

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011419\
 Data File : VX007034.D
 Acq On : 14 Jan 2019 12:56
 Operator : JC/SP
 Sample : K1133-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-190110

Quant Time: Jan 15 09:12:20 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	594703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	898486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	829810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	394949	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	305607	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.50	113	277551	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	1079731	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	376196	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

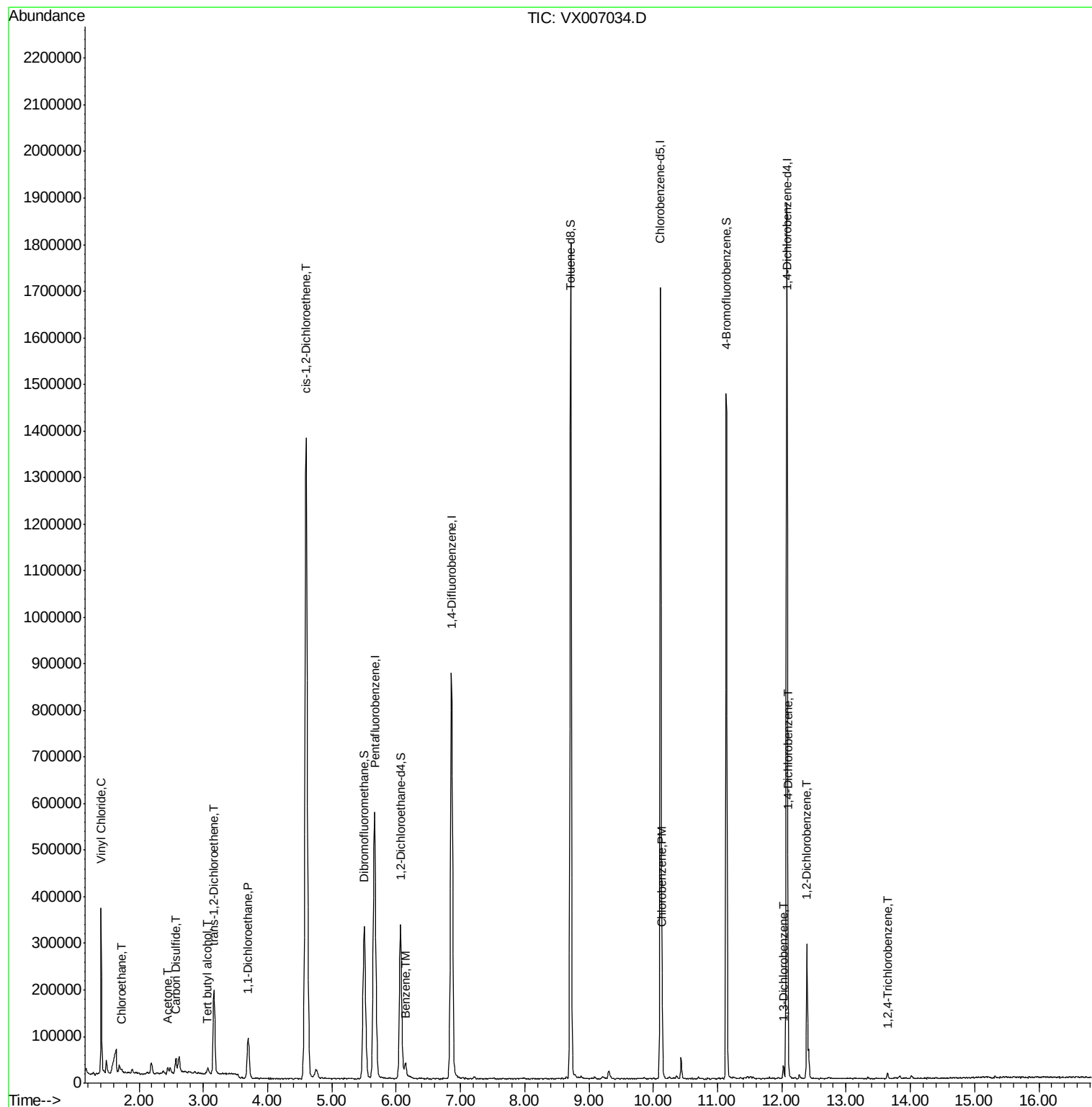
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	214803	35.124	ug/l	99
6) Chloroethane	1.73	64	6333	1.483	ug/l	96
11) Tert butyl alcohol	3.07	59	16956	11.565	ug/l	96
16) Acetone	2.45	43	14475	4.711	ug/l #	88
17) Carbon Disulfide	2.57	76	41605	2.957	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	76201	12.510	ug/l	99
24) 1,1-Dichloroethane	3.70	63	96625	9.812	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	926196	137.857	ug/l	92
40) Benzene	6.15	78	40020	1.679	ug/l	99
65) Chlorobenzene	10.14	112	62978	3.480	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	8646	0.623	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	29874	2.412	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	96453	7.047	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	2898	0.309	ug/l	98

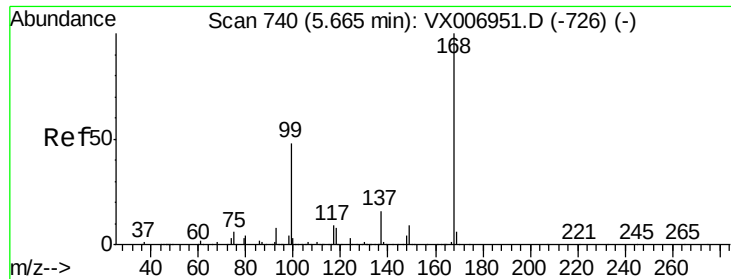
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

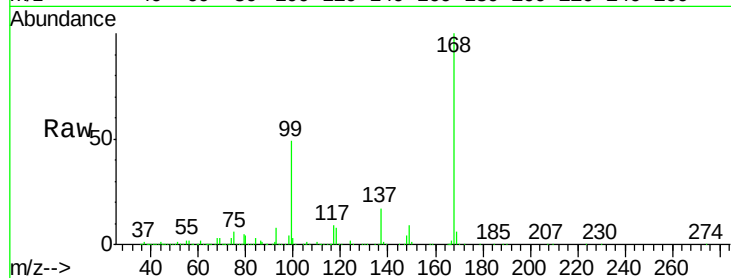
WP022RW349-190110

Tot Ion:168 Resp: 594703

Ion Ratio Lower Upper

168 100

99 48.9 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

200000

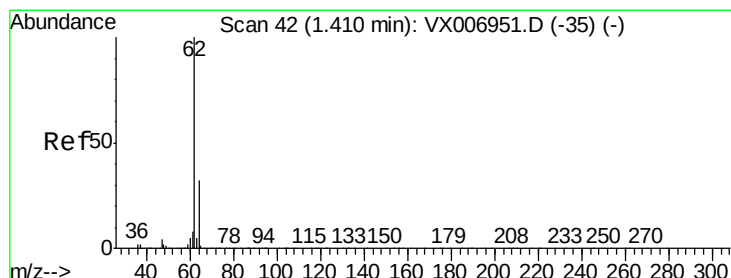
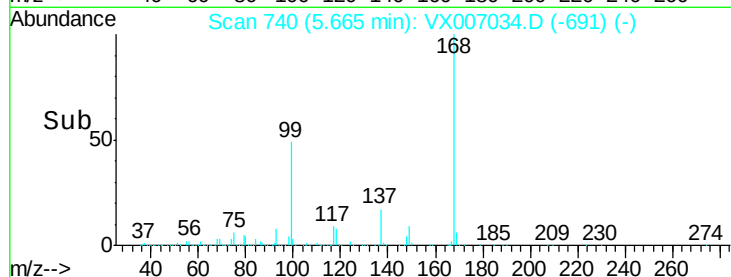
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 35.124 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007034.D

