

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\
 Data File : VX008363.D
 Acq On : 23 Mar 2019 20:29
 Operator : JC/SP
 Sample : K1937-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190314

Quant Time: Mar 25 08:02:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396847	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138005	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	170656	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	5.50	113	123141	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	8.71	98	497921	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.13	95	165978	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

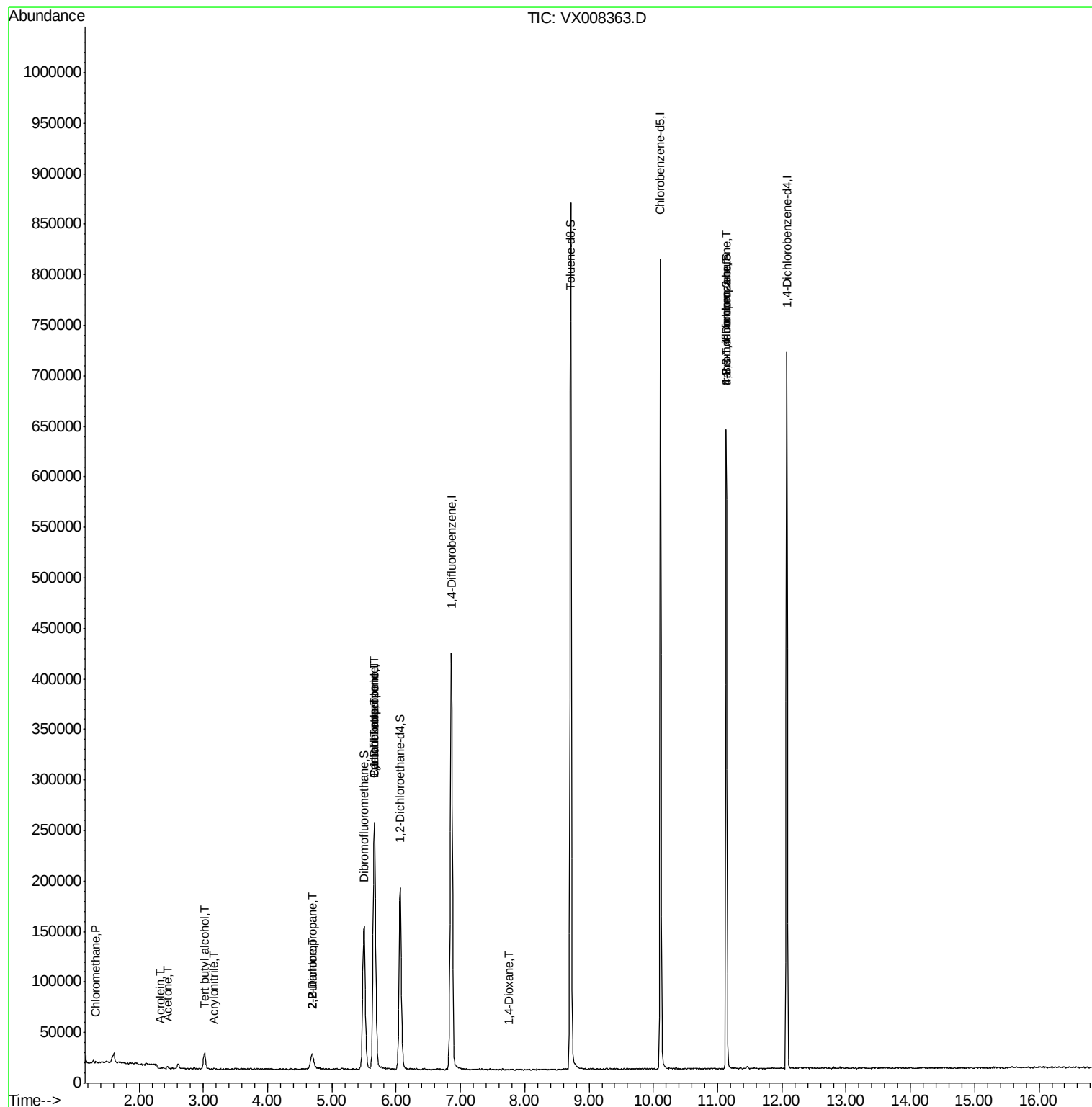
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	876	0.230	ug/l #	75
11) Tert butyl alcohol	3.02	59	9889	12.820	ug/l #	80
13) Acrolein	2.32	56	181	0.275	ug/l #	13
15) Acrylonitrile	3.16	53	514	0.260	ug/l #	71
16) Acetone	2.45	43	2506	1.448	ug/l #	88
25) 2-Butanone	4.70	43	1235	0.433	ug/l	94
26) 2,2-Dichloropropane	4.70	77	1557	0.426	ug/l #	51
31) Cyclohexane	5.65	56	5821	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20205	4.983	ug/l #	48
38) Carbon Tetrachloride	5.66	117	23096	6.644	ug/l #	17
49) 1,4-Dioxane	7.76	88	136	1.563	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85929	23.788	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	85929	67.790	ug/l #	11

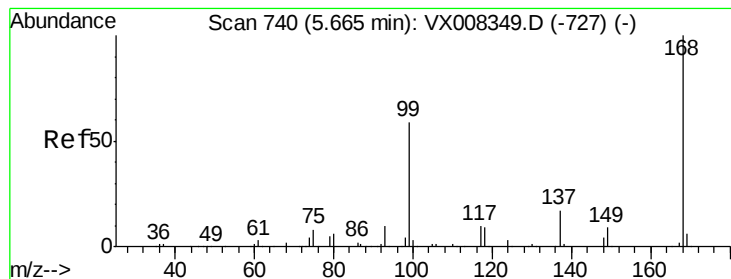
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

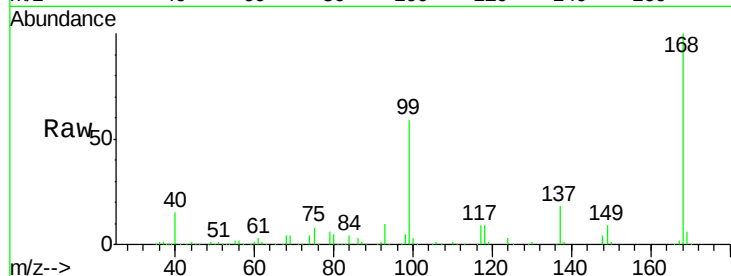
BP-MH-SW4001-SOUTH-20190314

Tot Ion:168 Resp: 227052

Ion Ratio Lower Upper

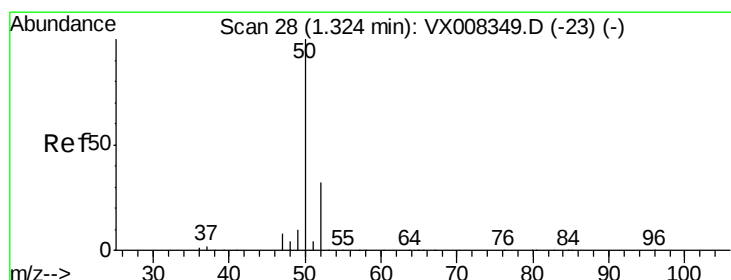
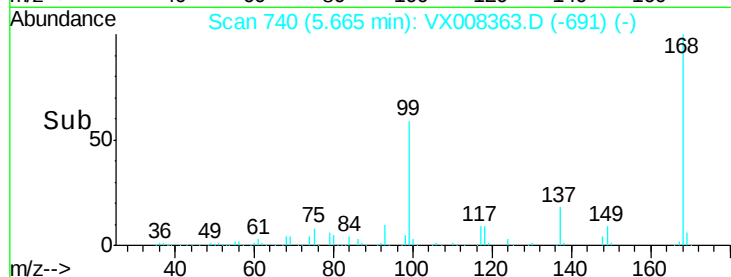
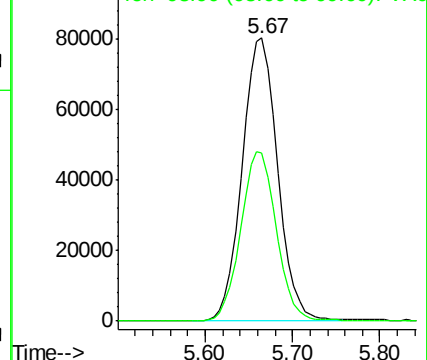
168 100

