

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011119\
 Data File : VX007022.D
 Acq On : 11 Jan 2019 19:03
 Operator : JC/SP
 Sample : K1133-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW358-190109

Quant Time: Jan 11 22:21:13 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	540517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	849170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	794616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	389647	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	293172	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	5.50	113	259143	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.71	98	1008176	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	364774	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

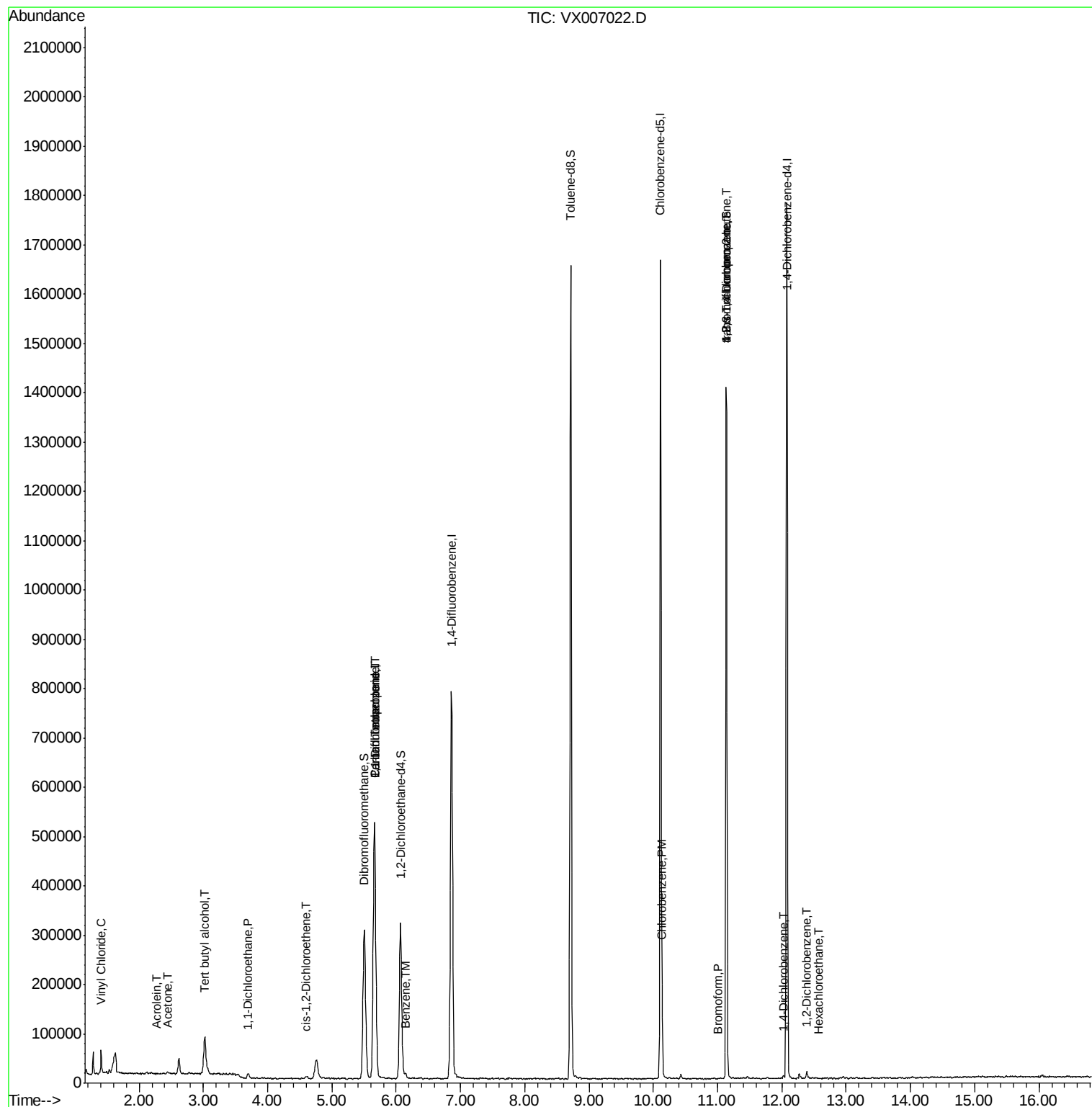
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	29296	5.271	ug/l	100
11) Tert butyl alcohol	3.03	59	57727	43.321	ug/l #	78
13) Acrolein	2.28	56	259	3.529	ug/l #	13
16) Acetone	2.45	43	4089	1.464	ug/l #	76
20) Methylene Chloride	2.85	84	563	Below Cal	#	52
24) 1,1-Dichloroethane	3.70	63	10045	1.122	ug/l #	97
27) cis-1,2-Dichloroethene	4.60	96	2734	0.448	ug/l	97
36) 1,1-Dichloropropene	5.66	75	36040	4.882	ug/l #	49
38) Carbon Tetrachloride	5.67	117	49311	6.639	ug/l #	15
40) Benzene	6.14	78	10775	0.478	ug/l	95
49) 1,4-Dioxane	7.76	88	819	Below Cal	#	73
65) Chlorobenzene	10.14	112	49096	2.833	ug/l	98
71) Bromoform	11.01	173	102	4.745	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	173605	21.986	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	173605	65.115	ug/l #	10
88) 1,4-Dichlorobenzene	12.02	146	1856	0.288	ug/l	89
90) Hexachloroethane	12.57	117	58	2.922	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	3234	0.239	ug/l	96

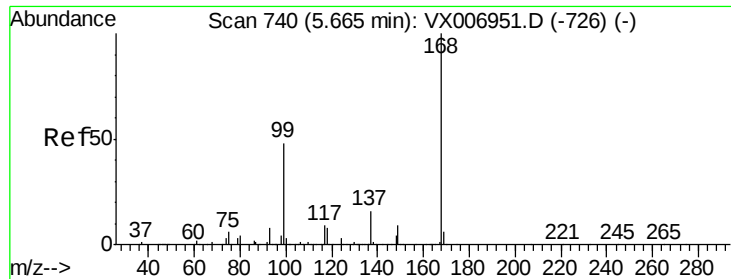
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007022.D

Acq: 11 Jan 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

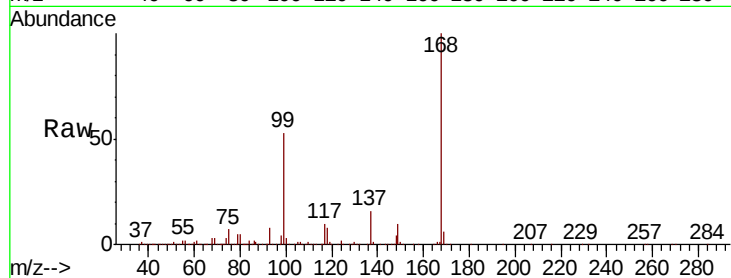
WP022RW358-190109

Tgt Ion:168 Resp: 540517

Ion Ratio Lower Upper

168 100

99 52.6 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

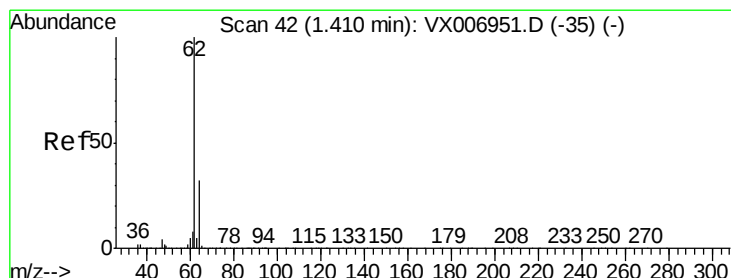
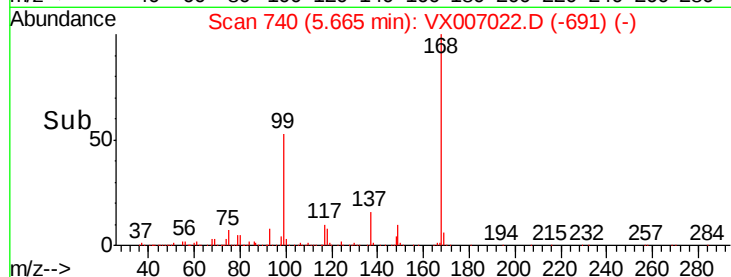
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 5.271 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007022.D