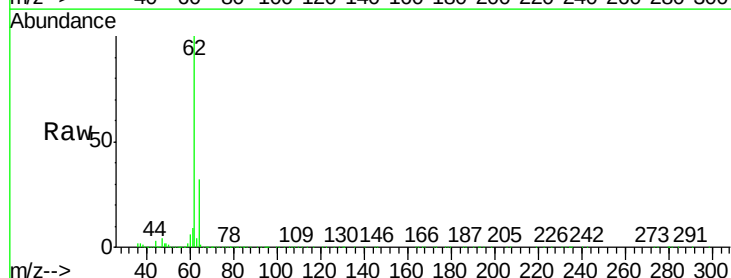
Acq: 14 Jan 2019 12:56

Tgt Ion: 62 Resp: 214803

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

200000

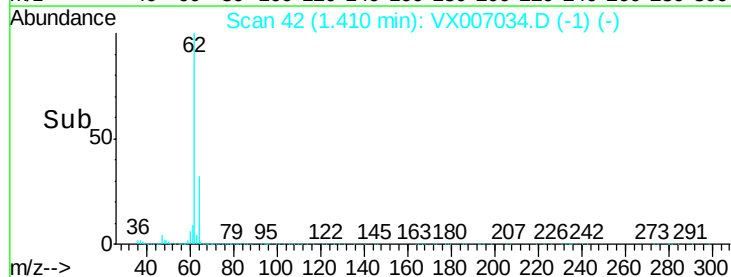
150000

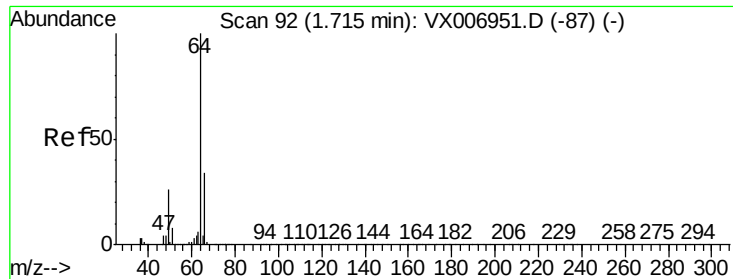
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#6

Chloroethane

Concen: 1.483 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

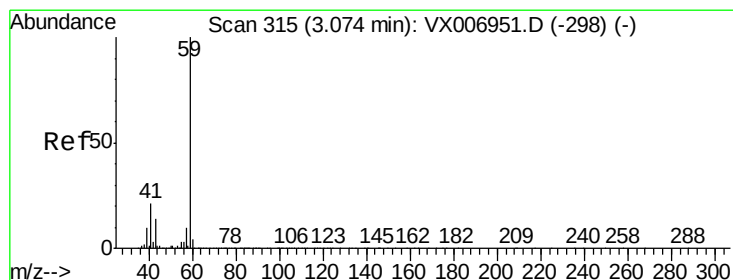
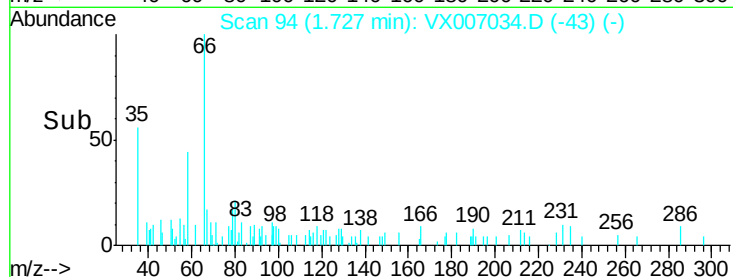
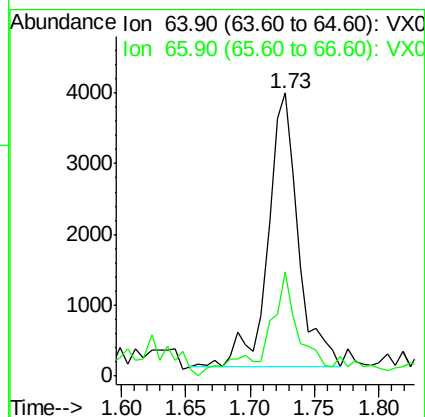
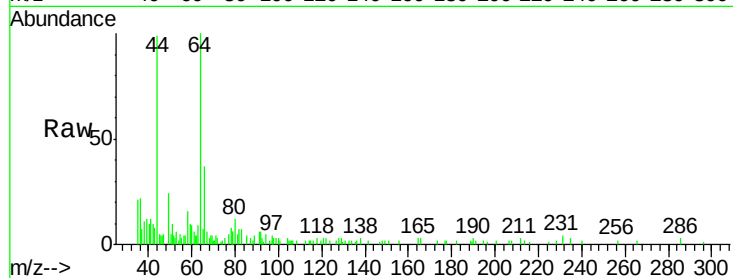
WP022RW349-190110

Tot Ion: 64 Resp: 6333

Ion Ratio Lower Upper

64 100

66 35.4 26.4 39.6



#11

Tert butyl alcohol

Concen: 11.565 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007034.D

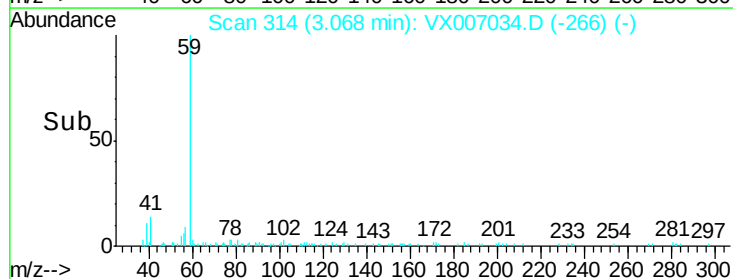
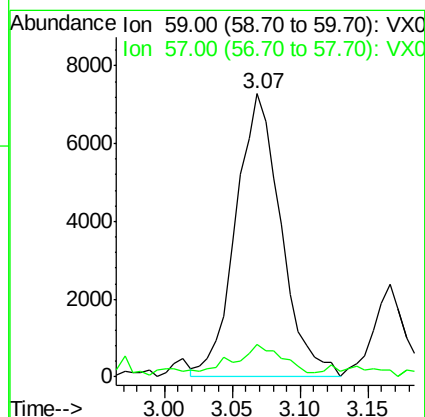
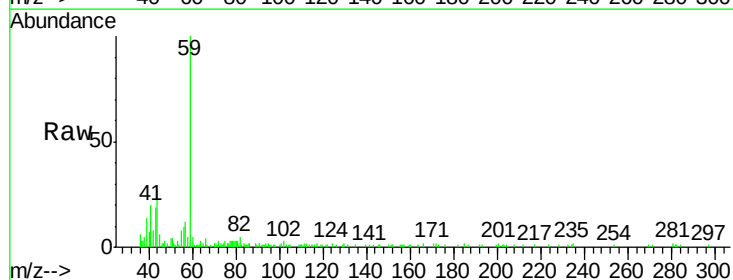
Acq: 14 Jan 2019 12:56

