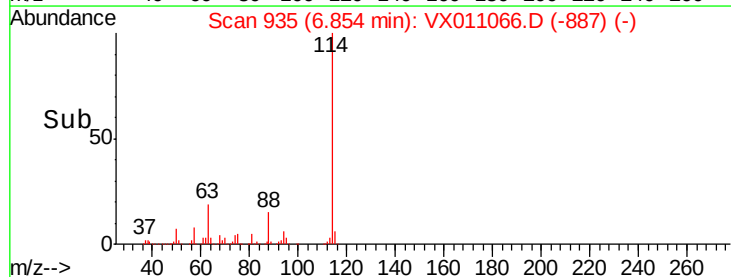
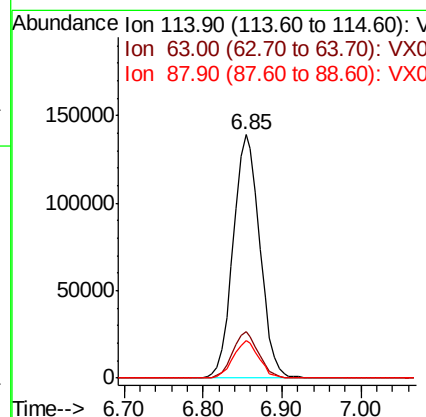
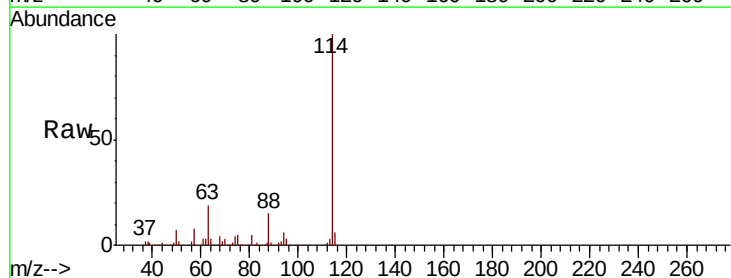
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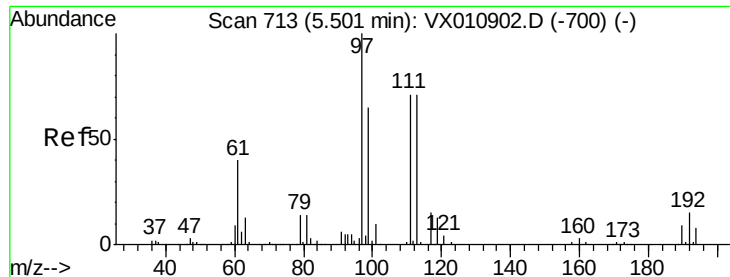
Tot Ion: 65 Resp: 113292
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011066.D
 Acq: 25 Jul 2019 10:36

Tgt Ion: 114 Resp: 326954
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.6
 88 15.3 0.0 29.8

