

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031319\
 Data File : VX008042.D
 Acq On : 13 Mar 2019 12:12
 Operator : JC/SP
 Sample : K1840-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-685-687

Quant Time: Mar 13 12:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	133790	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	5.50	113	126117	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.71	98	474818	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.13	95	179268	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	

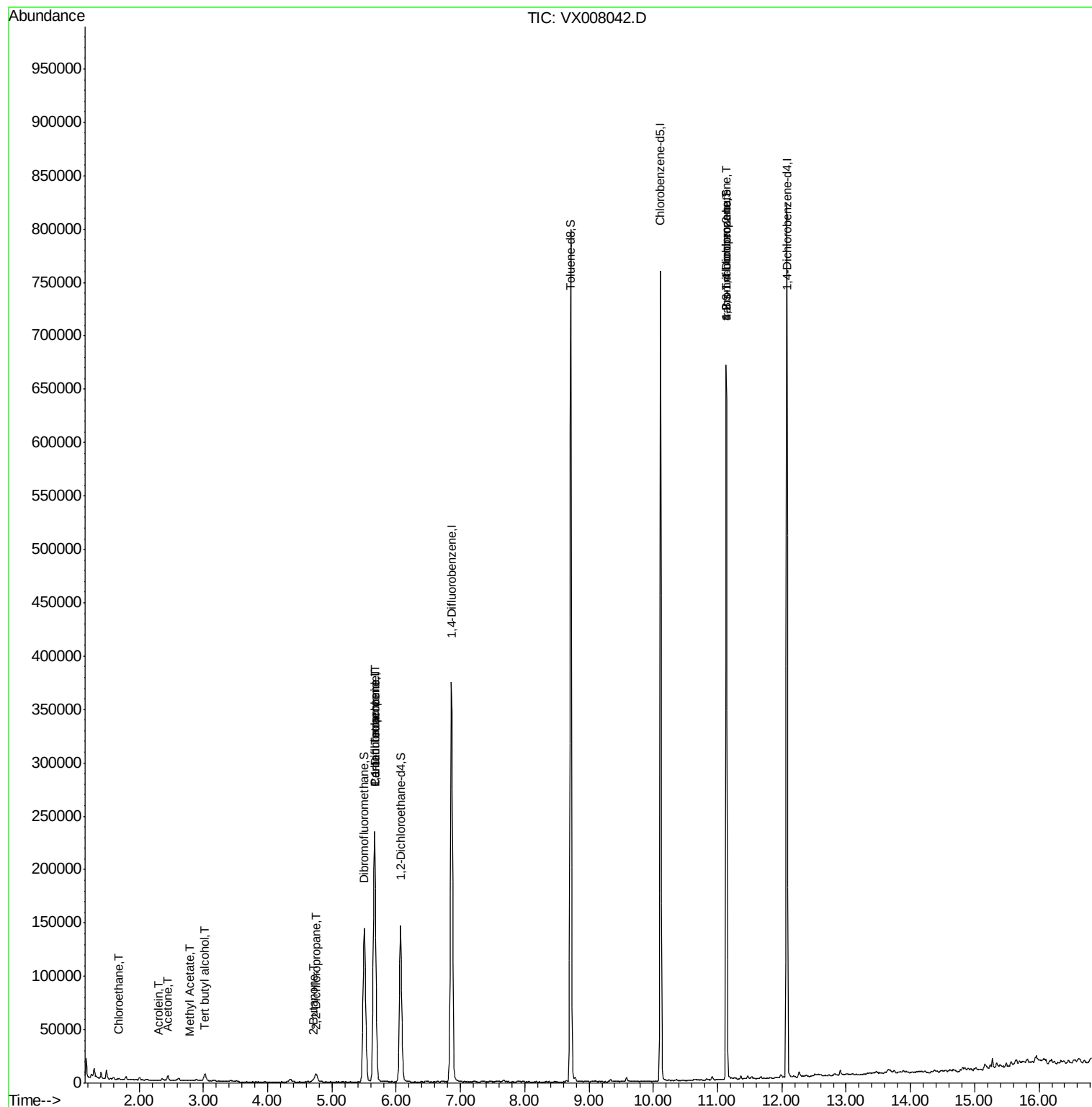
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	332	Below Cal	#	72
6) Chloroethane	1.70	64	1750	0.958	ug/l #	43
11) Tert butyl alcohol	3.03	59	4031	6.797	ug/l #	73
13) Acrolein	2.30	56	88	1.802	ug/l #	1
16) Acetone	2.45	43	5094	3.319	ug/l #	87
17) Carbon Disulfide	2.57	76	894	Below Cal	#	75
18) Methyl Acetate	2.79	43	664	0.204	ug/l #	61
25) 2-Butanone	4.70	43	2560	1.178	ug/l #	90
26) 2,2-Dichloropropane	4.75	77	719	0.245	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	15315	4.293	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21037	6.212	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	81387	20.980	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	81387	67.064	ug/l #	12

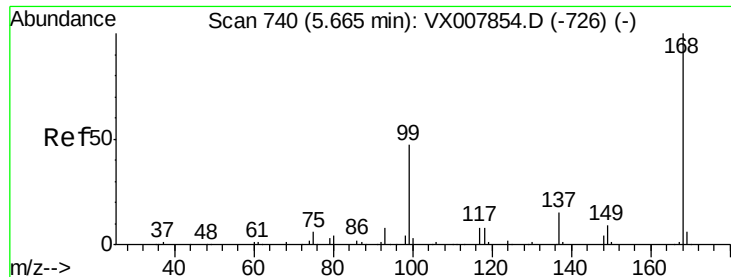
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

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MSVOA_X

ClientSampleId :

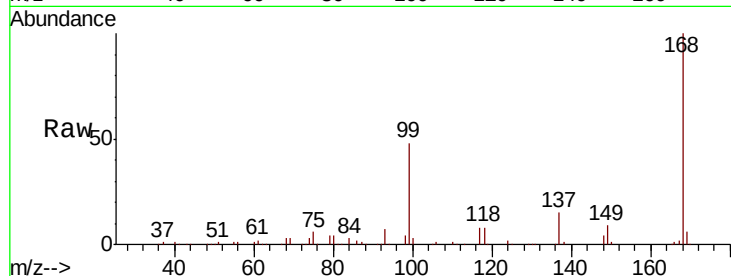
BP-VPB201-GW-685-687

Tgt Ion:168 Resp: 251397

Ion Ratio Lower Upper

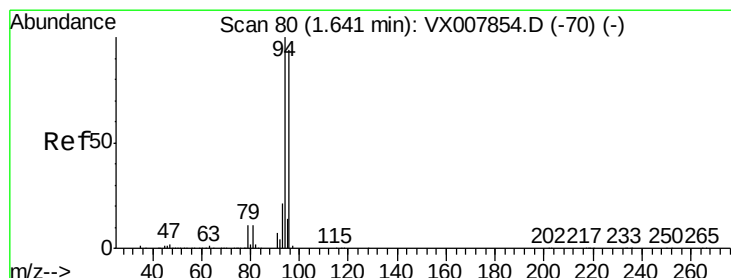
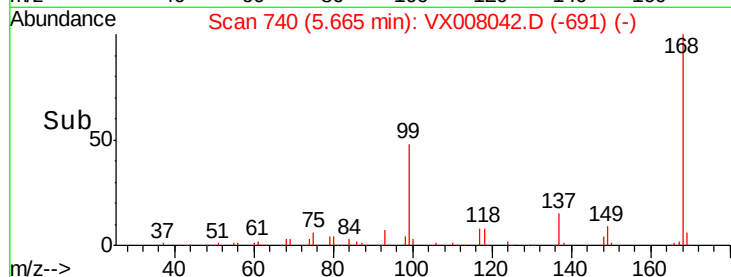
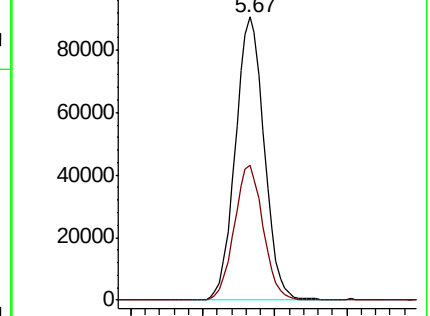
168 100