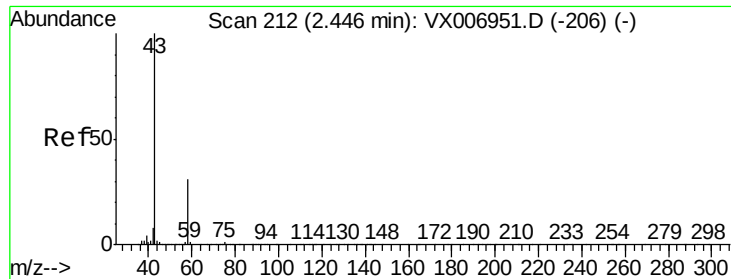
Tgt Ion: 59 Resp: 16956

Ion Ratio Lower Upper

59 100

57 9.2 8.5 12.7





#16

Acetone

Concen: 4.711 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

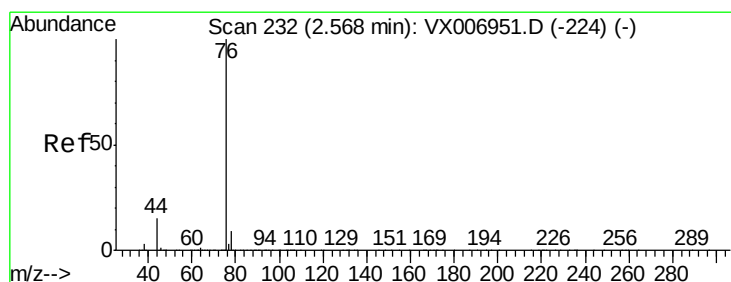
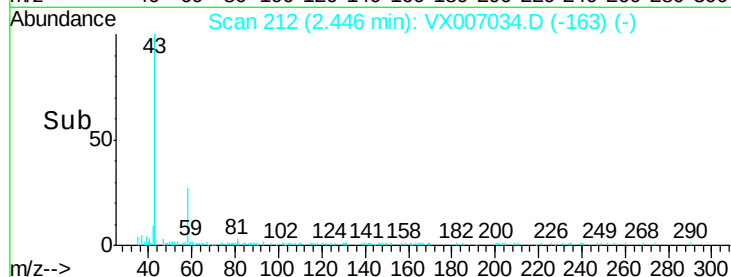
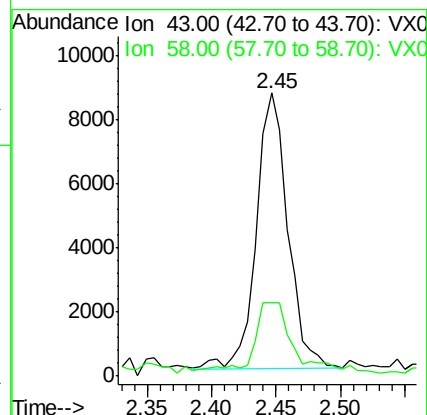
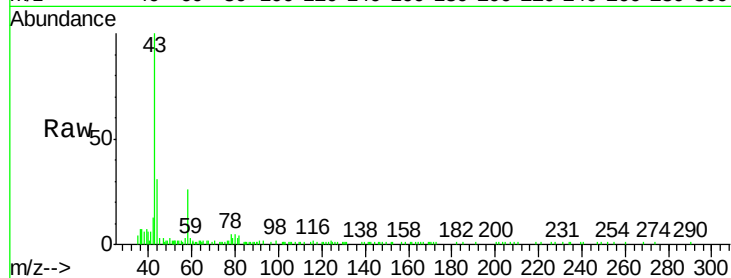
WP022RW349-190110

Tot Ion: 43 Resp: 14475

Ion Ratio Lower Upper

43 100

58 24.8 25.0 37.6#



#17

Carbon Disulfide

Concen: 2.957 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007034.D

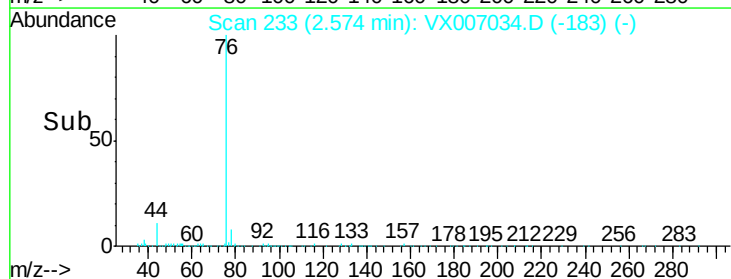
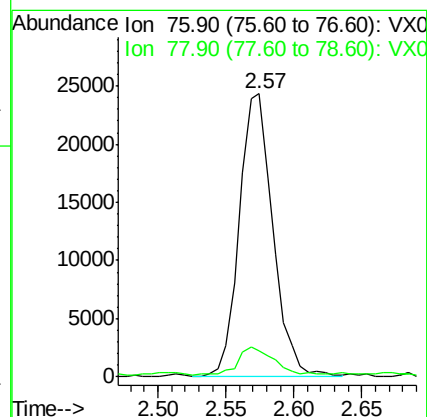
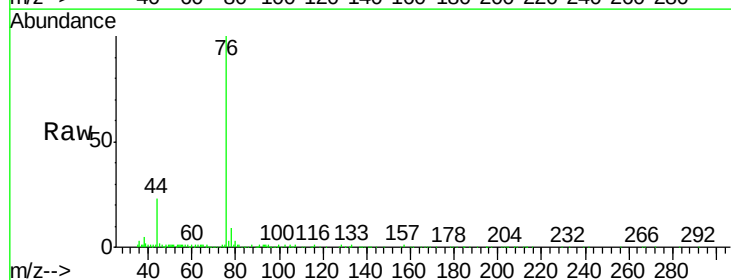
Acq: 14 Jan 2019 12:56

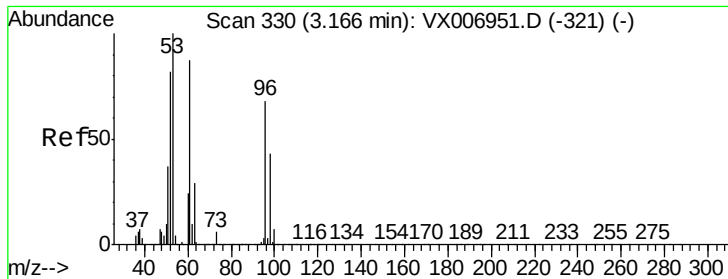
Tgt Ion: 76 Resp: 41605

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6





#21

trans-1,2-Dichloroethene

Concen: 12.510 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-190110

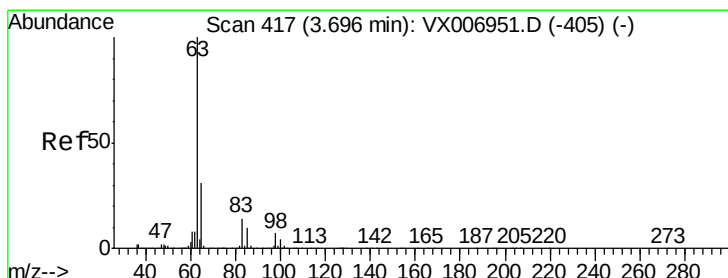
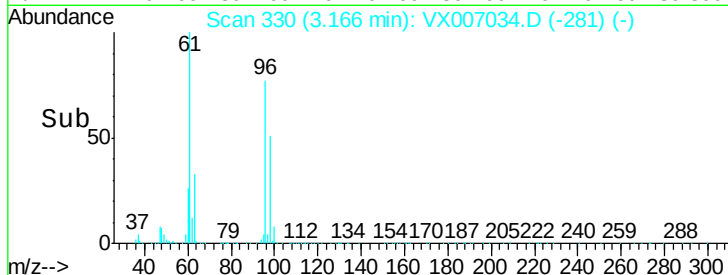
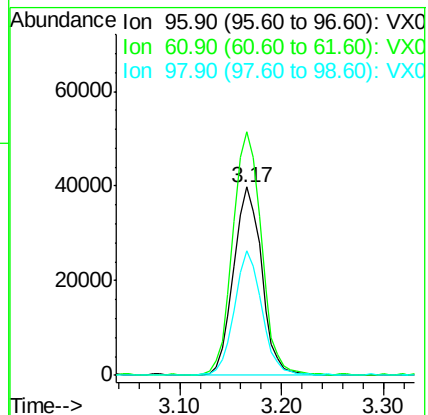
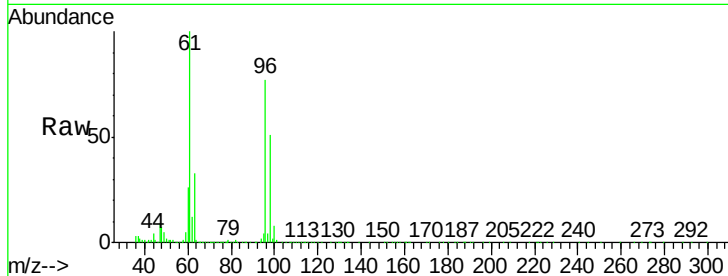
Tot Ion: 96 Resp: 76201