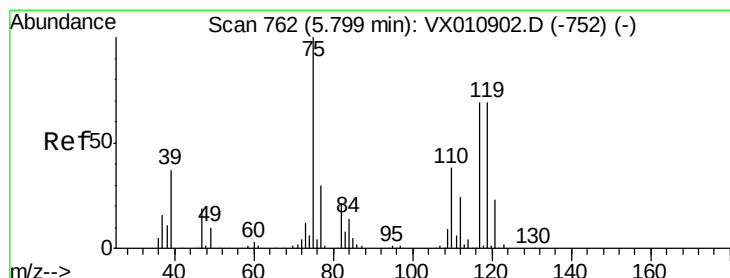
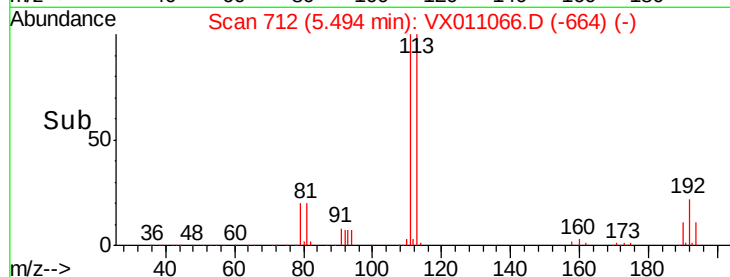
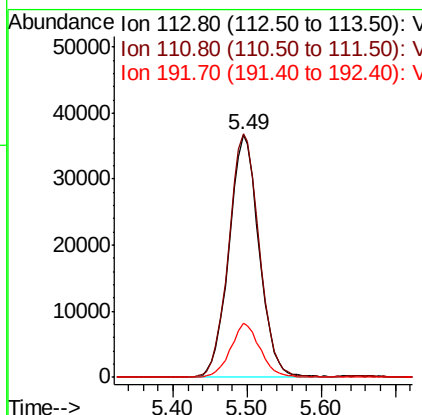
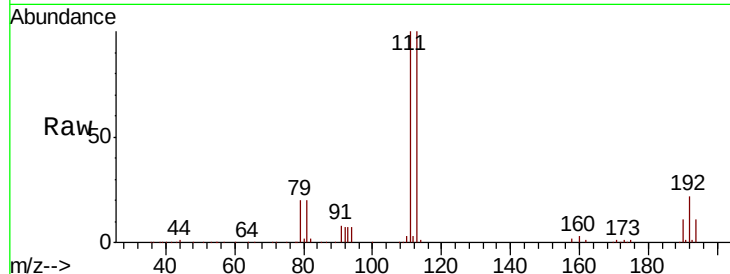




#35
 Dibromofluoromethane
 Concen: 49.906 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX011066.D
 Acq: 25 Jul 2019 10:36

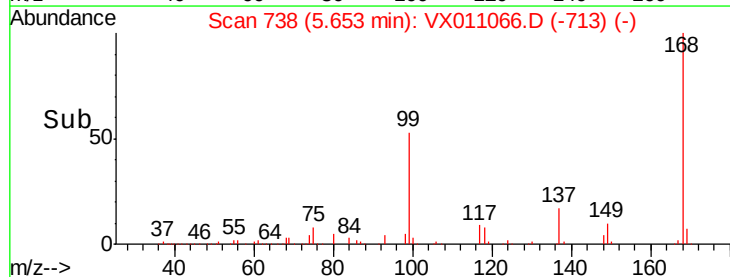
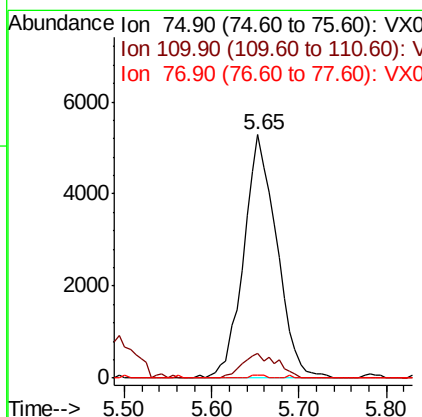
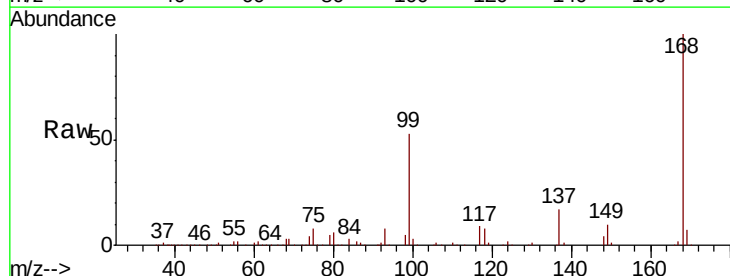
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-TB-20190722