99 59.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008363.D

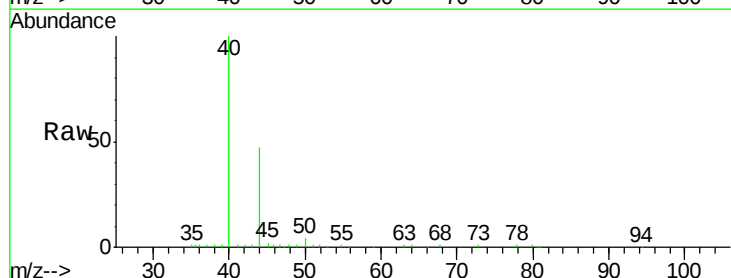
Acq: 23 Mar 2019 20:29

Tgt Ion: 50 Resp: 876

Ion Ratio Lower Upper

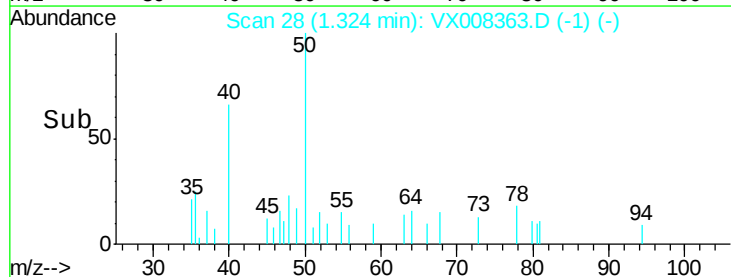
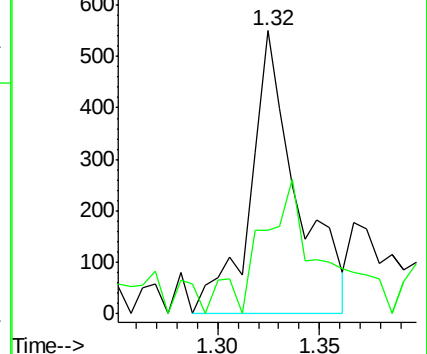
50 100

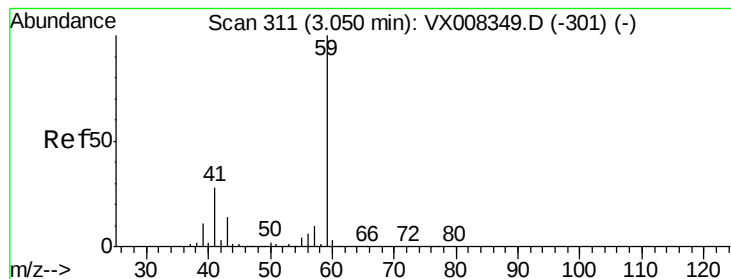
52 19.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



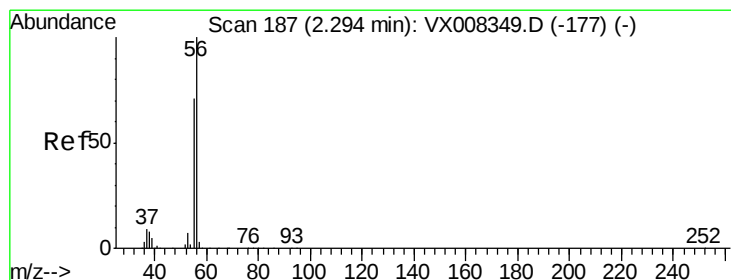
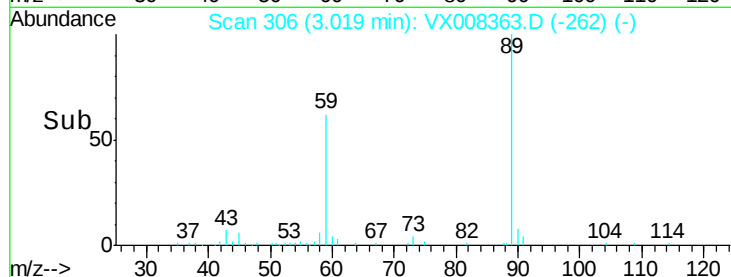
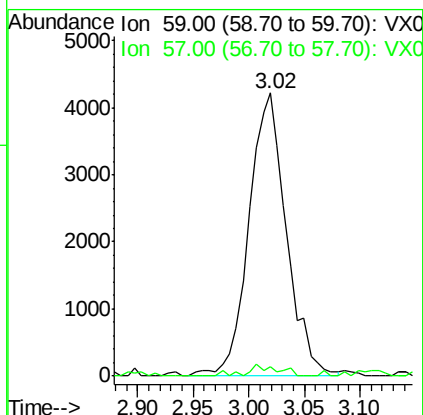
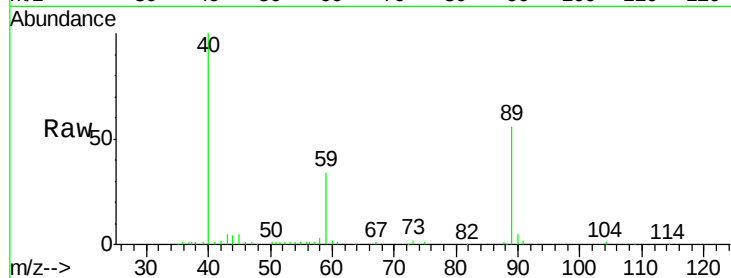


#11

Tert butyl alcohol
 Concen: 12.820 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008363.D
 Acq: 23 Mar 2019 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190314

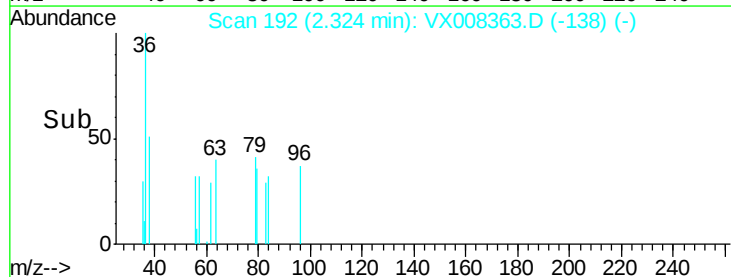
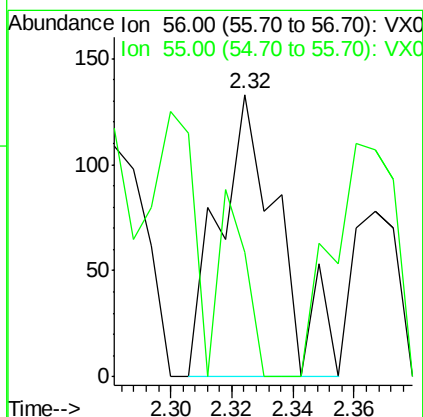
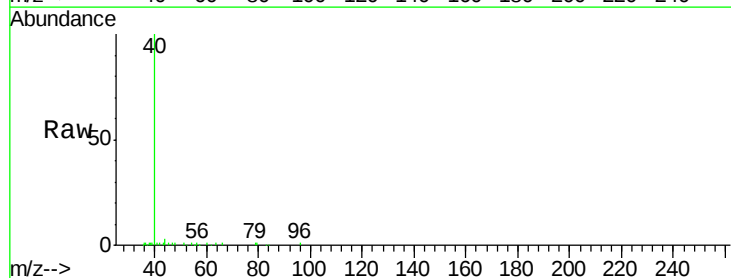
Tot Ion: 59 Resp: 9889
 Ion Ratio Lower Upper
 59 100
 57 2.8 8.2 12.2#