Ion Ratio Lower Upper

96 100

61 128.9 103.7 155.5

98 65.6 51.0 76.6



#24

1,1-Dichloroethane

Concen: 9.812 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

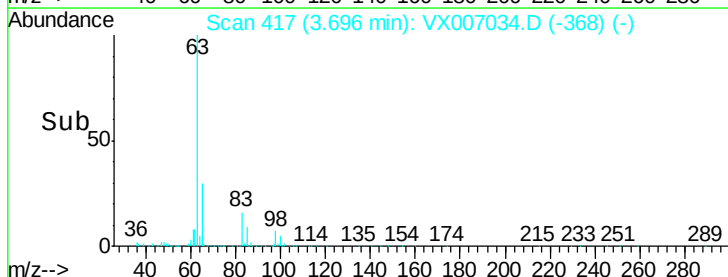
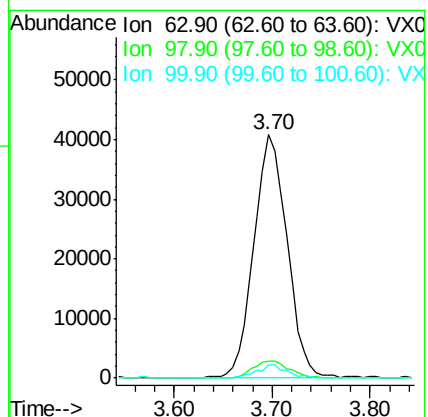
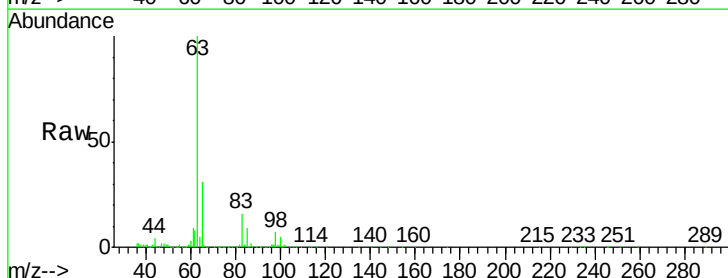
Tgt Ion: 63 Resp: 96625

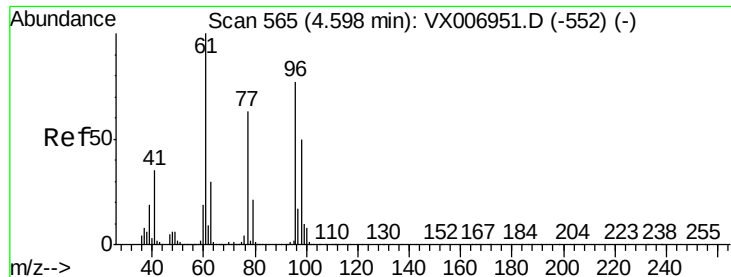
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 5.3 2.4 7.2



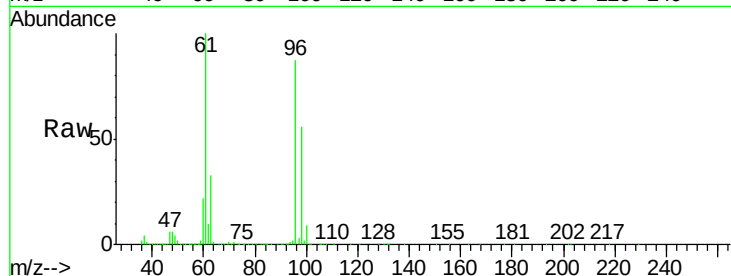


#27

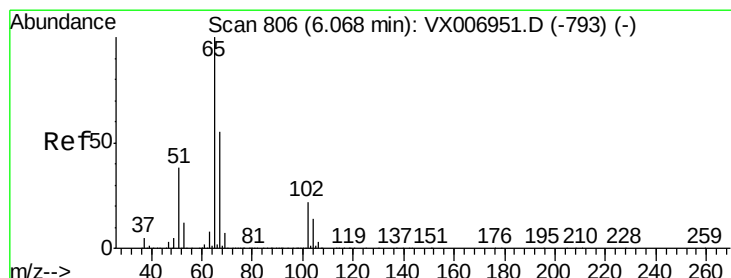
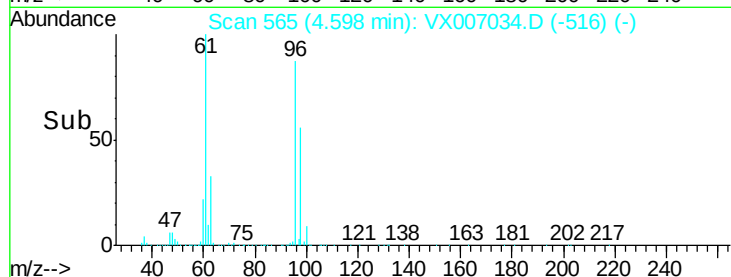
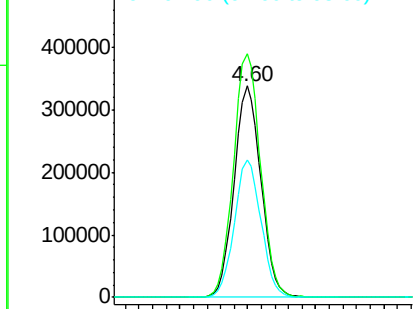
cis-1,2-Dichloroethene
 Concen: 137.857 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007034.D
 Acq: 14 Jan 2019 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-190110

Tot Ion	Ratio	Lower	Upper
96	100		
61	116.6	0.0	258.6
98	64.5	0.0	132.0



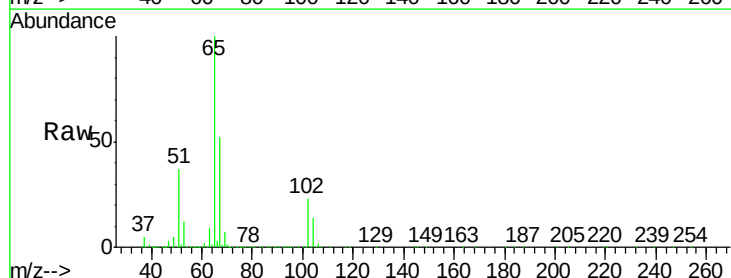
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



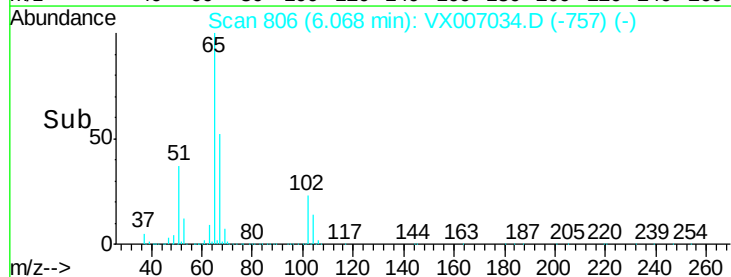
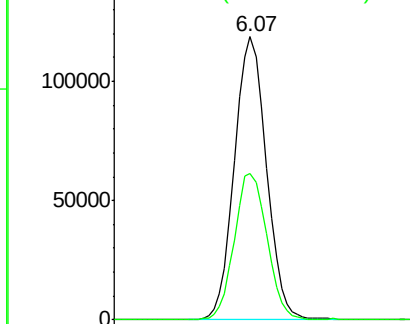
#33