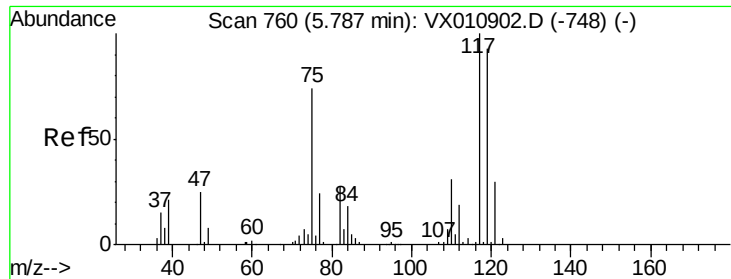
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	21.8	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 5.171 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011066.D
 Acq: 25 Jul 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.9	59.7#
77	0.5	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.034 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-TB-20190722

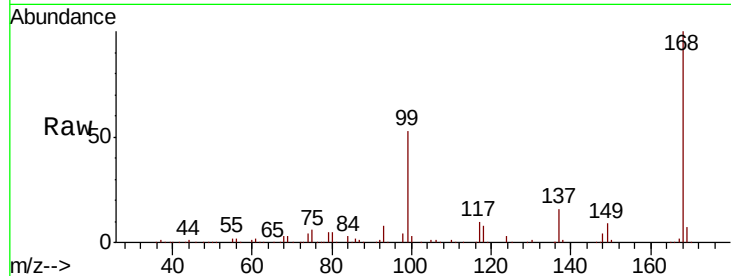
Tot Ion:117 Resp: 19684

Ion Ratio Lower Upper

117 100

119 4.1 74.2 111.2#

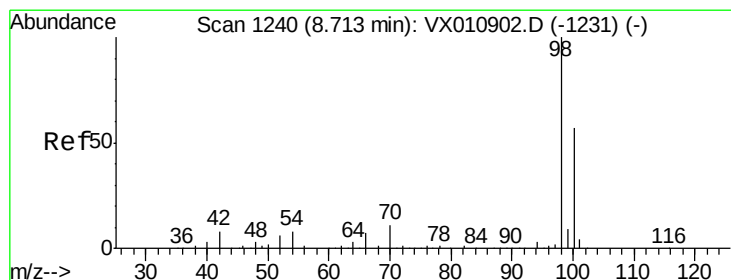
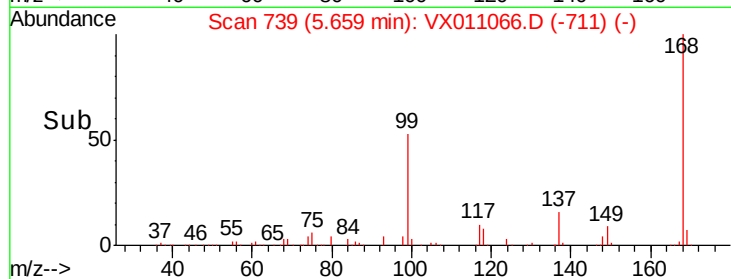
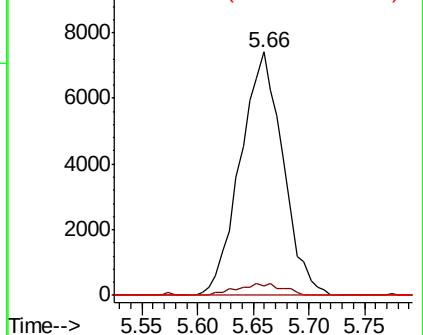
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 51.001 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011066.D