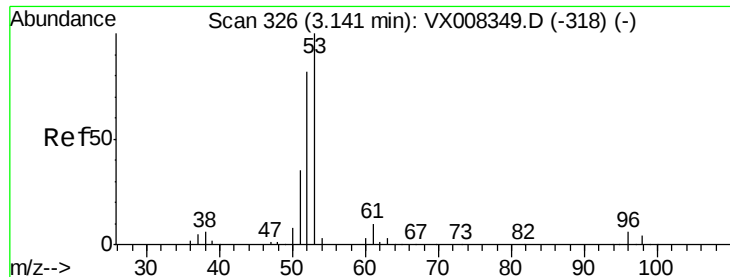


#13

Acrolein
 Concen: 0.275 ug/l
 RT: 2.32 min Scan# 192
 Delta R.T. 0.03 min
 Lab File: VX008363.D
 Acq: 23 Mar 2019 20:29

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#15

Acrylonitrile

Concen: 0.260 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-SOUTH-20190314

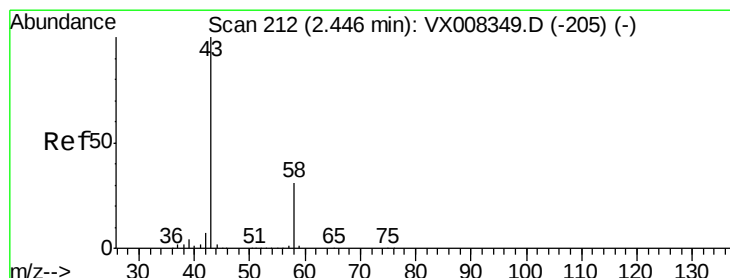
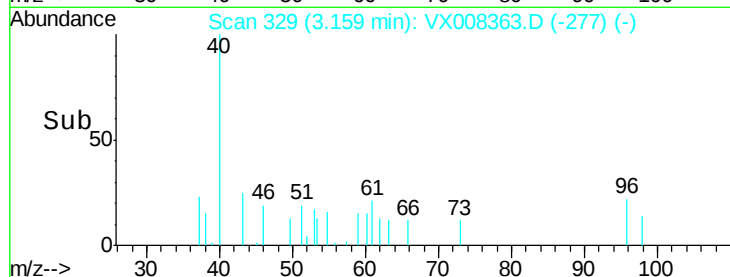
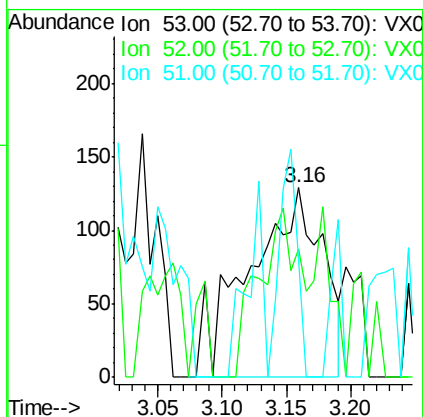
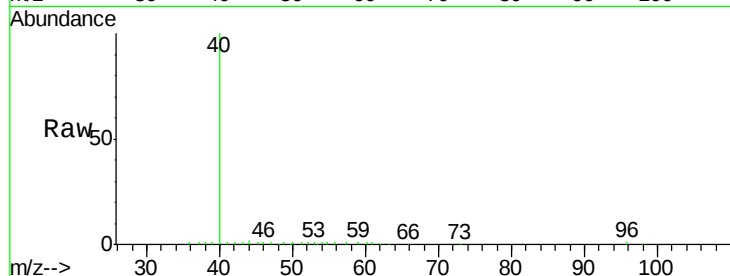
Tot Ion: 53 Resp: 514

Ion Ratio Lower Upper

53 100

52 49.2 66.0 99.0#

51 29.6 28.0 42.0



#16

Acetone

Concen: 1.448 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008363.D

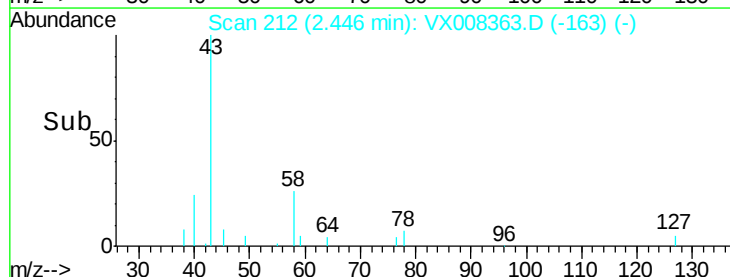
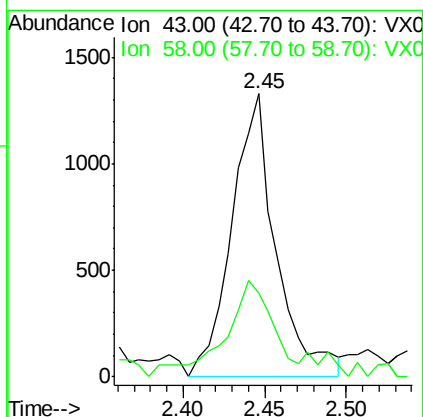
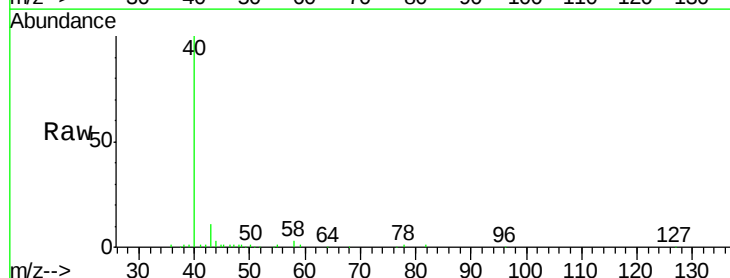
Acq: 23 Mar 2019 20:29