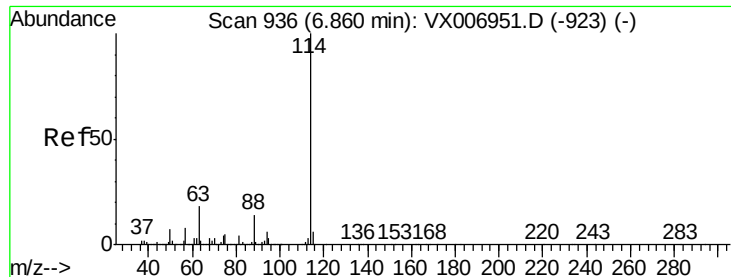
1,2-Dichloroethane-d4
 Concen: 49.171 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007034.D
 Acq: 14 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.8	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: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-190110

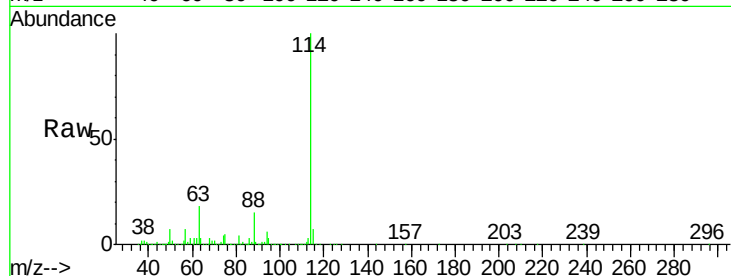
Tot Ion:114 Resp: 898486

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

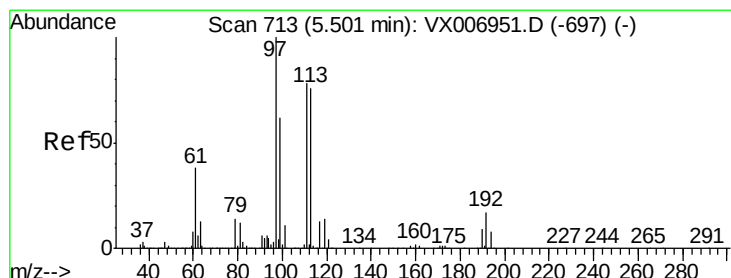
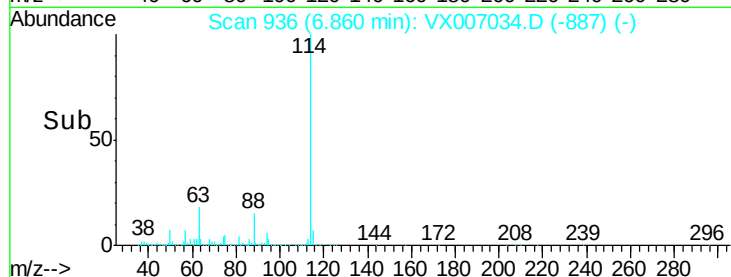
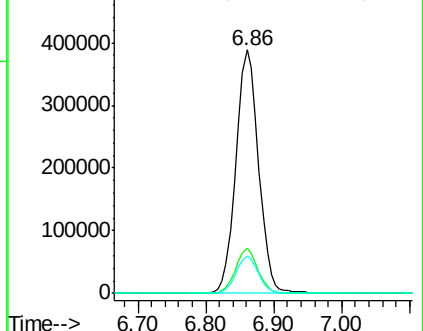
88 15.2 0.0 28.8



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: 48.237 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

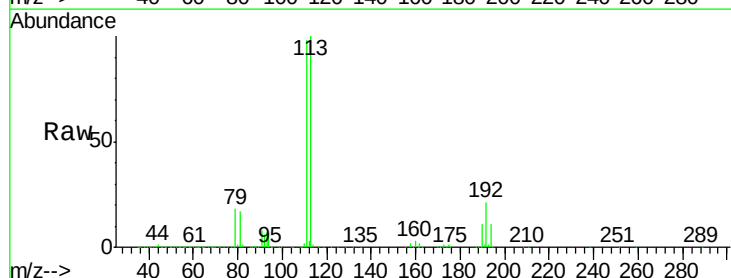
Tgt Ion:113 Resp: 277551

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

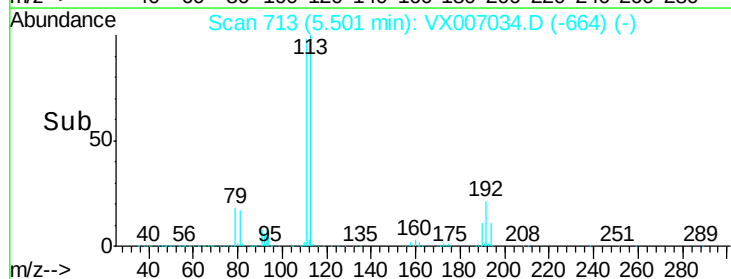
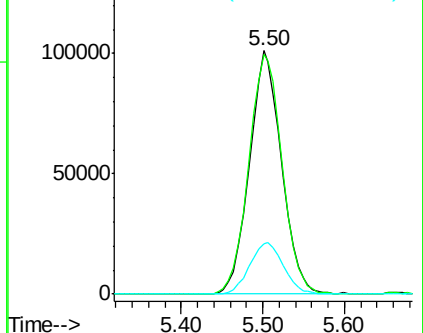
192 22.3 16.7 25.1

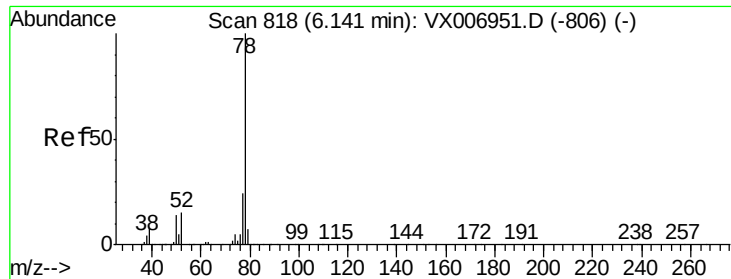


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.679 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

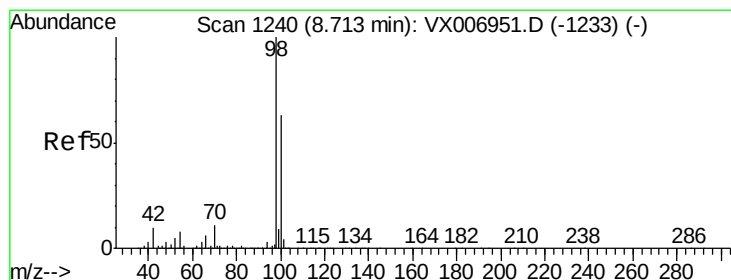
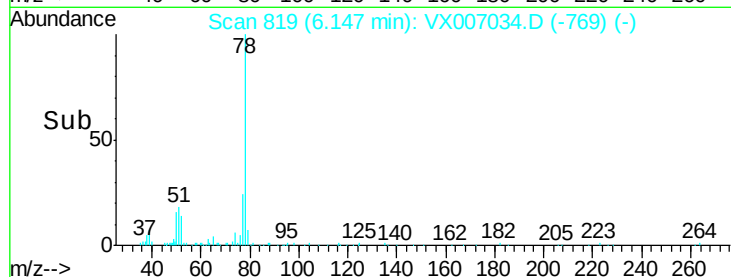
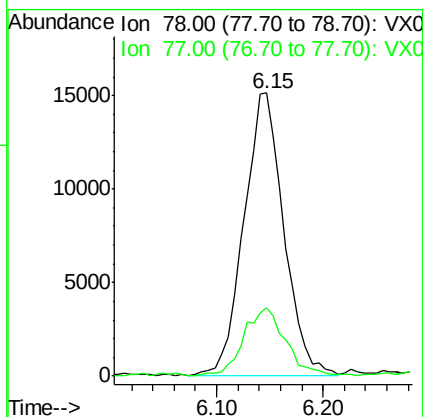
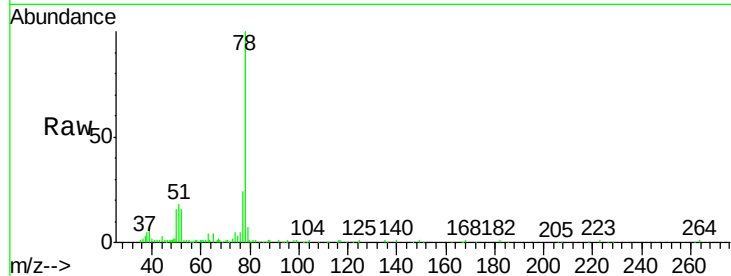
WP022RW349-190110