99 47.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008042.D

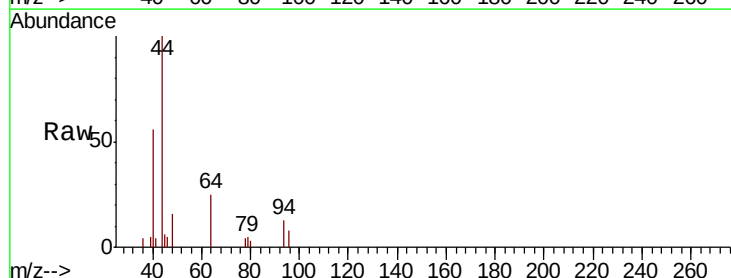
Acq: 13 Mar 2019 12:12

Tgt Ion: 94 Resp: 332

Ion Ratio Lower Upper

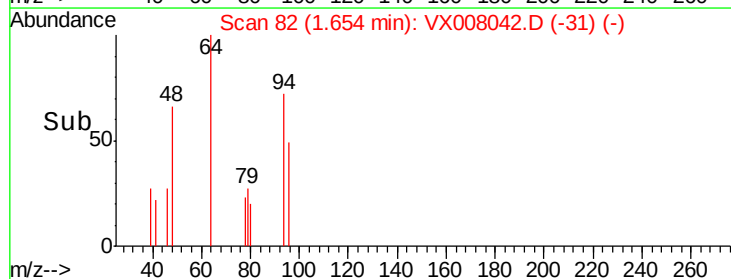
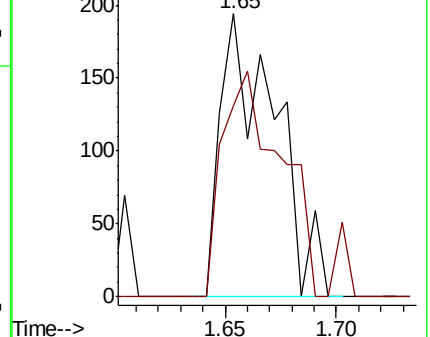
94 100

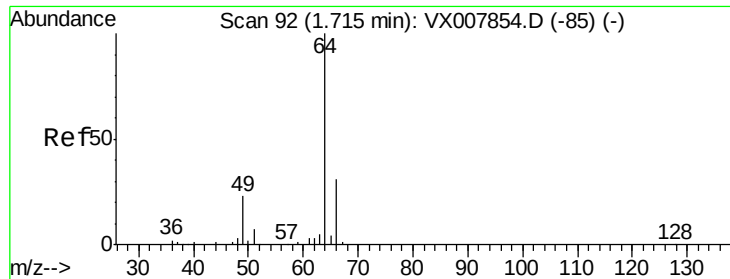
96 67.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.958 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

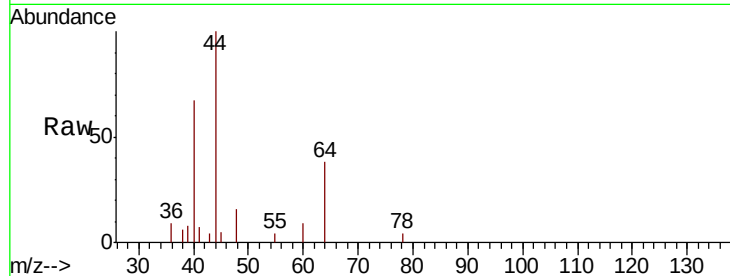
BP-VPB201-GW-685-687

Tgt Ion: 64 Resp: 1750

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

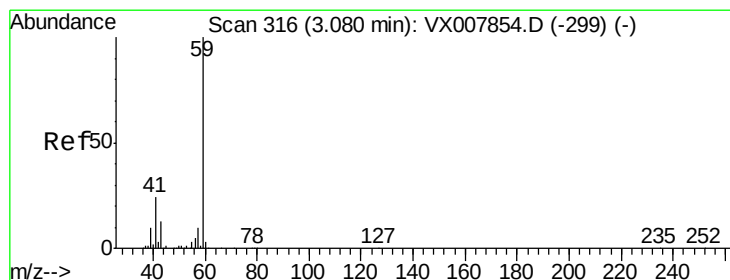
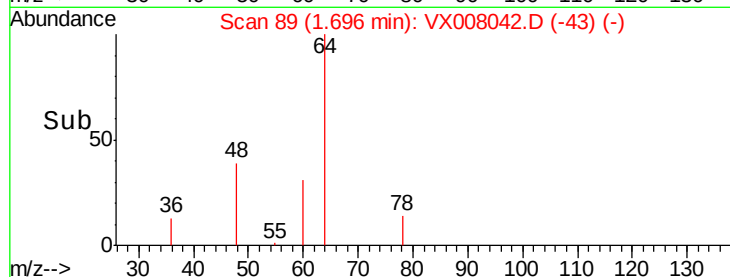
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 6.797 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX008042.D