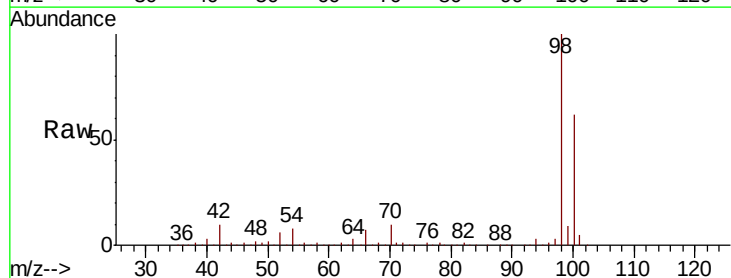
Acq: 25 Jul 2019 10:36

Tgt Ion: 98 Resp: 396968

Ion Ratio Lower Upper

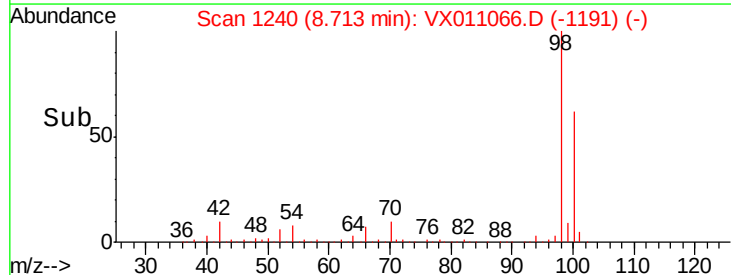
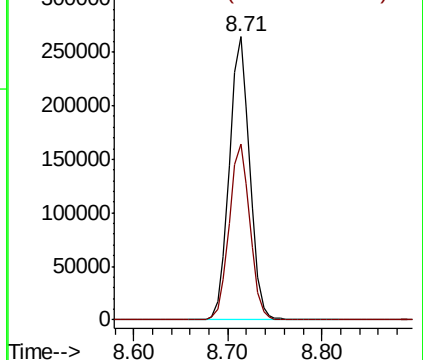
98 100

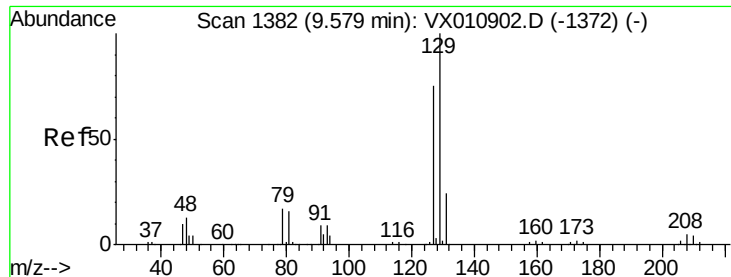
100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.52 min Scan# 1373

Delta R.T. -0.05 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

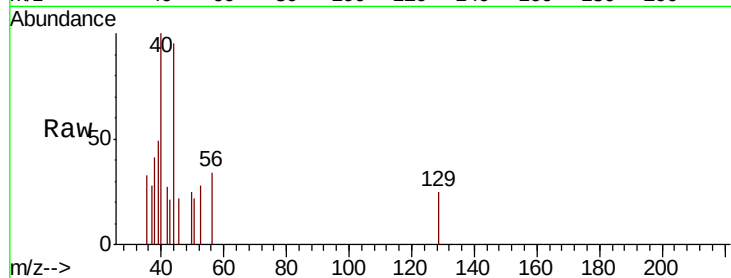
BP-VPB203-TB-20190722

Tot Ion:129 Resp: 22

Ion Ratio Lower Upper

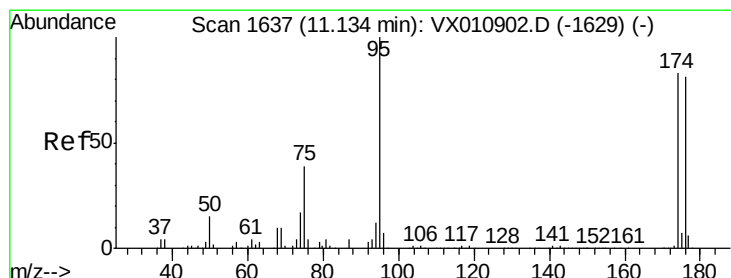
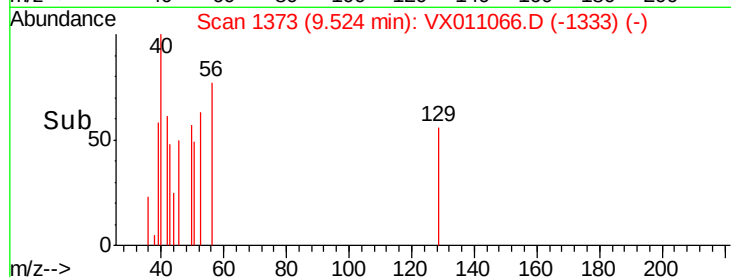
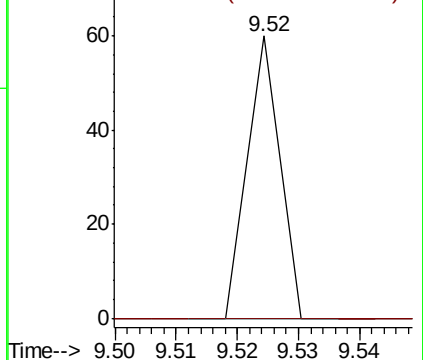
129 100