Tot Ion: 78 Resp: 40020

Ion Ratio Lower Upper

78 100

77 24.4 19.2 28.8



#50

Toluene-d8

Concen: 51.267 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007034.D

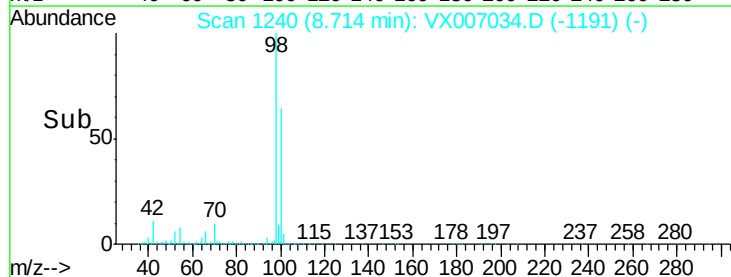
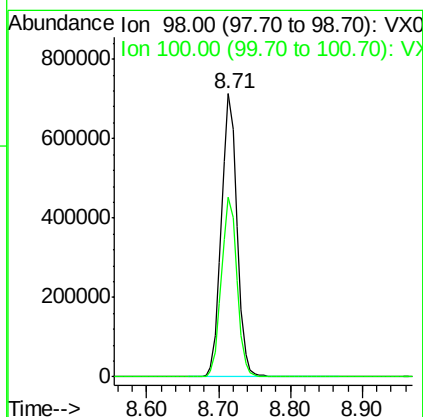
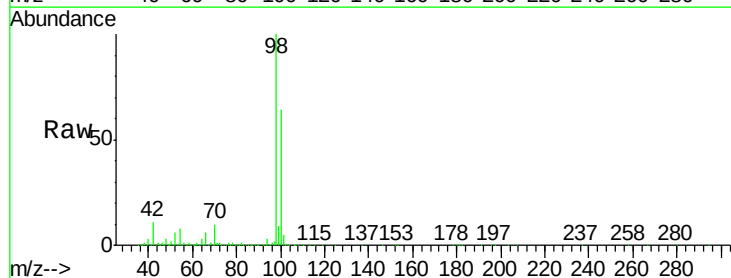
Acq: 14 Jan 2019 12:56

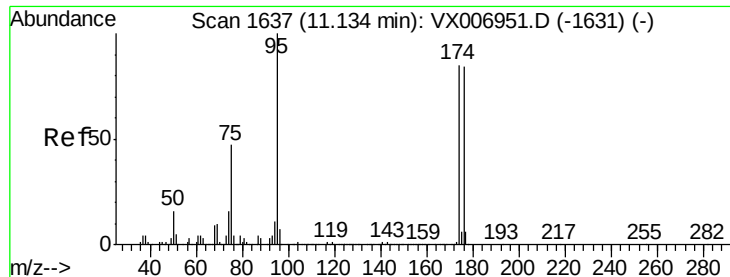
Tgt Ion: 98 Resp: 1079731

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 51.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-190110

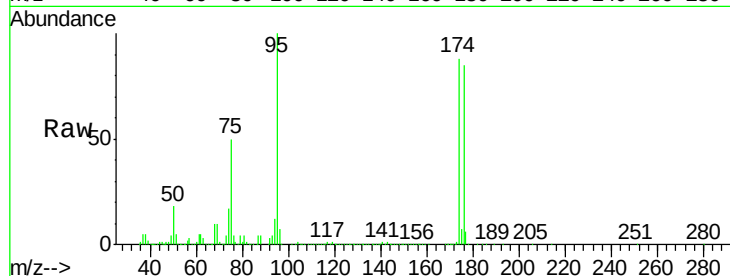
Tot Ion: 95 Resp: 376196

Ion Ratio Lower Upper

95 100

174 93.7 0.0 182.2

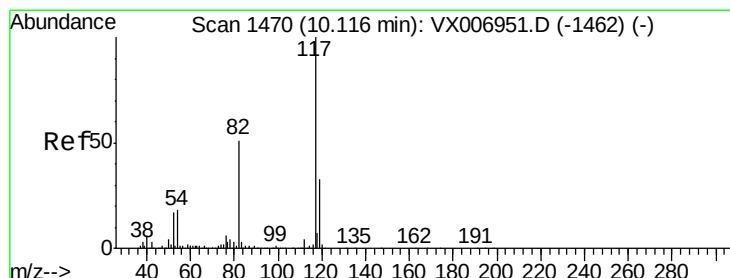
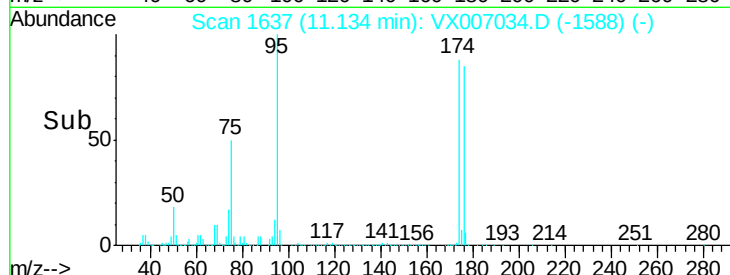
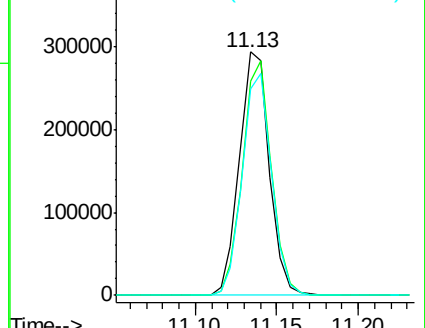
176 90.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

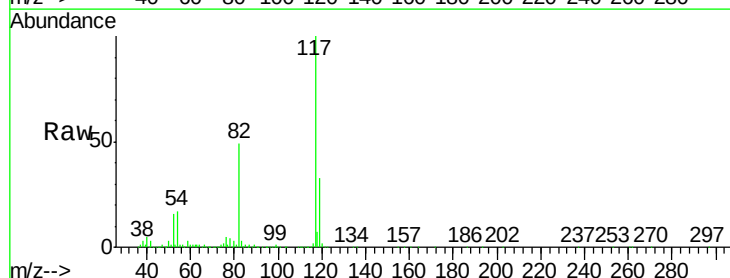
Tgt Ion: 117 Resp: 829810

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.6

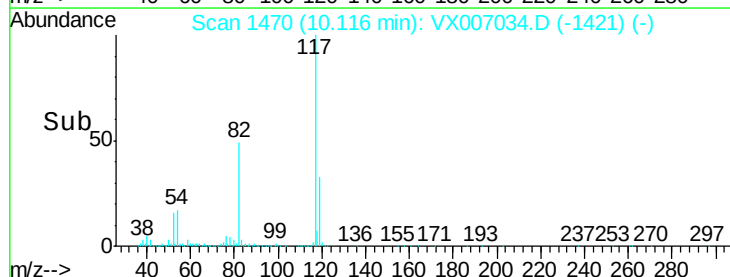
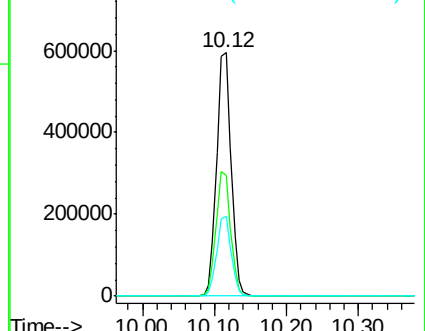
119 32.5 25.4 38.0

