

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011119\
 Data File : VX007020.D
 Acq On : 11 Jan 2019 18:10
 Operator : JC/SP
 Sample : K1133-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW004-190109

Quant Time: Jan 11 22:20:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

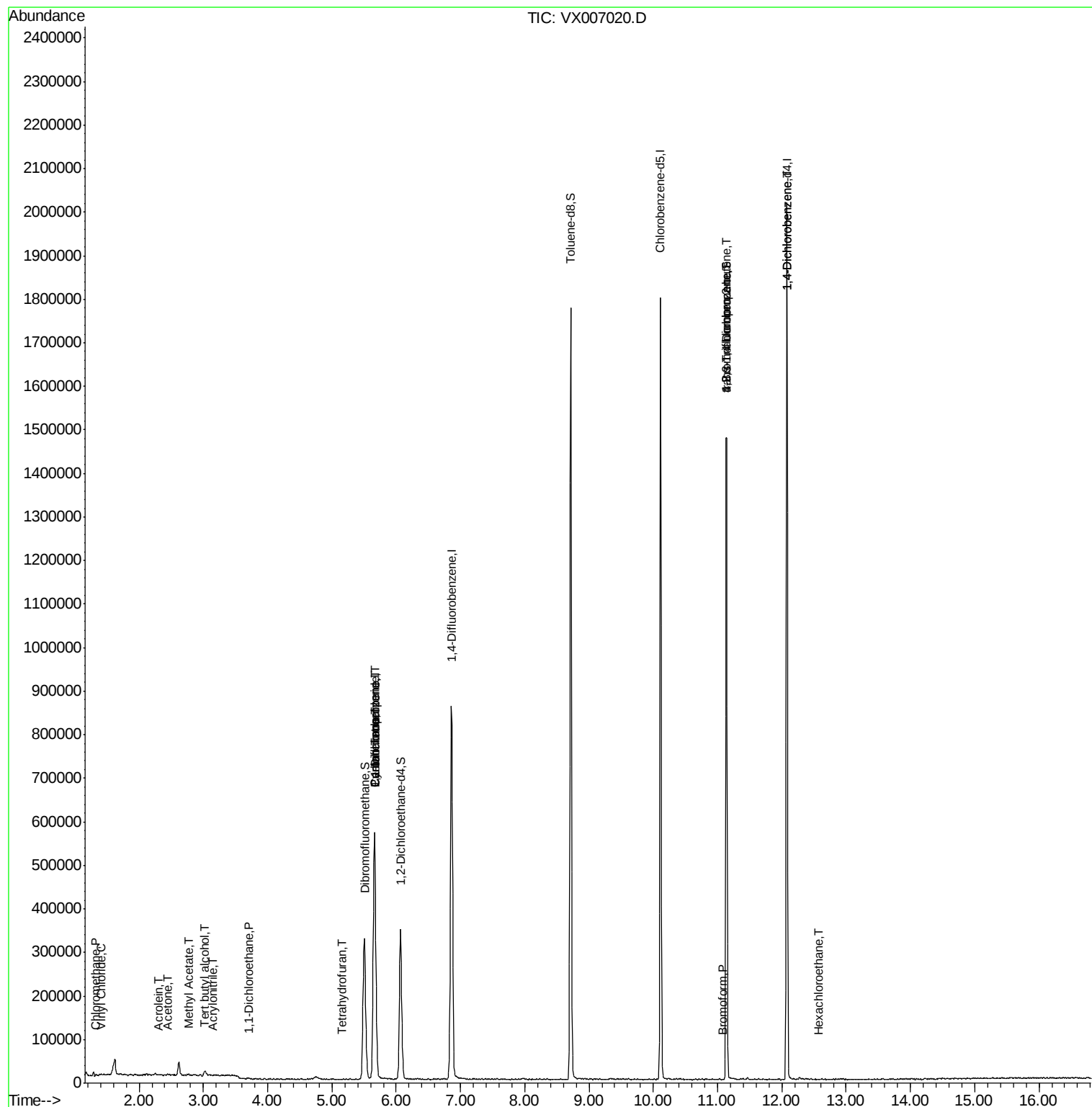
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	587271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	914110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	855213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422964	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	314804	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
35) Dibromofluoromethane	5.51	113	278198	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
50) Toluene-d8	8.71	98	1094595	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.13	95	393529	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	2802	0.499	ug/l	94
4) Vinyl Chloride	1.41	62	1615	0.267	ug/l	98
11) Tert butyl alcohol	3.02	59	6459	4.461	ug/l #	92
13) Acrolein	2.31	56	290	3.543	ug/l	85
15) Acrylonitrile	3.14	53	974	0.293	ug/l #	53
16) Acetone	2.45	43	2861	0.943	ug/l #	76
18) Methyl Acetate	2.78	43	2420	0.275	ug/l	94
20) Methylene Chloride	2.84	84	344	Below Cal	#	28
24) 1,1-Dichloroethane	3.70	63	2762	0.284	ug/l #	76
29) Tetrahydrofuran	5.16	42	841	0.298	ug/l #	71
31) Cyclohexane	5.66	56	9646	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	36790	4.629	ug/l #	49
38) Carbon Tetrachloride	5.67	117	53505	6.691	ug/l #	15
49) 1,4-Dioxane	7.74	88	143	Below Cal	#	10
71) Bromoform	11.08	173	106	4.745	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	186845	21.799	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	186845	64.593	ug/l #	10
88) 1,4-Dichlorobenzene	12.07	146	792	0.201	ug/l #	57
90) Hexachloroethane	12.58	117	21	2.913	ug/l	100

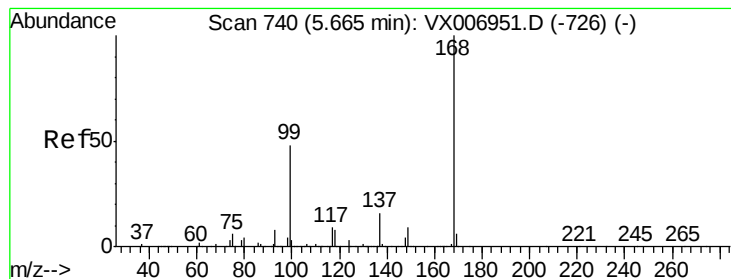
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

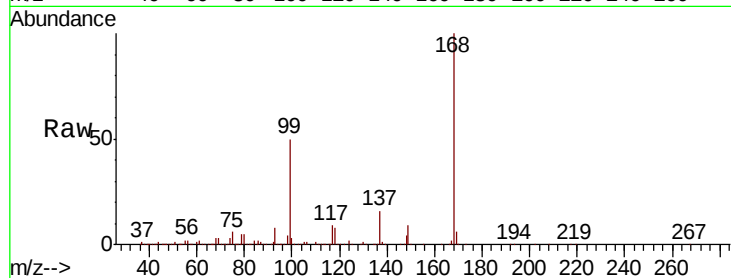
WP022MW004-190109

Tgt Ion:168 Resp: 587271

Ion Ratio Lower Upper

168 100

99 50.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

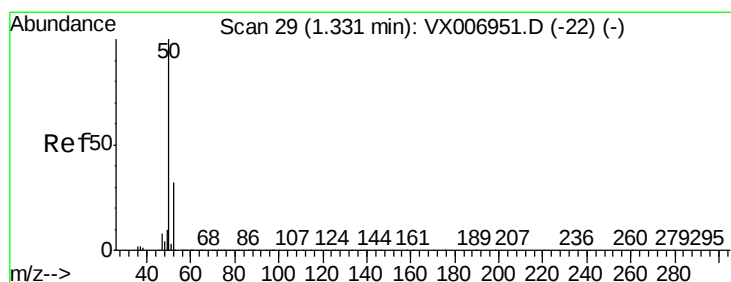
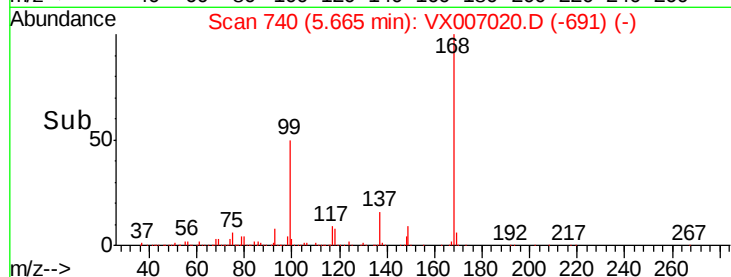
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.499 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007020.D

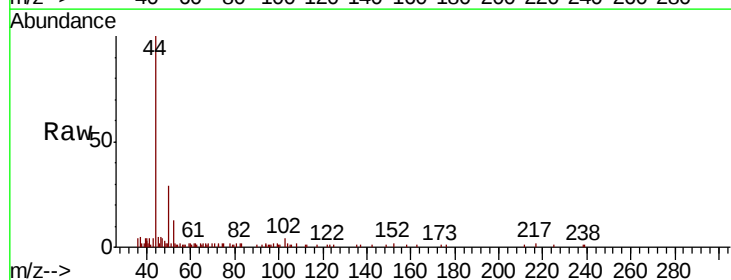
Acq: 11 Jan 2019 18:10

Tgt Ion: 50 Resp: 2802

Ion Ratio Lower Upper

50 100

52 35.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

2000

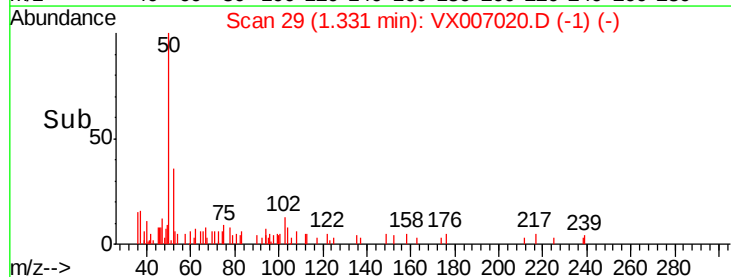
1500

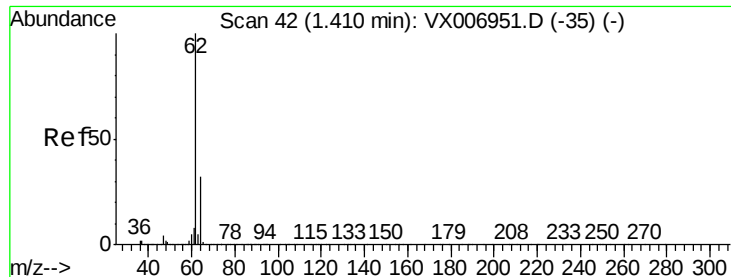
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.267 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