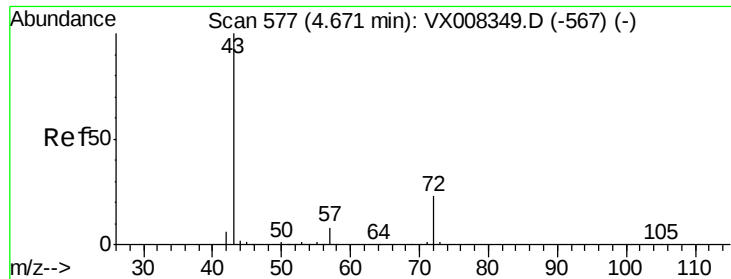
Tgt Ion: 43 Resp: 2506

Ion Ratio Lower Upper

43 100

58 25.5 25.5 38.3#





#25

2-Butanone

Concen: 0.433 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

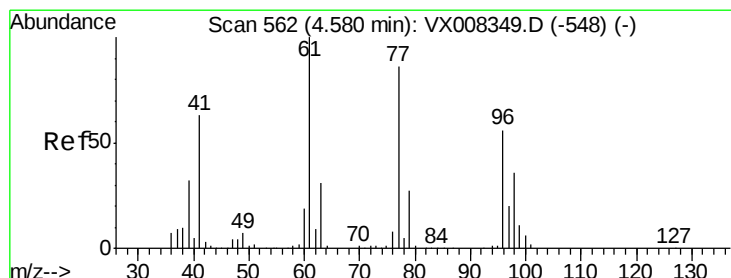
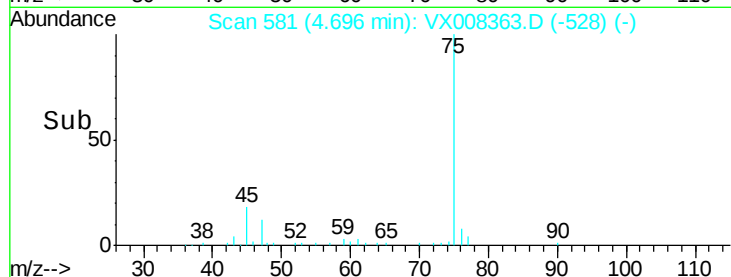
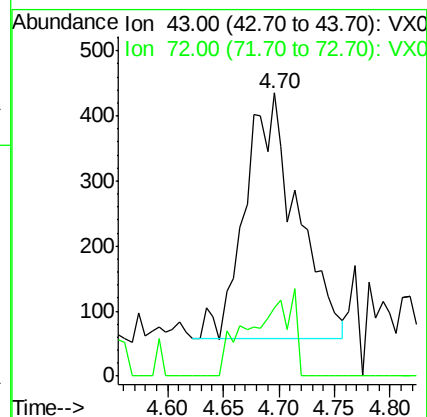
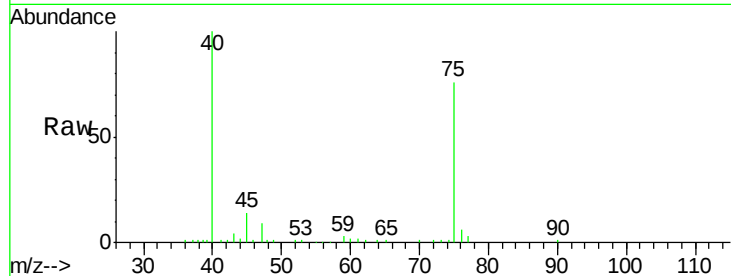
BP-MH-SW4001-SOUTH-20190314

Tot Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

72 28.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 0.426 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.12 min

Lab File: VX008363.D

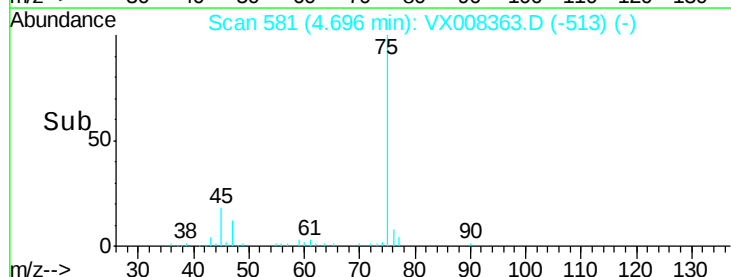
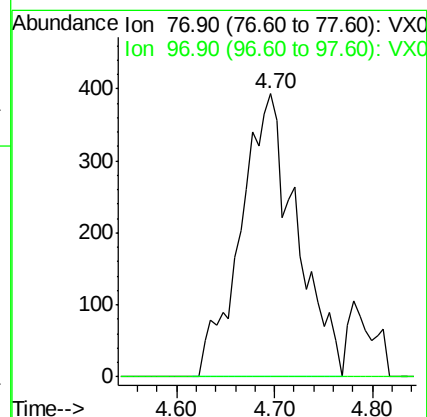
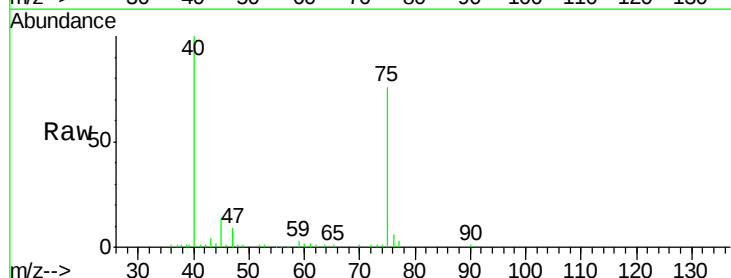
Acq: 23 Mar 2019 20:29

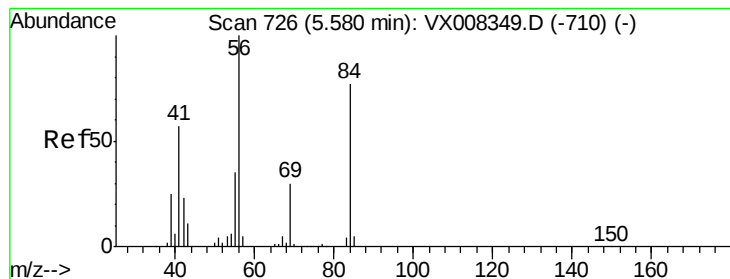
Tgt Ion: 77 Resp: 1557

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-SOUTH-20190314

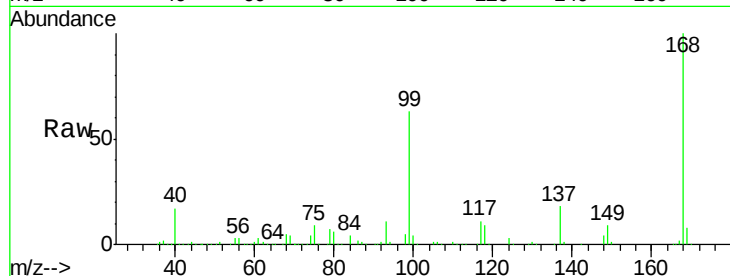
Tot Ion: 56 Resp: 5821

Ion Ratio Lower Upper

56 100

69 152.4 24.0 36.0#

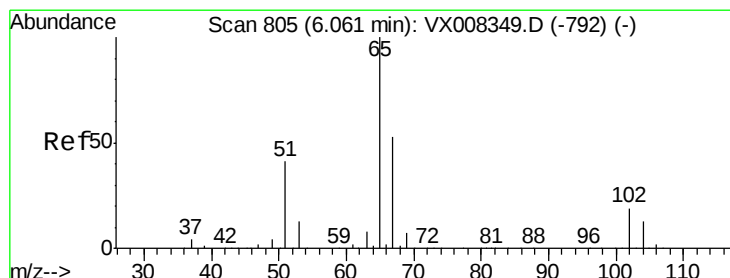
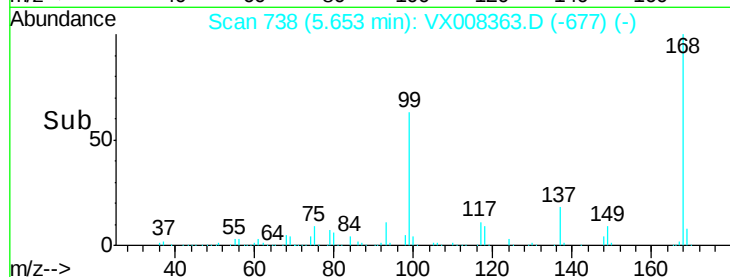
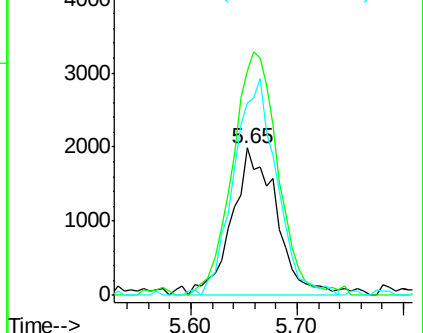
84 130.4 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.280 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008363.D