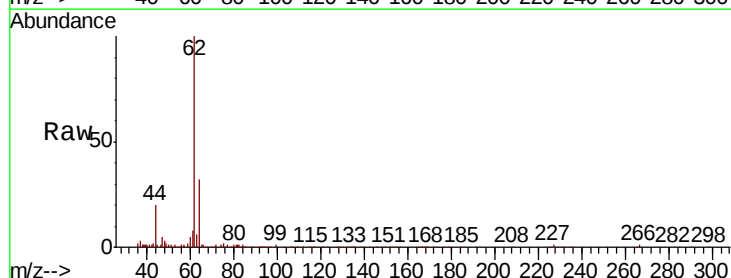
Acq: 11 Jan 2019 19:03

Tgt Ion: 62 Resp: 29296

Ion Ratio Lower Upper

62 100

64 31.6 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

30000

25000

20000

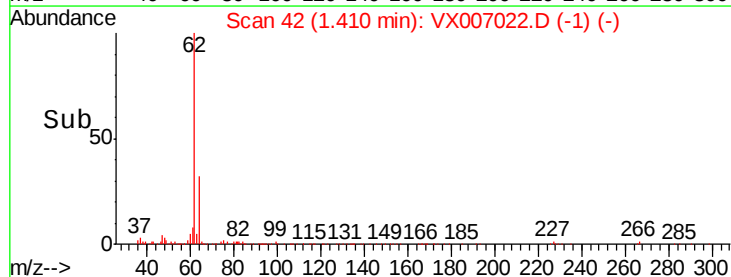
15000

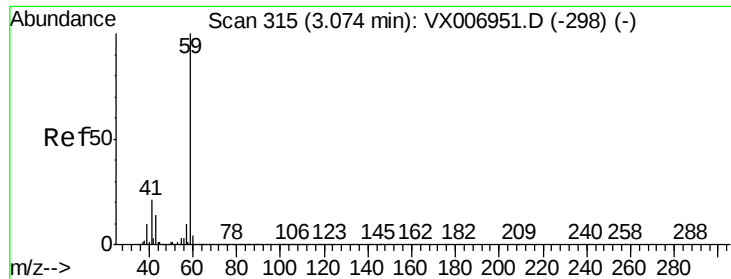
10000

5000

0

Time--> 1.35 1.40 1.45



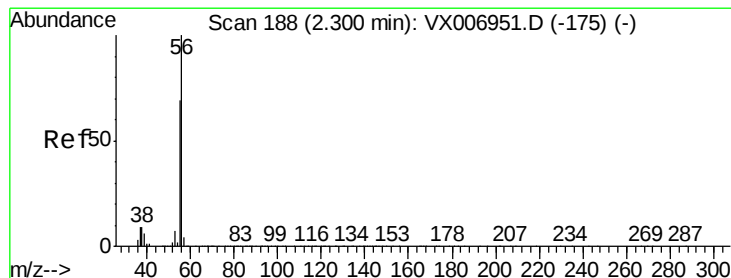
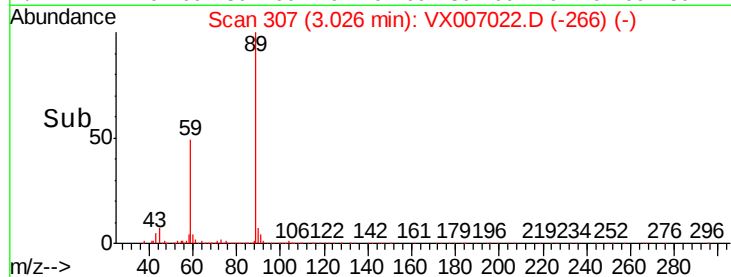
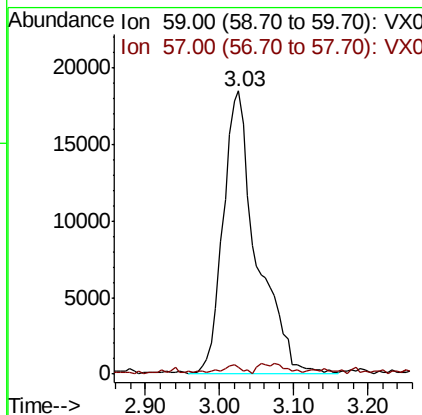
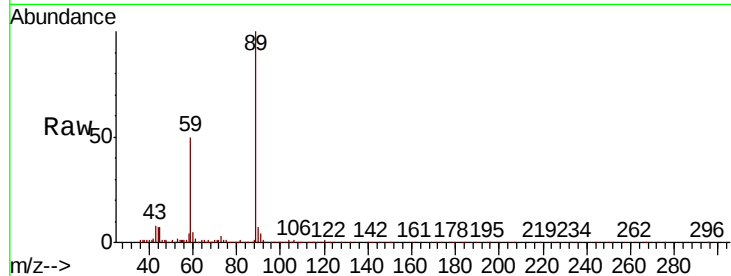


#11

Tert butyl alcohol
 Concen: 43.321 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX007022.D
 Acq: 11 Jan 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW358-190109

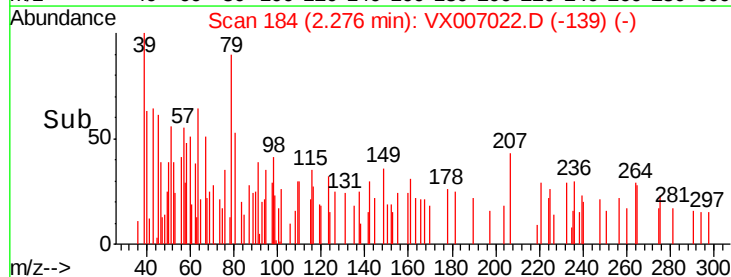
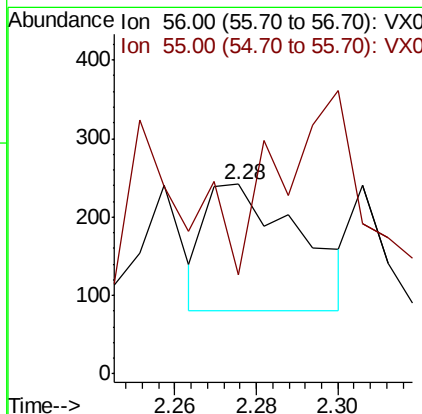
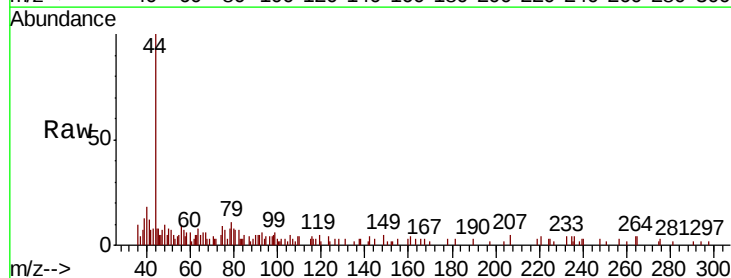
Tgt Ion: 59 Resp: 57727
 Ion Ratio Lower Upper
 59 100
 57 2.5 8.5 12.7#

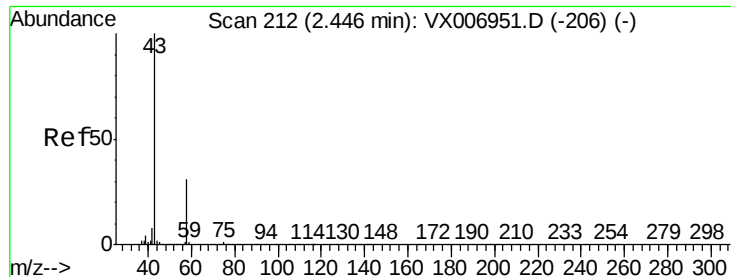


#13

Acrolein
 Concen: 3.529 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX007022.D
 Acq: 11 Jan 2019 19:03

Tgt Ion: 56 Resp: 259
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.4#

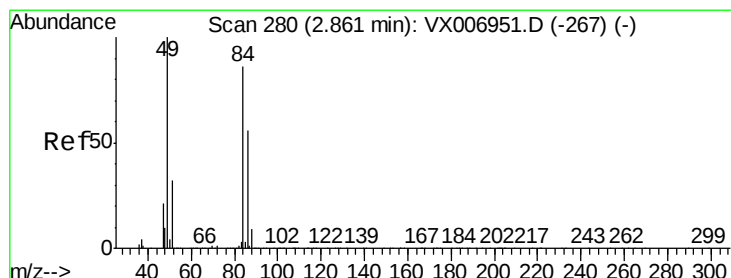
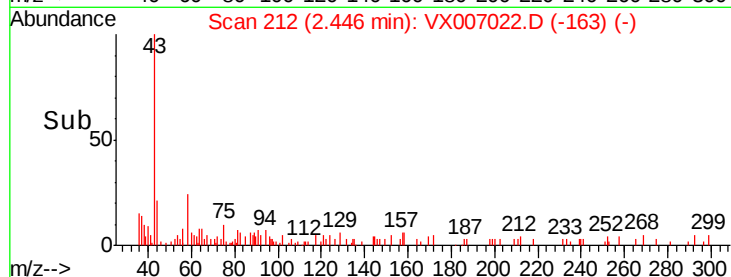
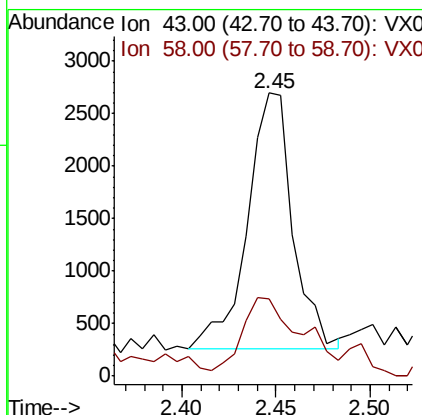
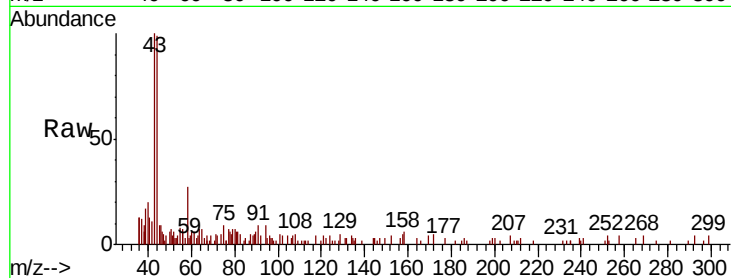