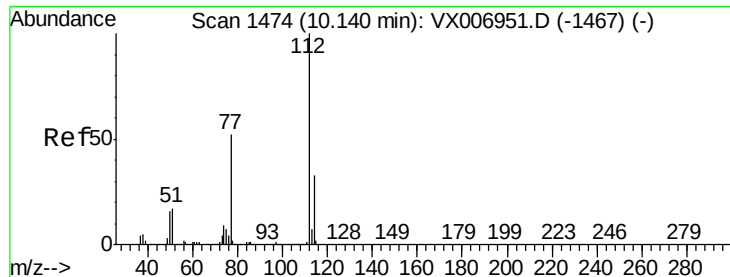


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#65

Chlorobenzene

Concen: 3.480 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

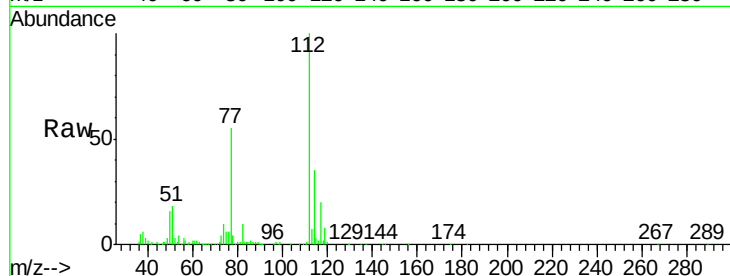
WP022RW349-190110

Tot Ion:112 Resp: 62978

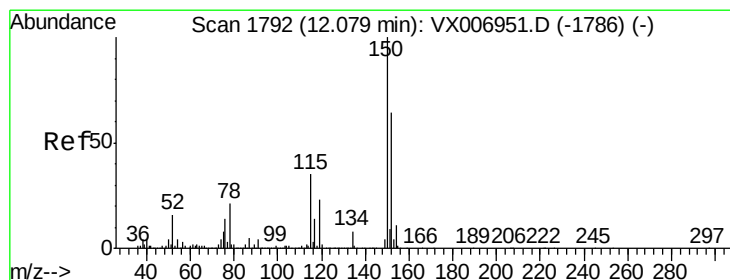
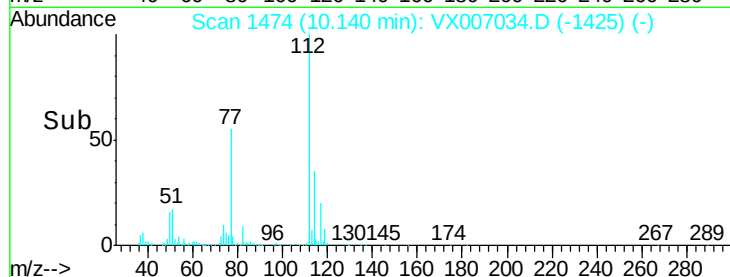
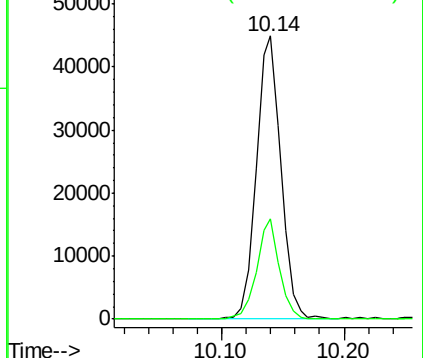
Ion Ratio Lower Upper

112 100

114 35.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007034.D

Acq: 14 Jan 2019 12:56

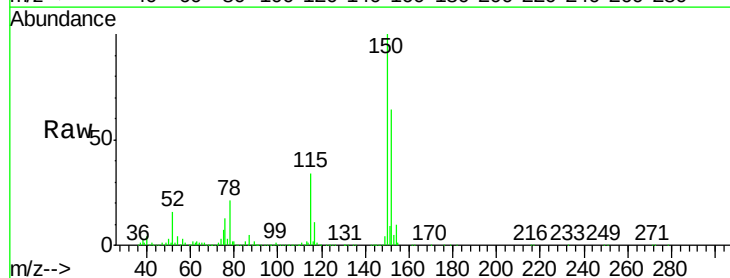
Tgt Ion:152 Resp: 394949

Ion Ratio Lower Upper

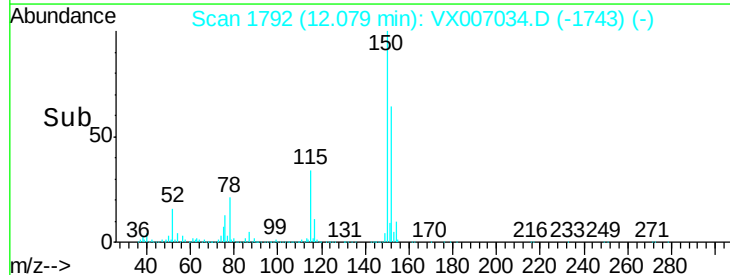
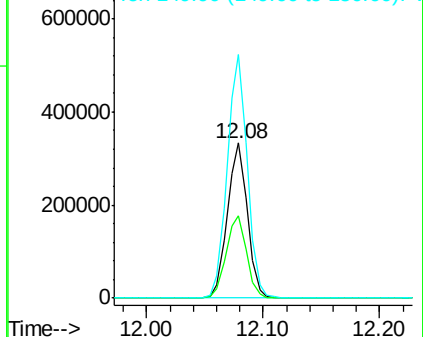
152 100