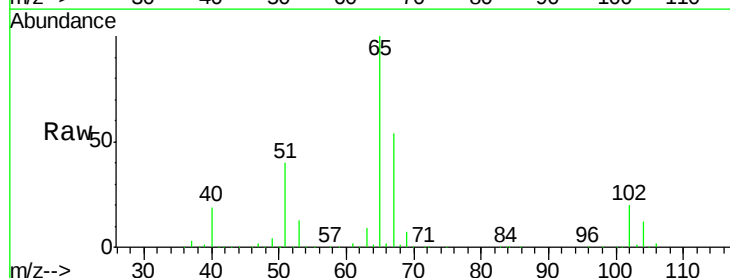
Acq: 23 Mar 2019 20:29

Tgt Ion: 65 Resp: 170656

Ion Ratio Lower Upper

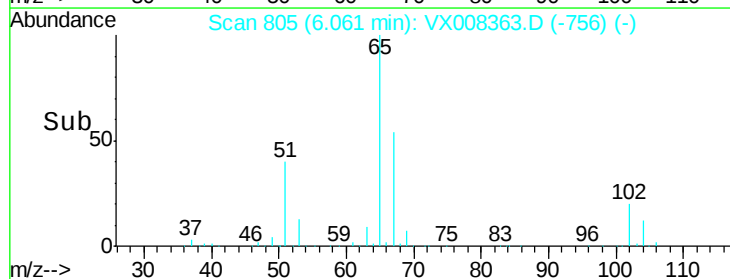
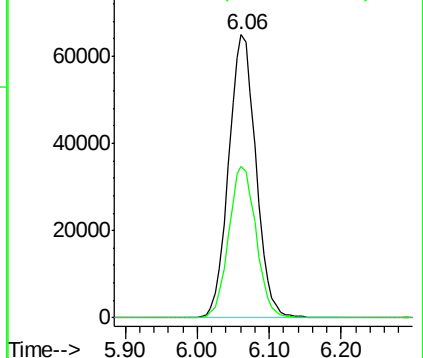
65 100

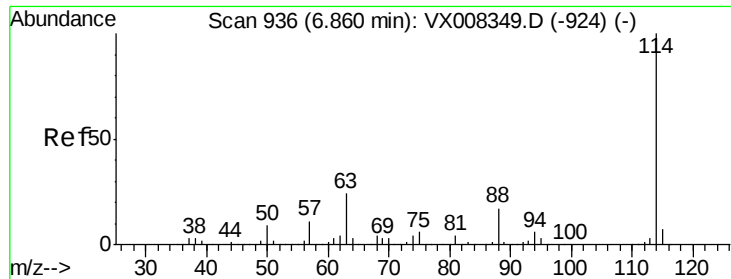
67 53.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

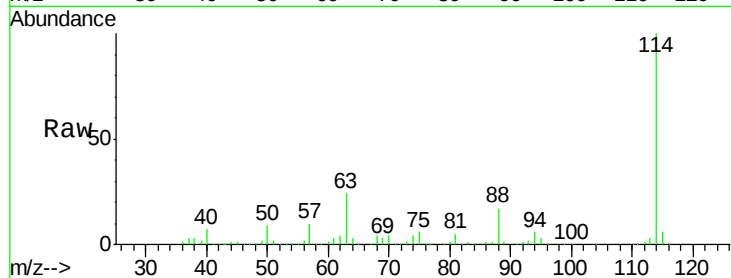




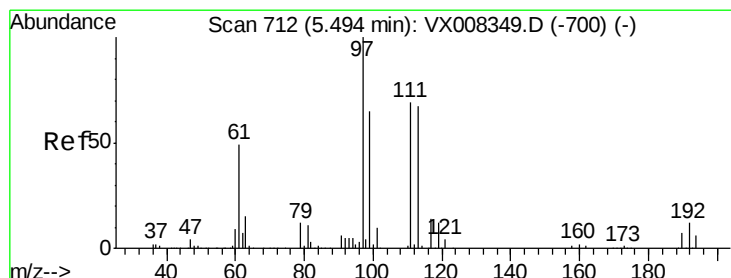
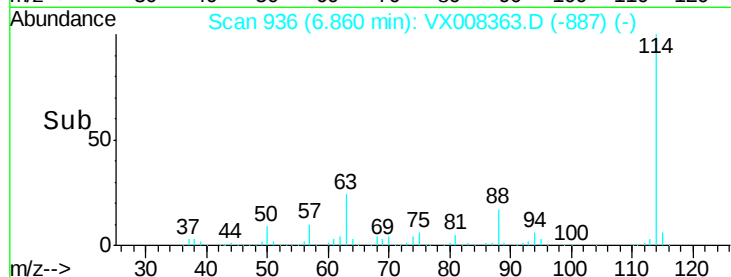
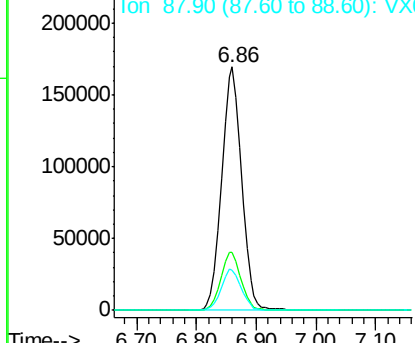
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008363.D
 Acq: 23 Mar 2019 20:29

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Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	39.8
88	16.6	0.0	31.4

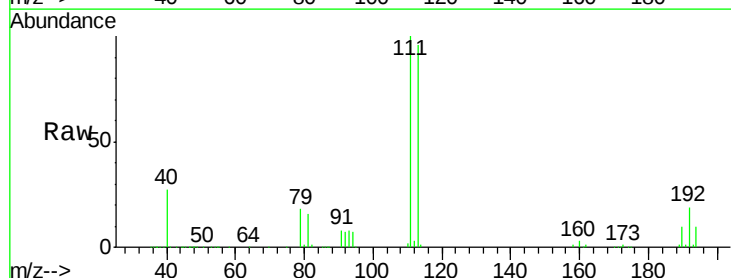


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

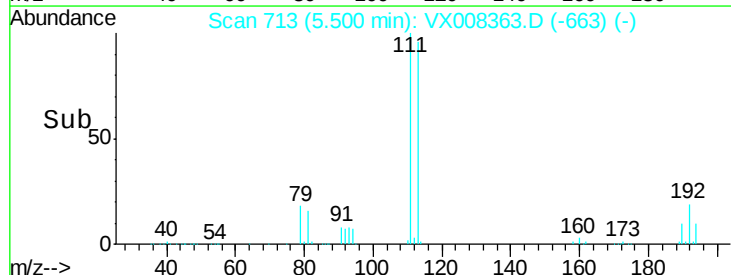
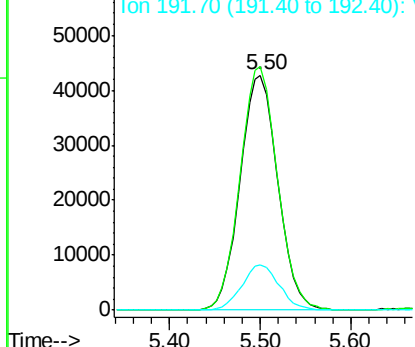