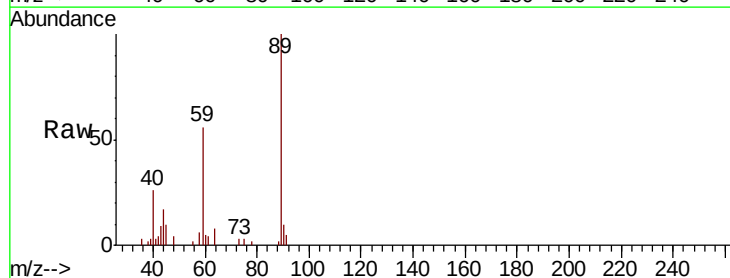
Acq: 13 Mar 2019 12:12

Tgt Ion: 59 Resp: 4031

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2000

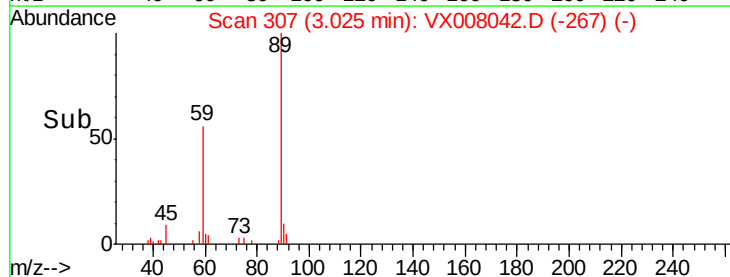
1500

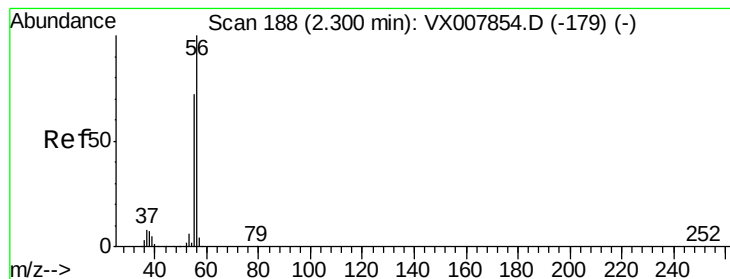
1000

500

0

Time-->





#13

Acrolein

Concen: 1.802 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

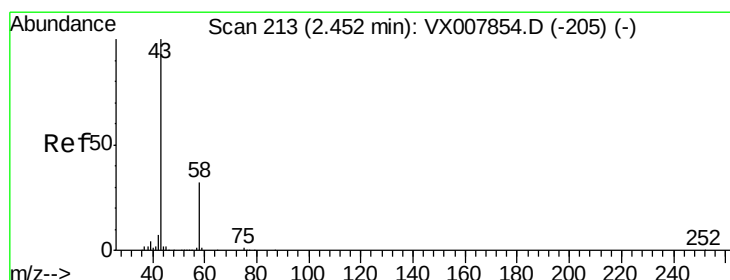
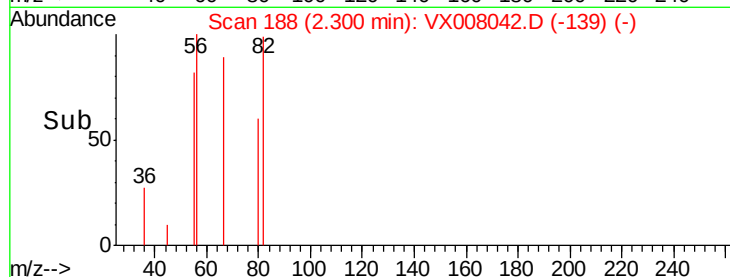
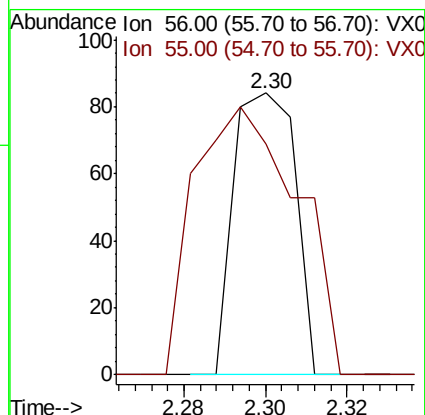
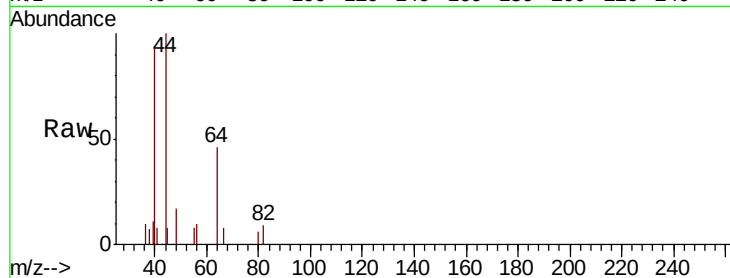
BP-VPB201-GW-685-687

Tgt Ion: 56 Resp: 88

Ion Ratio Lower Upper

56 100

55 160.2 57.8 86.6#



#16

Acetone

Concen: 3.319 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008042.D

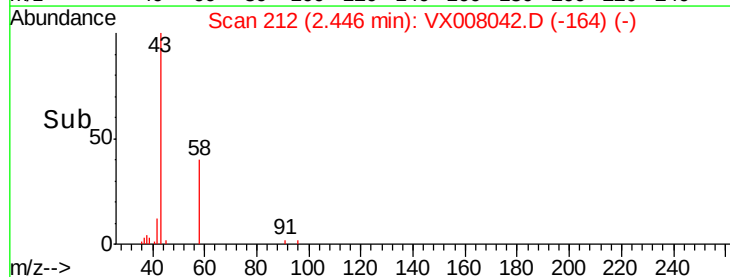
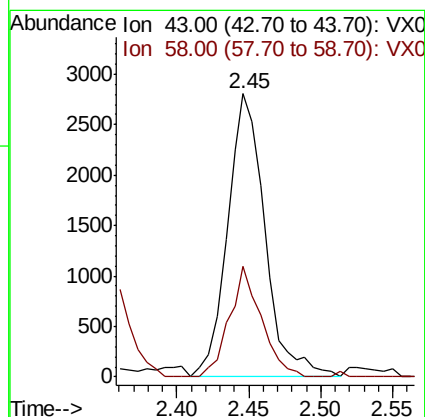
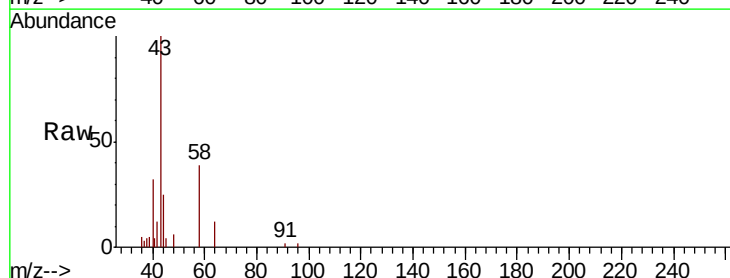
Acq: 13 Mar 2019 12:12