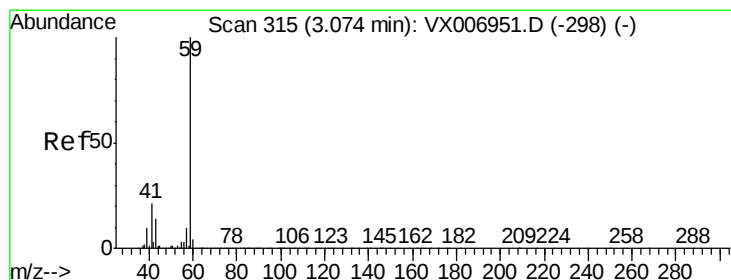
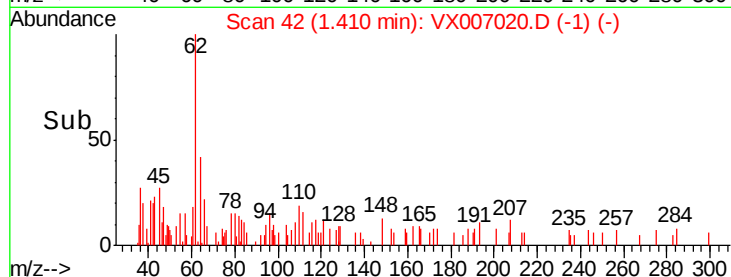
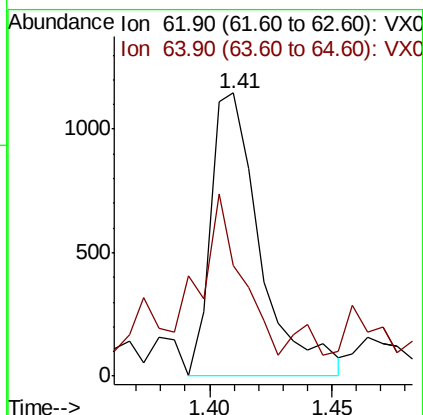
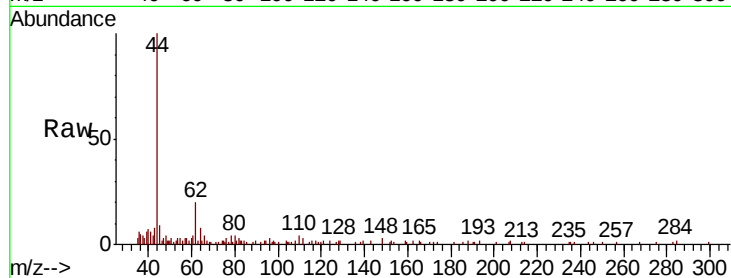
WP022MW004-190109

Tgt Ion: 62 Resp: 1615

Ion Ratio Lower Upper

62 100

64 30.2 25.1 37.7



#11

Tert butyl alcohol

Concen: 4.461 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007020.D

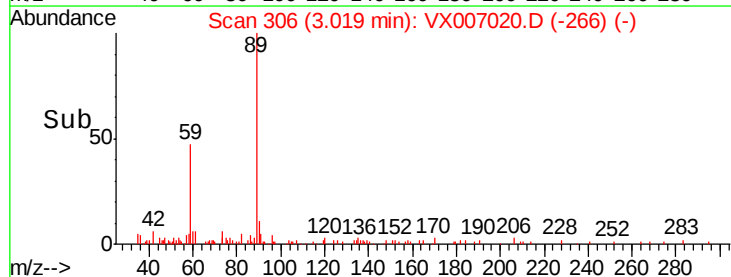
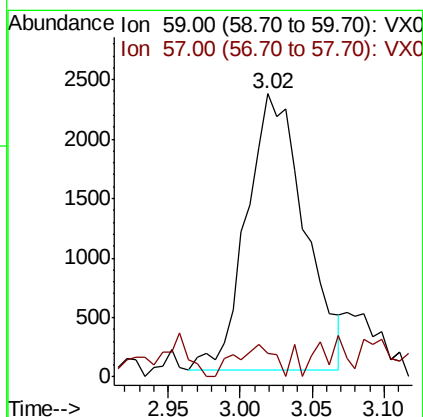
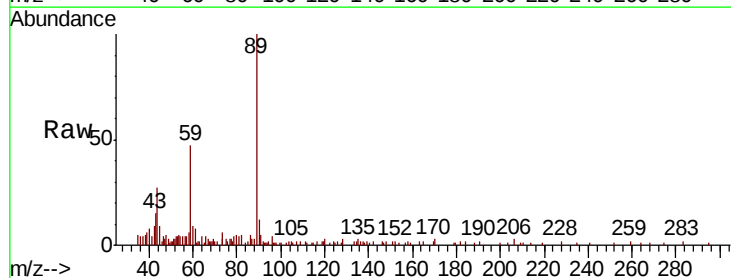
Acq: 11 Jan 2019 18:10

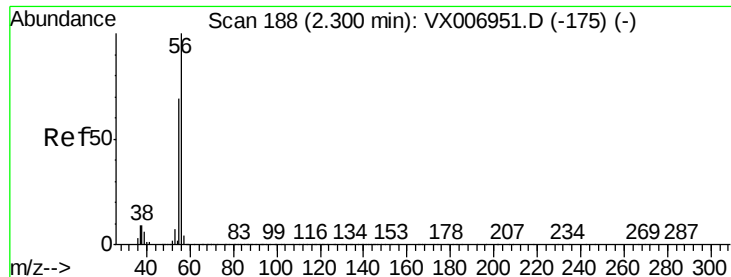
Tgt Ion: 59 Resp: 6459

Ion Ratio Lower Upper

59 100

57 7.7 8.5 12.7#





#13

Acrolein

Concen: 3.543 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

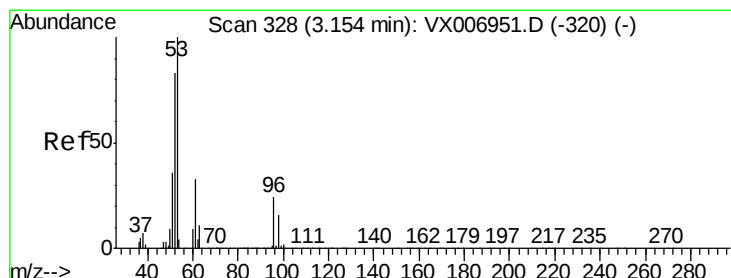
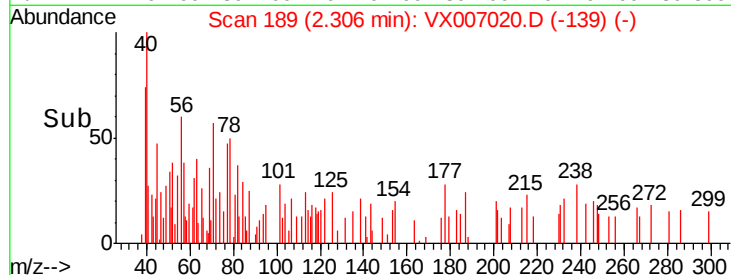
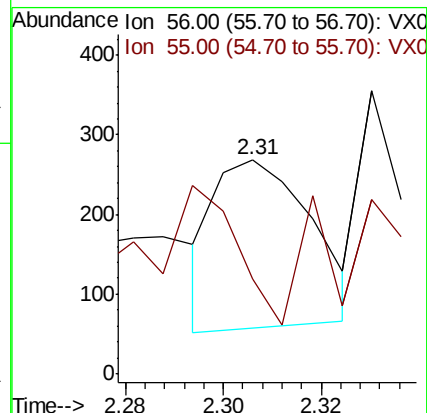
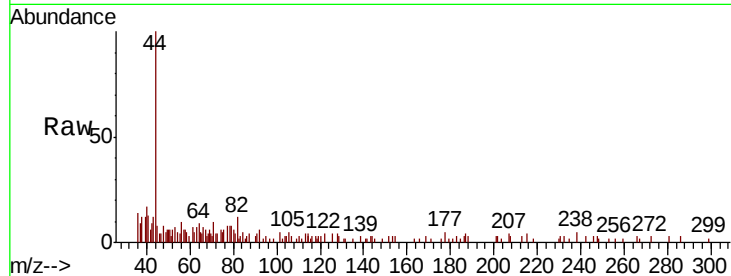
WP022MW004-190109

Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 85.2 58.2 87.4



#15

Acrylonitrile

Concen: 0.293 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

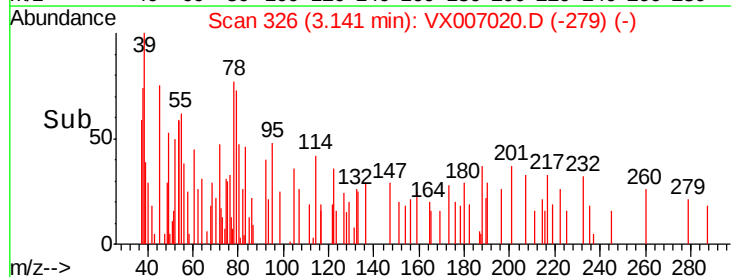
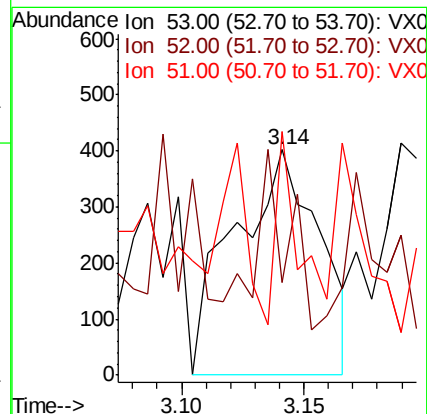
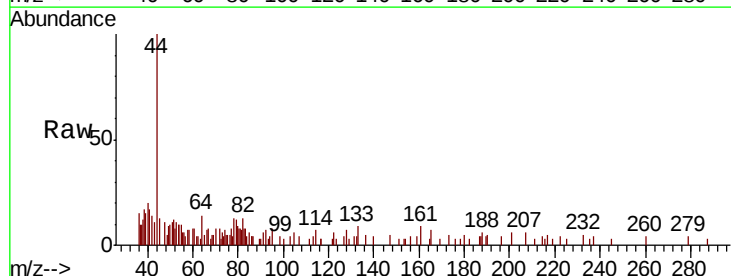
Tgt Ion: 53 Resp: 974

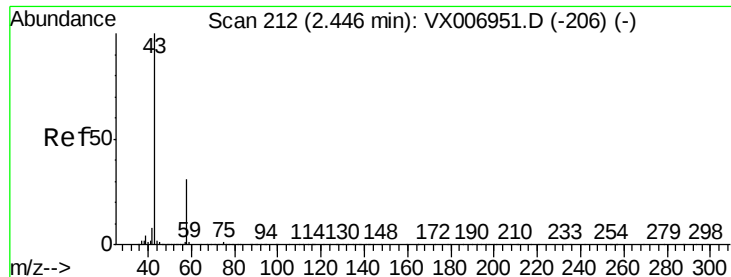
Ion Ratio Lower Upper

53 100

52 30.2 66.0 99.0#

51 22.9 28.6 42.8#

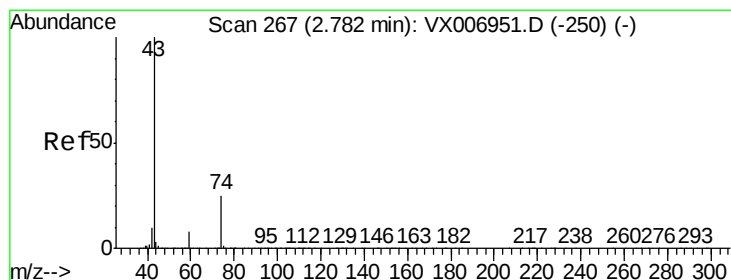
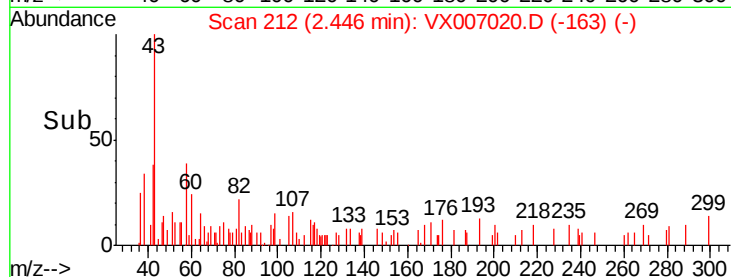
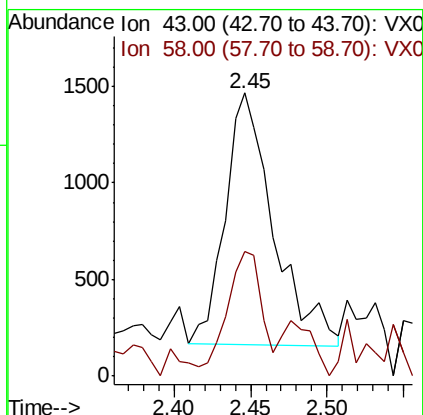
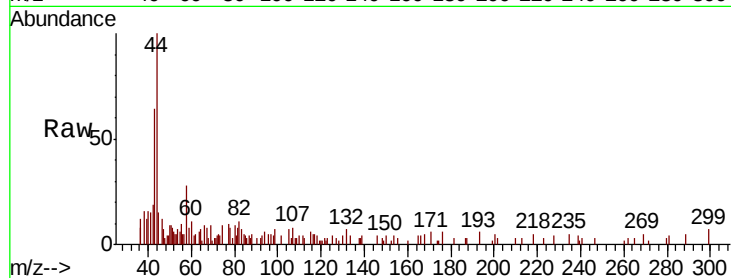




#16
Acetone
Concen: 0.943 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007020.D
Acq: 11 Jan 2019 18:10

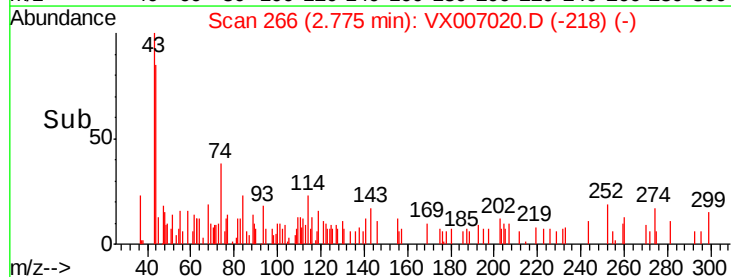
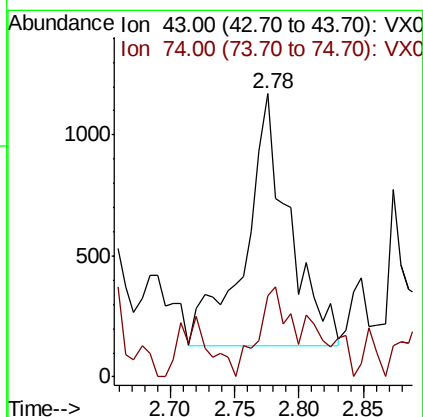
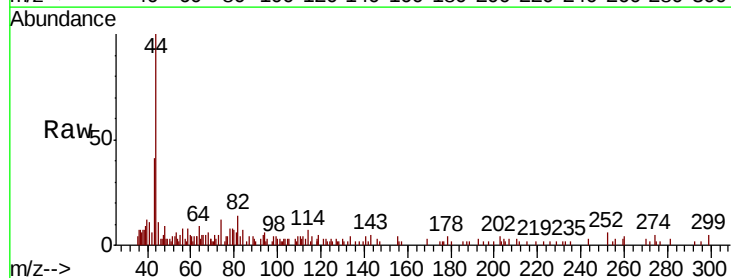
Instrument :
MSVOA_X
ClientSampleId :
WP022MW004-190109

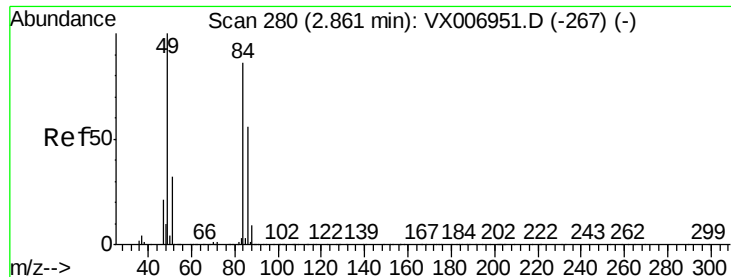
Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
58 44.5 25.0 37.6#



#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007020.D
Acq: 11 Jan 2019 18:10

Tgt Ion: 43 Resp: 2420
Ion Ratio Lower Upper
43 100
74 26.1 18.6 28.0

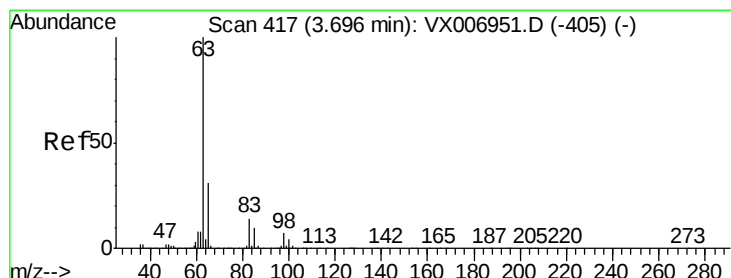
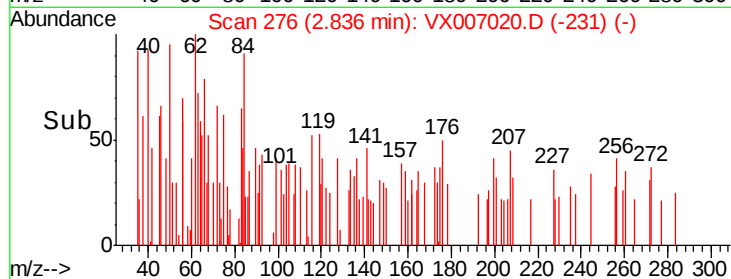
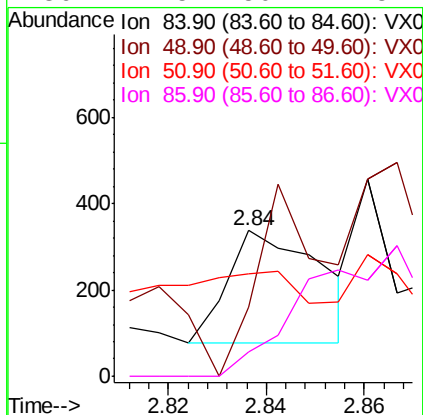
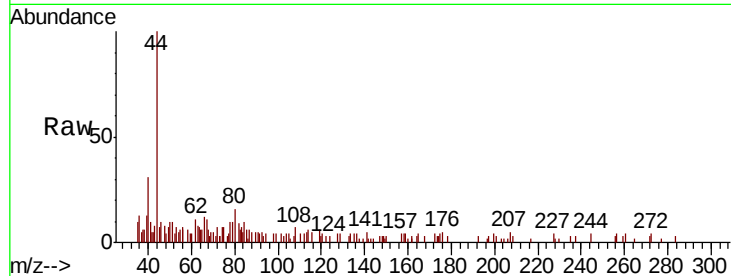