#16
Acetone
Concen: 1.464 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007022.D
Acq: 11 Jan 2019 19:03

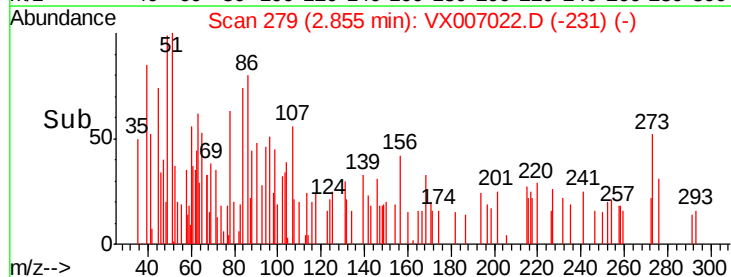
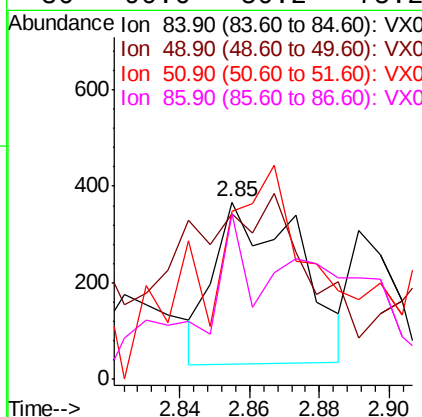
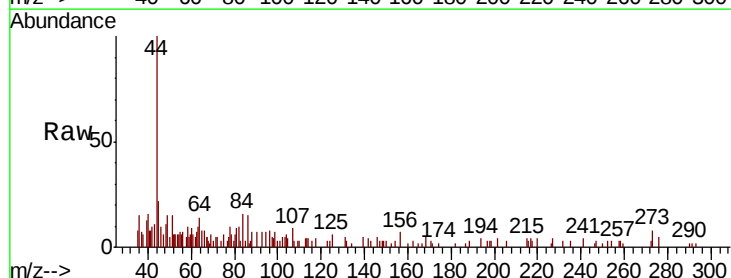
Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-190109

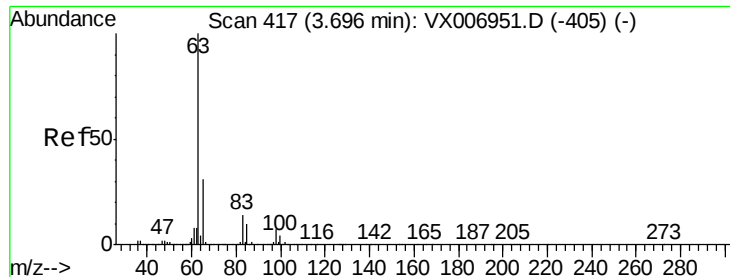
Tgt Ion: 43 Resp: 4089
Ion Ratio Lower Upper
43 100
58 18.2 25.0 37.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007022.D
Acq: 11 Jan 2019 19:03

Tgt Ion: 84 Resp: 563
Ion Ratio Lower Upper
84 100
49 58.4 91.8 137.6#
51 66.9 28.5 42.7#
86 90.6 50.2 75.2#





#24

1,1-Dichloroethane

Concen: 1.122 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

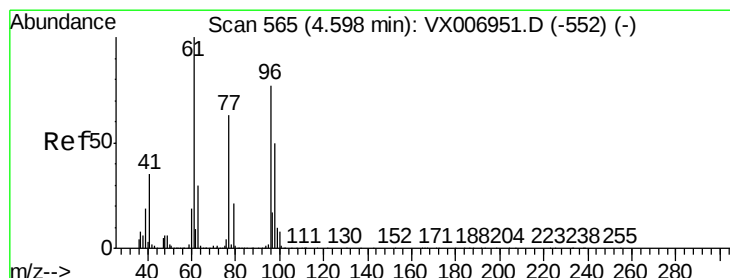
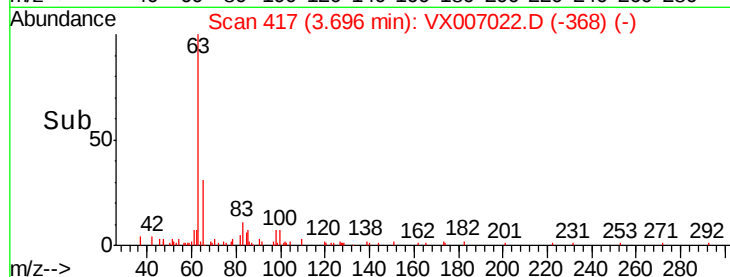
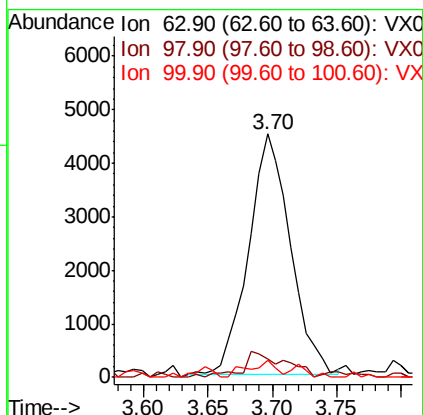
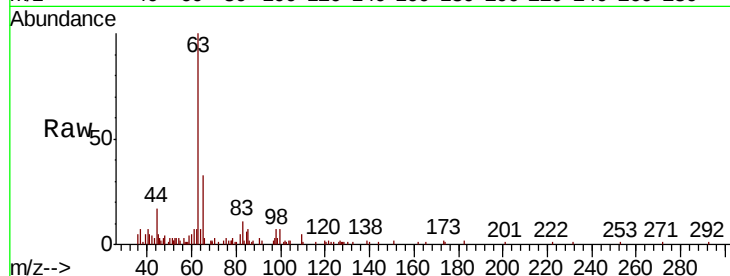
Instrument :

MSVOA_X

ClientSampleId :

WP022RW358-190109

Tgt Ion:	63	Resp:	10045
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.9	11.5
100	7.3	2.4	7.2#



#27

cis-1,2-Dichloroethene

Concen: 0.448 ug/l

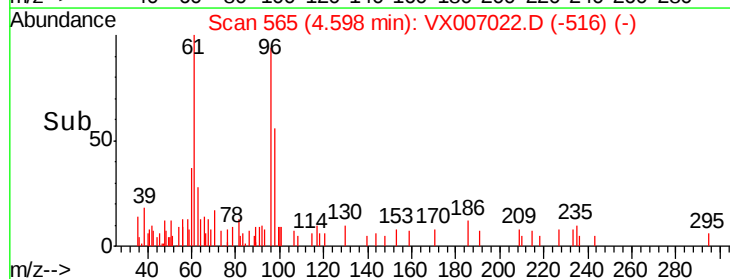
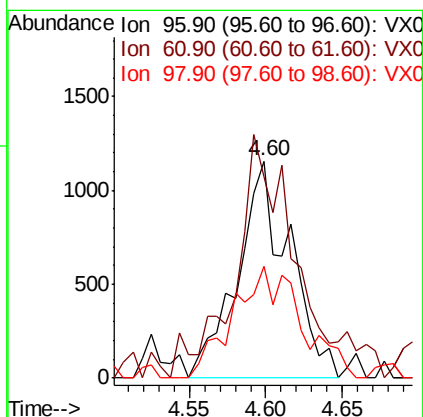
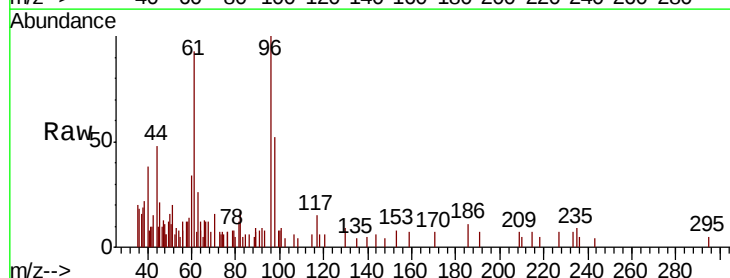
RT: 4.60 min Scan# 565

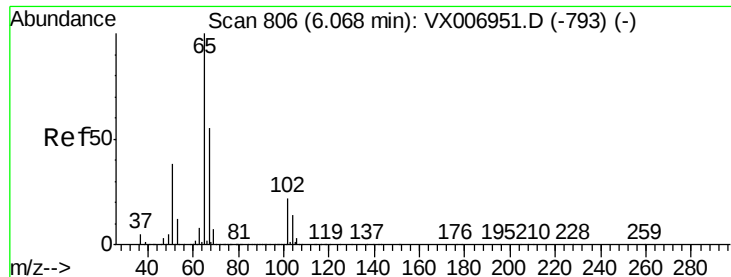
Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

Tgt Ion:	96	Resp:	2734
Ion	Ratio	Lower	Upper
96	100		
61	124.3	0.0	258.6
98	67.4	0.0	132.0