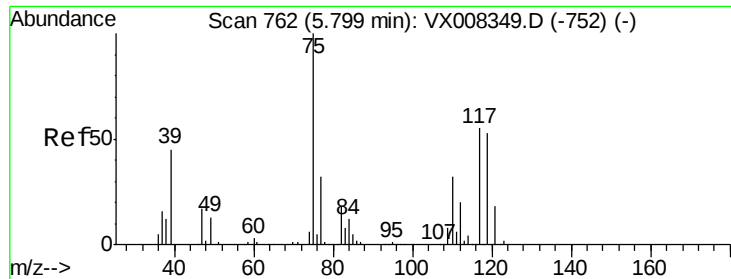
#35
 Dibromofluoromethane
 Concen: 47.893 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008363.D
 Acq: 23 Mar 2019 20:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	19.1	19.4	29.0#



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

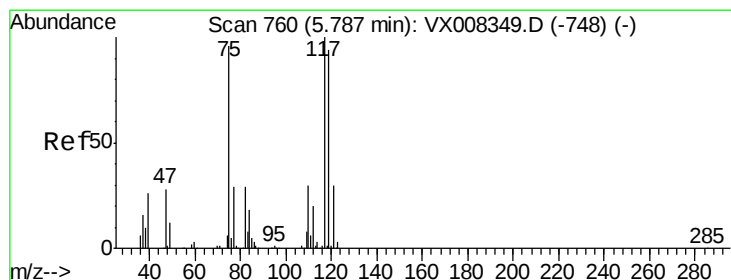
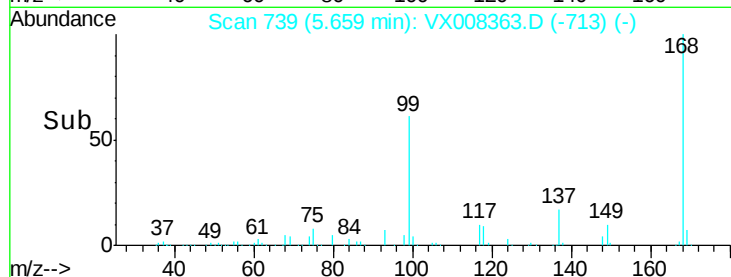
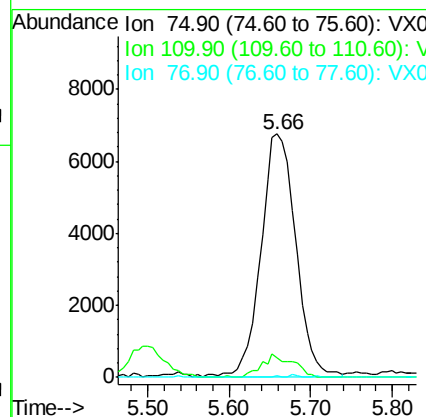
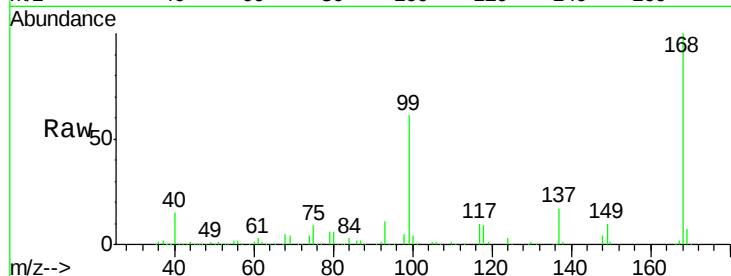




#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008363.D
 Acq: 23 Mar 2019 20:29

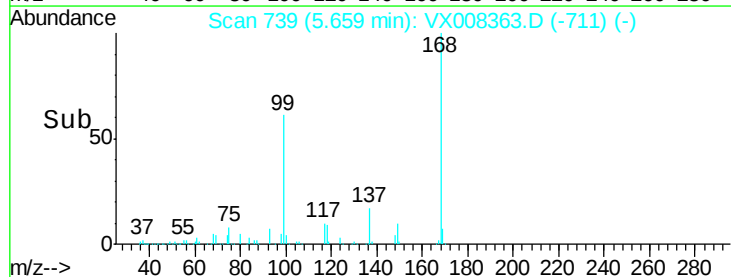
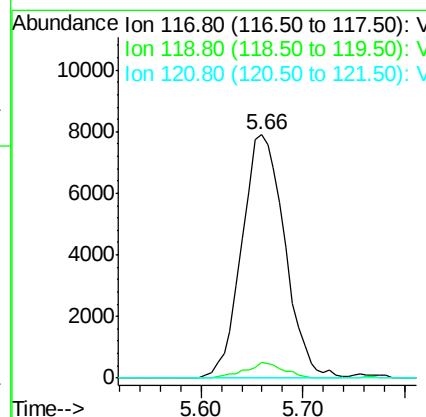
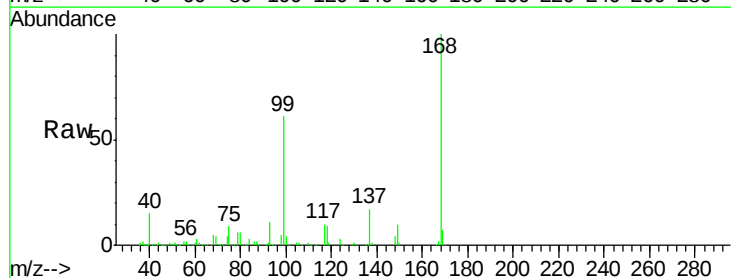
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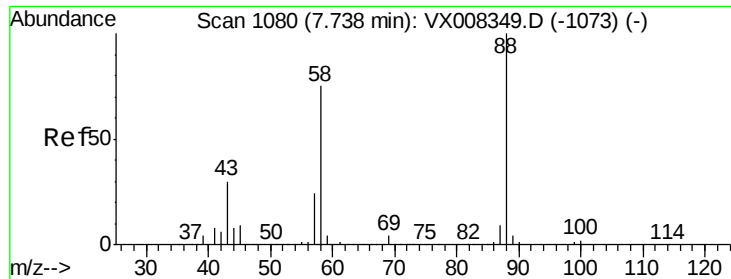
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.4	55.0#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.644 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008363.D
 Acq: 23 Mar 2019 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.2	114.2#
121	0.0	24.6	36.8#





#49

1,4-Dioxane

Concen: 1.563 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-SOUTH-20190314

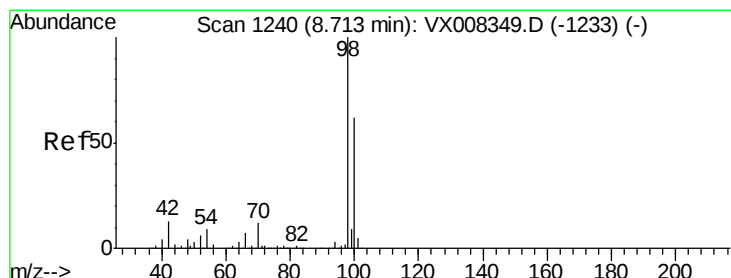
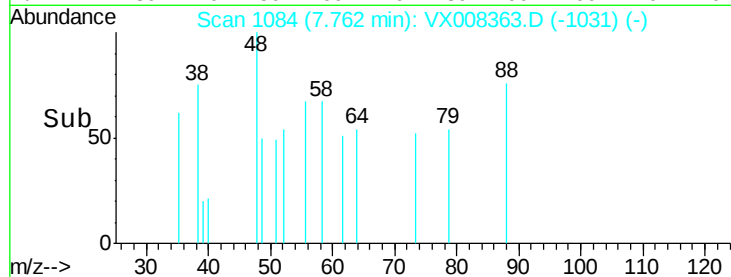
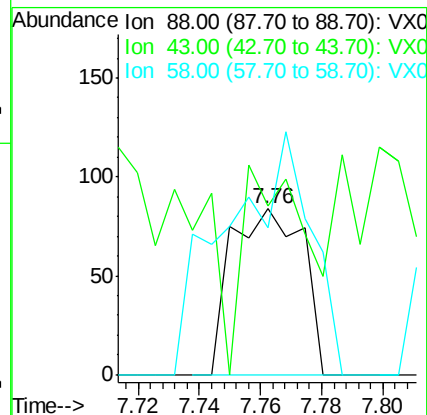
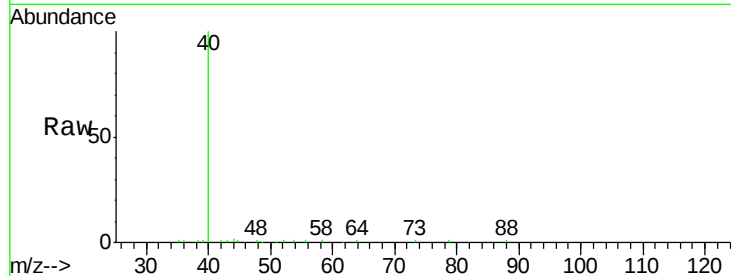
Tot Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 110.3 25.1 37.7#