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX007020.D
Acq: 11 Jan 2019 18:10

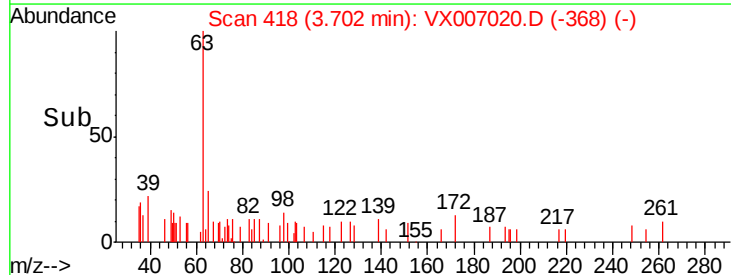
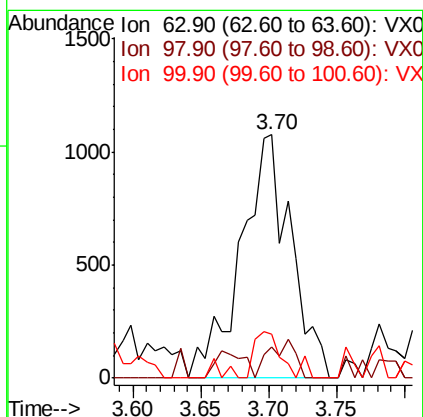
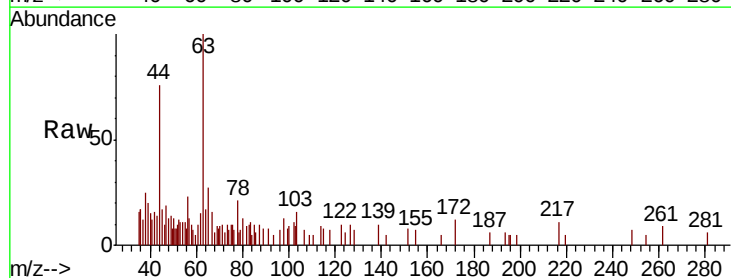
Instrument :
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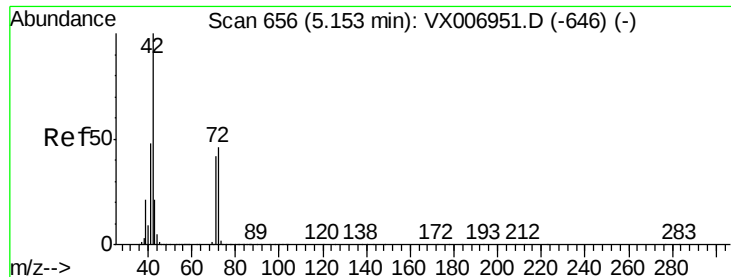
Tgt Ion:	84	Resp:	344
Ion	Ratio	Lower	Upper
84	100		
49	7.3	91.8	137.6#
51	25.3	28.5	42.7#
86	21.5	50.2	75.2#



#24
1,1-Dichloroethane
Concen: 0.284 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX007020.D
Acq: 11 Jan 2019 18:10

Tgt Ion:	63	Resp:	2762
Ion	Ratio	Lower	Upper
63	100		
98	12.9	3.9	11.5#
100	17.8	2.4	7.2#





#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-190109

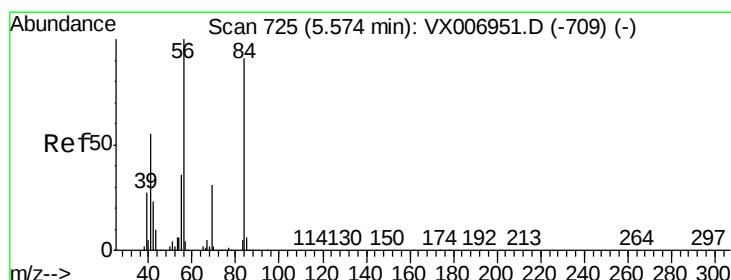
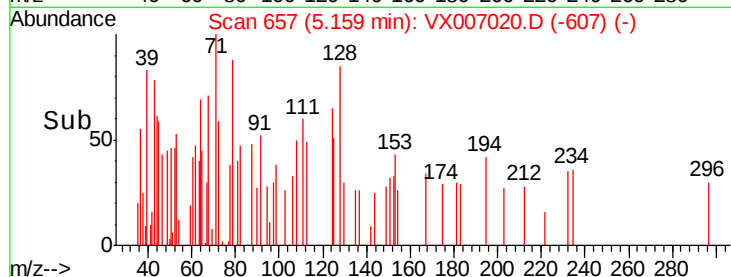
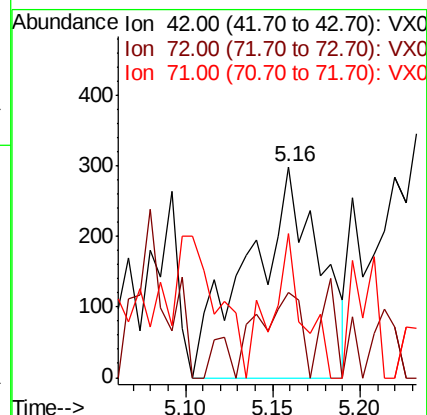
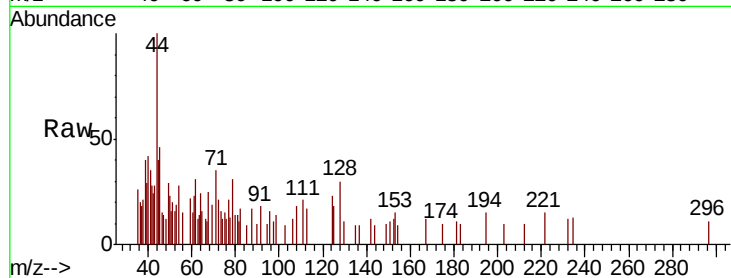
Tgt Ion: 42 Resp: 841

Ion Ratio Lower Upper

42 100

72 24.3 38.9 58.3#

71 30.9 36.2 54.4#



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

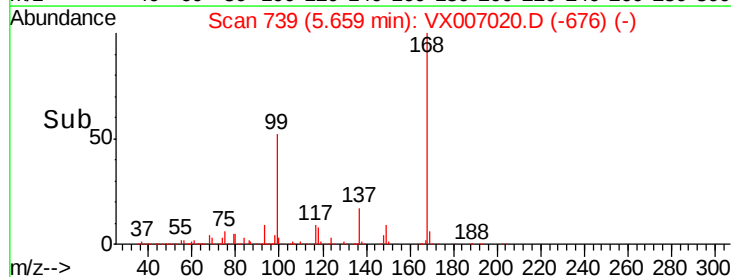
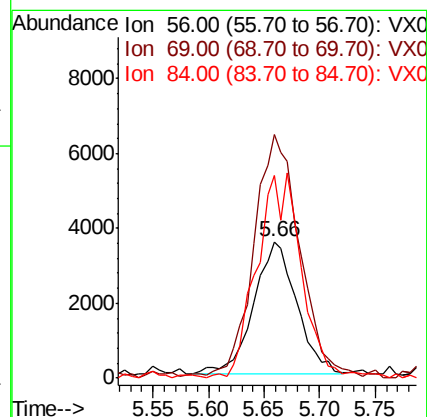
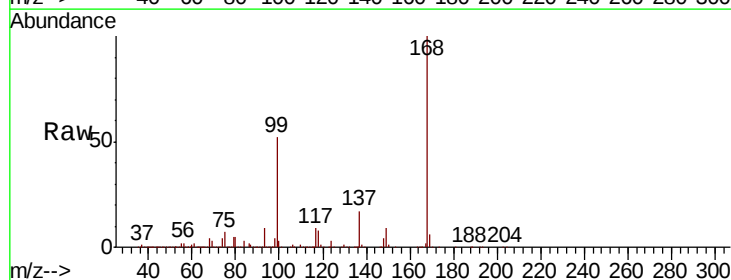
Tgt Ion: 56 Resp: 9646

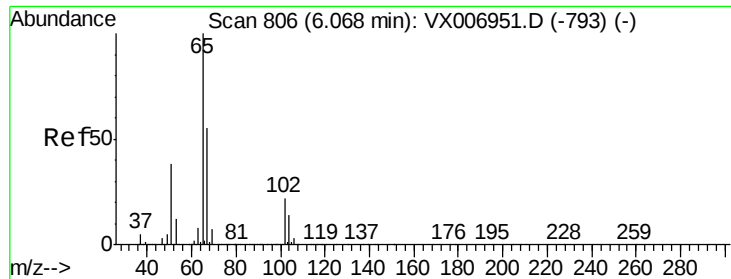
Ion Ratio Lower Upper

56 100

69 182.1 24.4 36.6#

84 153.0 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.292 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