#33

1,2-Dichloroethane-d4

Concen: 51.899 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

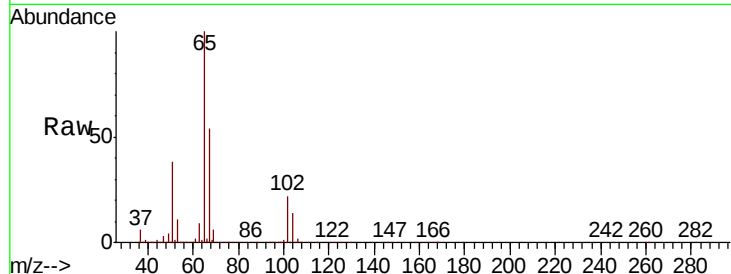
WP022RW358-190109

Tgt Ion: 65 Resp: 293172

Ion Ratio Lower Upper

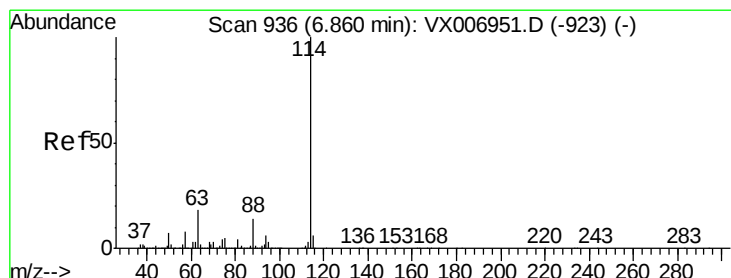
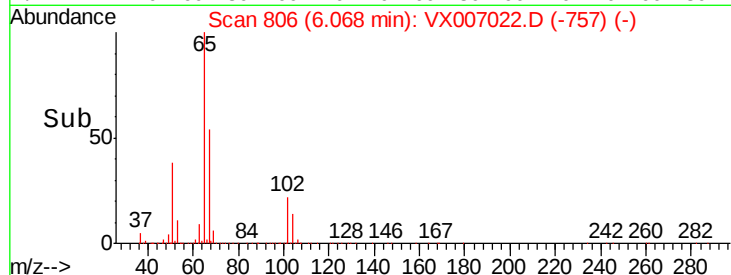
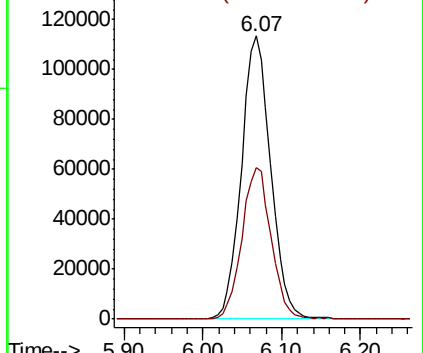
65 100

67 53.4 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: VX007022.D

Acq: 11 Jan 2019 19:03

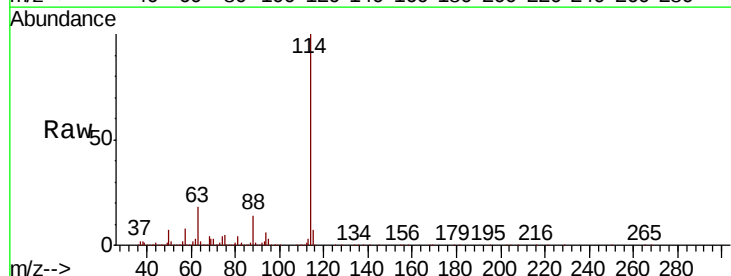
Tgt Ion: 114 Resp: 849170

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

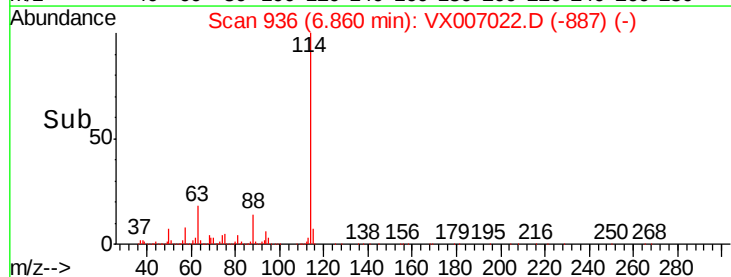
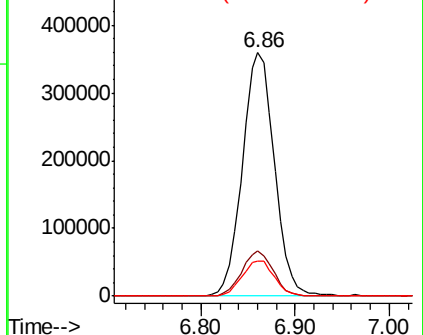
88 14.3 0.0 28.8

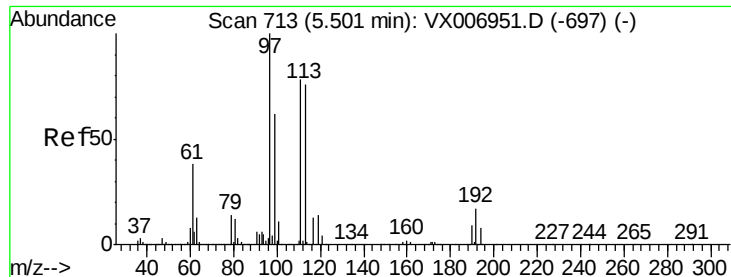


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.654 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

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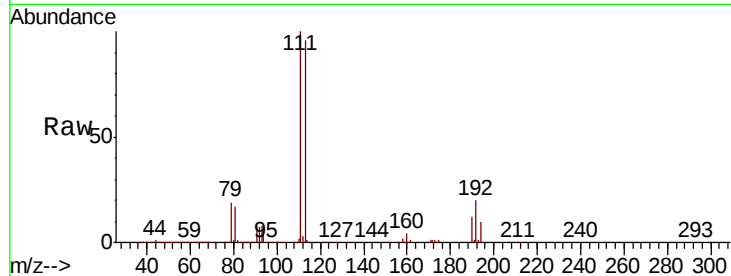
Tgt Ion:113 Resp: 259143

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

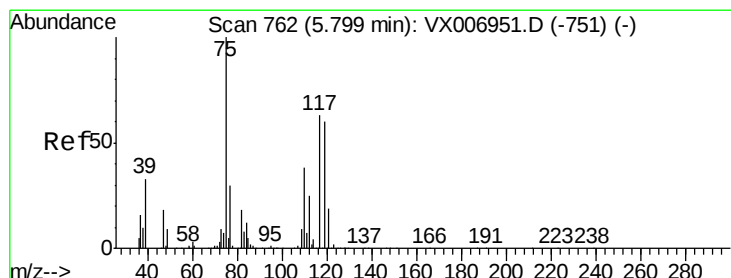
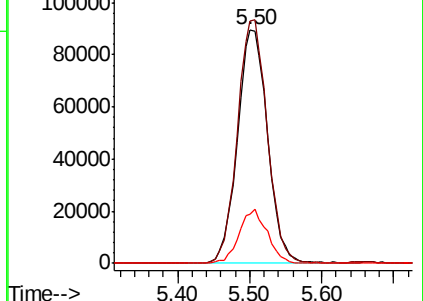
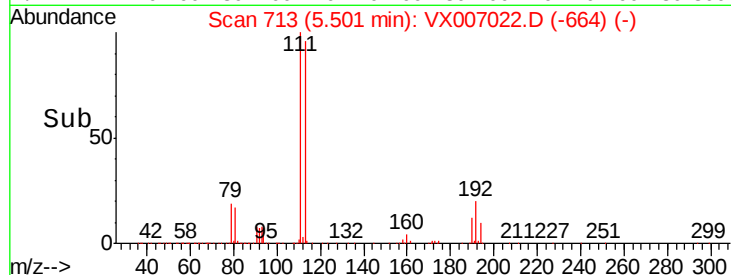
192 21.6 16.7 25.1



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: 4.882 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

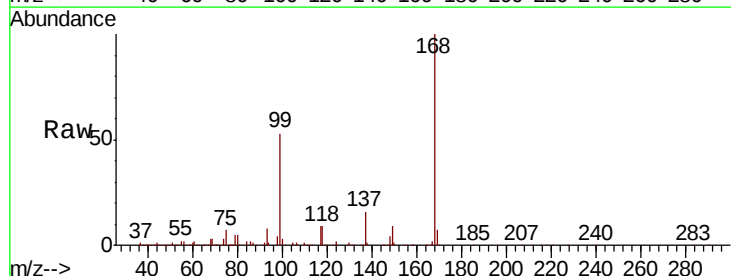
Tgt Ion: 75 Resp: 36040

Ion Ratio Lower Upper

75 100

110 10.7 20.2 60.5#

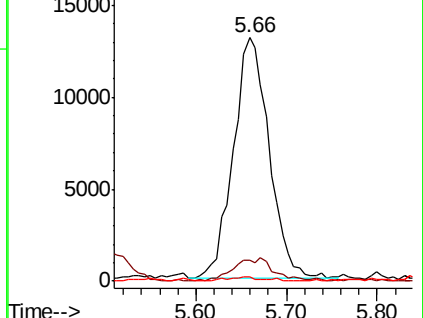
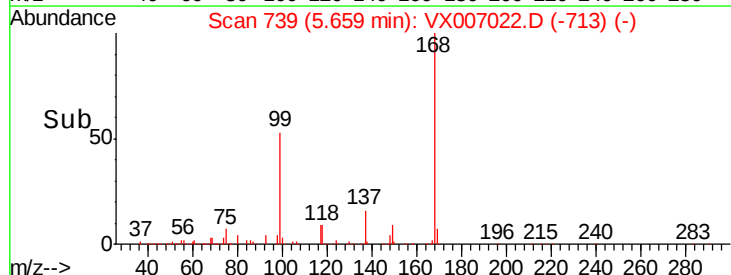
77 0.6 24.8 37.2#