58 172.1 57.8 86.6#



#50

Toluene-d8

Concen: 48.962 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008363.D

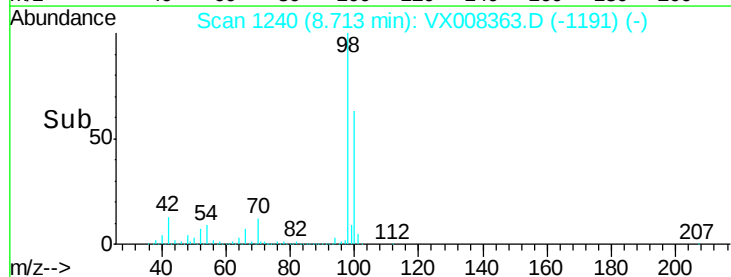
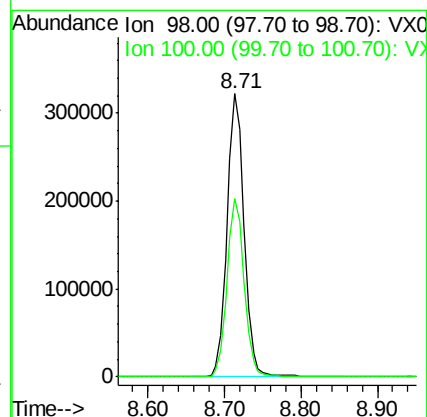
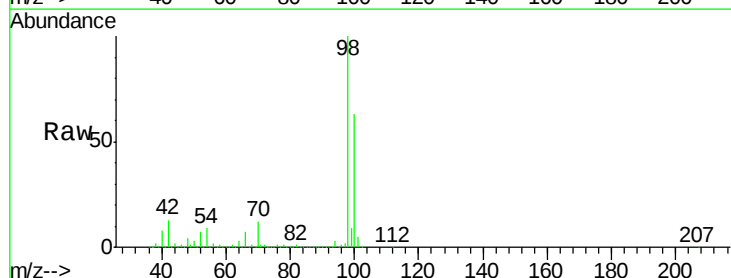
Acq: 23 Mar 2019 20:29

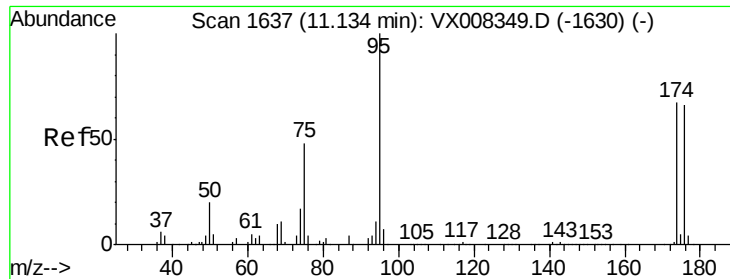
Tgt Ion: 98 Resp: 497921

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 44.452 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-SOUTH-20190314

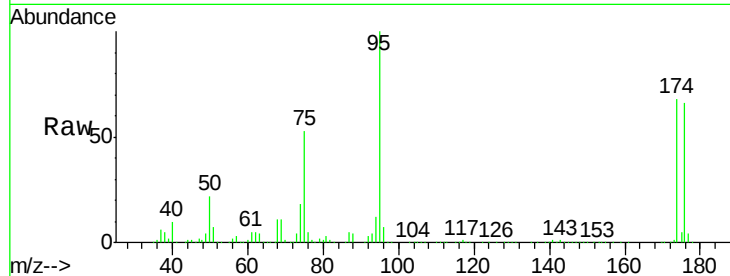
Tot Ion: 95 Resp: 165978

Ion Ratio Lower Upper

95 100

174 72.4 0.0 182.8

176 70.9 0.0 178.0

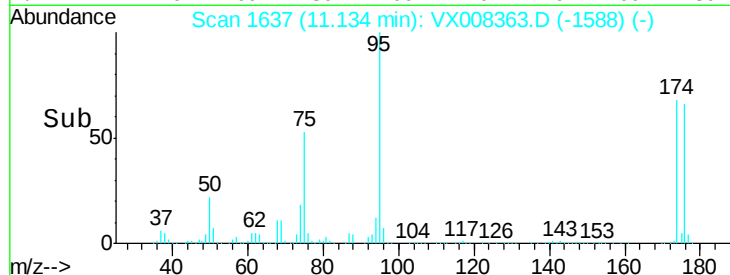


Abundance Ion 94.90 (94.60 to 95.60): VX008349.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008349.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008349.D (-1630) (-)

Time-->

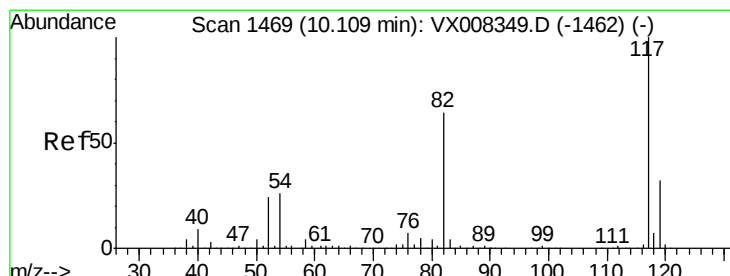


Abundance Ion 94.90 (94.60 to 95.60): VX008363.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008363.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008363.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

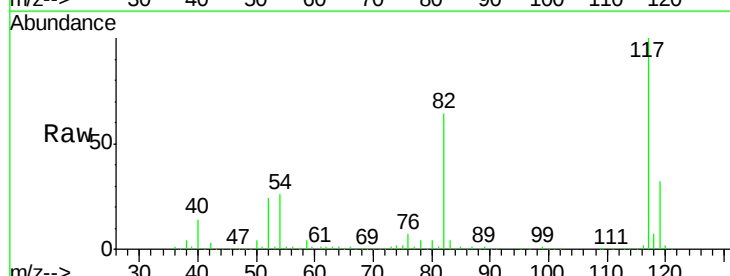
Tgt Ion: 117 Resp: 337973

Ion Ratio Lower Upper

117 100

82 64.1 44.3 66.5

119 32.0 25.3 37.9

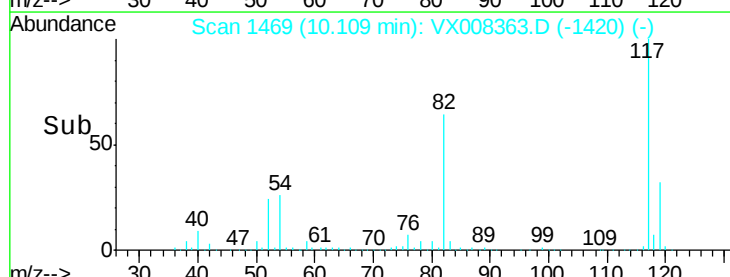


Abundance Ion 116.90 (116.60 to 117.60): VX008349.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008349.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008349.D (-1462) (-)