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ClientSampleId :

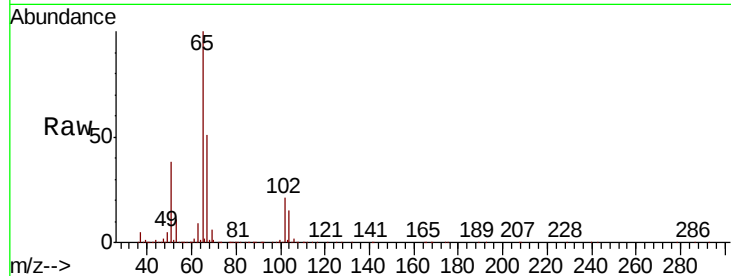
WP022MW004-190109

Tgt Ion: 65 Resp: 314804

Ion Ratio Lower Upper

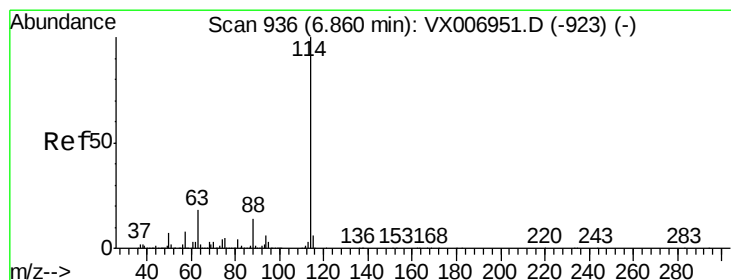
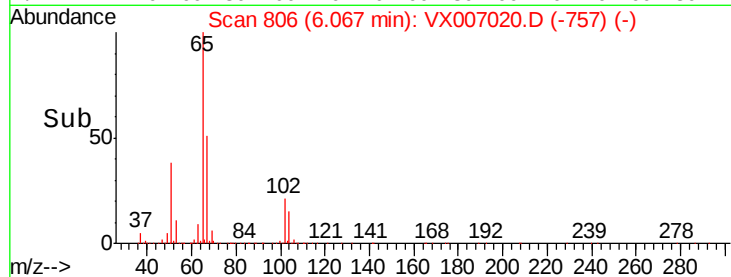
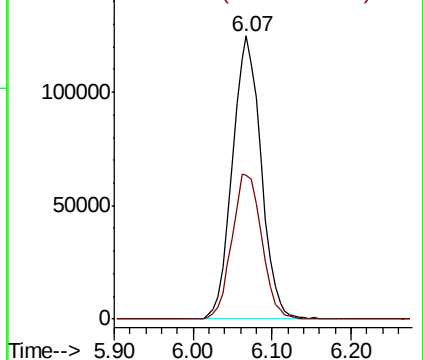
65 100

67 53.6 0.0 105.0



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: VX007020.D

Acq: 11 Jan 2019 18:10

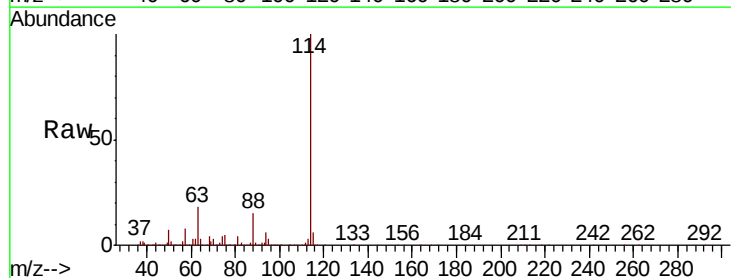
Tgt Ion: 114 Resp: 914110

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

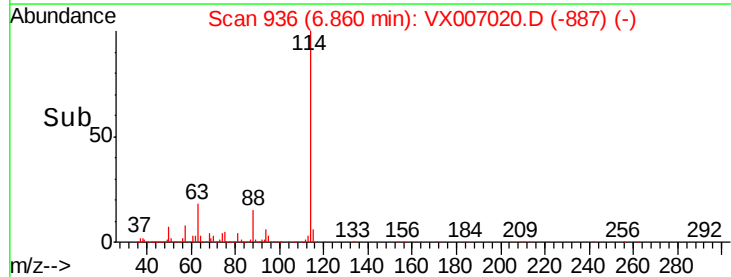
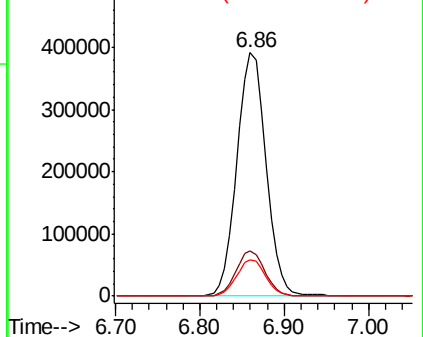
88 15.1 0.0 28.8

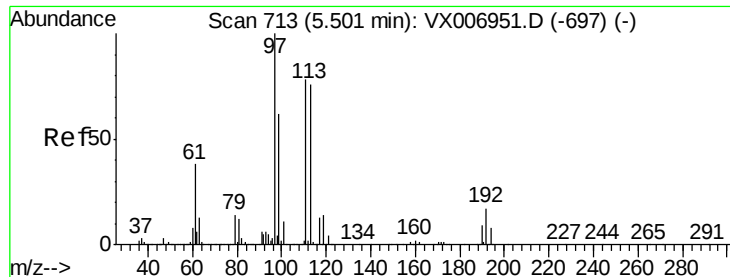


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.523 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-190109

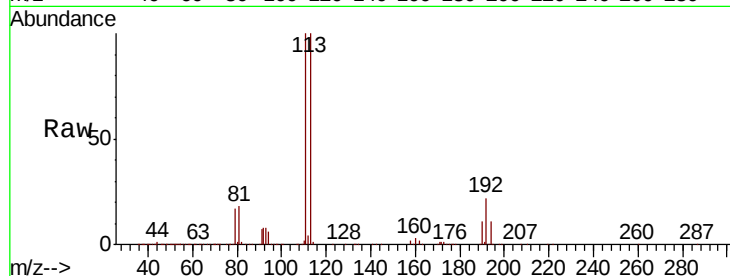
Tgt Ion:113 Resp: 278198

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

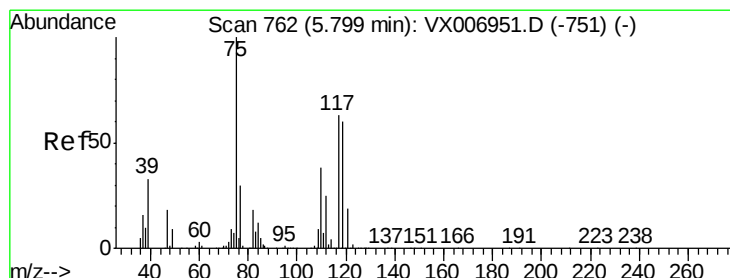
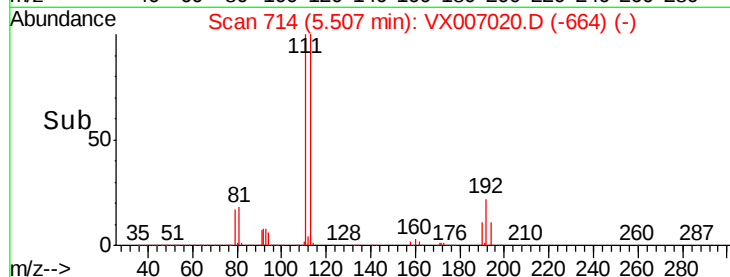
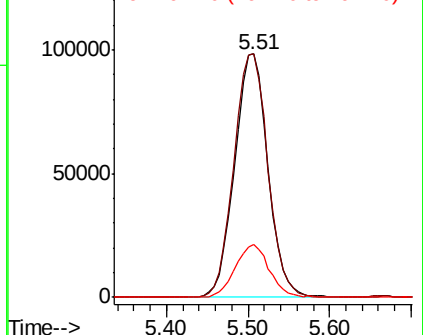
192 22.1 16.7 25.1



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: 4.629 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

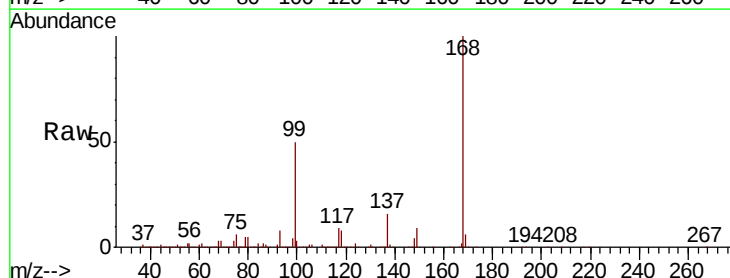
Tgt Ion: 75 Resp: 36790

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

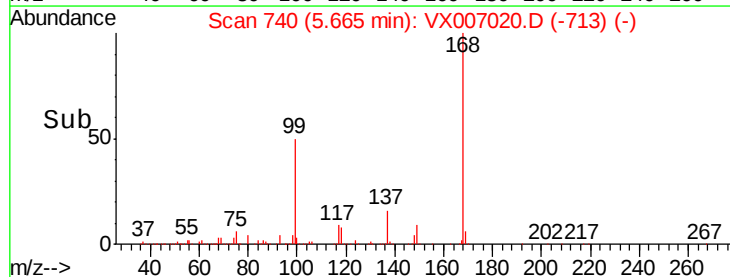
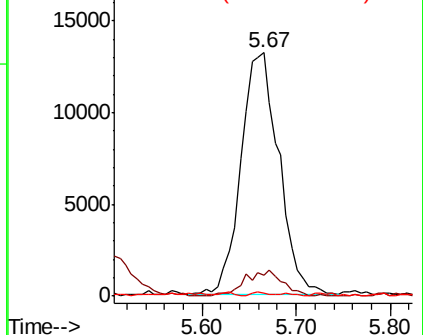
77 0.6 24.8 37.2#