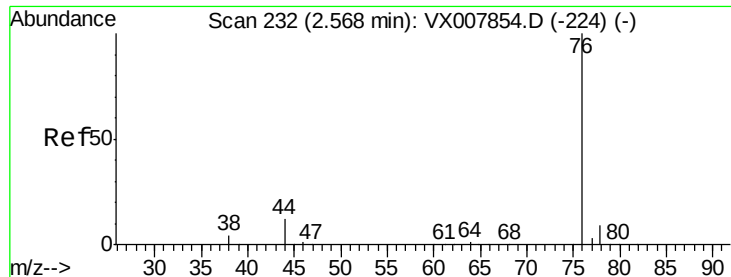
Tgt Ion: 43 Resp: 5094

Ion Ratio Lower Upper

43 100

58 38.9 25.5 38.3#

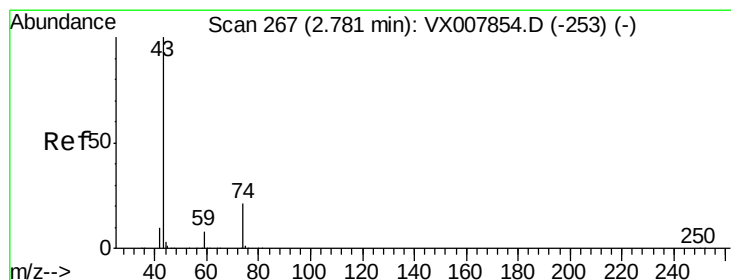
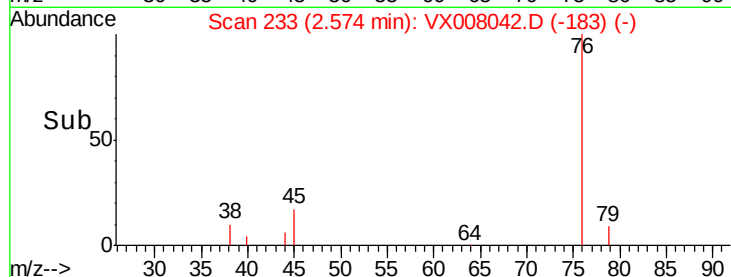
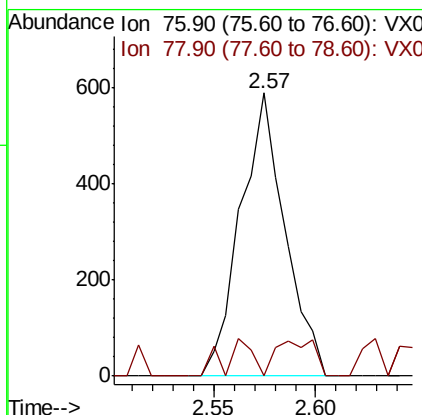
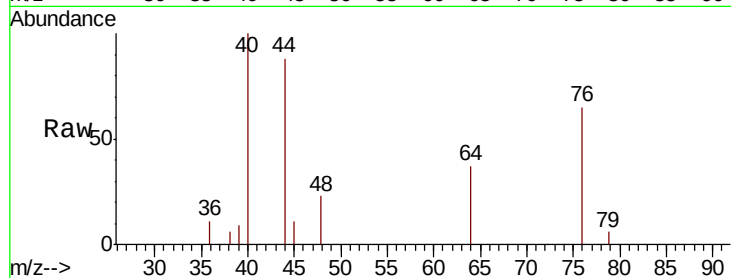




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008042.D
Acq: 13 Mar 2019 12:12

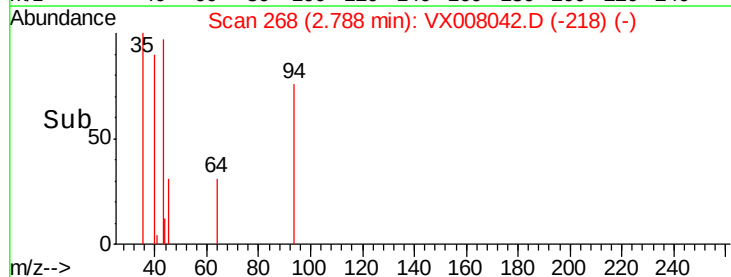
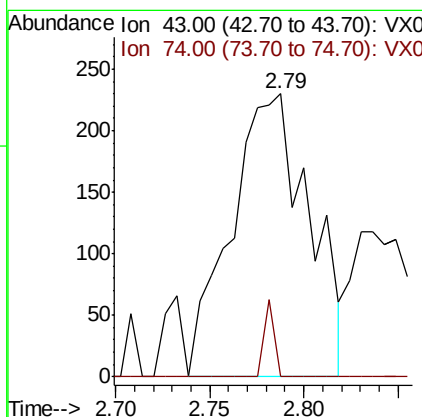
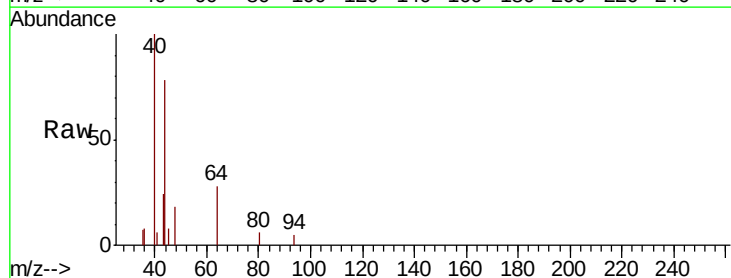
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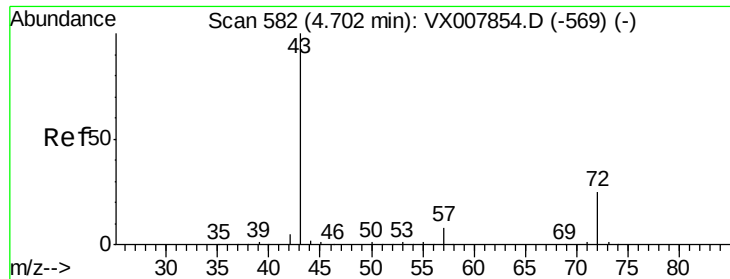
Tgt Ion: 76 Resp: 894
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX008042.D
Acq: 13 Mar 2019 12:12

Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
74 3.5 17.8 26.6#

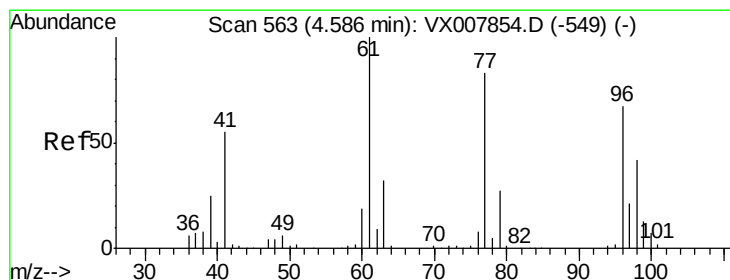
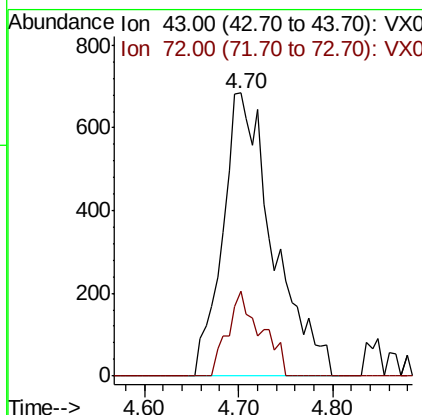
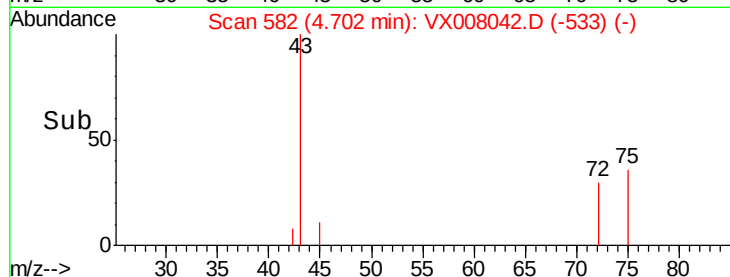
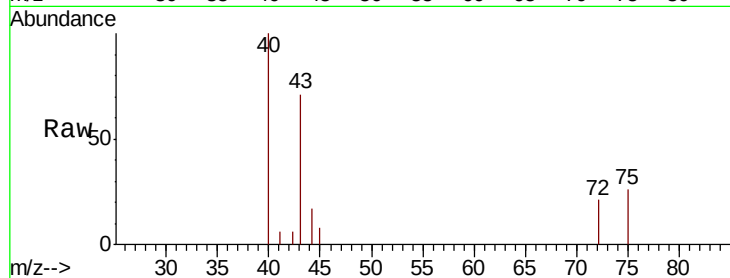




#25
2-Butanone
Concen: 1.178 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX008042.D
Acq: 13 Mar 2019 12:12