Time-->

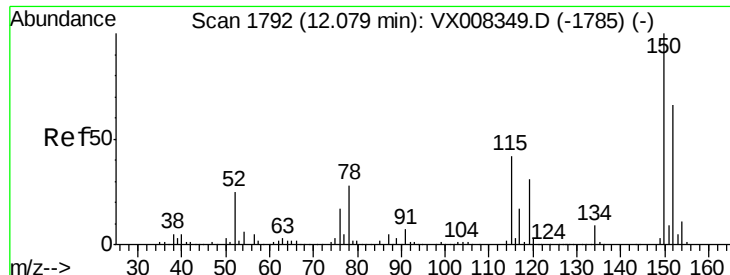


Abundance Ion 116.90 (116.60 to 117.60): VX008363.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008363.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008363.D (-1420) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-SOUTH-20190314

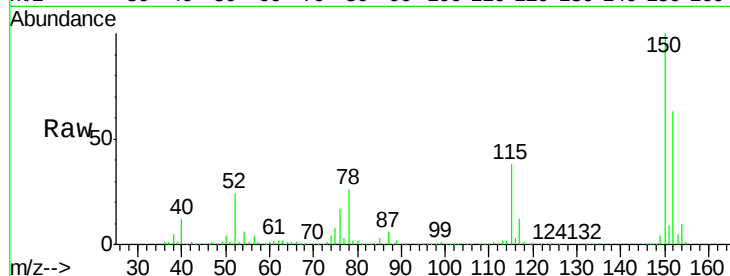
Tot Ion:152 Resp: 138005

Ion Ratio Lower Upper

152 100

115 62.7 38.6 115.7

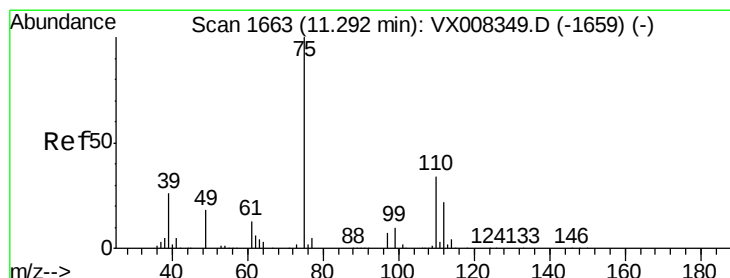
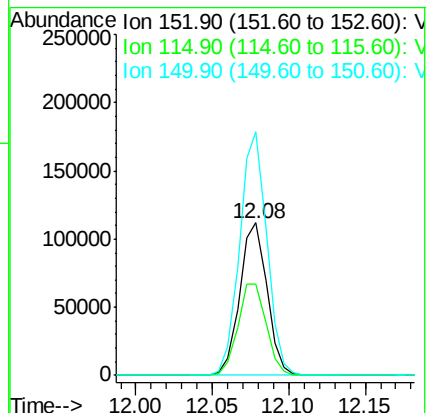
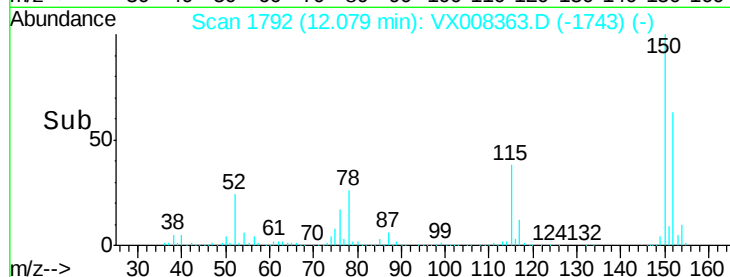
150 159.0 0.0 348.4



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: 23.788 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008363.D

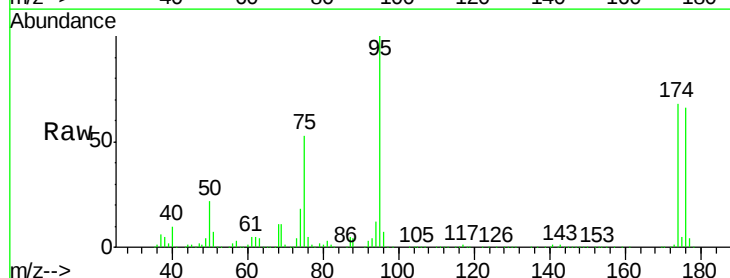
Acq: 23 Mar 2019 20:29

Tgt Ion: 75 Resp: 85929

Ion Ratio Lower Upper

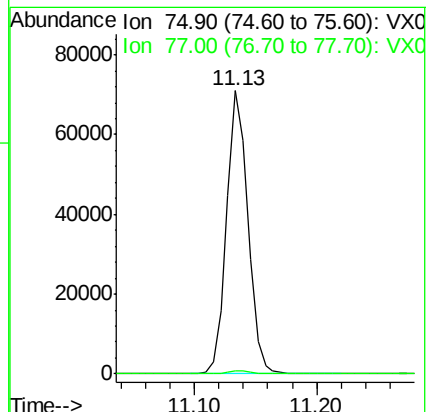
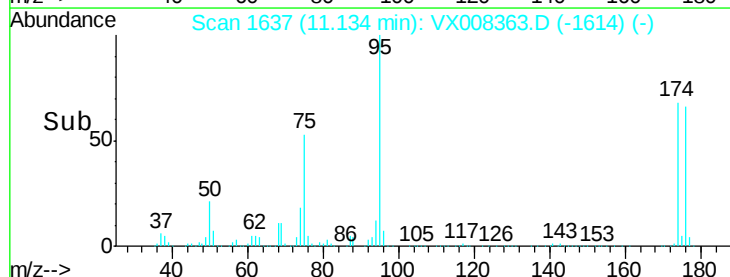
75 100

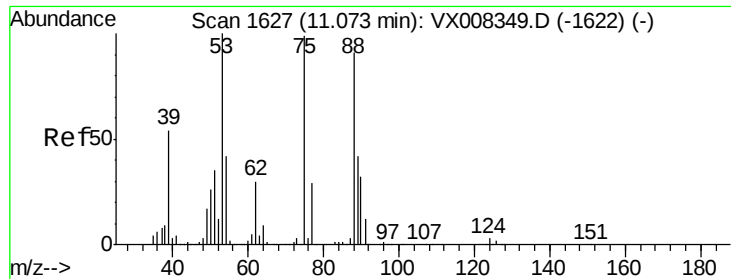
77 1.4 18.9 56.7#



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: 67.790 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008363.D

Acq: 23 Mar 2019 20:29

Instrument :

MSVOA_X

ClientSampleId :

BP-MH-SW4001-SOUTH-20190314

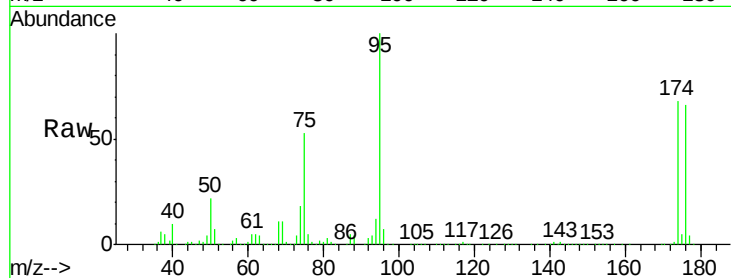
Tot Ion: 75 Resp: 85929

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