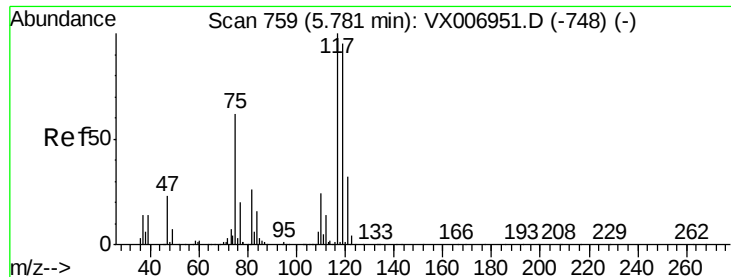


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.691 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

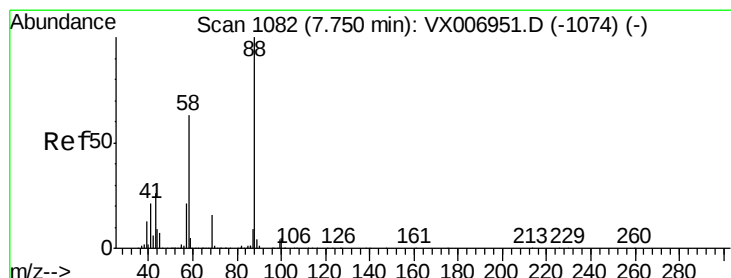
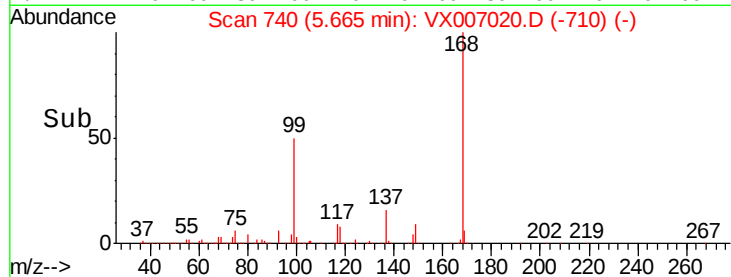
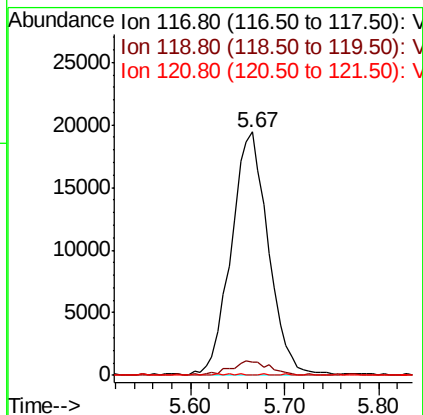
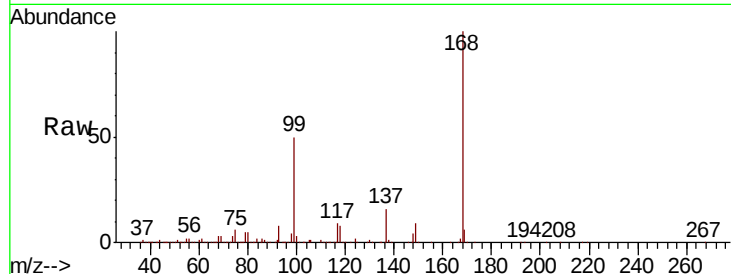
MSVOA_X

ClientSampleId :

WP022MW004-190109

Tgt Ion: 117 Resp: 53505

Ion	Ratio	Lower	Upper
117	100		
119	5.4	79.4	119.2#
121	0.0	24.0	36.0#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1080

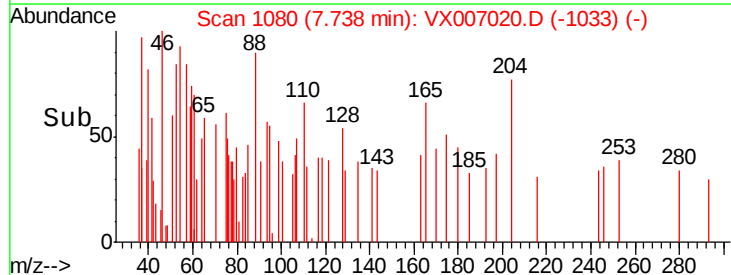
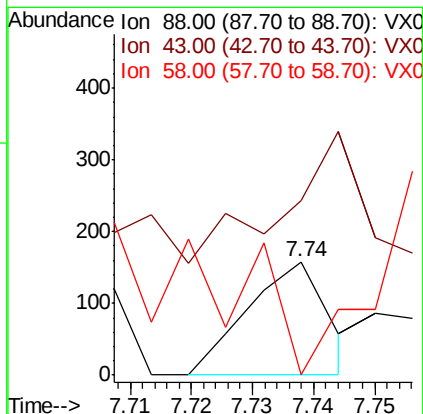
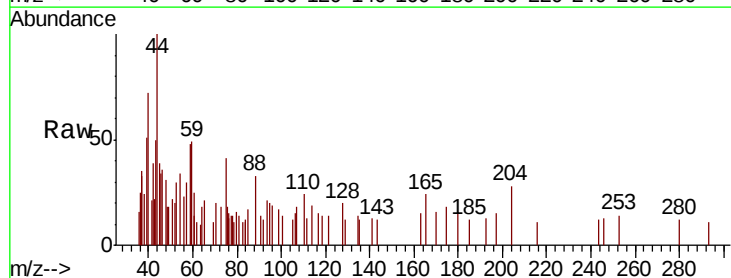
Delta R.T. -0.01 min

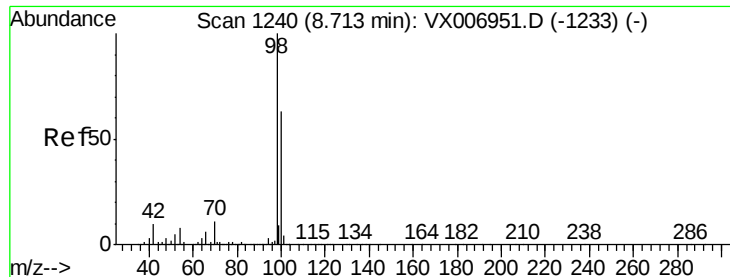
Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Tgt Ion: 88 Resp: 143

Ion	Ratio	Lower	Upper
88	100		
43	85.3	22.2	33.4#
58	0.0	51.0	76.4#





#50

Toluene-d8

Concen: 51.085 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

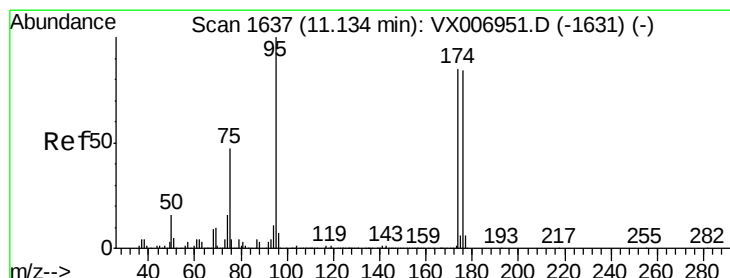
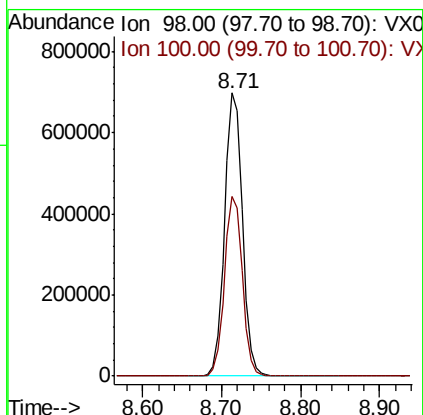
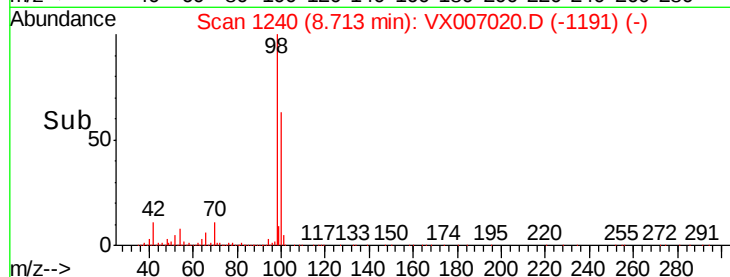
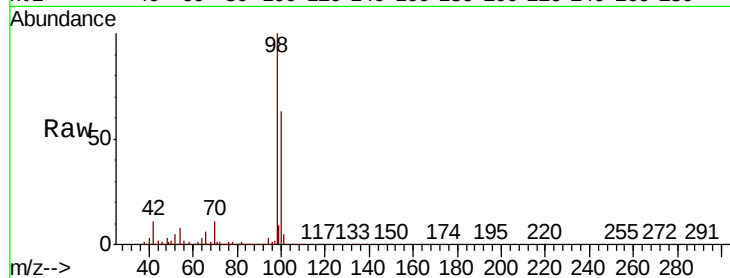
WP022MW004-190109

Tgt Ion: 98 Resp: 1094595

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.681 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