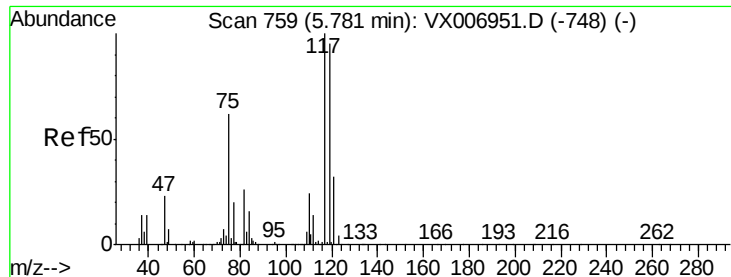


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.639 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

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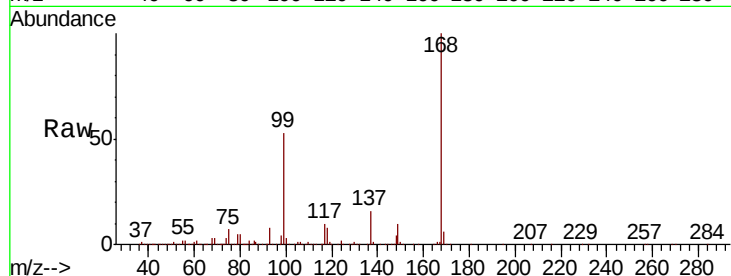
Tgt Ion:117 Resp: 49311

Ion Ratio Lower Upper

117 100

119 6.1 79.4 119.2#

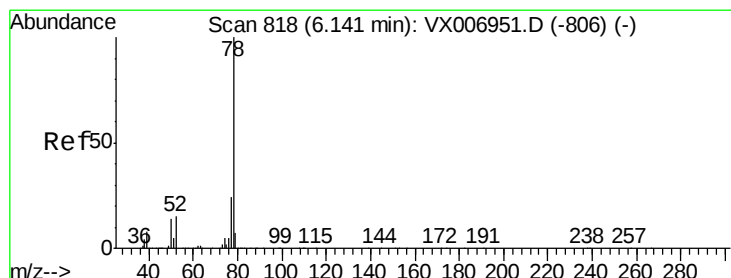
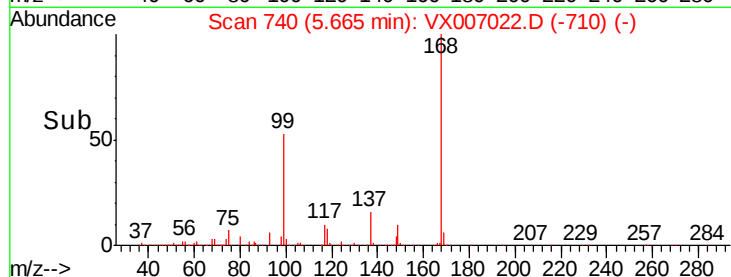
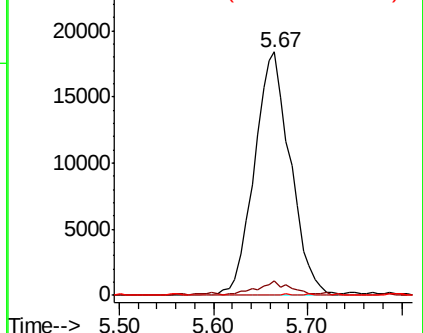
121 0.0 24.0 36.0#



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



#40

Benzene

Concen: 0.478 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007022.D

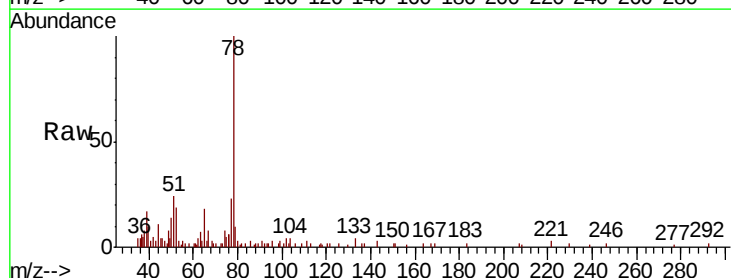
Acq: 11 Jan 2019 19:03

Tgt Ion: 78 Resp: 10775

Ion Ratio Lower Upper

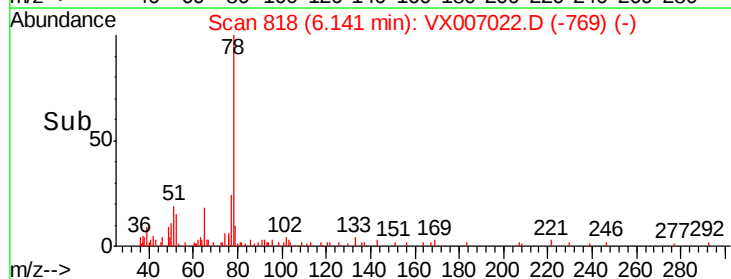
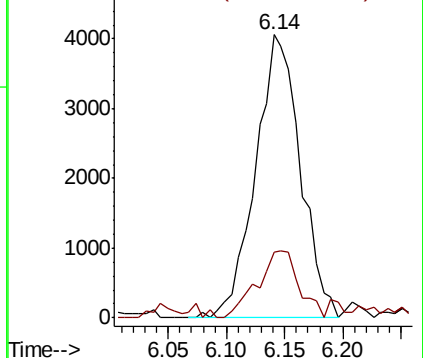
78 100

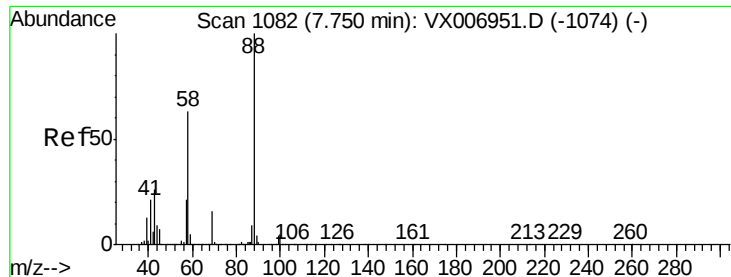
77 21.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

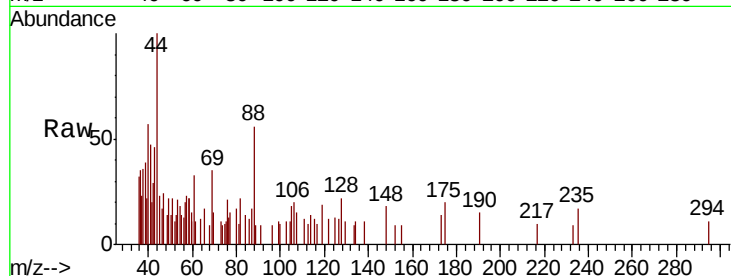




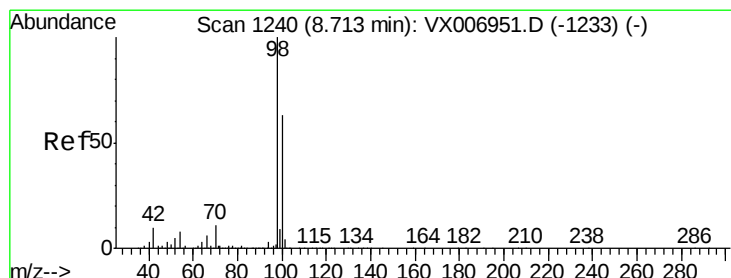
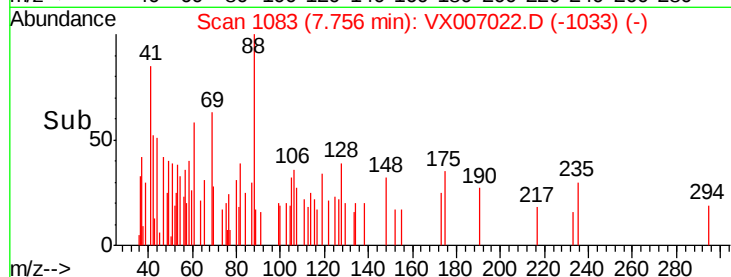
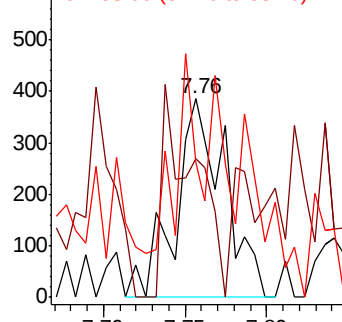
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007022.D
Acq: 11 Jan 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-190109

Tgt Ion: 88 Resp: 819
Ion Ratio Lower Upper
88 100
43 39.1 22.2 33.4#
58 40.7 51.0 76.4#