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: 48.220 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011066.D

Acq: 25 Jul 2019 10:36

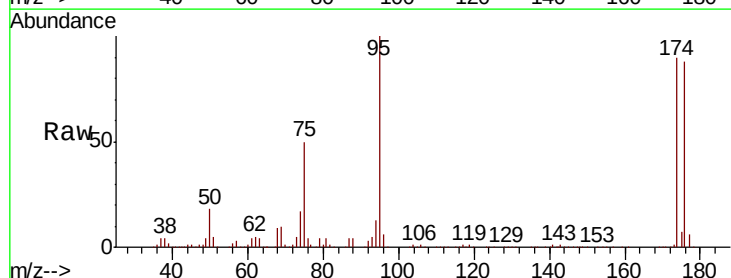
Tgt Ion: 95 Resp: 137957

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.6

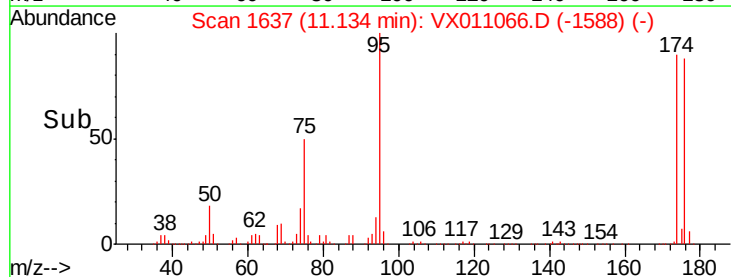
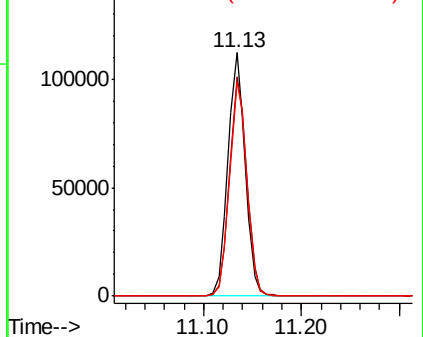
176 88.4 0.0 173.8