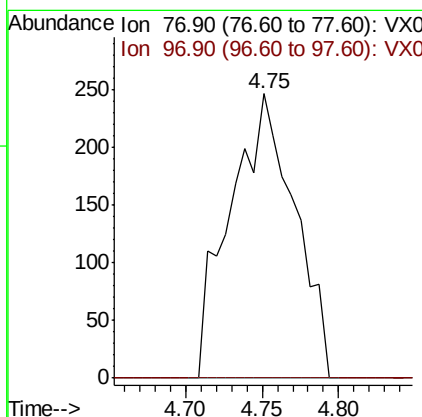
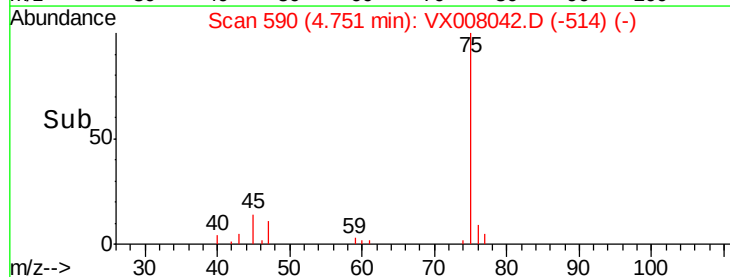
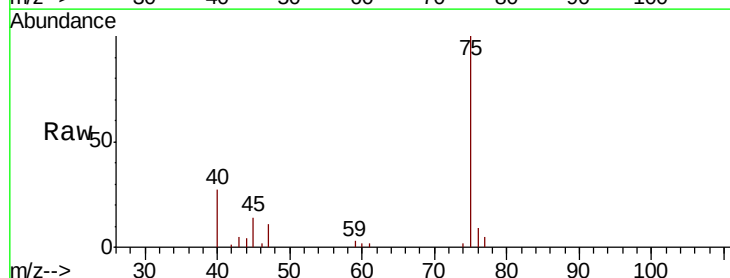
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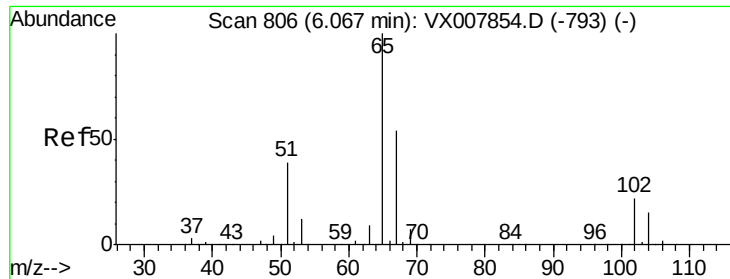
Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
72 30.0 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 0.245 ug/l
RT: 4.75 min Scan# 590
Delta R.T. 0.16 min
Lab File: VX008042.D
Acq: 13 Mar 2019 12:12

Tgt Ion: 77 Resp: 719
Ion Ratio Lower Upper
77 100
97 0.0 12.2 36.6#

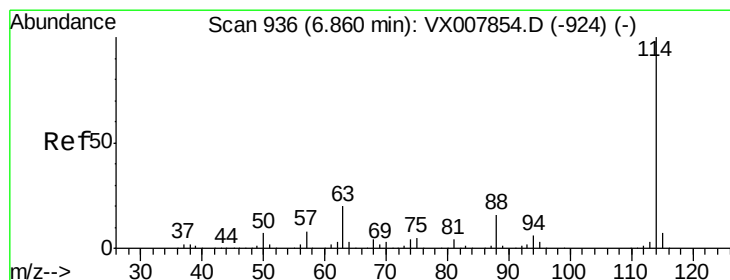
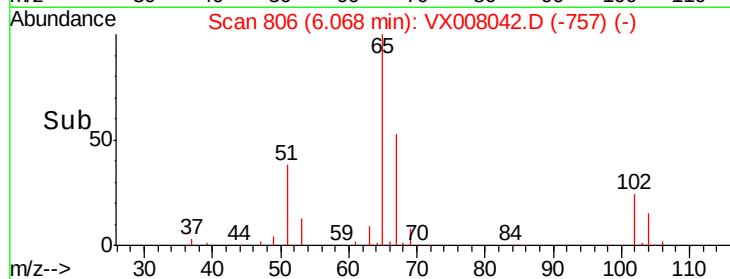
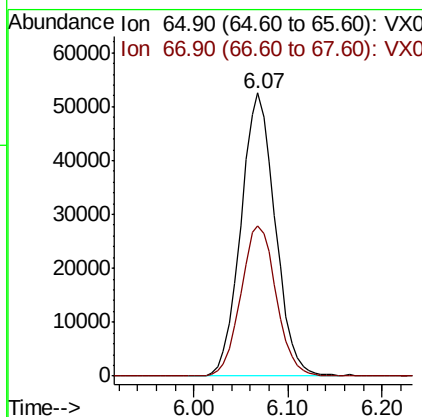
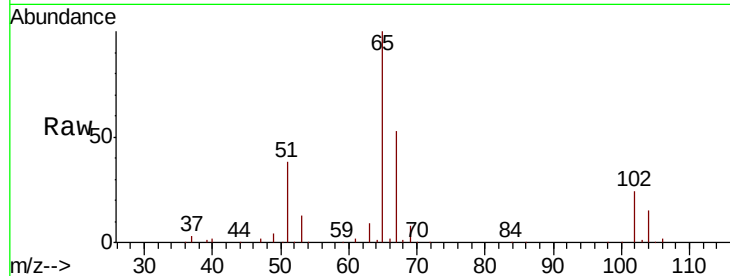




#33
 1,2-Dichloroethane-d4
 Concen: 50.449 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008042.D
 Acq: 13 Mar 2019 12:12

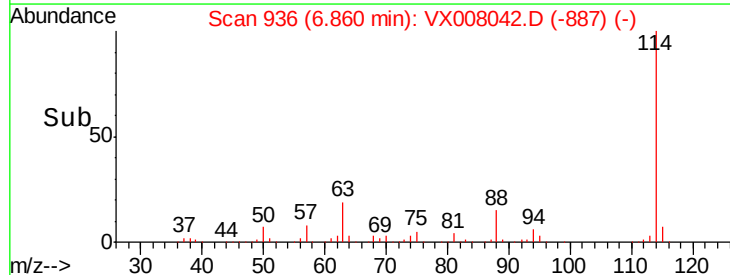
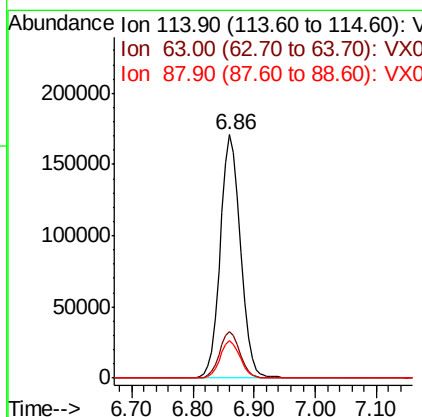
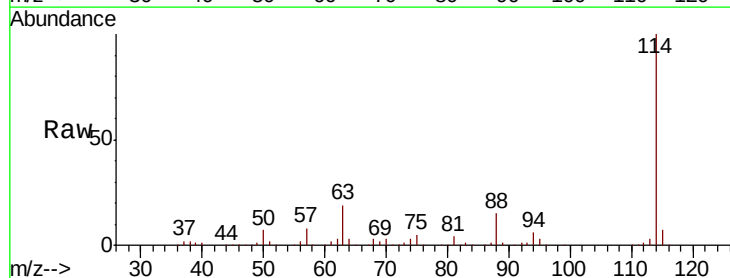
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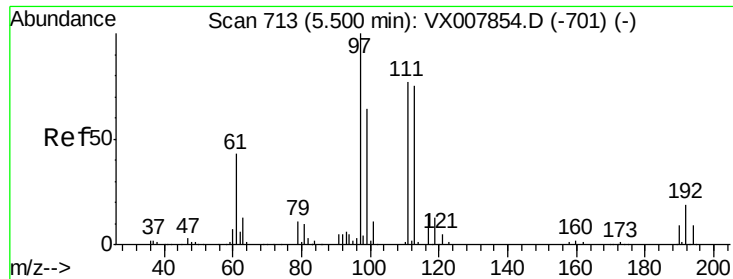
Tgt Ion: 65 Resp: 133790
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008042.D
 Acq: 13 Mar 2019 12:12