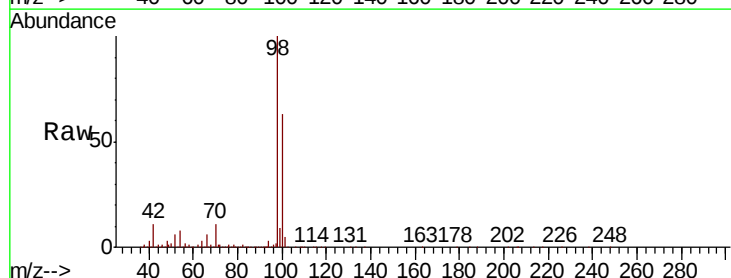


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

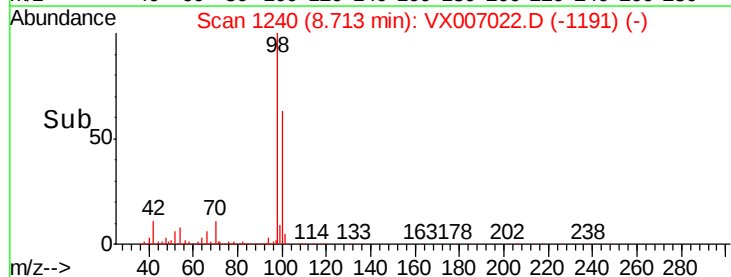
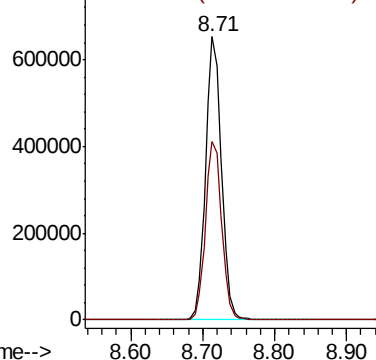


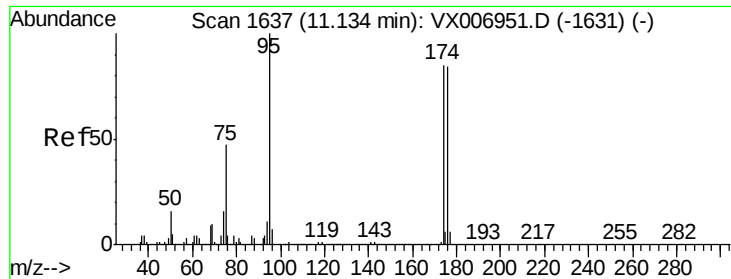
#50
Toluene-d8
Concen: 50.650 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007022.D
Acq: 11 Jan 2019 19:03

Tgt Ion: 98 Resp: 1008176
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



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





#62

4-Bromofluorobenzene

Concen: 52.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

WP022RW358-190109

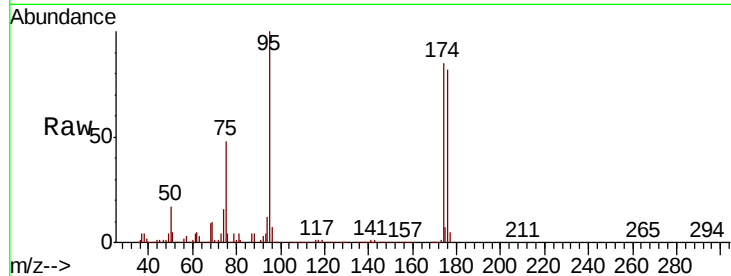
Tgt Ion: 95 Resp: 364774

Ion Ratio Lower Upper

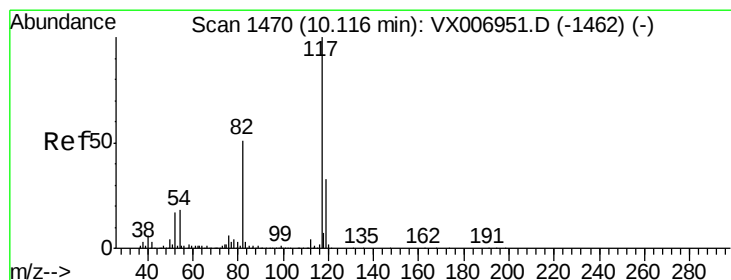
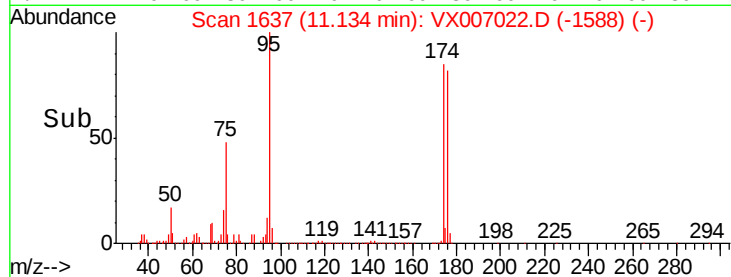
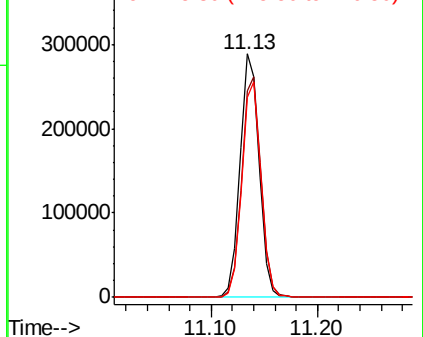
95 100

174 91.5 0.0 182.2

176 88.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

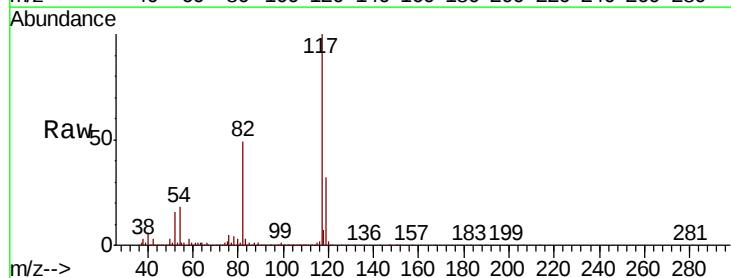
Tgt Ion: 117 Resp: 794616

Ion Ratio Lower Upper

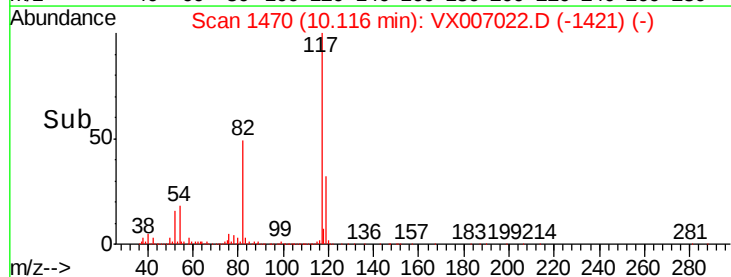
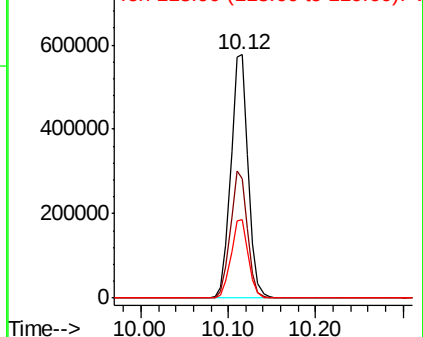
117 100

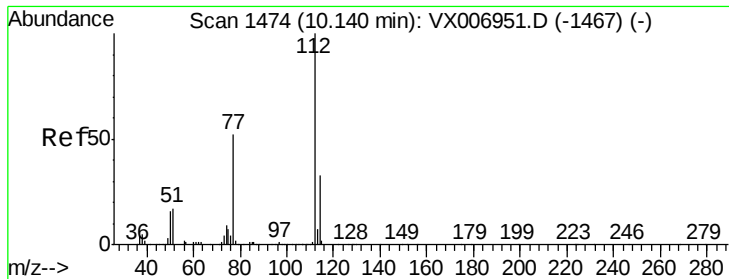
82 48.8 41.0 61.6

119 32.1 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

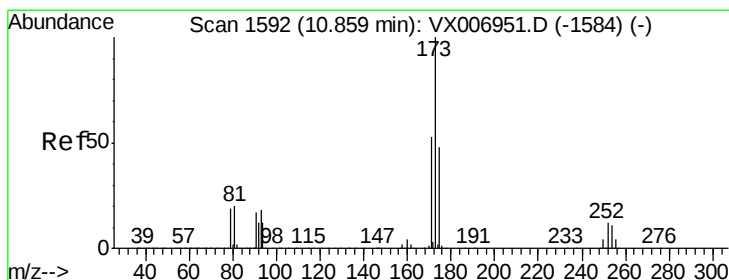
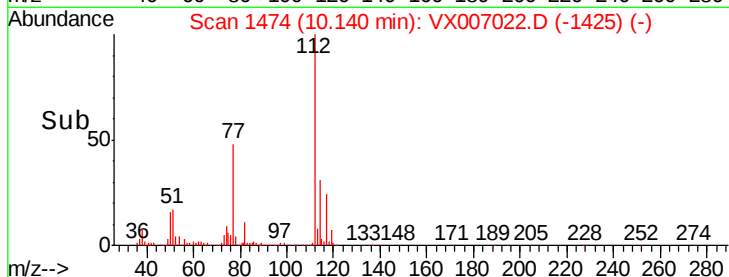
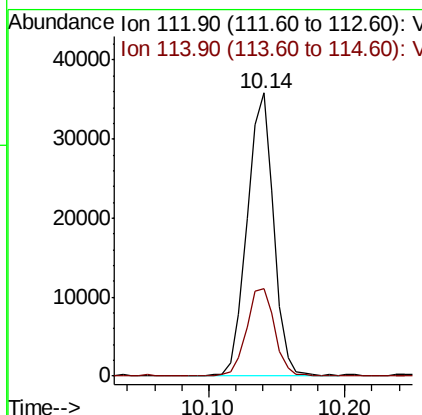
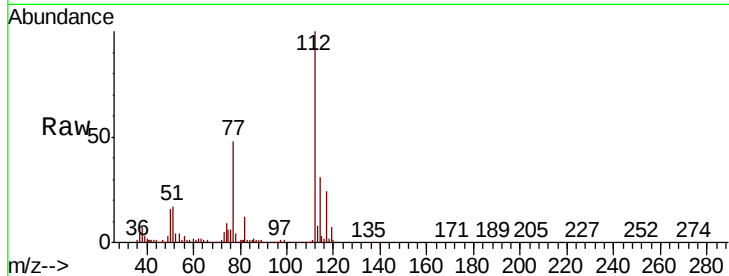