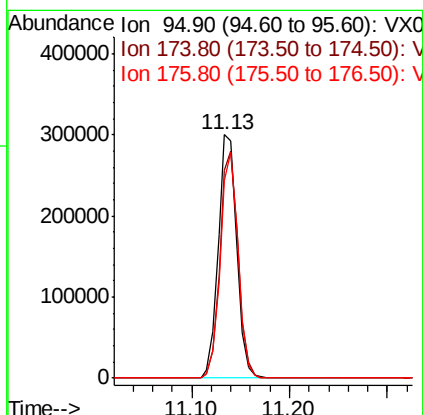
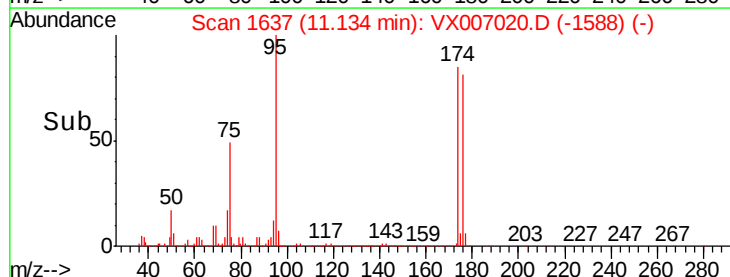
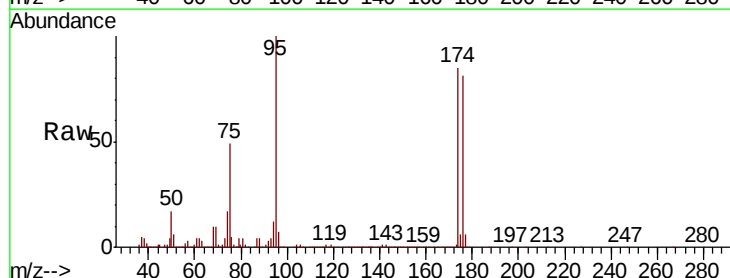
Tgt Ion: 95 Resp: 393529

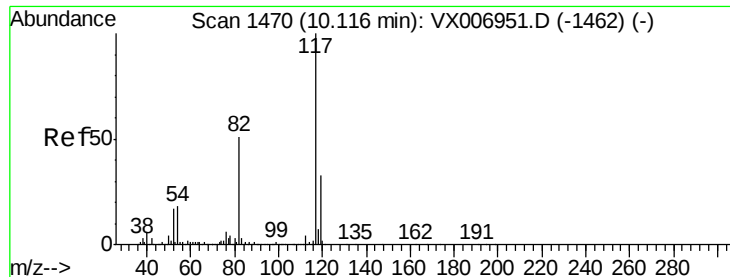
Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.2

176 89.1 0.0 178.8

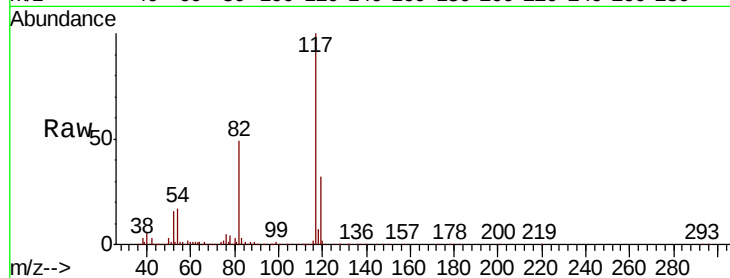




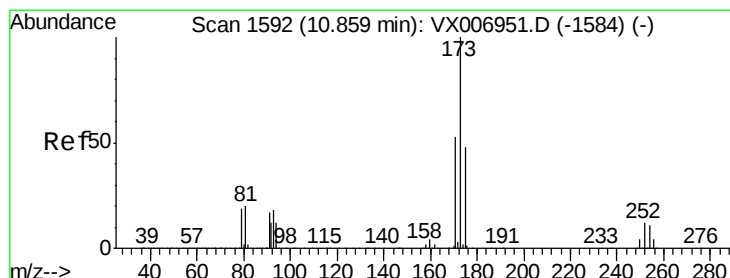
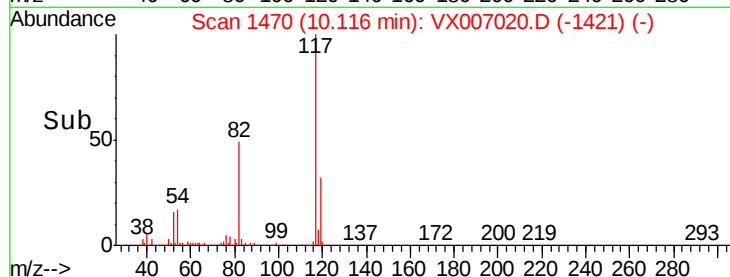
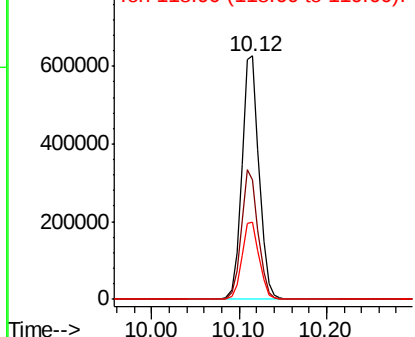
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007020.D
Acq: 11 Jan 2019 18:10

Instrument :
MSVOA_X
ClientSampleId :
WP022MW004-190109

Tgt Ion:117 Resp: 855213
Ion Ratio Lower Upper
117 100
82 49.1 41.0 61.6
119 31.8 25.4 38.0

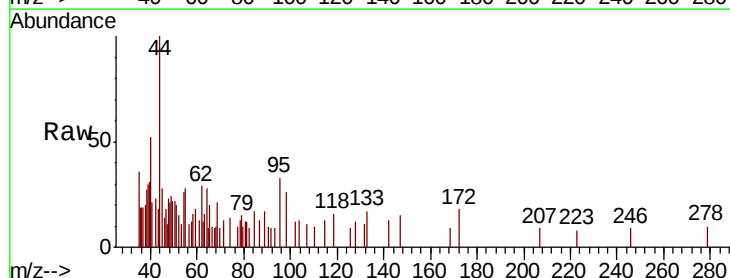


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

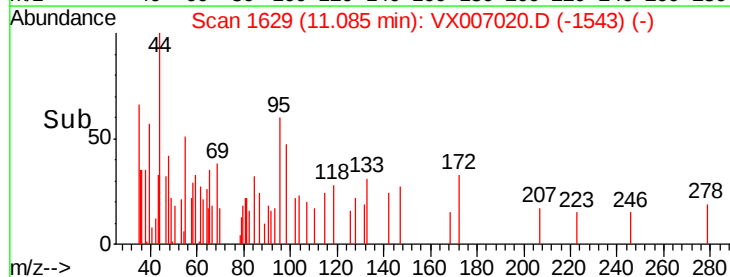
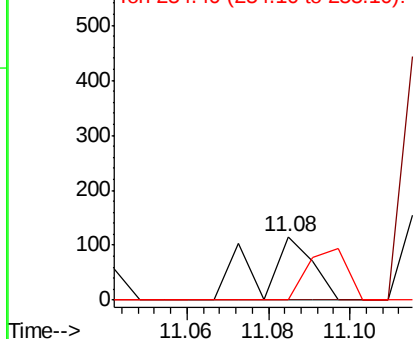


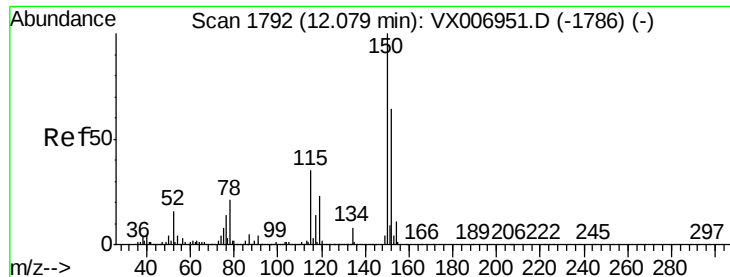
#71
Bromoform
Concen: 4.745 ug/l
RT: 11.08 min Scan# 1629
Delta R.T. 0.23 min
Lab File: VX007020.D
Acq: 11 Jan 2019 18:10

Tgt Ion:173 Resp: 106
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 59.4 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-190109

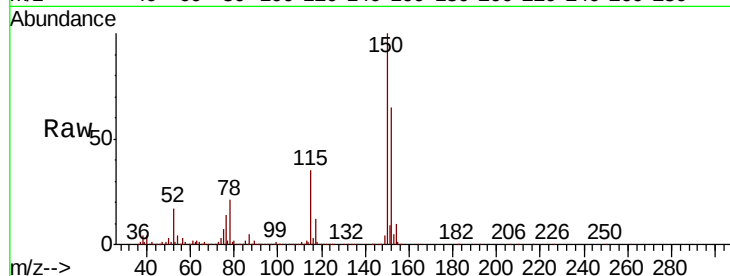
Tgt Ion: 152 Resp: 422964

Ion Ratio Lower Upper

152 100

115 55.2 39.1 117.2

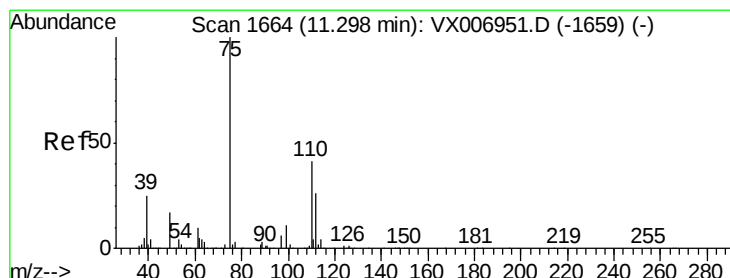
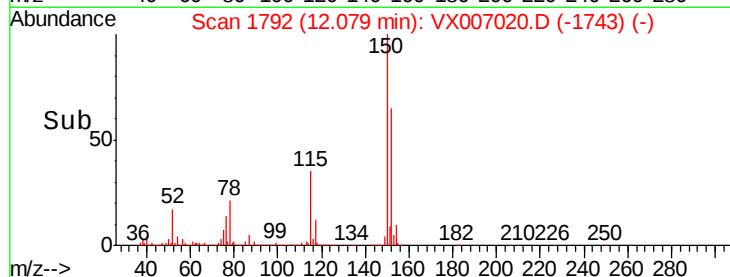
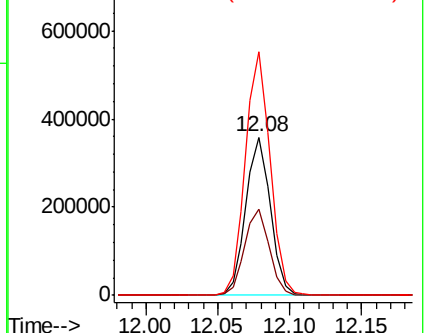
150 155.3 0.0 344.8