Tgt Ion: 114 Resp: 393979
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.4 0.0 31.4

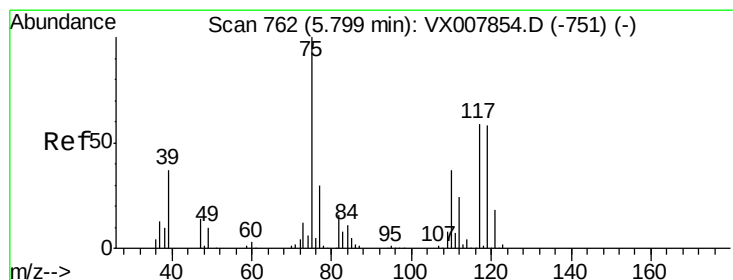
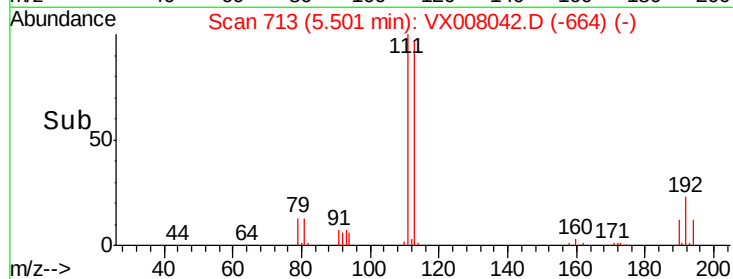
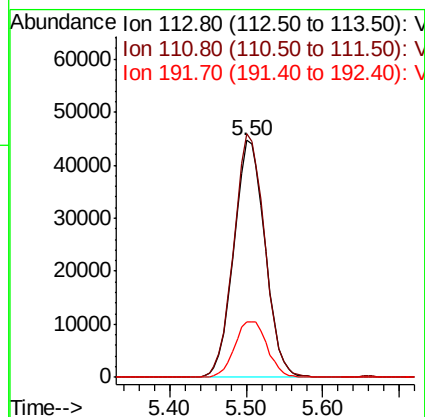
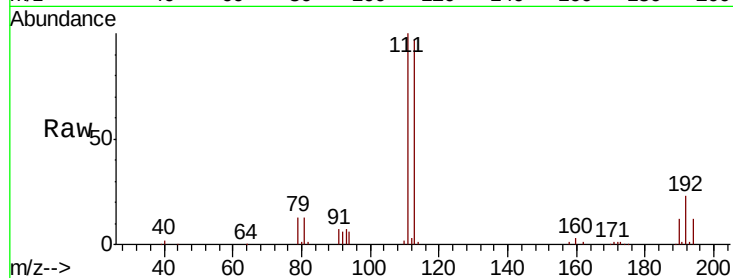




#35
 Dibromofluoromethane
 Concen: 50.043 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008042.D
 Acq: 13 Mar 2019 12:12

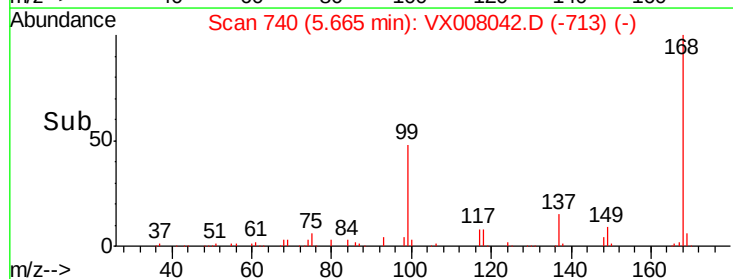
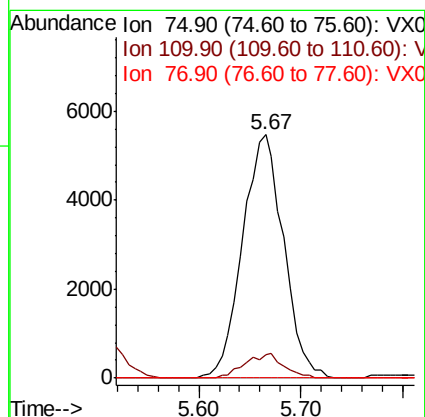
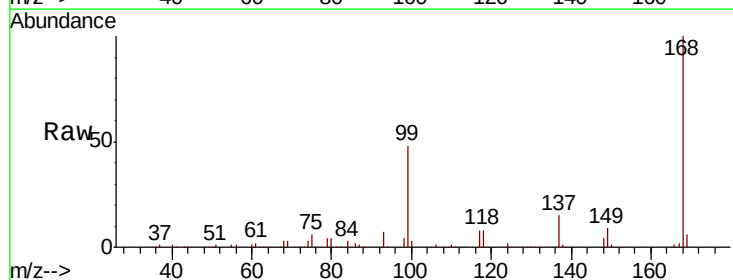
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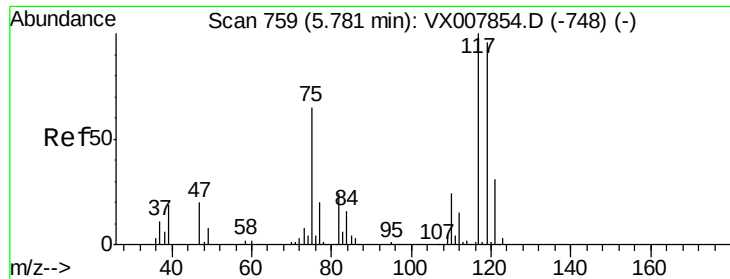
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	24.6	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.293 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008042.D
 Acq: 13 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.0#
77	0.0	25.0	37.4#