#65
Chlorobenzene
Concen: 2.833 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007022.D
Acq: 11 Jan 2019 19:03

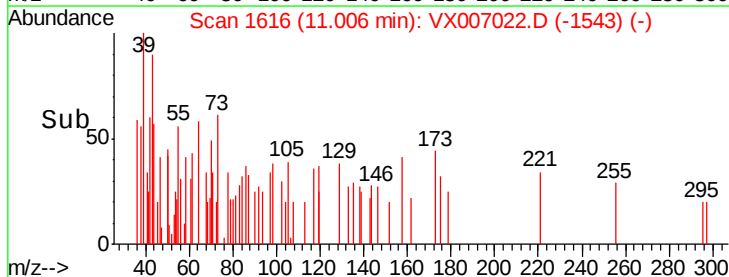
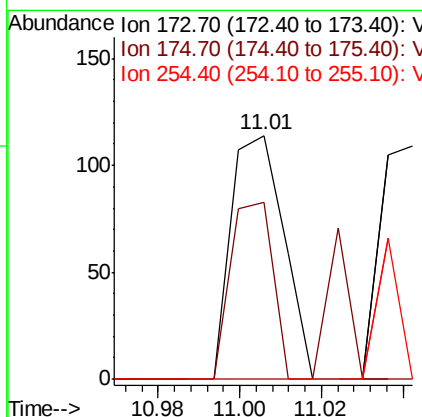
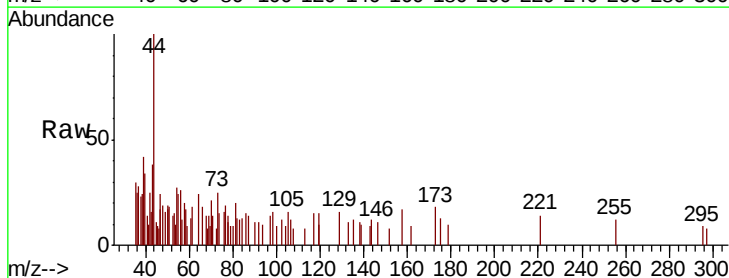
Instrument :
MSVOA_X
ClientSampleId :
WP022RW358-190109

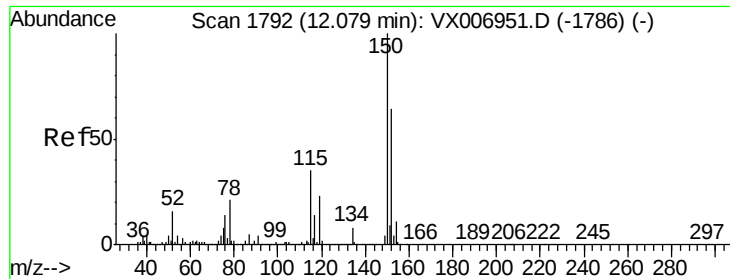
Tgt Ion:112 Resp: 49096
Ion Ratio Lower Upper
112 100
114 30.8 25.7 38.5



#71
Bromoform
Concen: 4.745 ug/l
RT: 11.01 min Scan# 1616
Delta R.T. 0.15 min
Lab File: VX007022.D
Acq: 11 Jan 2019 19:03

Tgt Ion:173 Resp: 102
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

WP022RW358-190109

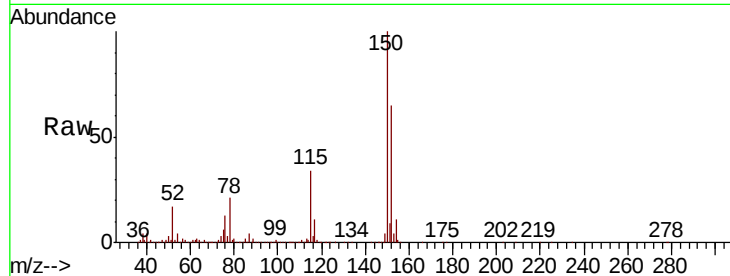
Tgt Ion: 152 Resp: 389647

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.2

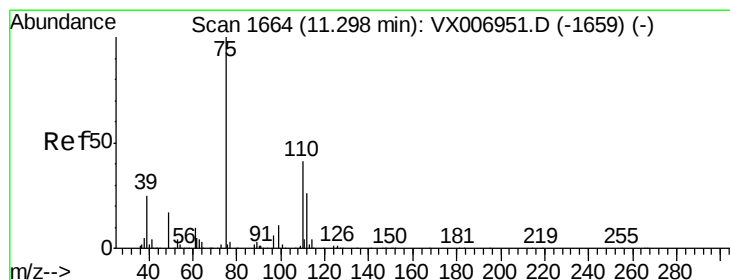
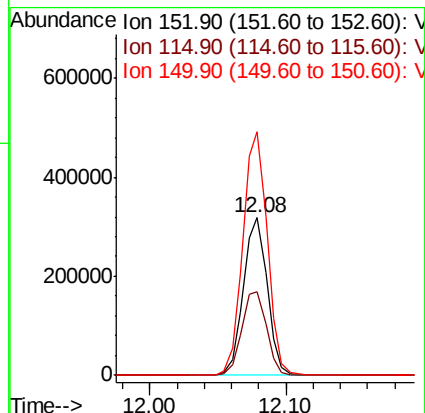
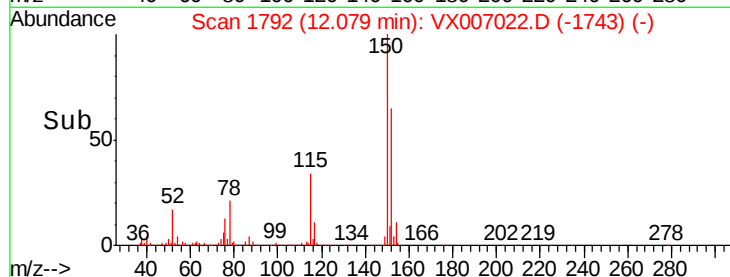
150 157.3 0.0 344.8



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: 21.986 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007022.D

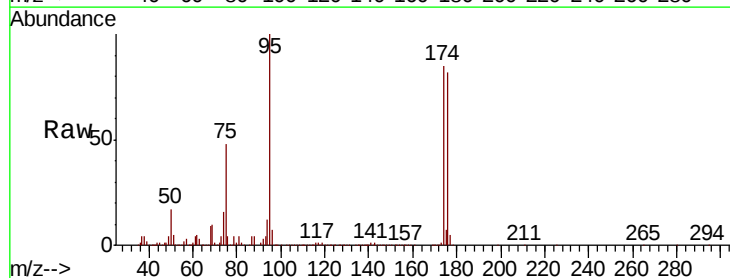
Acq: 11 Jan 2019 19:03

Tgt Ion: 75 Resp: 173605

Ion Ratio Lower Upper

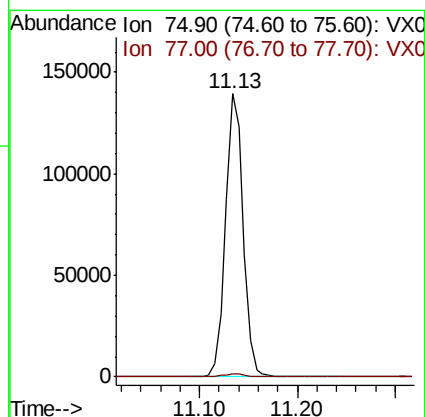
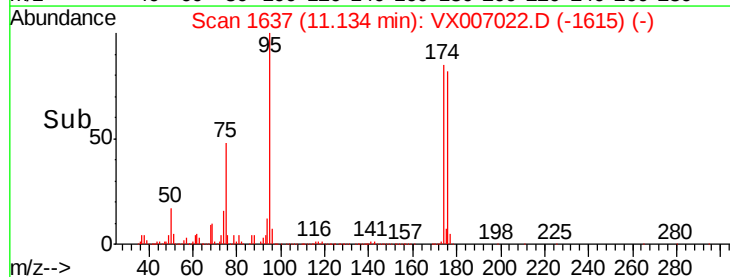
75 100