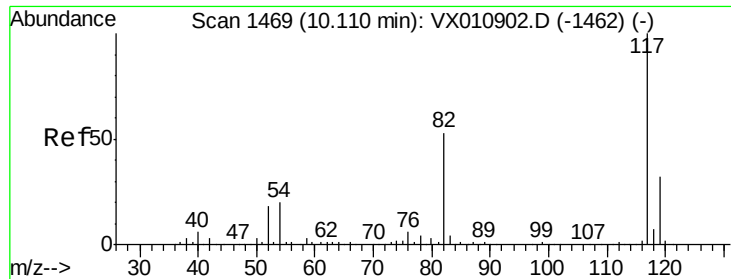


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

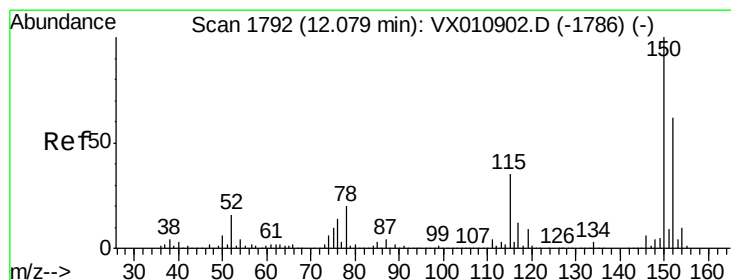
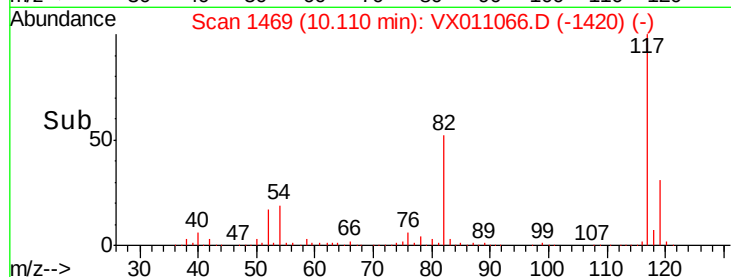
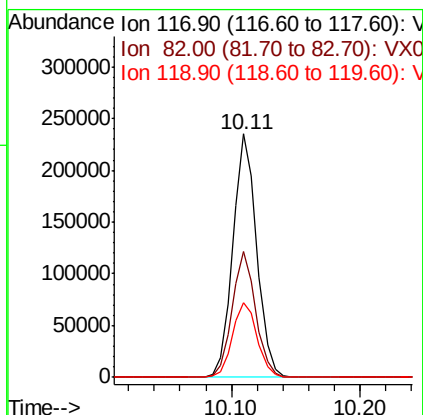
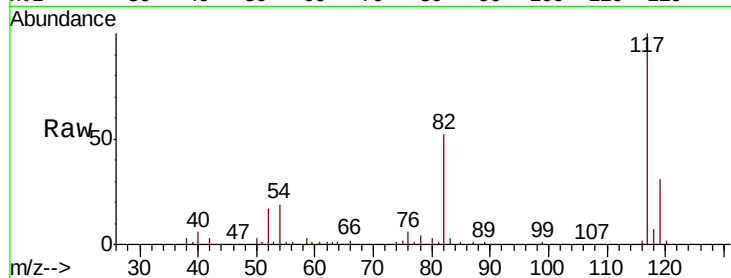




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011066.D
Acq: 25 Jul 2019 10:36

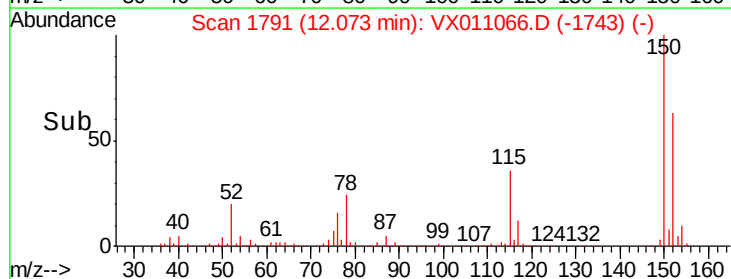
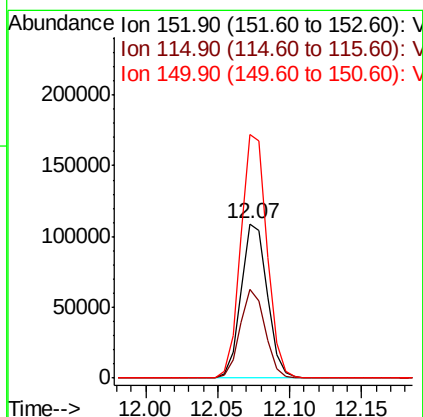
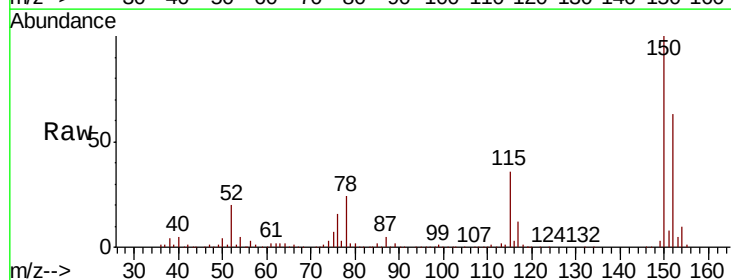
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-TB-20190722