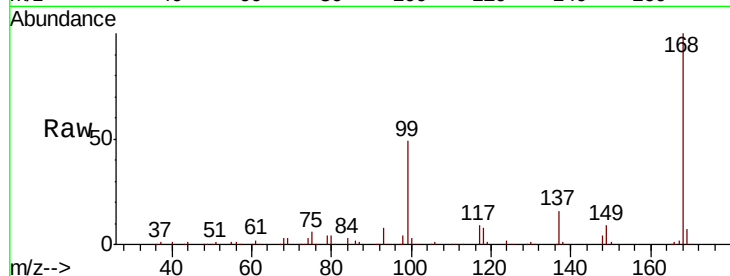




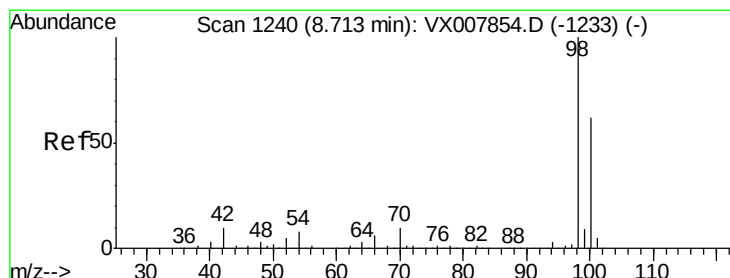
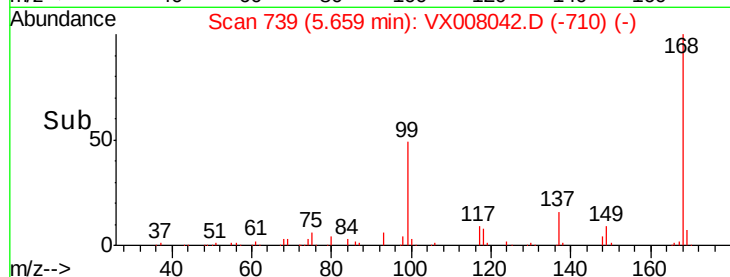
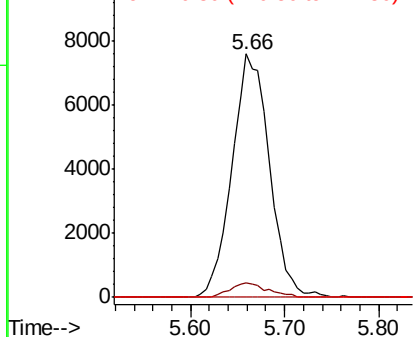
#38
Carbon Tetrachloride
Concen: 6.212 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX008042.D
Acq: 13 Mar 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-685-687

Tgt Ion: 117 Resp: 21037
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.6 36.8#

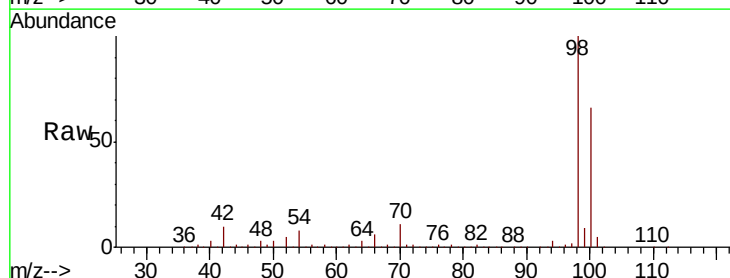


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

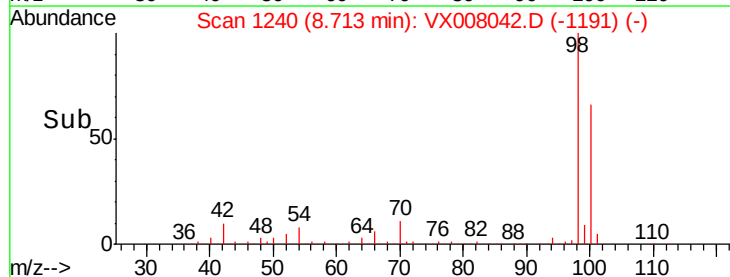
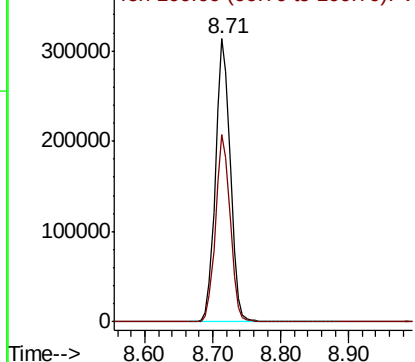


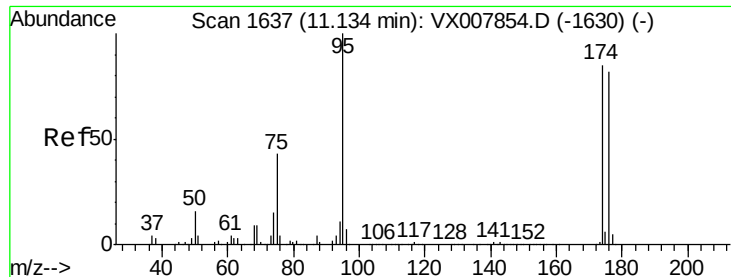
#50
Toluene-d8
Concen: 51.302 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008042.D
Acq: 13 Mar 2019 12:12

Tgt Ion: 98 Resp: 474818
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 55.245 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

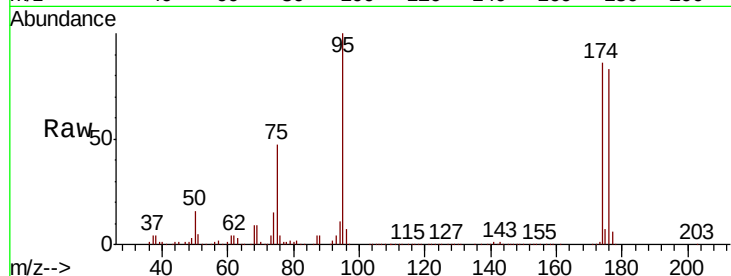
Tgt Ion: 95 Resp: 179268

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.8

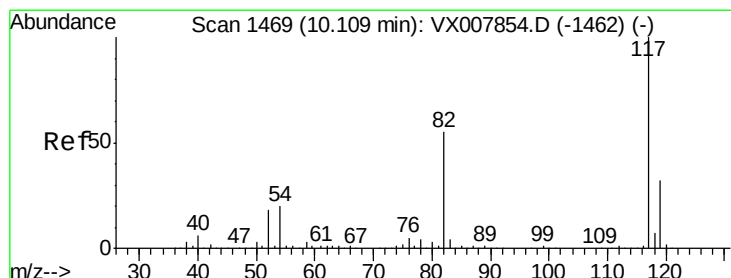
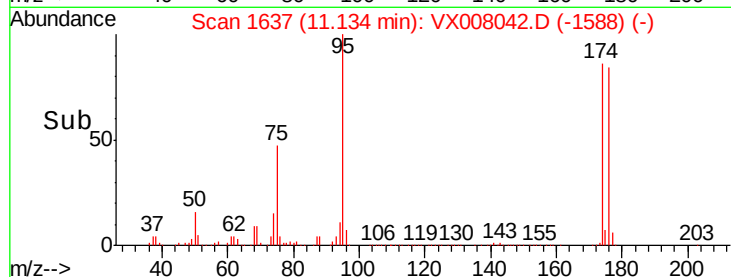
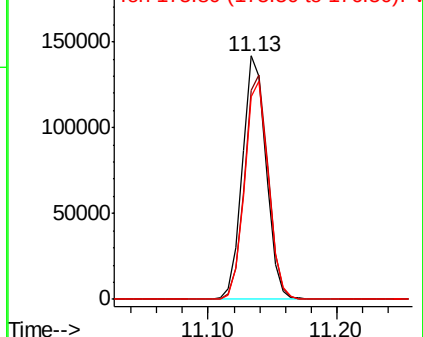
176 89.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