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: 21.799 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007020.D

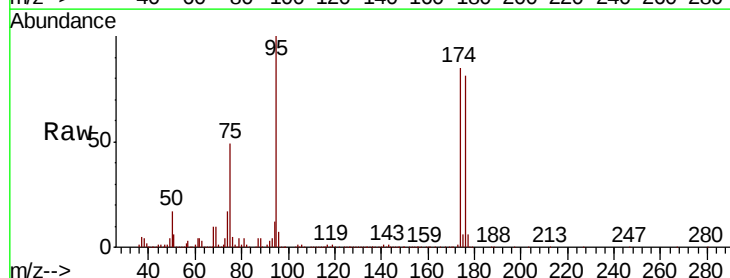
Acq: 11 Jan 2019 18:10

Tgt Ion: 75 Resp: 186845

Ion Ratio Lower Upper

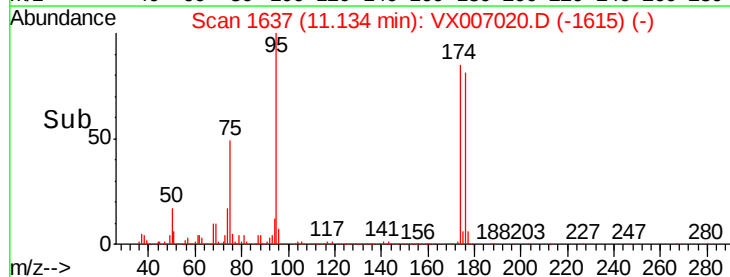
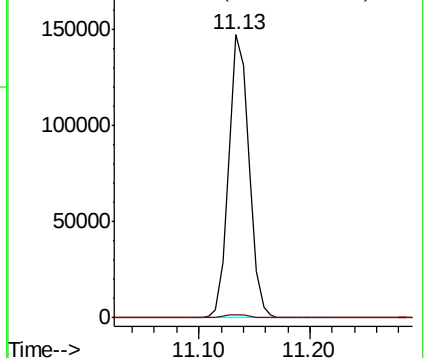
75 100

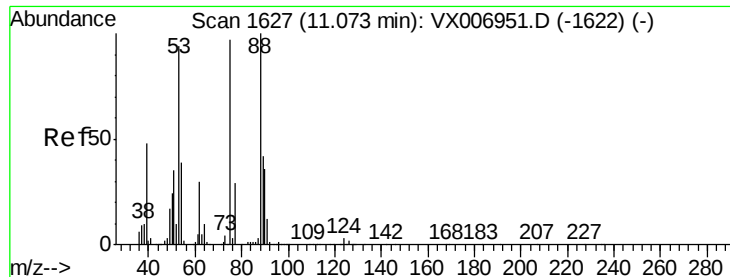
77 1.5 18.5 55.5#



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: 64.593 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-190109

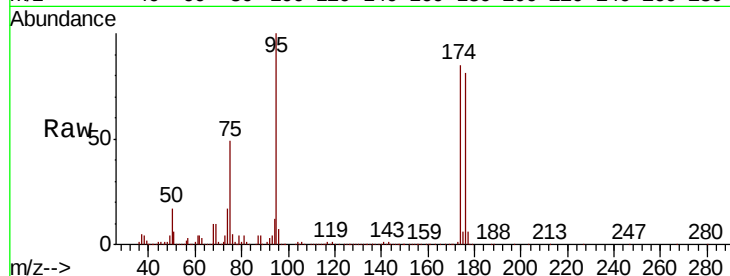
Tgt Ion: 75 Resp: 186845

Ion Ratio Lower Upper

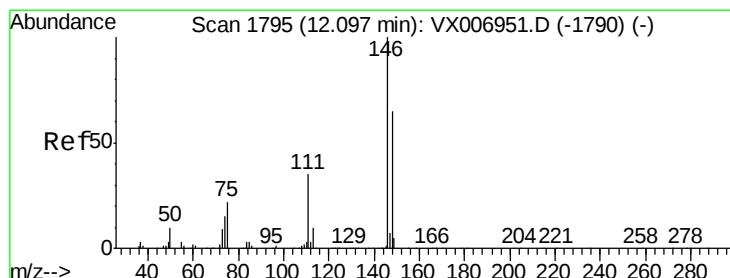
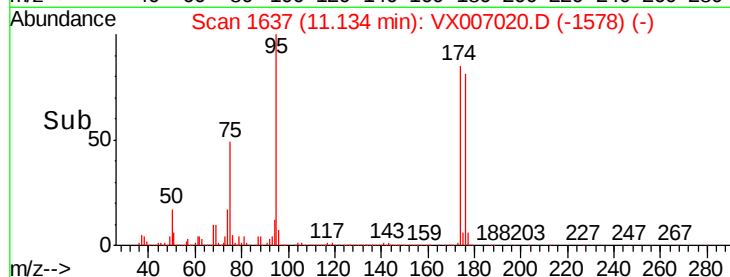
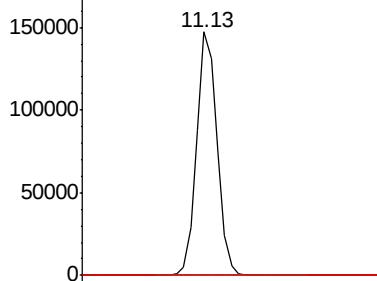
75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#



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



#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.02 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

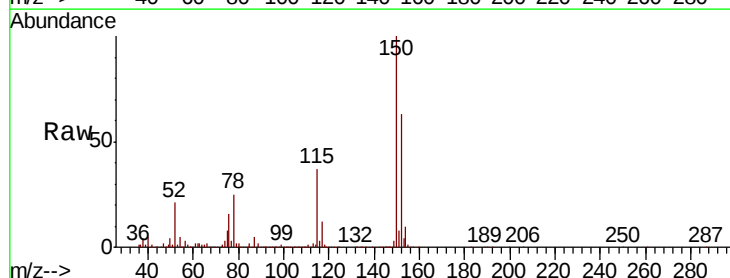
Tgt Ion: 146 Resp: 792

Ion Ratio Lower Upper

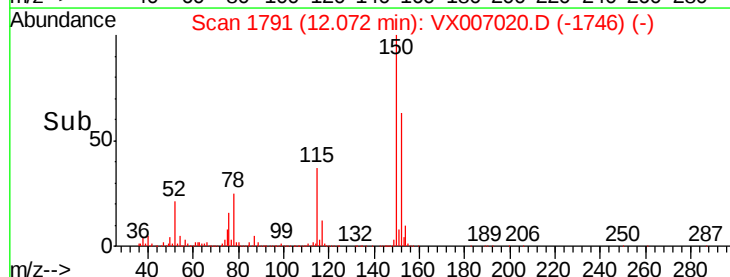
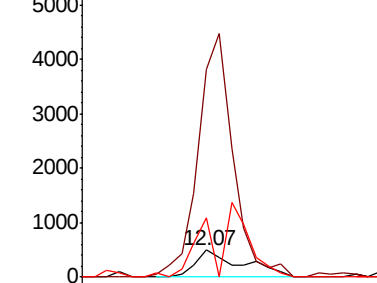
146 100

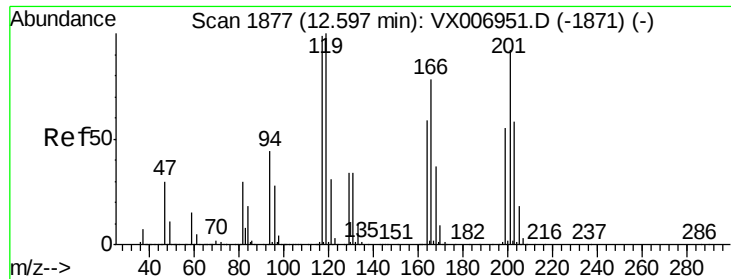
111 0.0 18.1 54.1#

148 89.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.913 ug/l

RT: 12.58 min Scan# 1874

Delta R.T. -0.02 min

Lab File: VX007020.D

Acq: 11 Jan 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

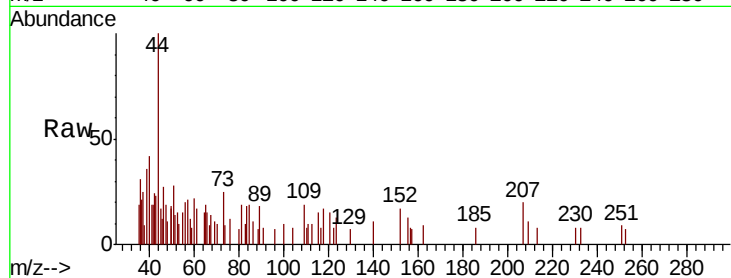
WP022MW004-190109

Tgt Ion:117 Resp: 21

Ion Ratio Lower Upper

117 100

201 85.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