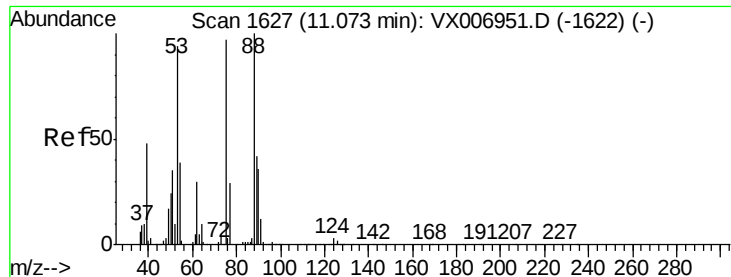
77 1.4 18.5 55.5#



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: 65.115 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

WP022RW358-190109

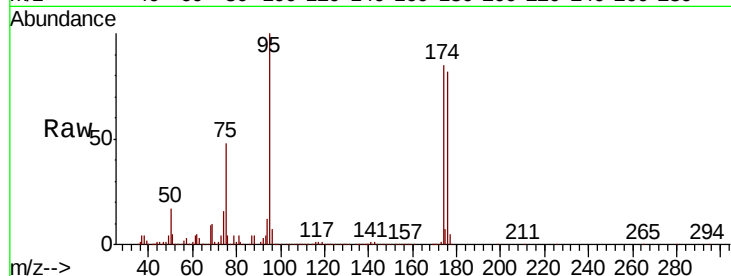
Tgt Ion: 75 Resp: 173605

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

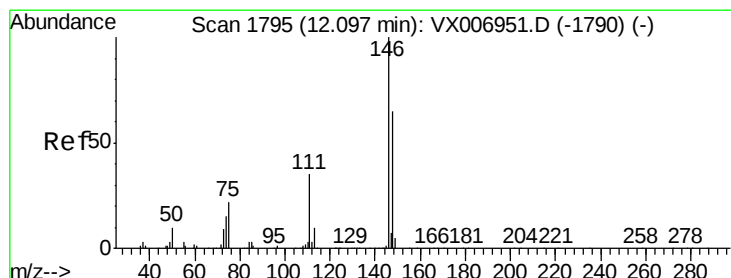
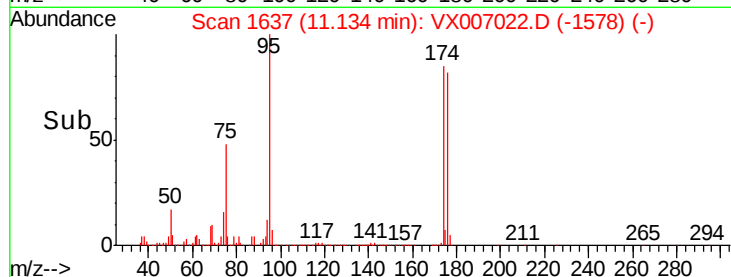
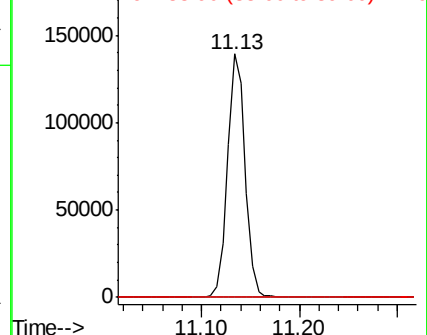
89 0.2 38.0 57.0#



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: 0.288 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

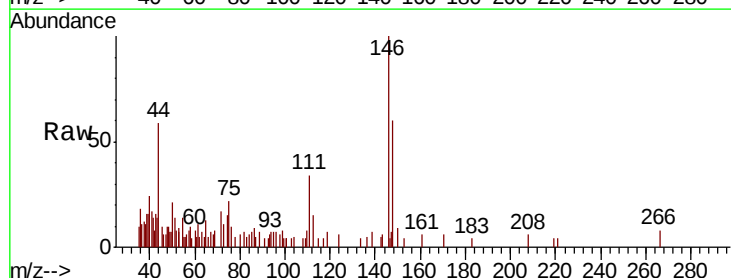
Tgt Ion: 146 Resp: 1856

Ion Ratio Lower Upper

146 100

111 42.7 18.1 54.1

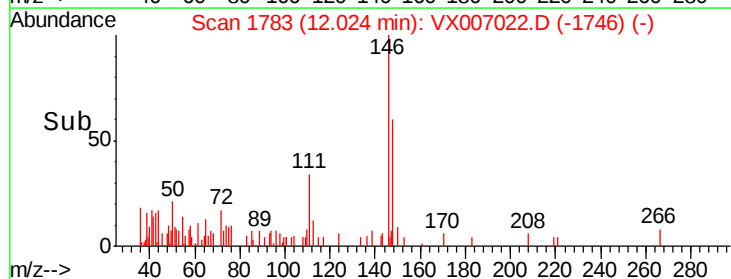
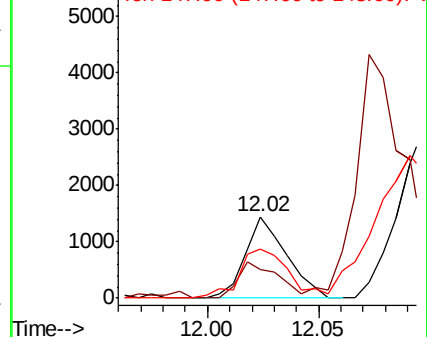
148 72.5 31.9 95.9

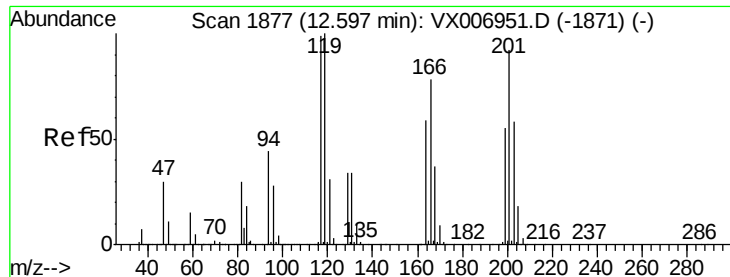


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.922 ug/l

RT: 12.57 min Scan# 1872

Delta R.T. -0.03 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

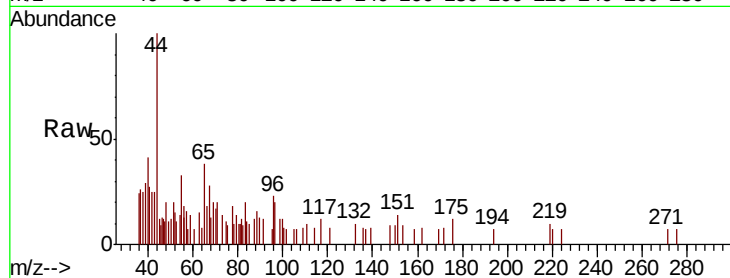
WP022RW358-190109

Tgt Ion:117 Resp: 58

Ion Ratio Lower Upper

117 100

201 89.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

150

100

50

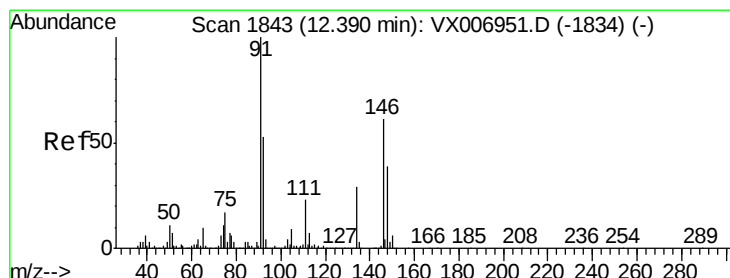
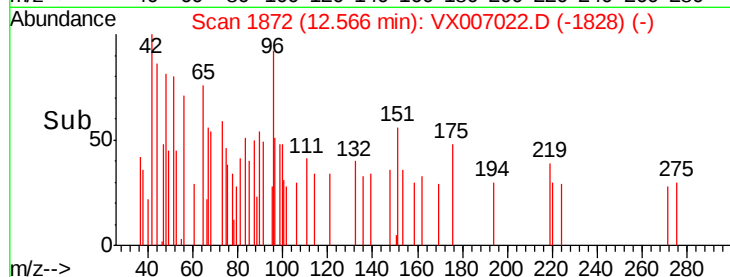
0

12.56

12.57

12.58

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.239 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007022.D

Acq: 11 Jan 2019 19:03

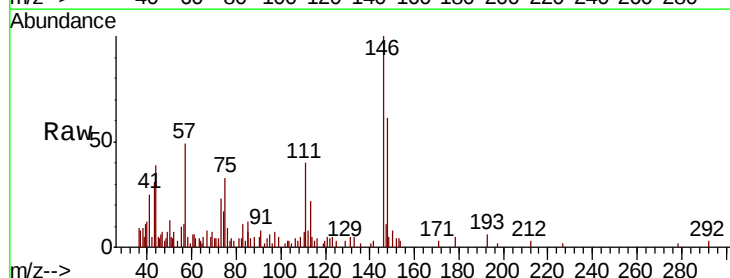
Tgt Ion:146 Resp: 3234

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.2

148 68.9 32.3 96.9



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

3000

2000

1000

0

12.35

12.39

12.45

Time-->