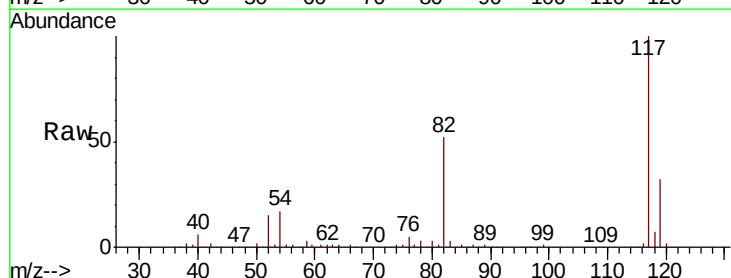
Tgt Ion: 117 Resp: 375510

Ion Ratio Lower Upper

117 100

82 52.1 44.3 66.5

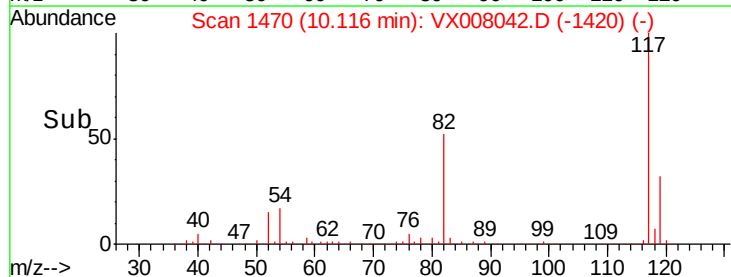
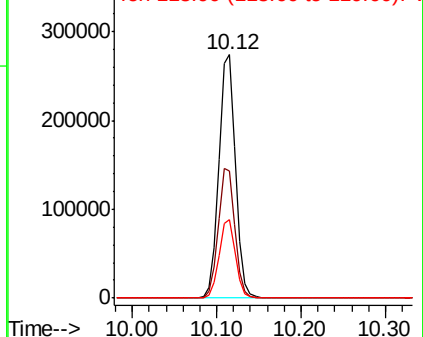
119 32.1 25.3 37.9

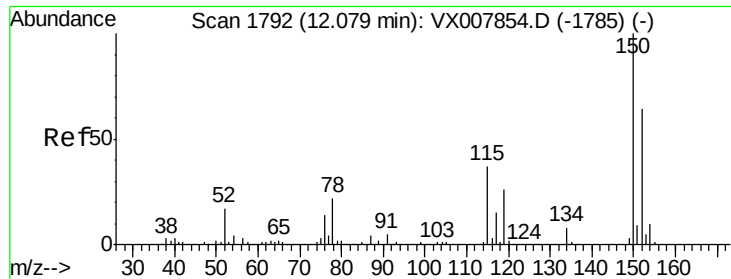


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

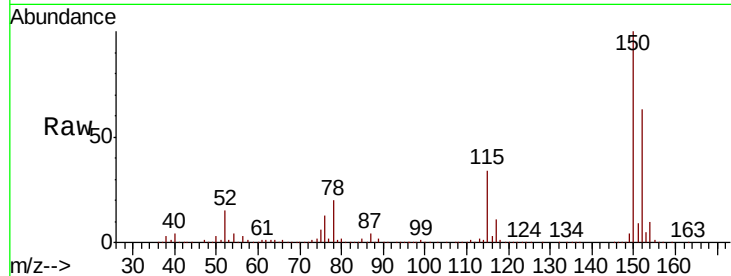
Tgt Ion: 152 Resp: 184862

Ion Ratio Lower Upper

152 100

115 54.9 38.6 115.7

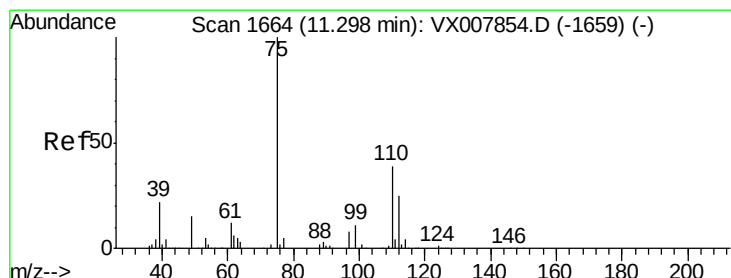
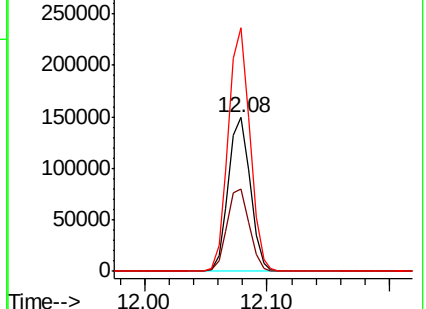
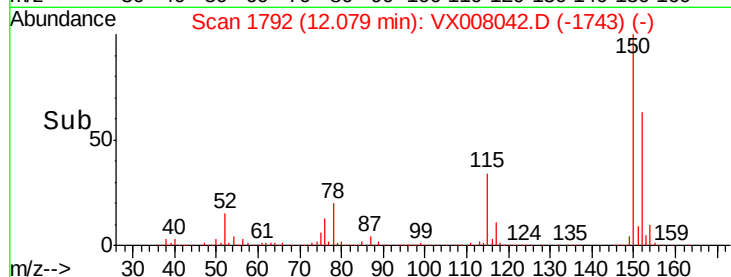
150 156.3 0.0 348.4



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: 20.980 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008042.D

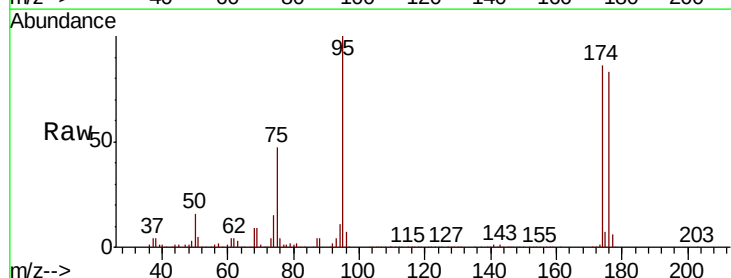
Acq: 13 Mar 2019 12:12

Tgt Ion: 75 Resp: 81387

Ion Ratio Lower Upper

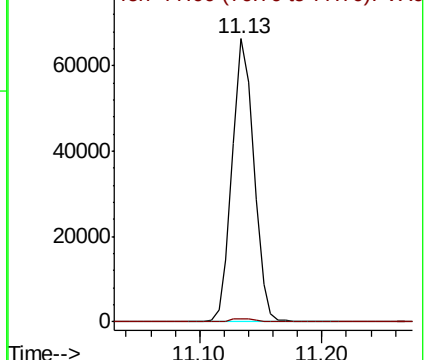
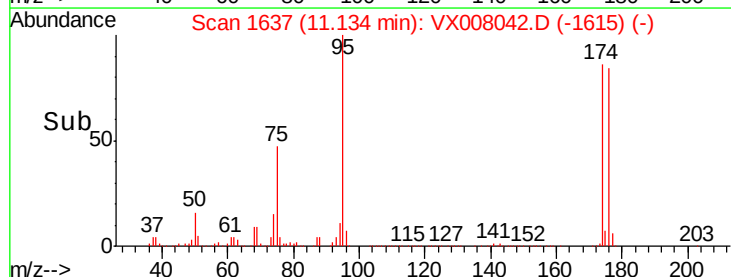
75 100

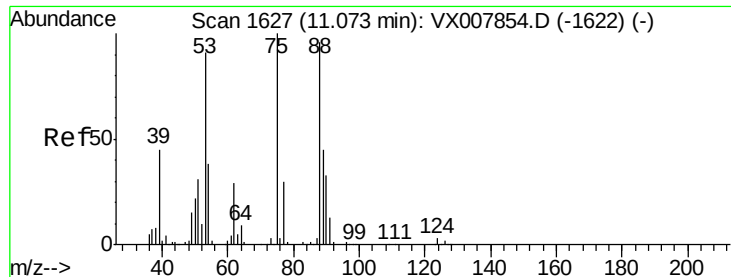
77 1.4 18.9 56.7#



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: 67.064 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008042.D

Acq: 13 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

Tgt Ion: 75 Resp: 81387

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