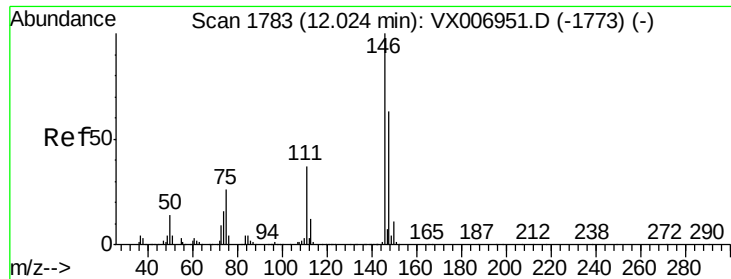
115 54.1 39.1 117.2

150 157.7 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

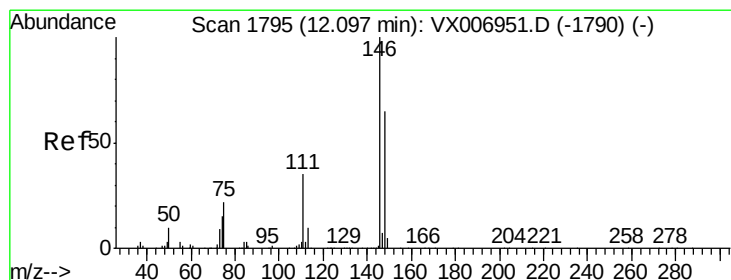
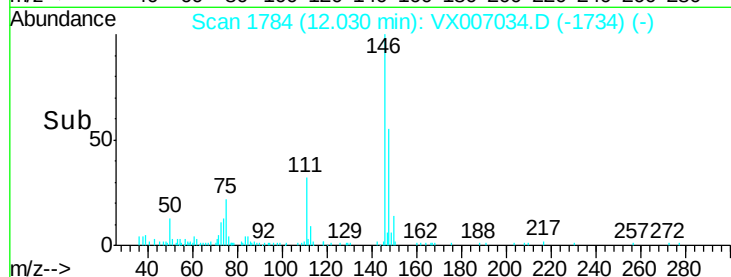
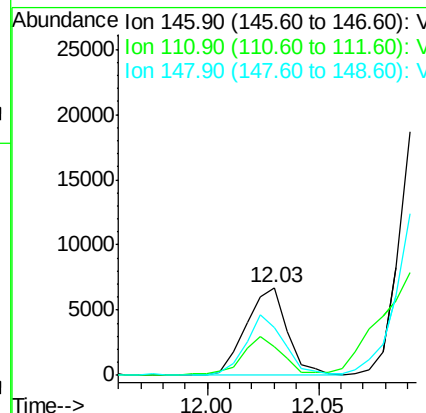
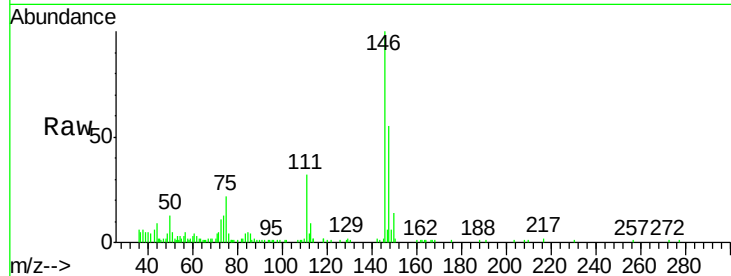




#87
 1,3-Dichlorobenzene
 Concen: 0.623 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX007034.D
 Acq: 14 Jan 2019 12:56

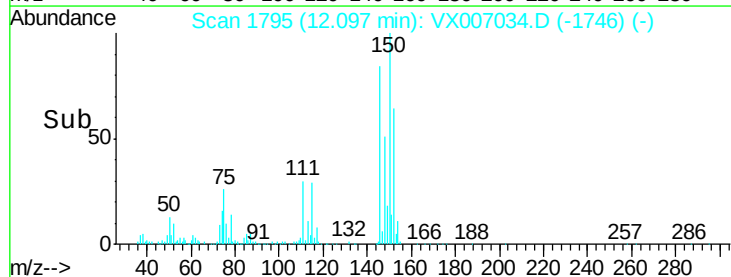
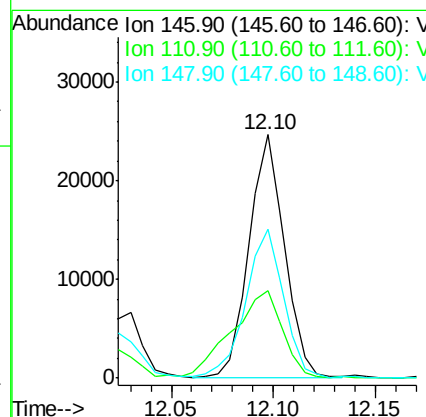
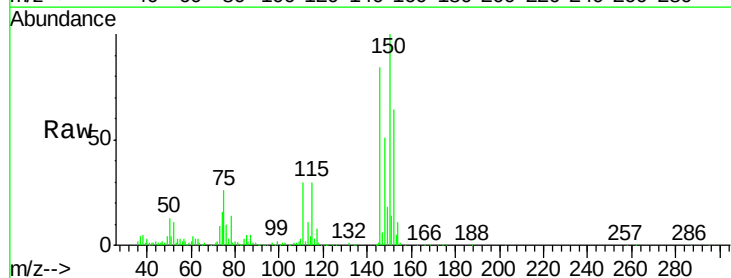
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-190110

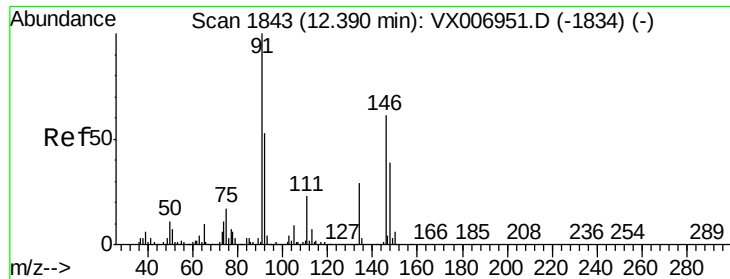
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.6	55.8
148	65.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 2.412 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007034.D
 Acq: 14 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.4	18.1	54.1
148	66.1	31.9	95.9

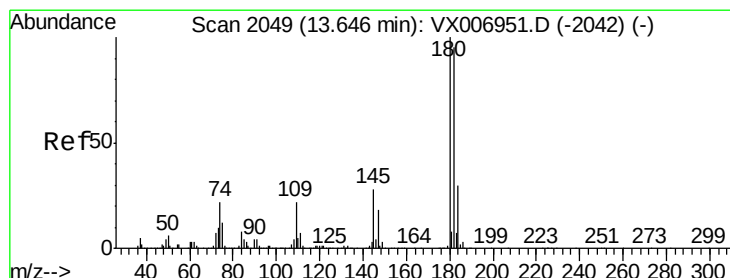
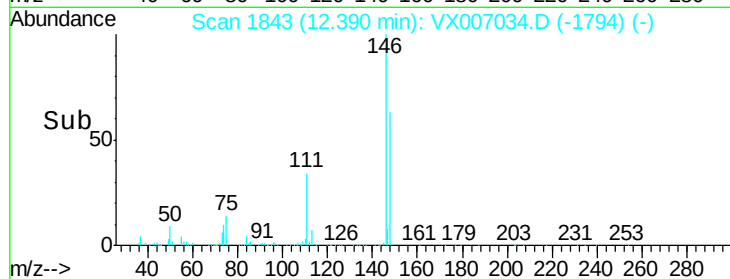
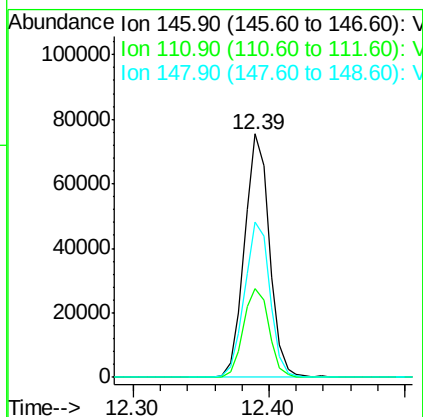
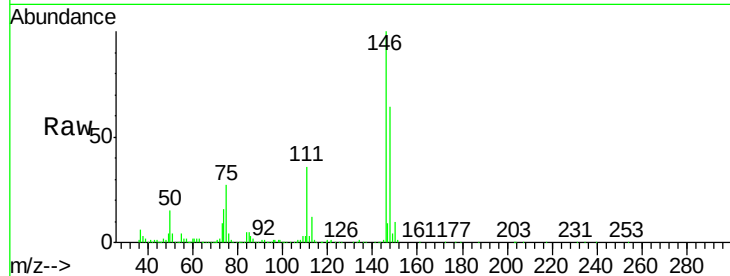




#91
 1,2-Dichlorobenzene
 Concen: 7.047 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007034.D
 Acq: 14 Jan 2019 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-190110

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.2
148	65.4	32.3	96.9



#93
 1,2,4-Trichlorobenzene
 Concen: 0.309 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007034.D
 Acq: 14 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.3	142.0
145	27.9	14.8	44.3