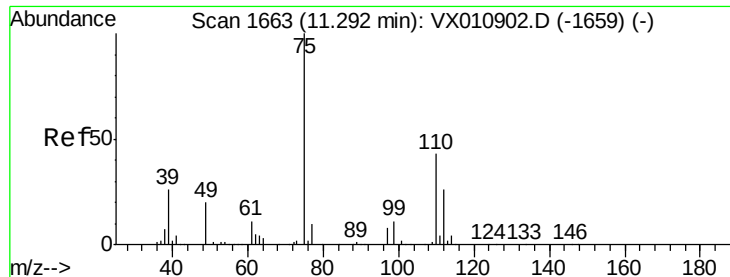
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.6	63.8
119	30.7	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011066.D
Acq: 25 Jul 2019 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.7	119.1
150	158.1	0.0	345.6

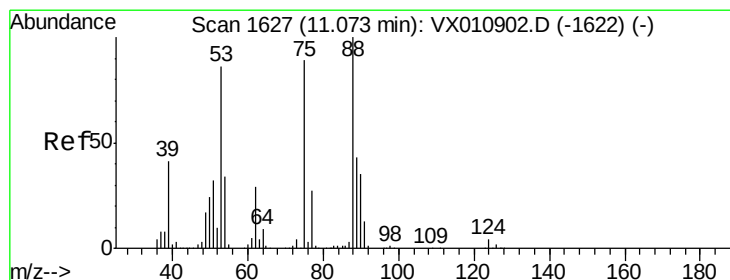
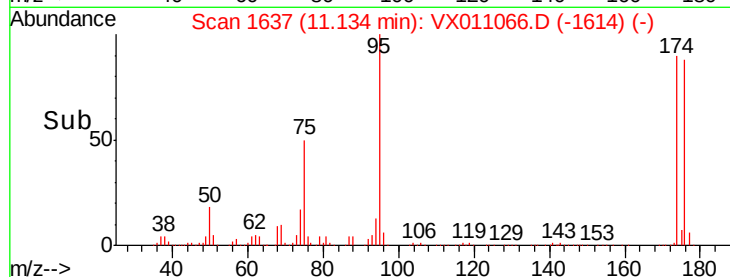
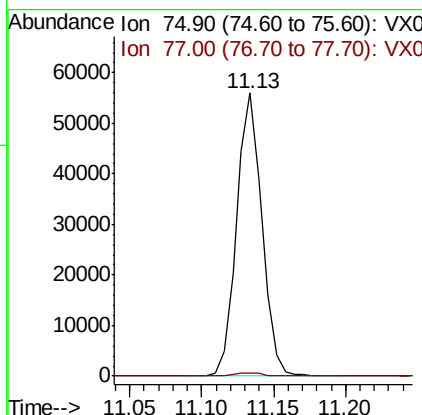
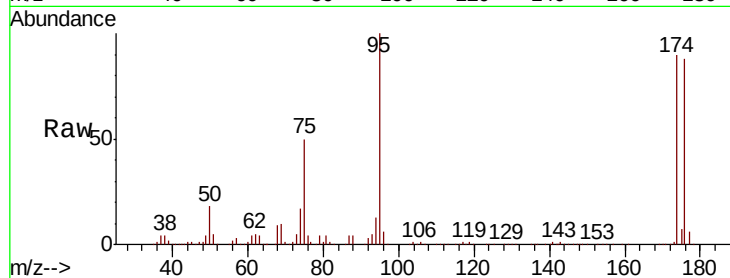




#76
 1,2,3-Trichloropropane
 Concen: 27.697 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011066.D
 Acq: 25 Jul 2019 10:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-TB-20190722

Tot Ion: 75 Resp: 68750
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.565 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011066.D
 Acq: 25 Jul 2019 10:36

Tgt Ion: 75 Resp: 68750
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.7 115.1#
 89 0.0 38.5 57.7#

